

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022720\
 Data File : VN060263.D
 Acq On : 27 Feb 2020 11:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:31:11 PM

Quant Time: Feb 27 12:26:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 12:09:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	222921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	367086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	160494	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	58648	21.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.18%	
35) Dibromofluoromethane	7.57	113	38953	18.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.66%	
50) Toluene-d8	10.08	98	171736	19.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.38%	
62) 4-Bromofluorobenzene	12.40	95	62976	19.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	39236	17.986	ug/l	99
3) Chloromethane	2.04	50	64750	23.366	ug/l	99
4) Vinyl Chloride	2.16	62	57516	19.156	ug/l	98
5) Bromomethane	2.55	94	26455	15.144	ug/l	97
6) Chloroethane	2.69	64	30865	19.973	ug/l	100
7) Trichlorofluoromethane	3.00	101	72755	18.699	ug/l	98
8) Diethyl Ether	3.39	74	27511	20.840	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41300	19.037	ug/l	99
10) Methyl Iodide	3.93	142	34129	13.669	ug/l	99
11) Tert butyl alcohol	4.73	59	41386	101.261	ug/l	100
12) 1,1-Dichloroethene	3.72	96	41263	19.442	ug/l	97
13) Acrolein	3.58	56	41878	103.351	ug/l	99
14) Allyl chloride	4.30	41	69321	21.208	ug/l	93
15) Acrylonitrile	4.94	53	109601	108.486	ug/l	99
16) Acetone	3.78	43	85310	75.831	ug/l	99
17) Carbon Disulfide	4.03	76	112257	17.858	ug/l	100
18) Methyl Acetate	4.29	43	56375	24.281	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	146953	20.439	ug/l	100
20) Methylene Chloride	4.52	84	47239	19.876	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	45247	19.673	ug/l	98
22) Diisopropyl ether	5.92	45	152063	21.741	ug/l	97
23) Vinyl Acetate	5.86	43	613488	105.507	ug/l	99
24) 1,1-Dichloroethane	5.82	63	85602	20.480	ug/l	99
25) 2-Butanone	6.80	43	141981	96.400	ug/l	100
26) 2,2-Dichloropropane	6.79	77	78621	20.001	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	53671	19.887	ug/l	95
28) Bromochloromethane	7.17	49	35601	21.770	ug/l	100
29) Tetrahydrofuran	7.18	42	99038	106.522	ug/l	100
30) Chloroform	7.35	83	84929	19.615	ug/l	98
31) Cyclohexane	7.63	56	77148	19.884	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	75262	19.128	ug/l	100
36) 1,1-Dichloropropene	7.77	75	62602	18.477	ug/l	98
37) Ethyl Acetate	6.90	43	63609	20.445	ug/l	98
38) Carbon Tetrachloride	7.75	117	63711	17.478	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	74567	17.815	ug/l	98
40) Benzene	8.02	78	188171	18.653	ug/l	99
41) Methacrylonitrile	7.15	41	29728m	22.535	ug/l	
42) 1,2-Dichloroethane	8.10	62	68979	19.438	ug/l	99
43) Isopropyl Acetate	8.14	43	110618	20.723	ug/l #	93
44) Trichloroethene	8.82	130	51494	18.484	ug/l	99
45) 1,2-Dichloropropane	9.10	63	51093	20.279	ug/l	100
46) Dibromomethane	9.19	93	31786	18.133	ug/l	98
47) Bromodichloromethane	9.39	83	66150	18.507	ug/l	98
48) Methyl methacrylate	9.18	41	47187	19.718	ug/l	97
49) 1,4-Dioxane	9.18	88	13611	351.153	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	311325	101.270	ug/l	99
52) Toluene	10.14	92	117187	18.198	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	77964	19.216	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	83457	19.516	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	47361	18.844	ug/l	98
56) Ethyl methacrylate	10.42	69	68120	19.007	ug/l	98
57) 1,3-Dichloropropane	10.70	76	79263	18.999	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	174229	102.759	ug/l	100
59) 2-Hexanone	10.74	43	226181	96.723	ug/l	99
60) Dibromochloromethane	10.89	129	48031	16.889	ug/l	99
61) 1,2-Dibromoethane	10.99	107	46949	17.958	ug/l	97
64) Tetrachloroethene	10.62	164	53697	20.719	ug/l	98
65) Chlorobenzene	11.43	112	123805	18.218	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	46850	18.264	ug/l	100
67) Ethyl Benzene	11.50	91	227789	18.519	ug/l	100
68) m/p-Xylenes	11.62	106	171192	37.175	ug/l	99
69) o-Xylene	11.94	106	82746	18.665	ug/l	99
70) Styrene	11.96	104	132287	18.478	ug/l	99
71) Bromoform	12.12	173	33176	16.286	ug/l #	99
73) Isopropylbenzene	12.25	105	223395	18.609	ug/l	100
74) N-amyl acetate	12.06	43	94985	21.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	62095	18.185	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	67271m	21.775	ug/l	
77) Bromobenzene	12.52	156	53800	18.152	ug/l	99
78) n-propylbenzene	12.59	91	260626	18.988	ug/l	100
79) 2-Chlorotoluene	12.67	91	152718	18.927	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	188627	18.875	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	23333	18.495	ug/l	90
82) 4-Chlorotoluene	12.77	91	156005	18.846	ug/l	100
83) tert-Butylbenzene	12.99	119	160975	18.189	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	189755	19.234	ug/l	99
85) sec-Butylbenzene	13.17	105	217370	18.594	ug/l	100
86) p-Isopropyltoluene	13.29	119	195967	18.490	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	95874	18.223	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	97375	18.525	ug/l	100
89) n-Butylbenzene	13.61	91	179023	19.121	ug/l	100
90) Hexachloroethane	13.87	117	29123	15.186	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94313	18.342	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13794	17.377	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	62267	20.424	ug/l	99
94) Hexachlorobutadiene	15.01	225	29719	17.011	ug/l	99
95) Naphthalene	15.13	128	185203	22.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	59500	19.682	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

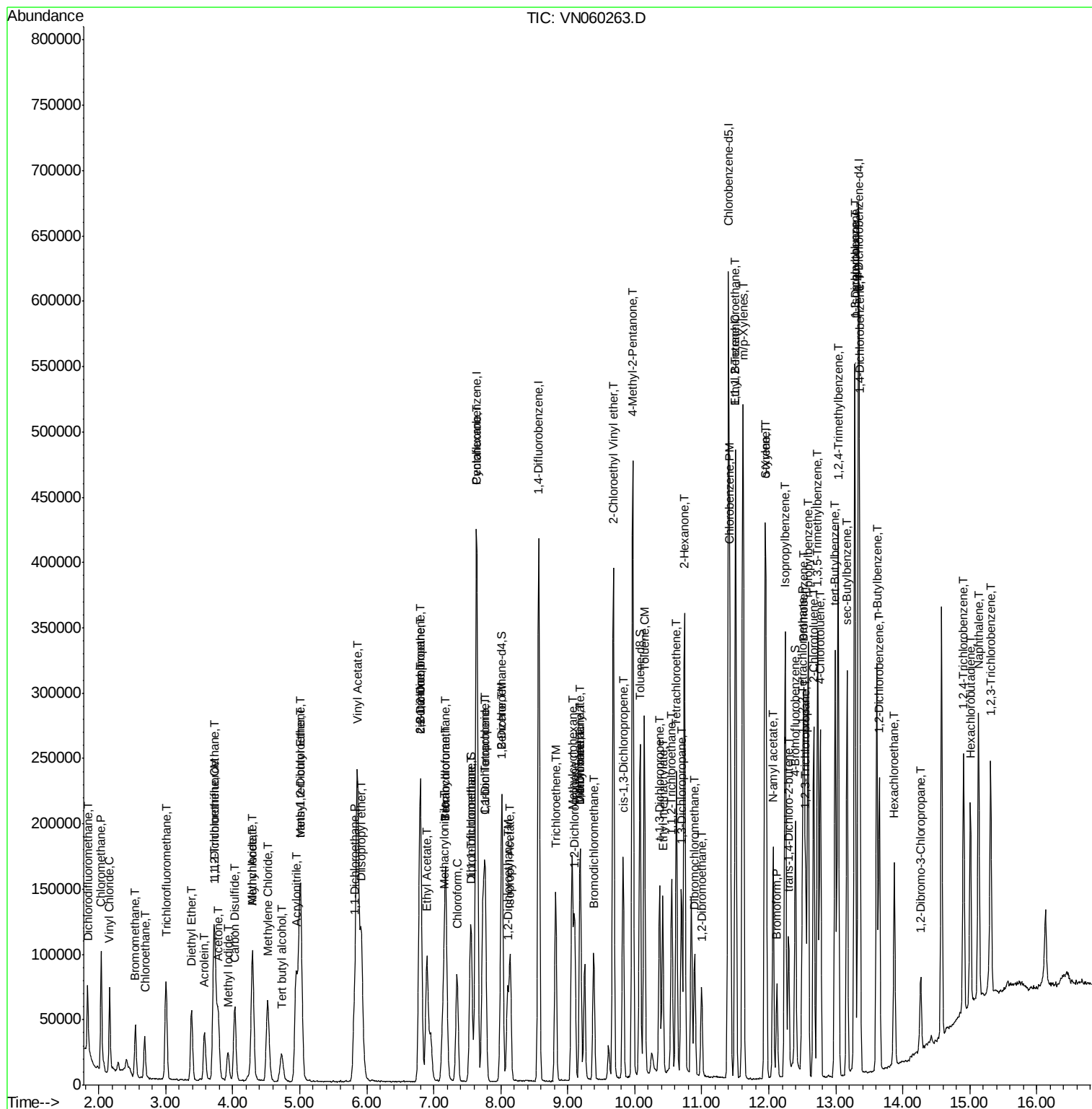
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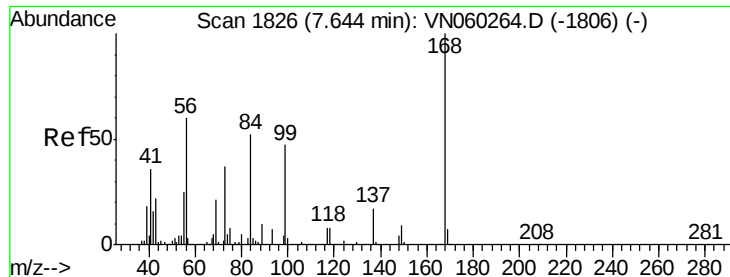
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 222921

Ion Ratio Lower Upper

168 100

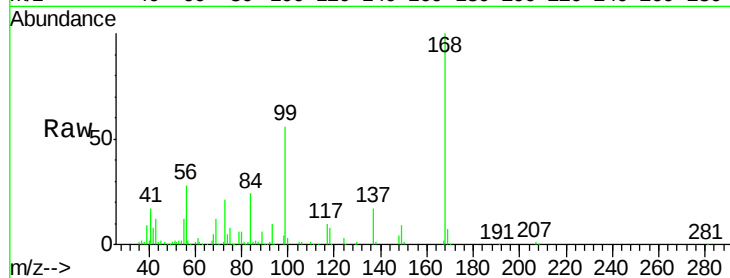
99 56.3 44.7 67.1

Manual Integrations

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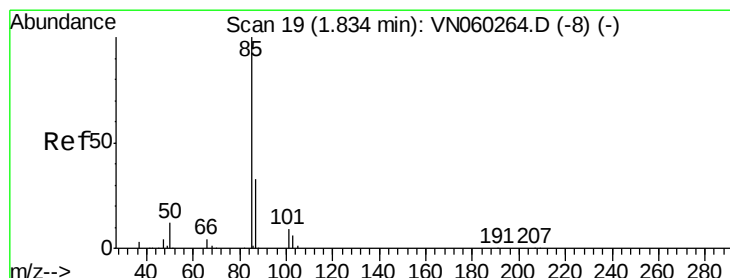
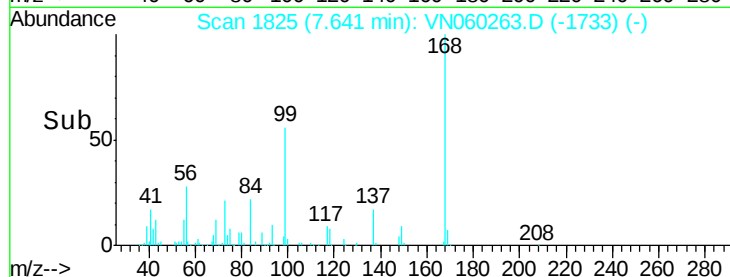
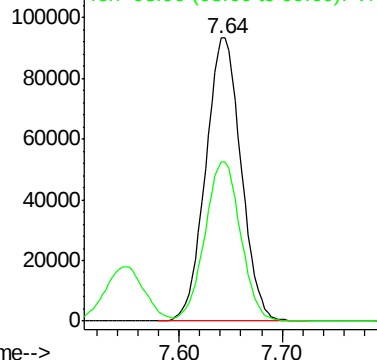
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.986 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060263.D

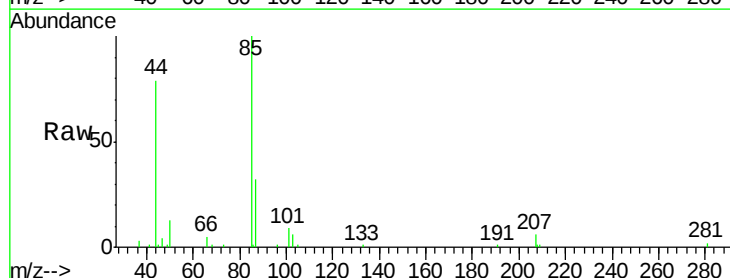
Acq: 27 Feb 2020 11:06

Tgt Ion: 85 Resp: 39236

Ion Ratio Lower Upper

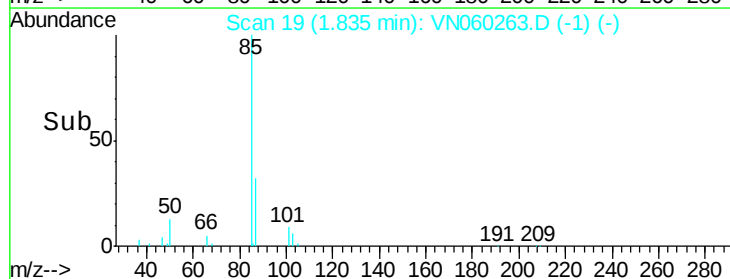
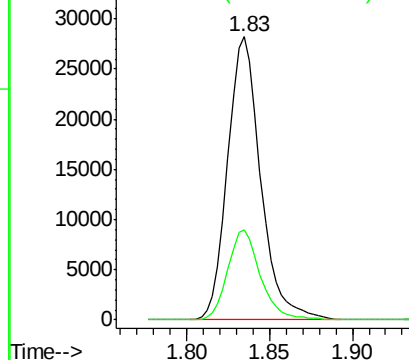
85 100

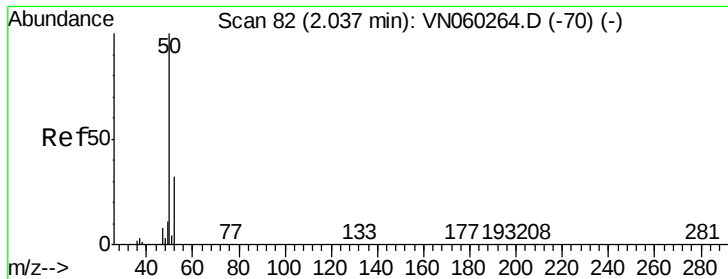
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.366 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 64750

Ion Ratio Lower Upper

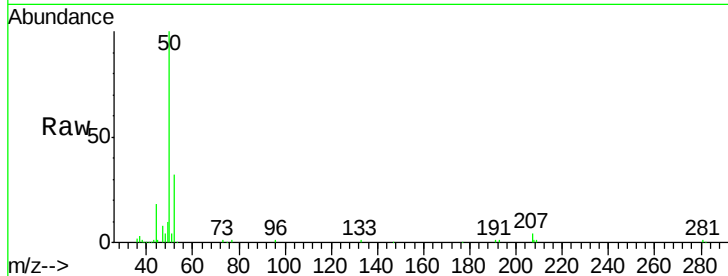
50 100

52 32.4 25.6 38.4

Manual Integrations
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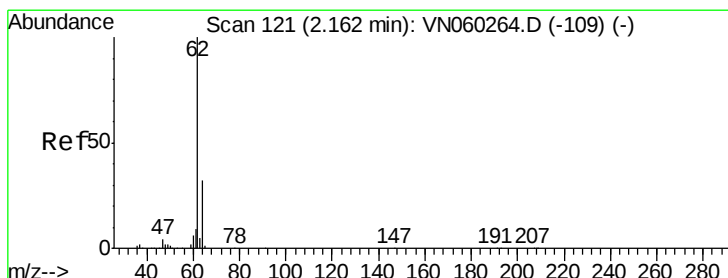
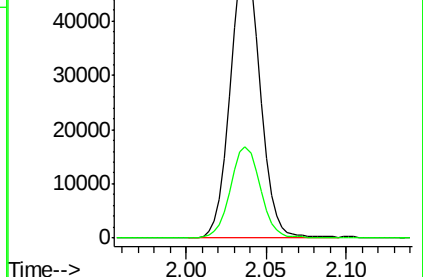
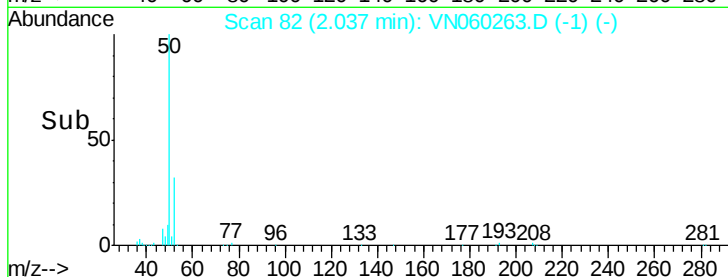


Abundance Ion 49.90 (49.60 to 50.60): VN060263.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN060263.D (-1) (-)

2.04

Time-->



#4

Vinyl Chloride

Concen: 19.156 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060263.D

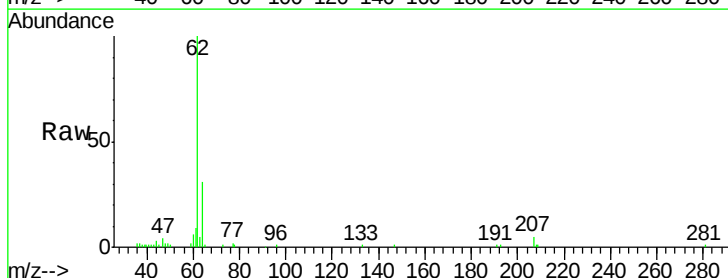
Acq: 27 Feb 2020 11:06

Tgt Ion: 62 Resp: 57516

Ion Ratio Lower Upper

62 100

64 30.9 25.5 38.3

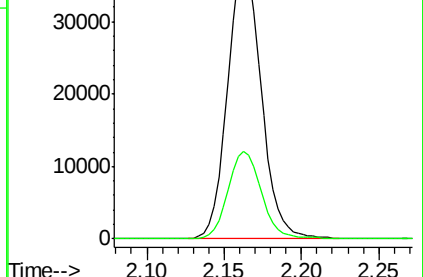
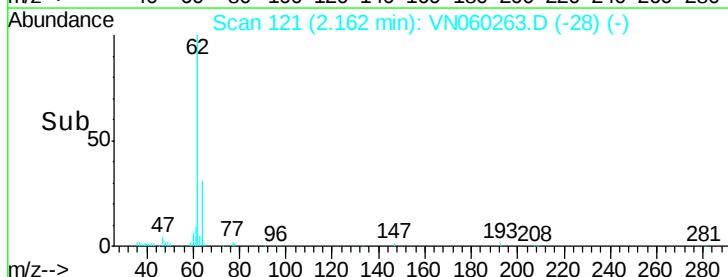


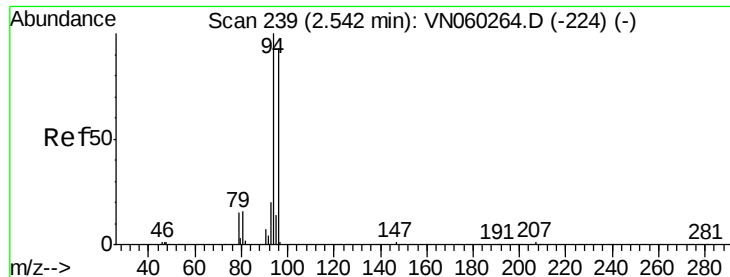
Abundance Ion 61.90 (61.60 to 62.60): VN060263.D (-28) (-)

Ion 63.90 (63.60 to 64.60): VN060263.D (-28) (-)

2.16

Time-->





#5

Bromomethane

Concen: 15.144 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

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Tot Ion: 94 Resp: 26455

Ion Ratio Lower Upper

94 100

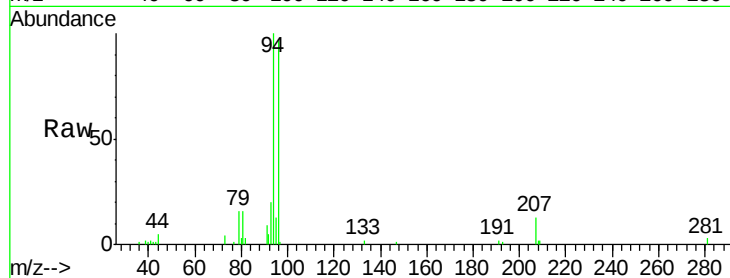
96 95.6 74.3 111.5

Manual Integrations

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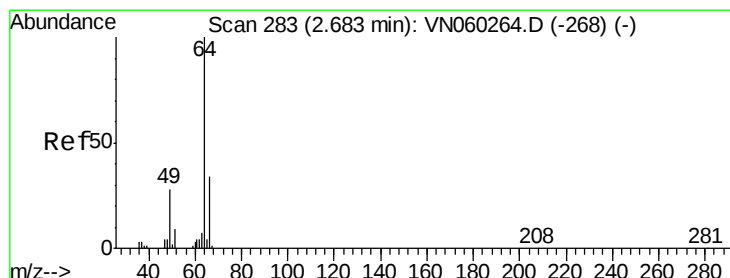
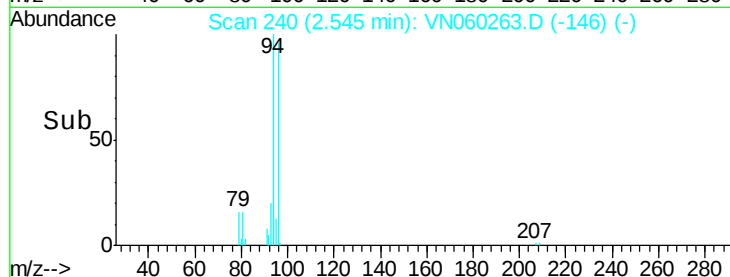
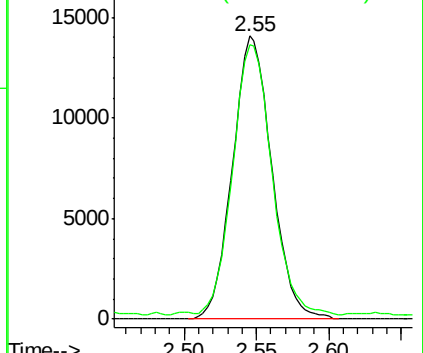
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.973 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060263.D

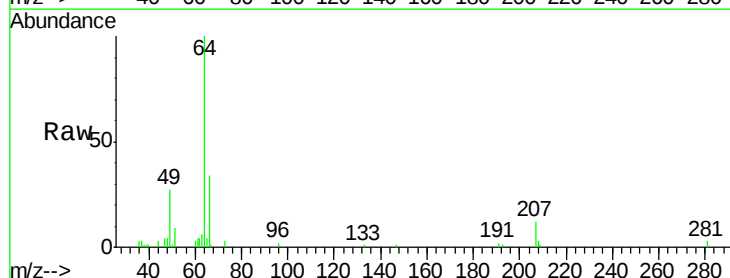
Acq: 27 Feb 2020 11:06

Tgt Ion: 64 Resp: 30865

Ion Ratio Lower Upper

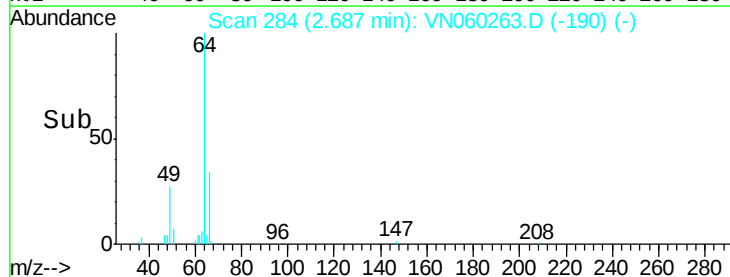
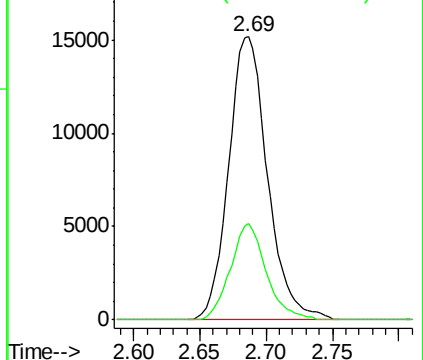
64 100

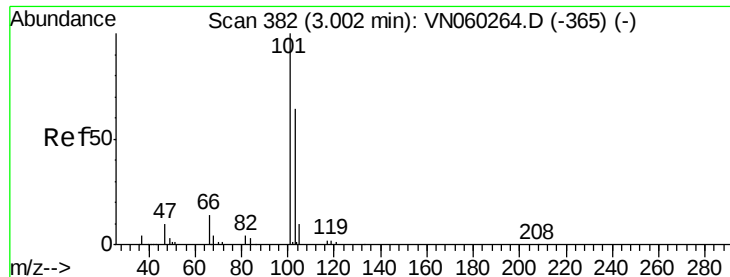
66 34.1 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

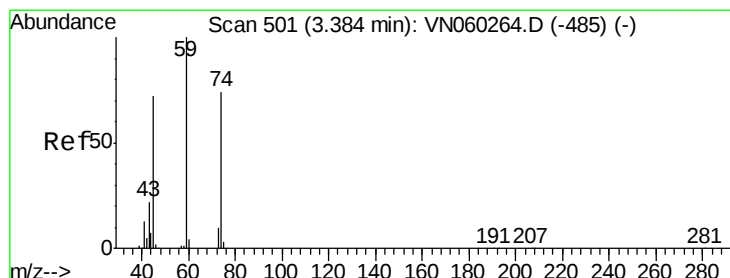
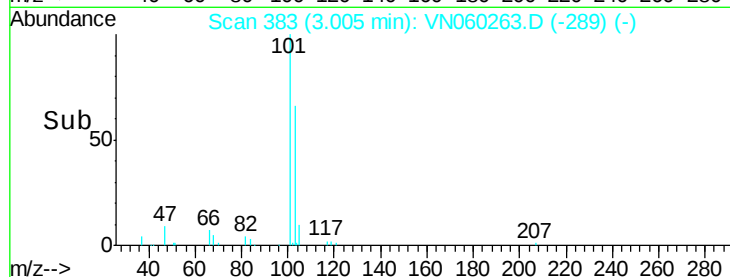
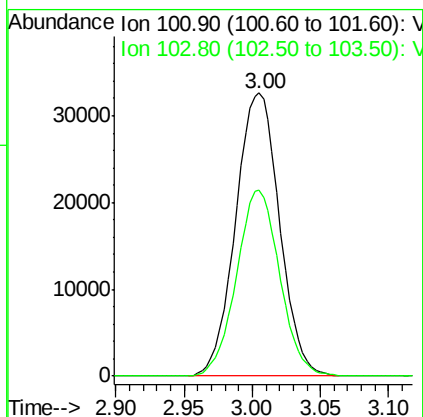
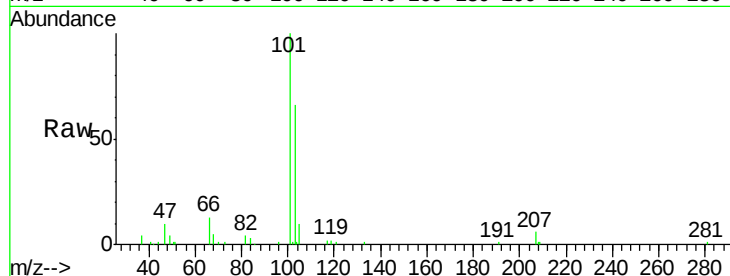
Trichlorofluoromethane
Concen: 18.699 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.3	76.9

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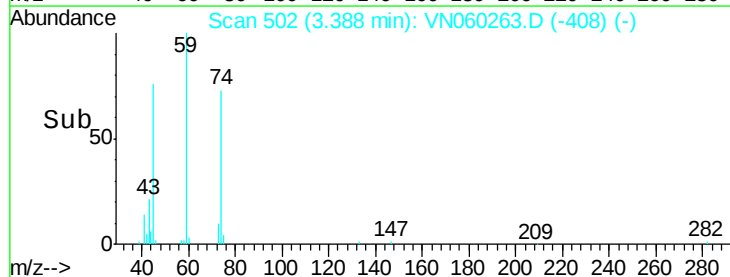
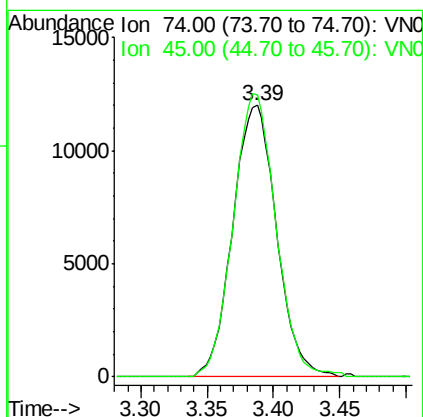
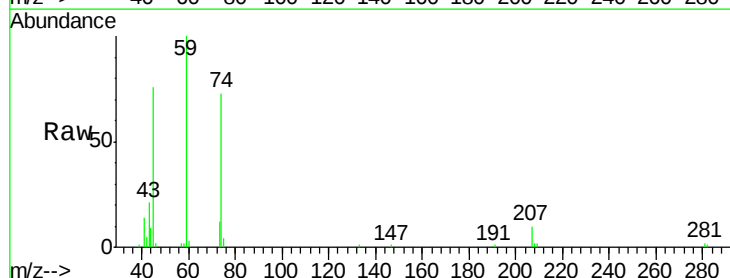
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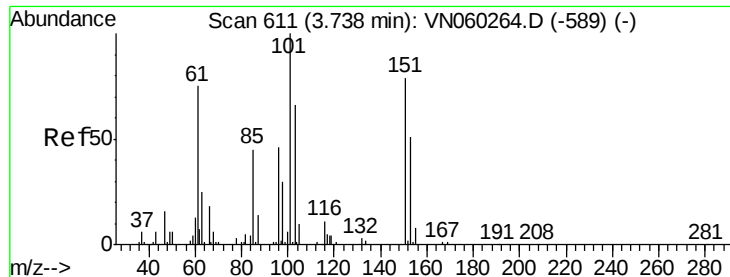


#8

Diethyl Ether
Concen: 20.840 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.037 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

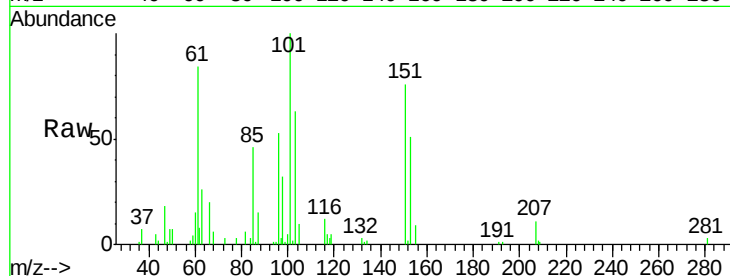
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	41300
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.4	53.2
151	77.5	62.0	93.0

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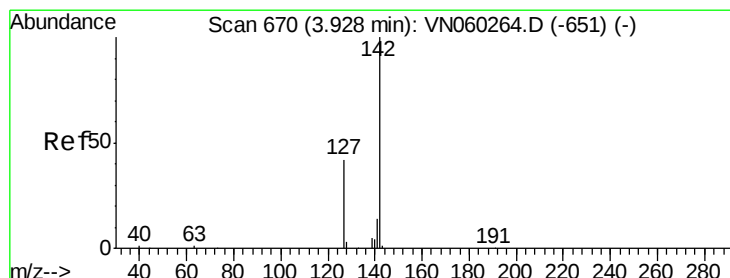
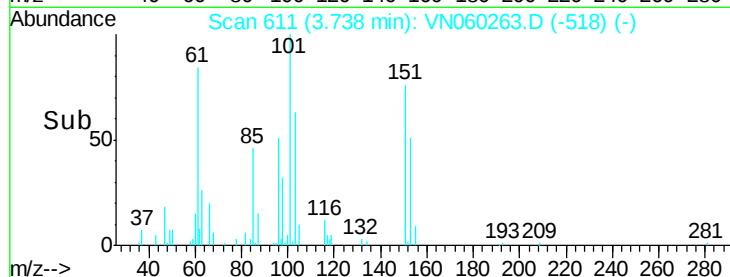
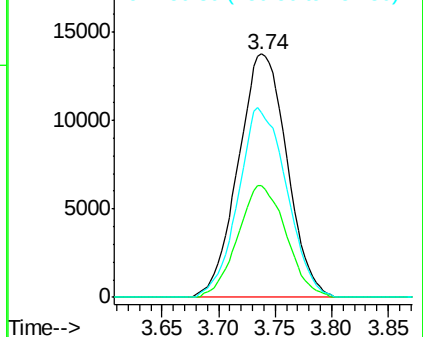
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.669 ug/l

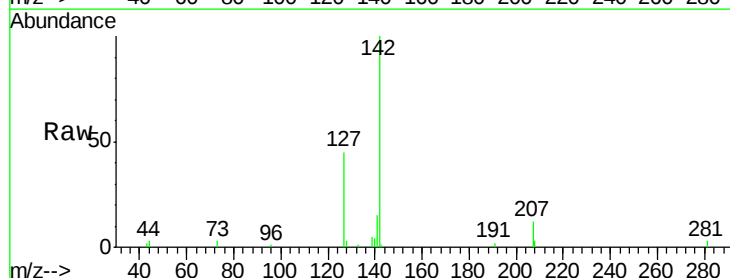
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

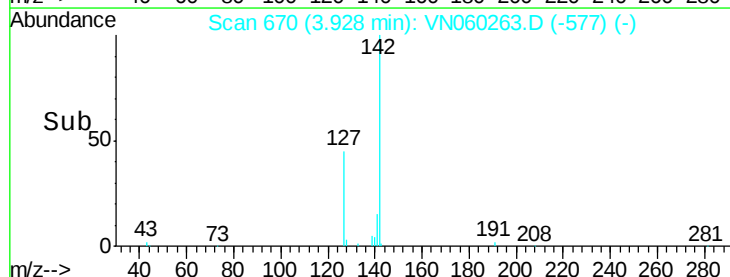
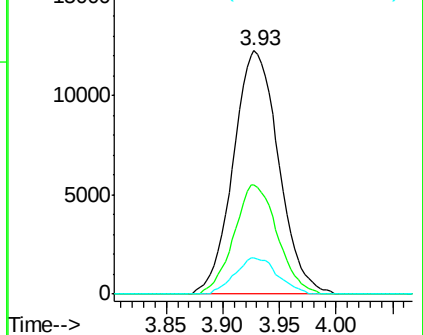
Tgt Ion:	142	Resp:	34129
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.8	50.6
141	14.0	11.1	16.7

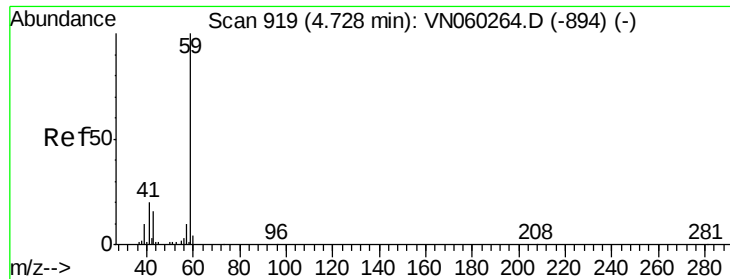


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





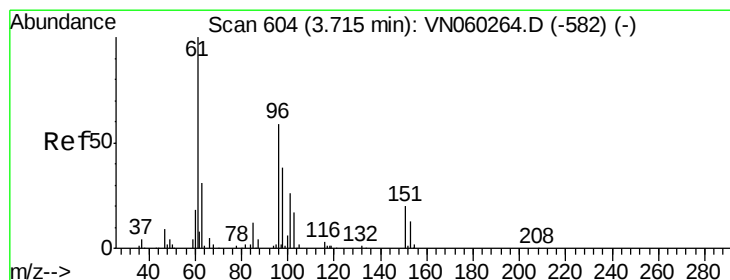
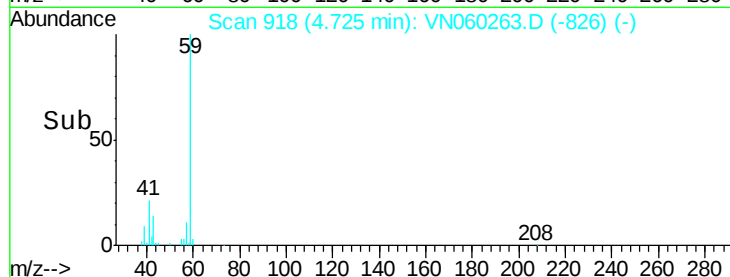
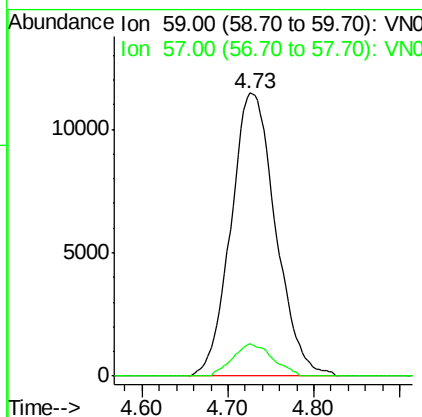
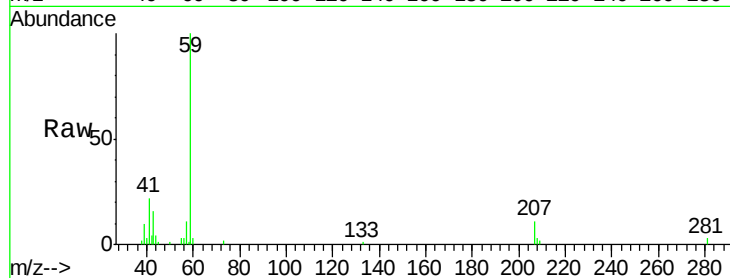
#11
Tert butyl alcohol
Concen: 101.261 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

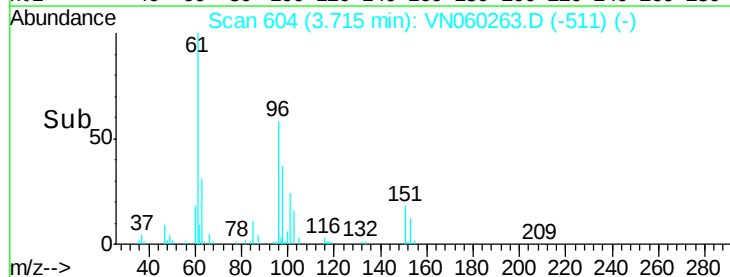
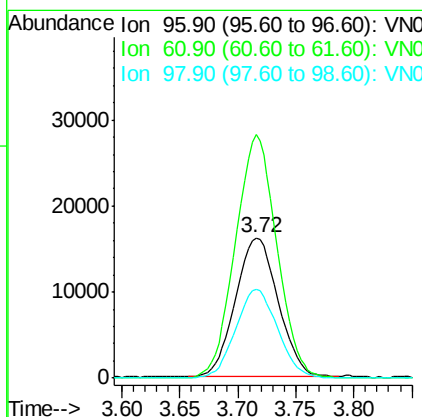
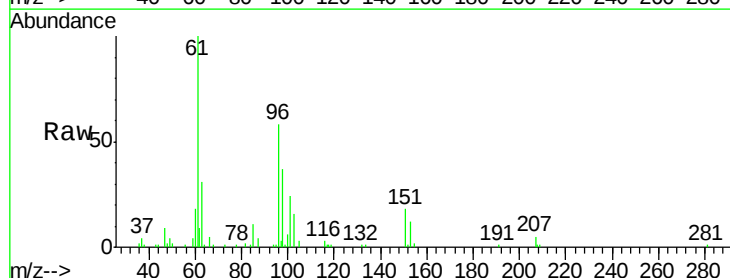
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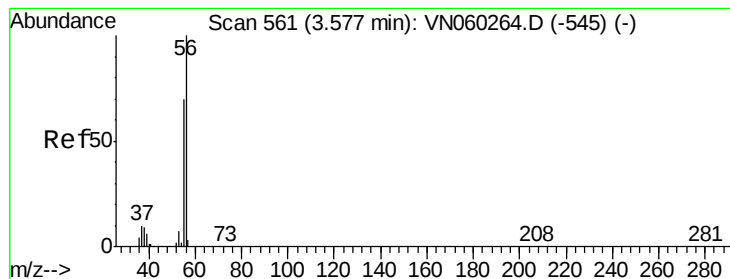
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#12
1,1-Dichloroethene
Concen: 19.442 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.4	135.4	203.0
98	64.4	51.6	77.4





#13

Acrolein

Concen: 103.351 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 41878

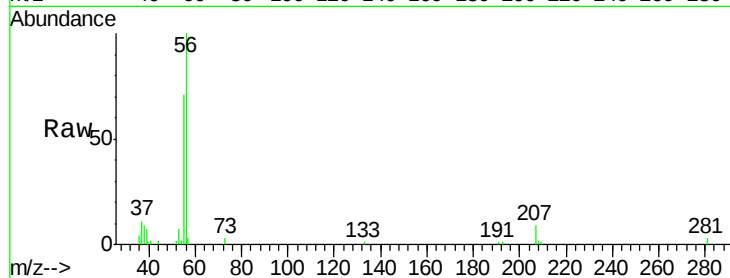
Ion Ratio Lower Upper

56 100

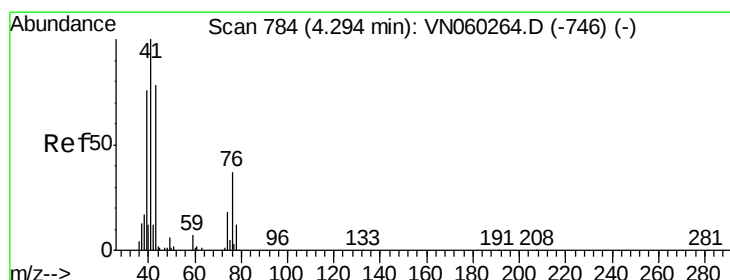
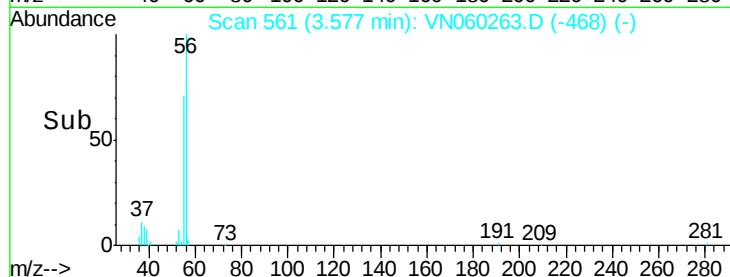
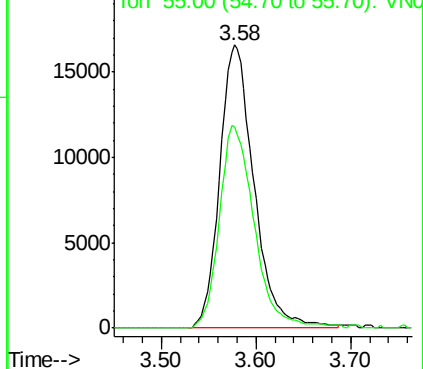
55 72.7 57.4 86.0

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN060263.D (-468) (-)



#14

Allyl chloride

Concen: 21.208 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

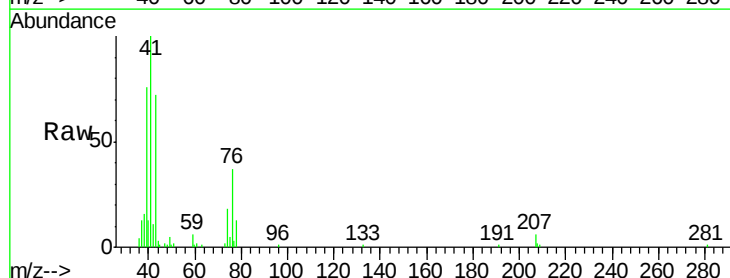
Tgt Ion: 41 Resp: 69321

Ion Ratio Lower Upper

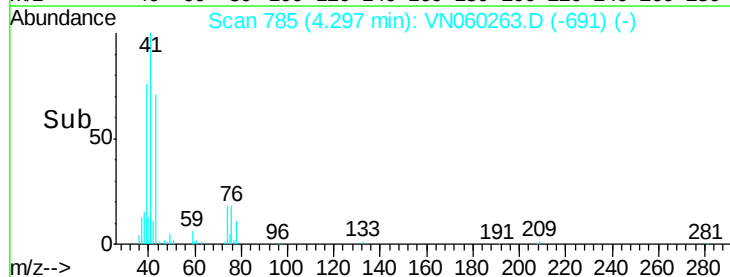
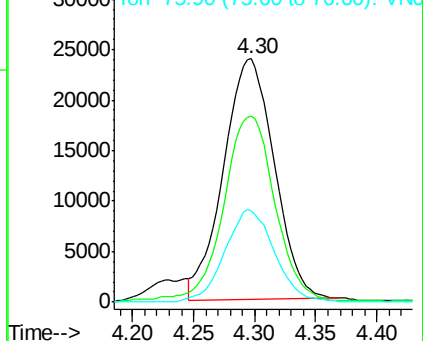
41 100

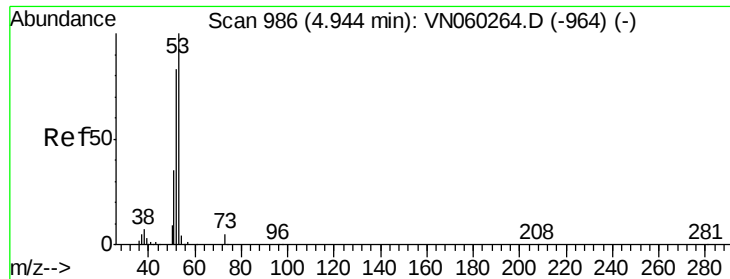
39 75.8 55.4 83.2

76 37.2 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN060263.D (-691) (-)





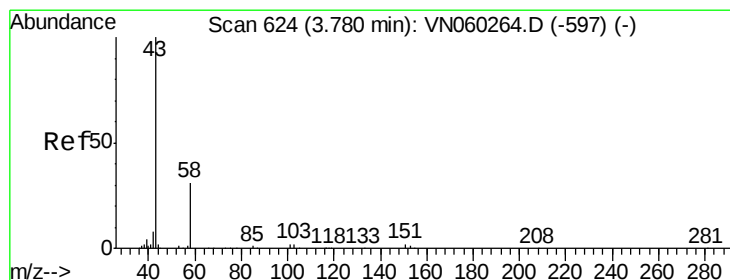
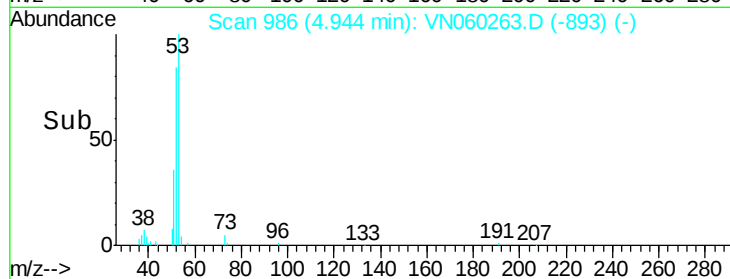
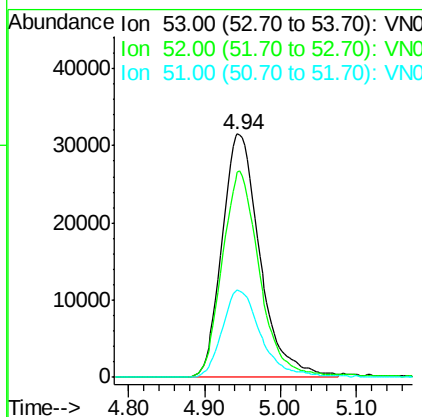
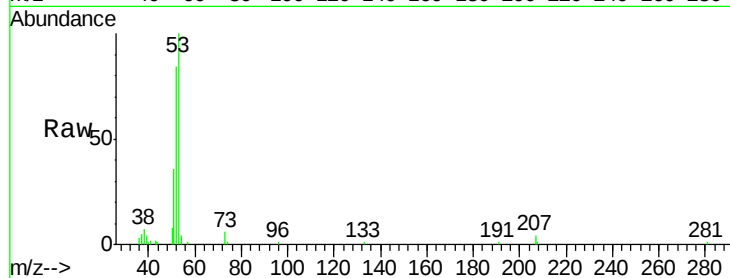
#15
 Acrylonitrile
 Concen: 108.486 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	109601
Ion Ratio	Lower	Upper	
53	100		
52	82.8	66.8	100.2
51	36.6	29.0	43.6

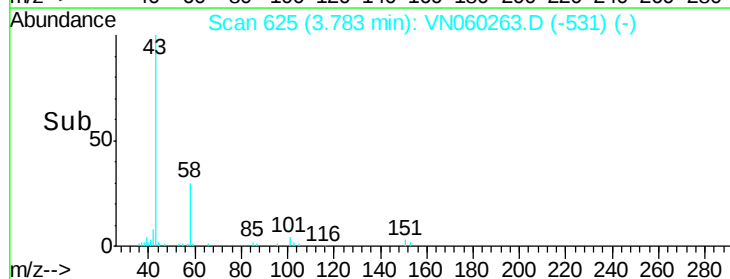
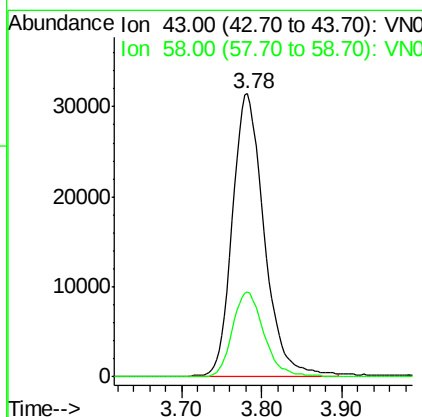
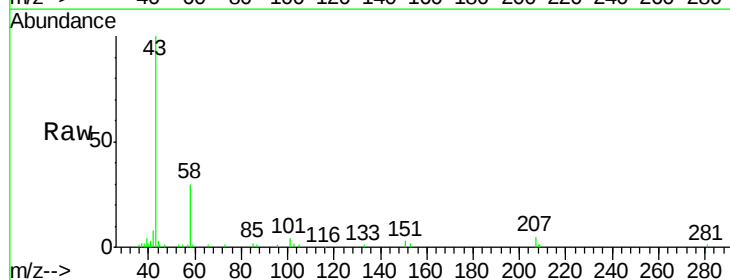
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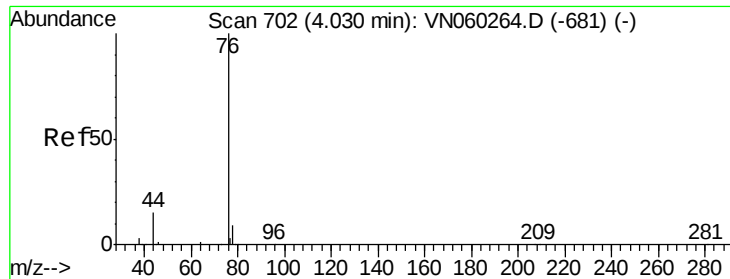
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#16
 Acetone
 Concen: 75.831 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Tgt Ion:	43	Resp:	85310
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.6	36.8





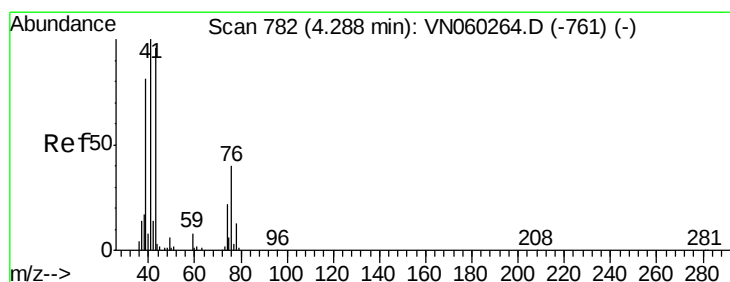
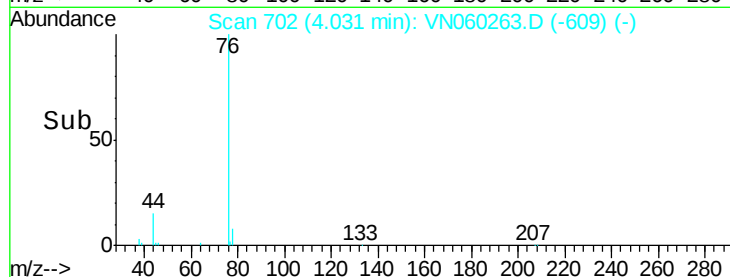
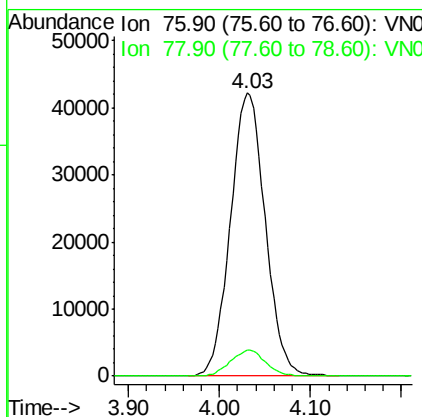
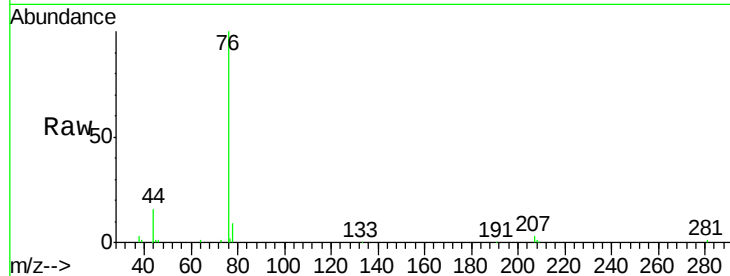
#17
Carbon Disulfide
Concen: 17.858 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

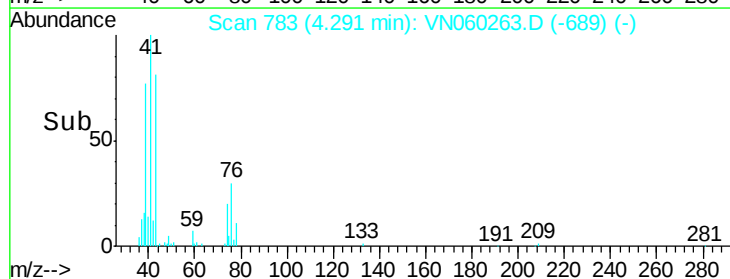
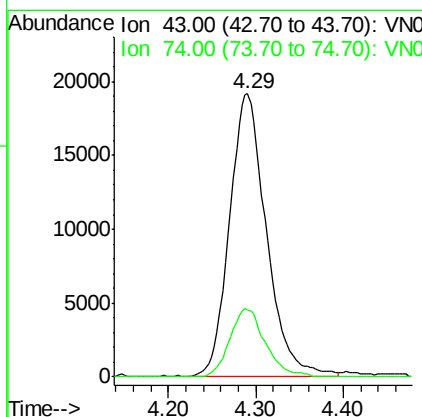
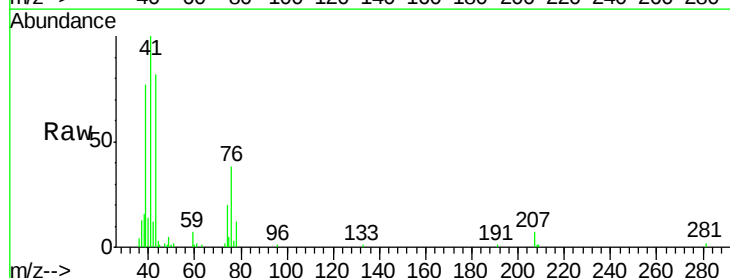
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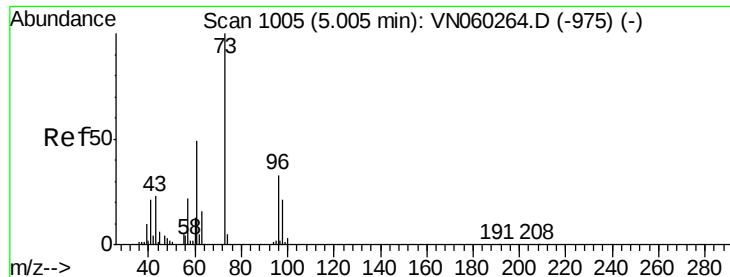
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#18
Methyl Acetate
Concen: 24.281 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.8	28.2





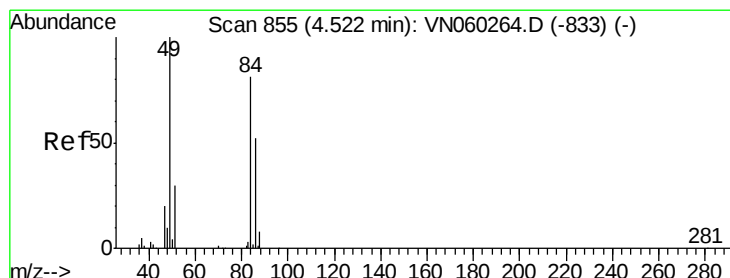
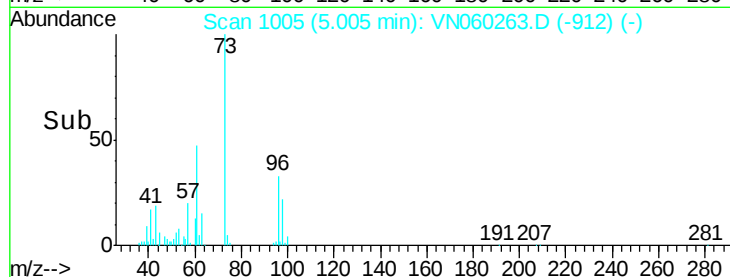
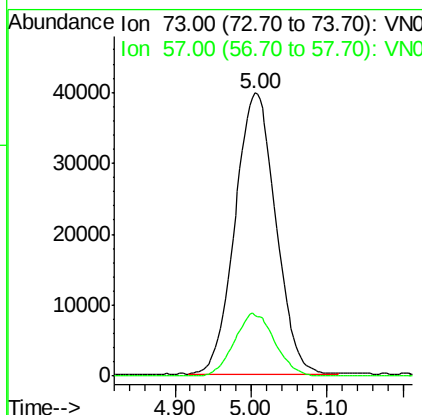
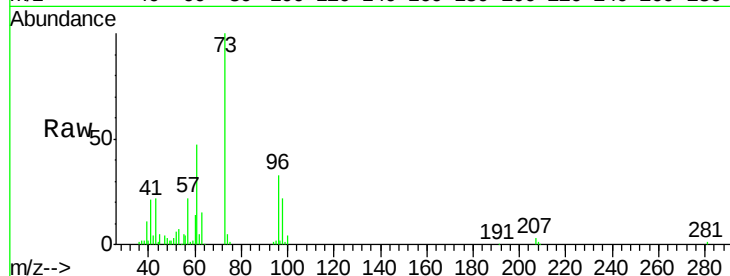
#19
Methvl tert-butvl Ether
Concen: 20.439 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 146953
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

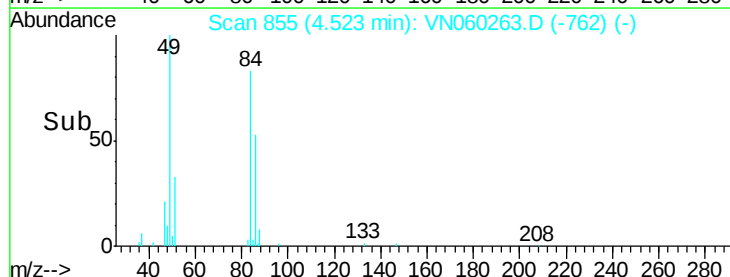
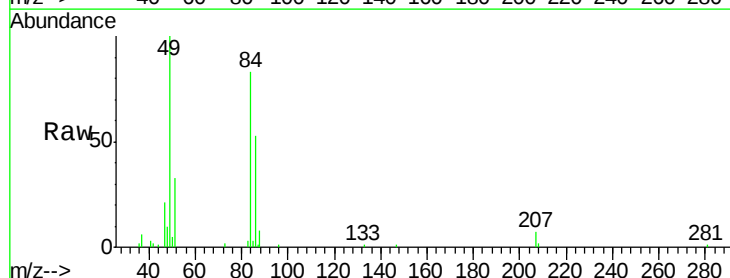
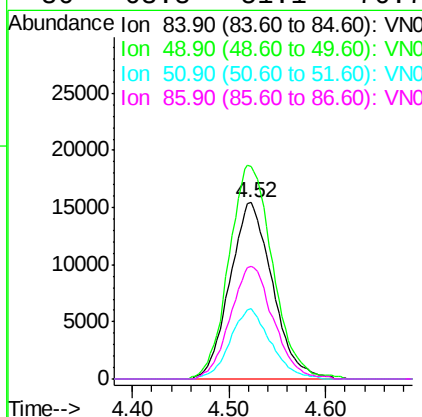
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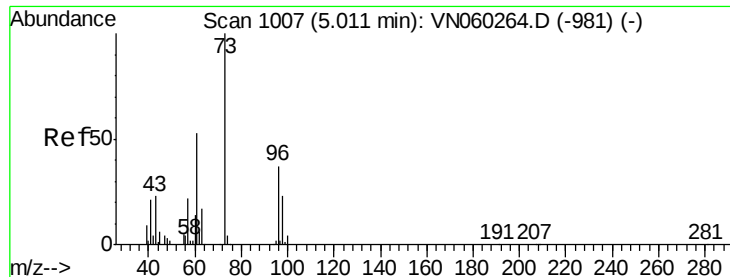
MMDadoda
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#20
Methylene Chloride
Concen: 19.876 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion: 84 Resp: 47239
Ion Ratio Lower Upper
84 100
49 120.6 99.3 148.9
51 39.7 30.1 45.1
86 63.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.673 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

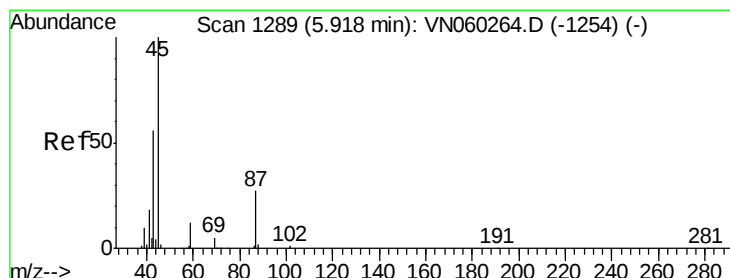
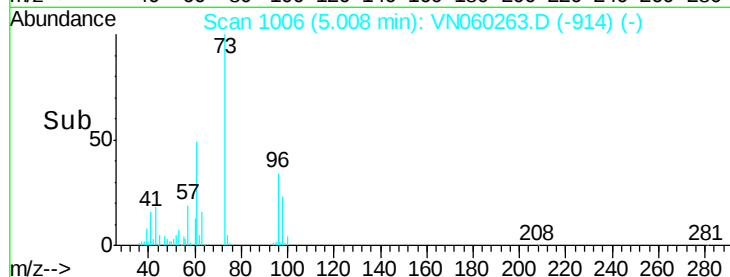
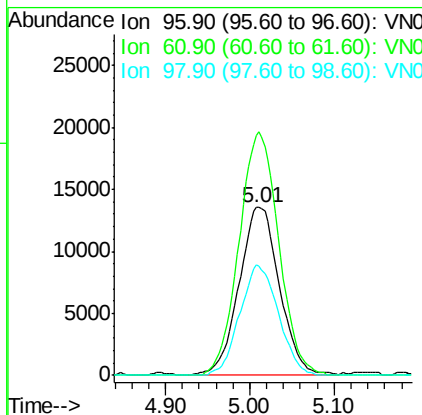
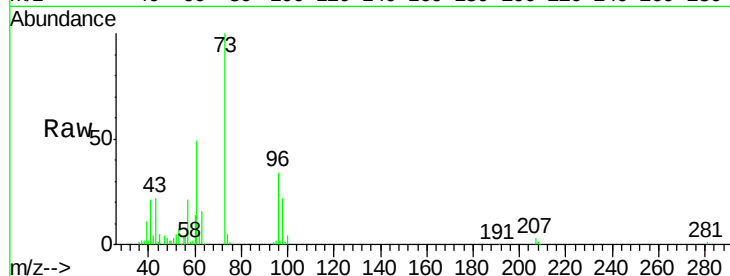
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	45247
Ion	Ratio	Lower	Upper
96	100		
61	143.0	113.8	170.8
98	66.0	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.741 ug/l

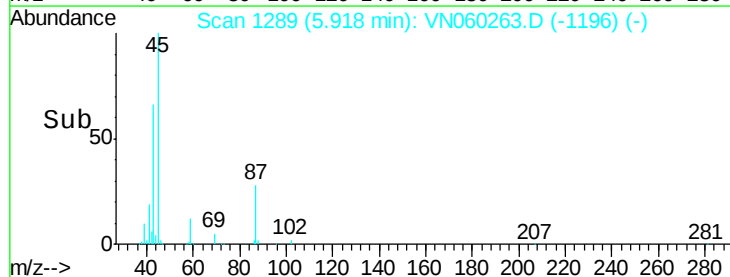
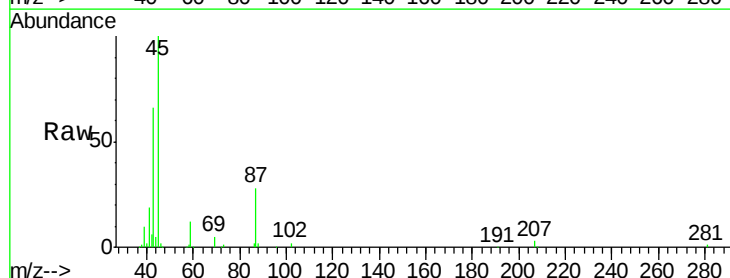
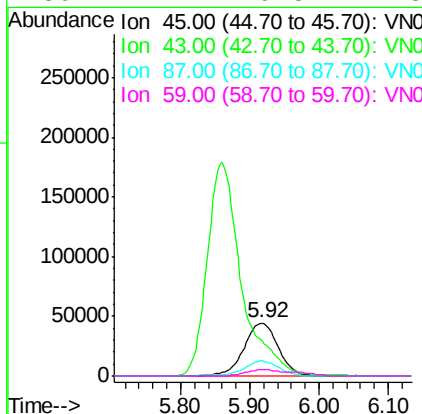
RT: 5.92 min Scan# 1289

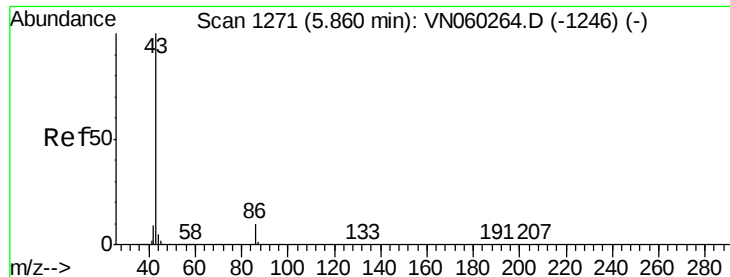
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	45	Resp:	152063
Ion	Ratio	Lower	Upper
45	100		
43	64.1	48.6	72.8
87	28.1	22.2	33.2
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 105.507 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 613488

Ion Ratio Lower Upper

43 100

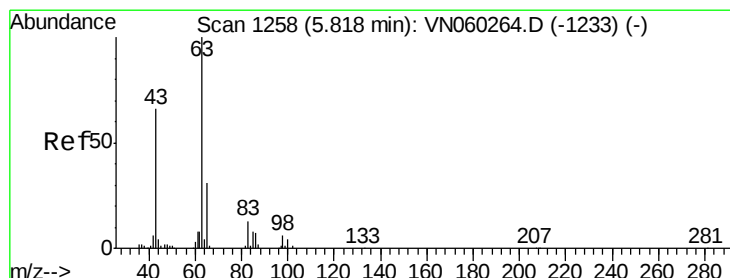
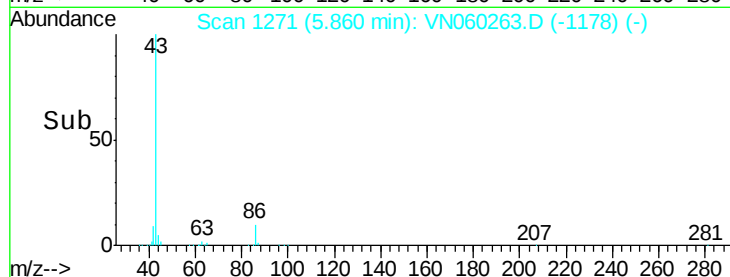
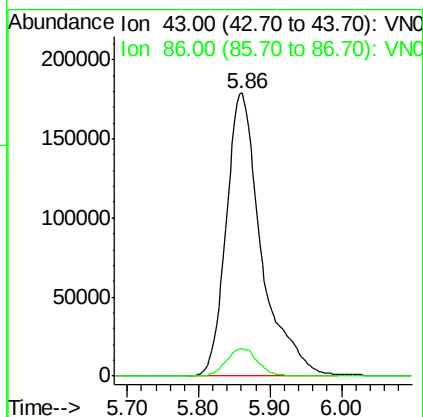
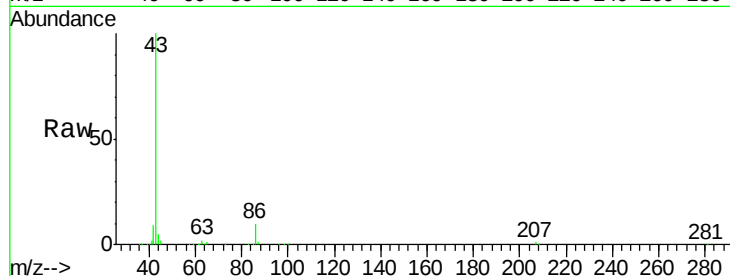
86 9.6 8.0 12.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.480 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

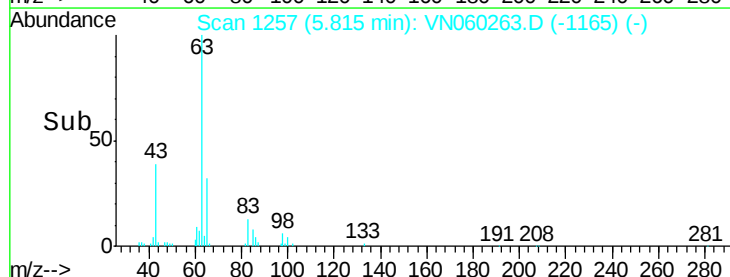
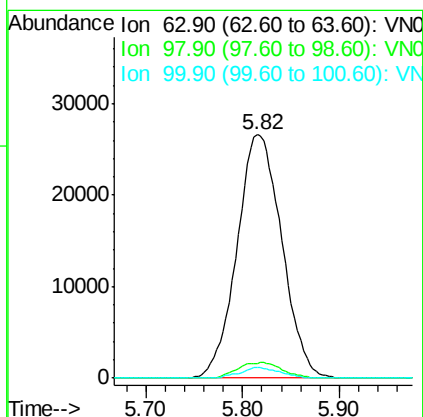
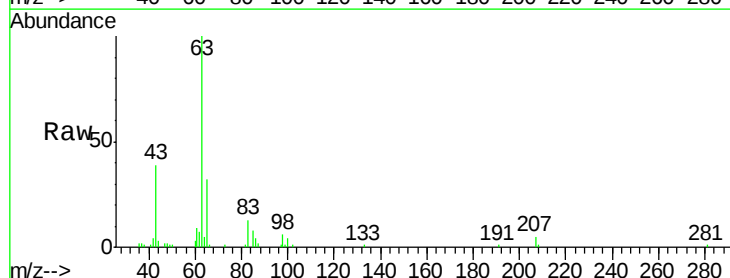
Tgt Ion: 63 Resp: 85602

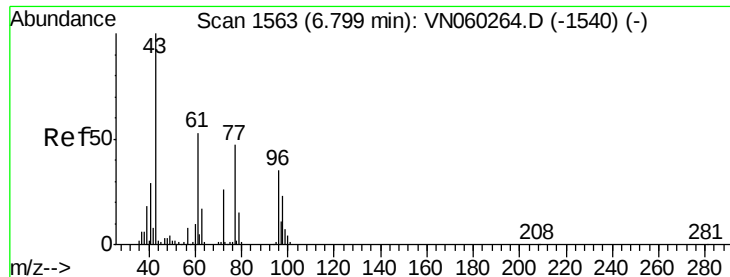
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.0

100 4.4 2.0 6.0





#25

2-Butanone

Concen: 96.400 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 141981

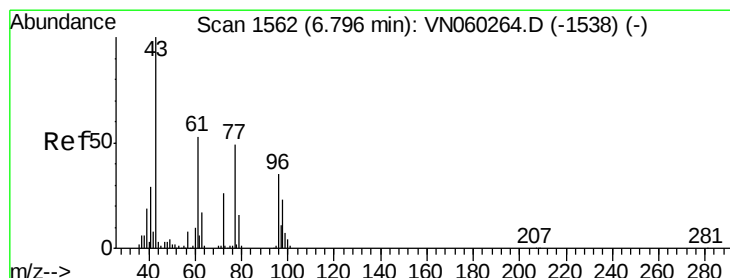
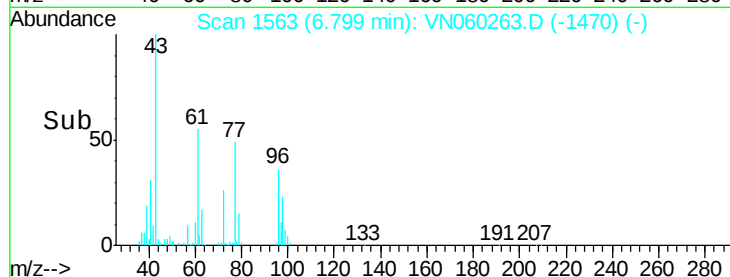
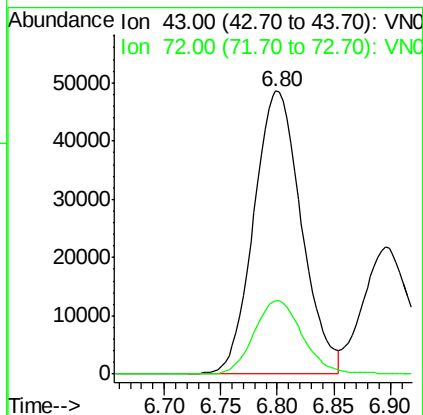
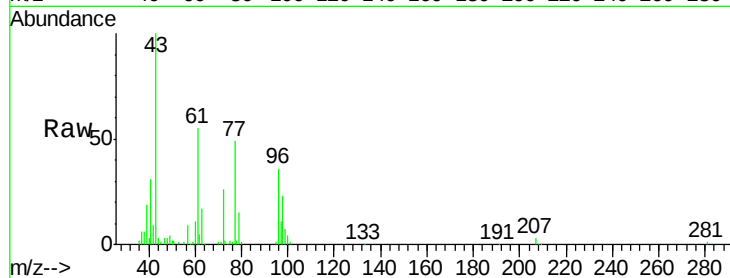
Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 20.001 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060263.D

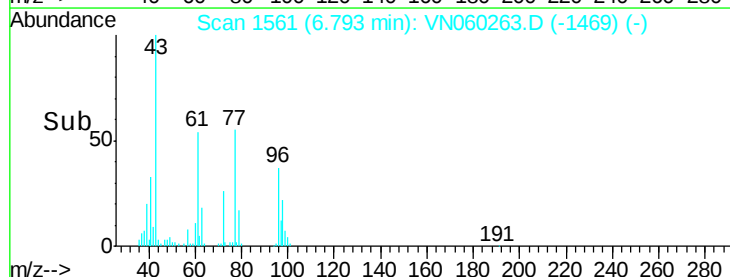
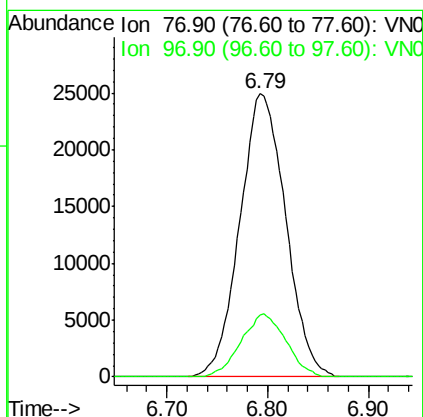
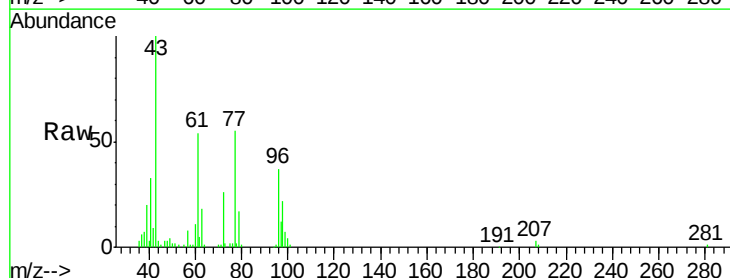
Acq: 27 Feb 2020 11:06

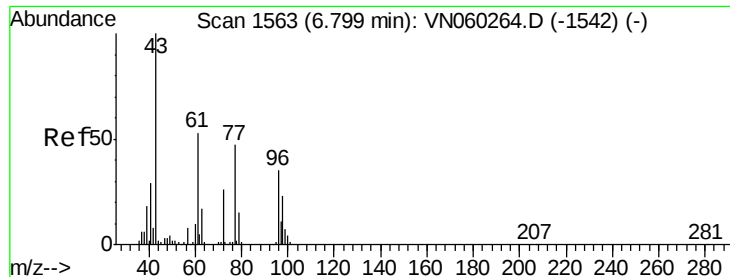
Tgt Ion: 77 Resp: 78621

Ion Ratio Lower Upper

77 100

97 21.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.887 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

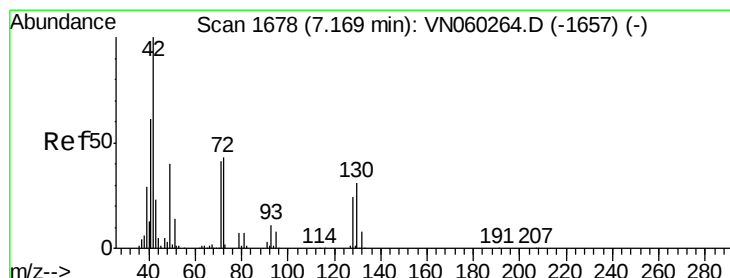
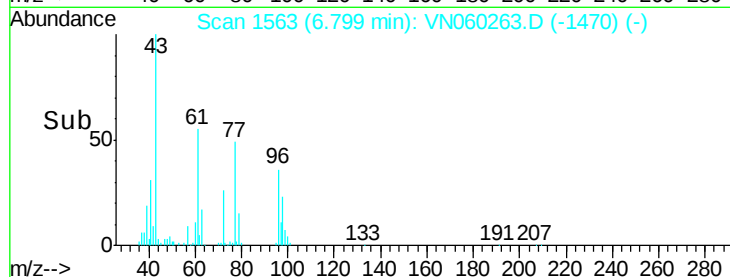
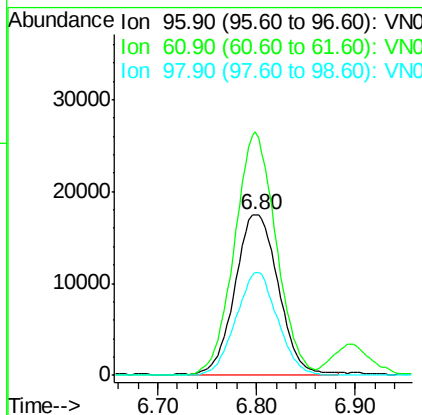
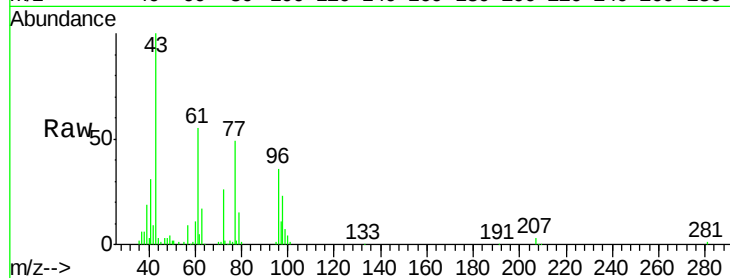
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	53671
Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	300.8
98	60.9	0.0	128.2

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#28

Bromochloromethane

Concen: 21.770 ug/l

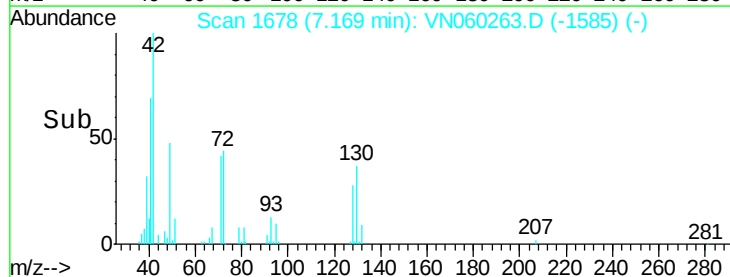
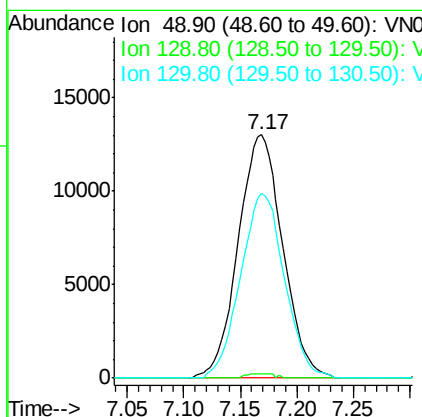
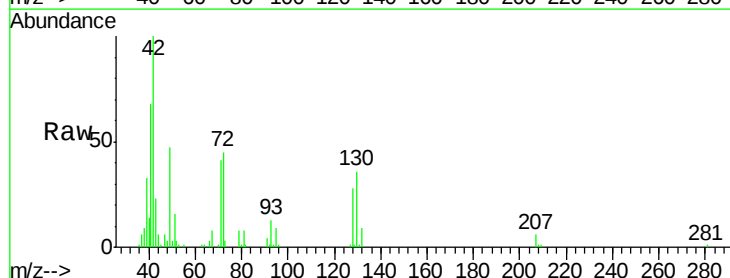
RT: 7.17 min Scan# 1678

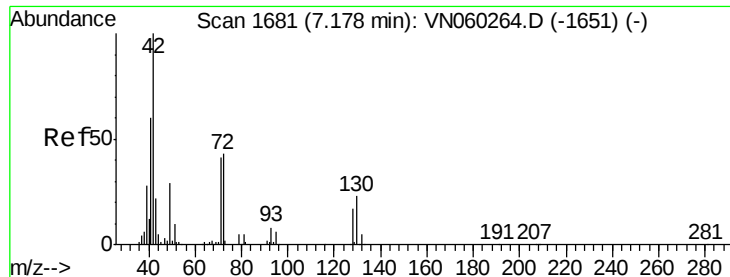
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	49	Resp:	35601
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	74.9	59.8	89.8





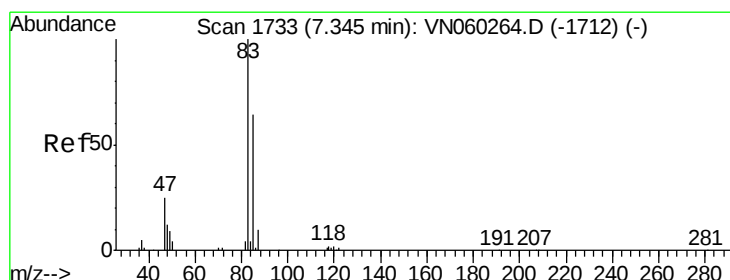
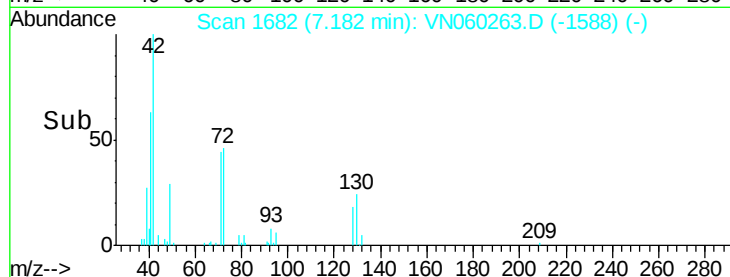
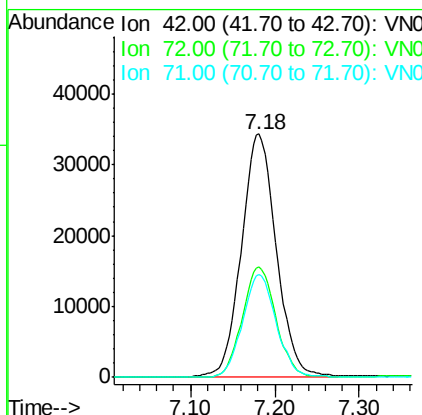
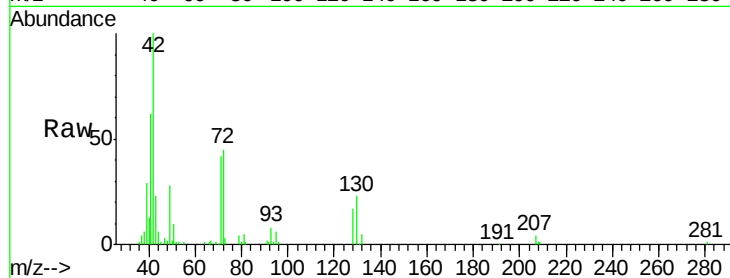
#29
Tetrahydrofuran
Concen: 106.522 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.6	52.0
71	40.6	32.9	49.3

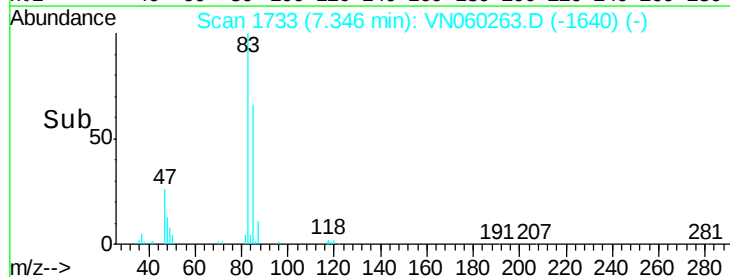
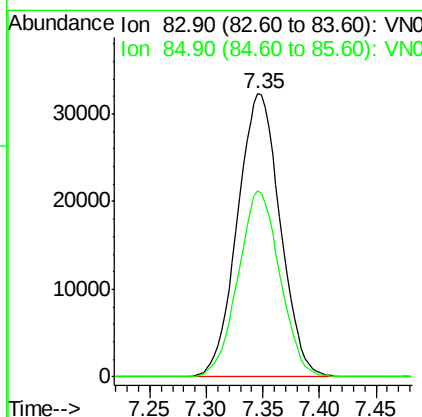
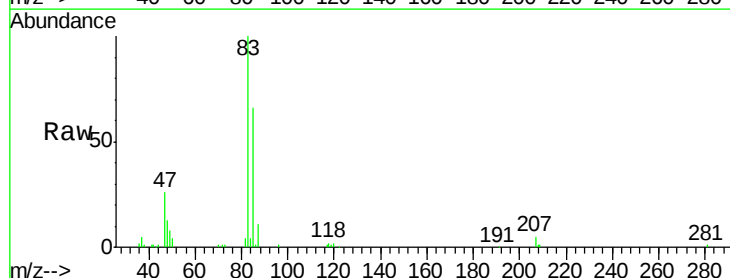
Manual Integrations
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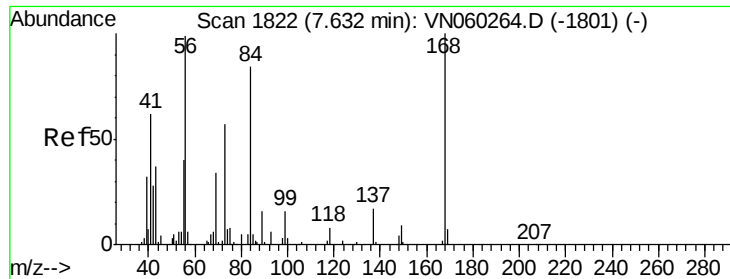
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#30
Chloroform
Concen: 19.615 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.2





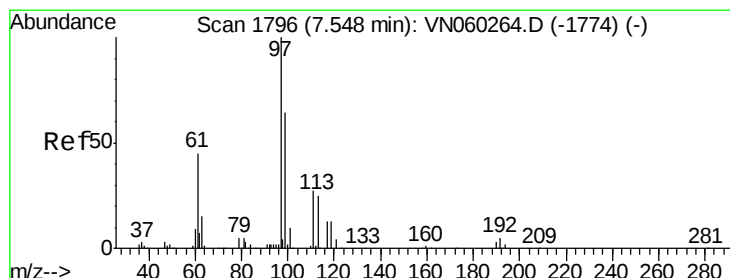
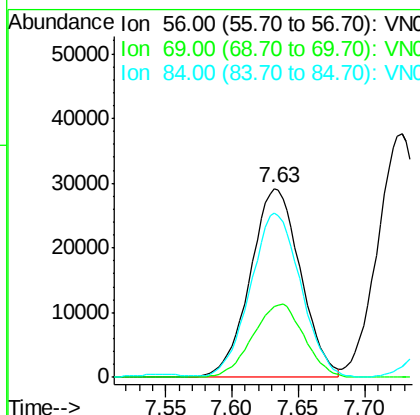
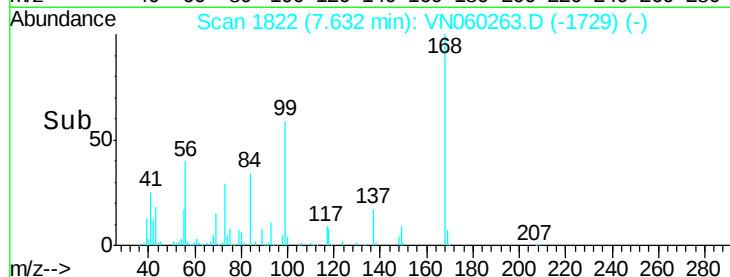
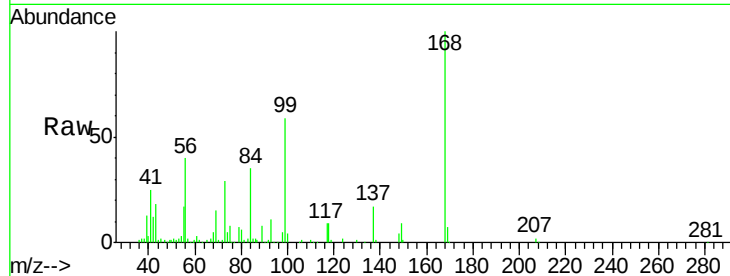
#31
Cyclohexane
Concen: 19.884 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	27.2	40.8
84	86.2	66.7	100.1

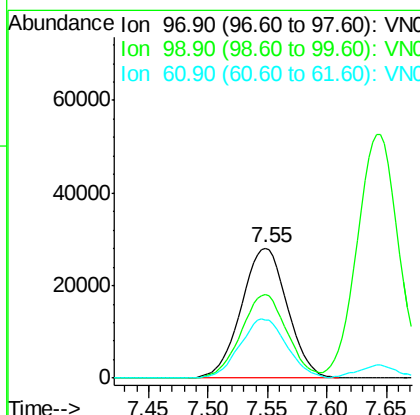
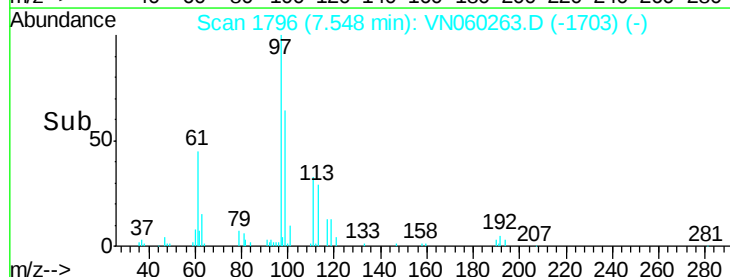
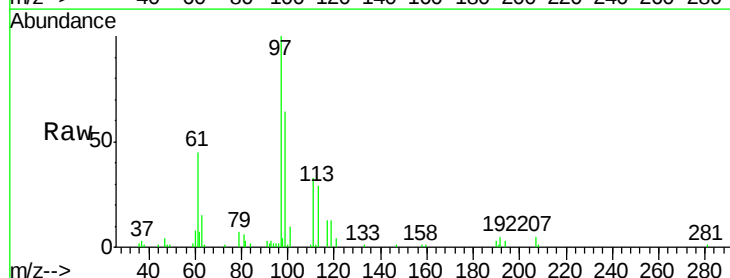
Manual Integrations
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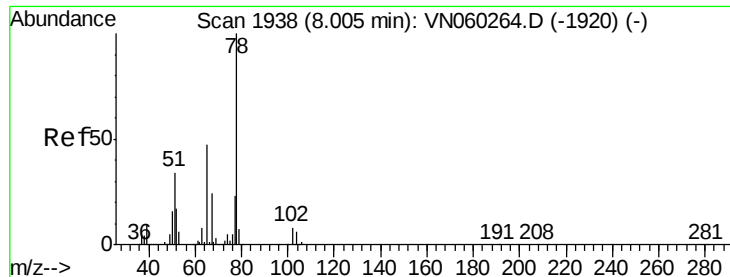
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#32
1,1,1-Trichloroethane
Concen: 19.128 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.0
61	46.1	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 21.587 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 58648

Ion Ratio Lower Upper

65 100

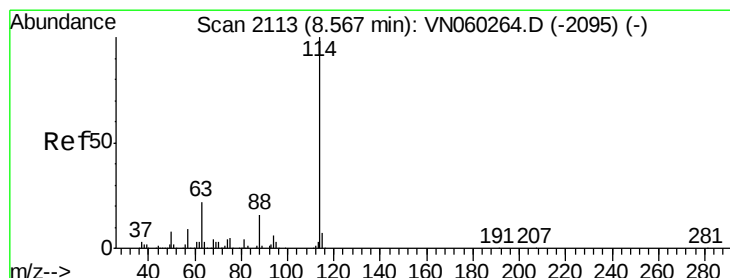
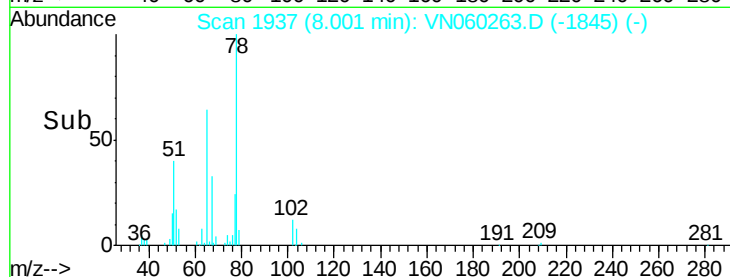
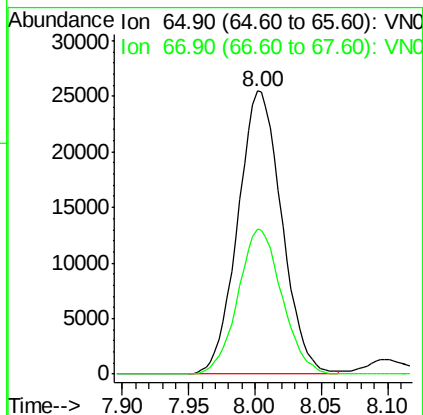
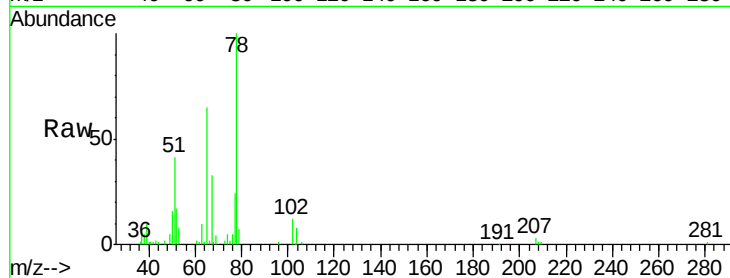
67 51.1 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

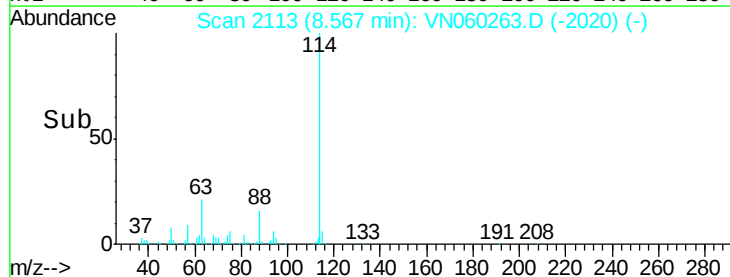
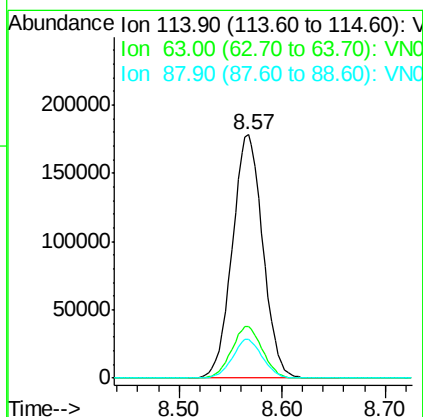
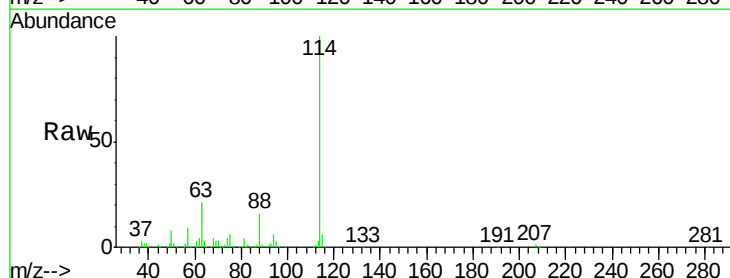
Tgt Ion: 114 Resp: 367086

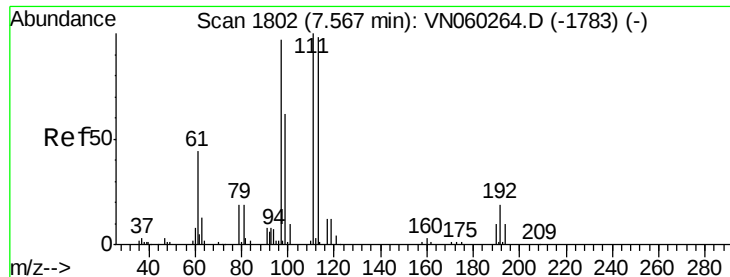
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.2

88 16.0 0.0 31.6





#35

Dibromofluoromethane

Concen: 18.326 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

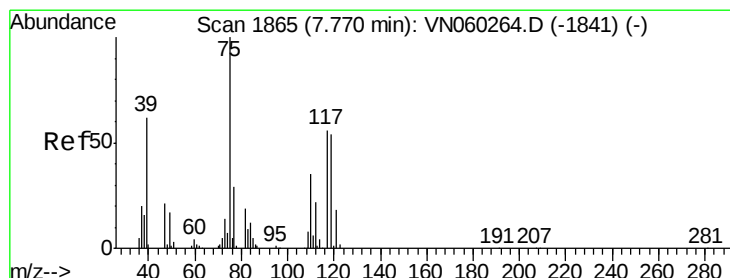
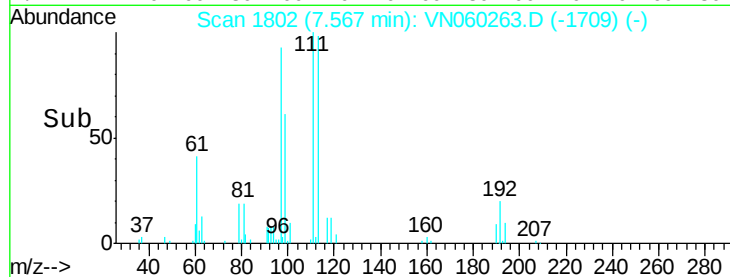
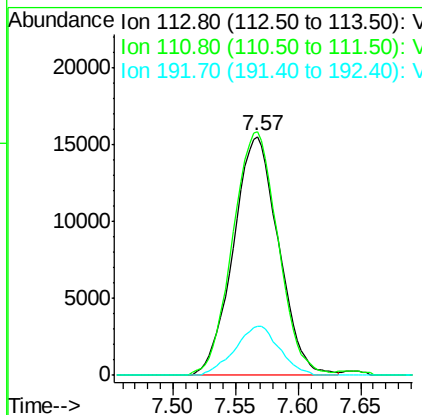
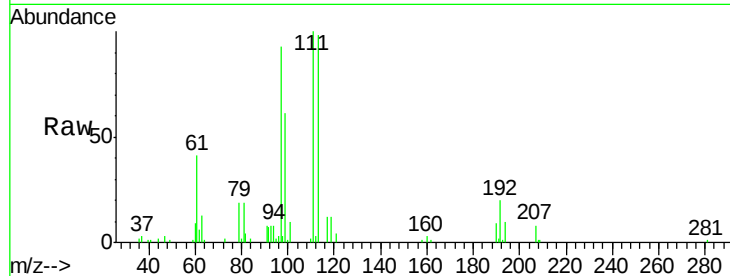
ClientSampled :

VSTDIC020

Tot Ion:	113	Resp:	38953
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	20.2	16.2	24.2

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#36

1,1-Dichloropropene

Concen: 18.477 ug/l

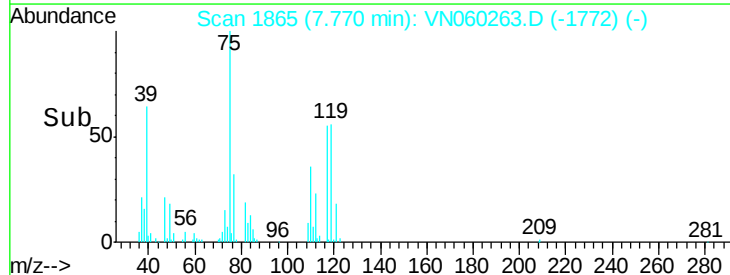
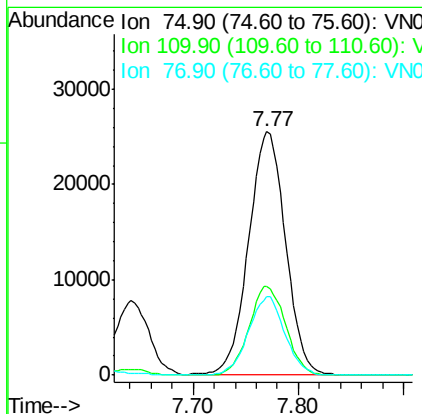
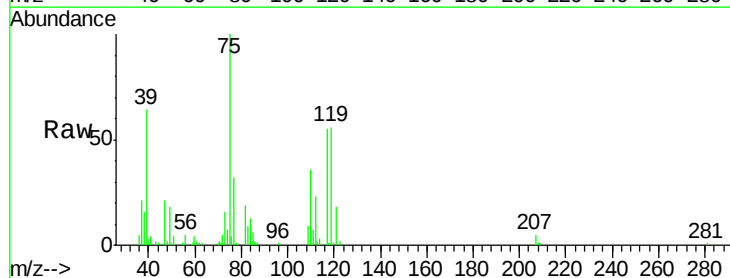
RT: 7.77 min Scan# 1865

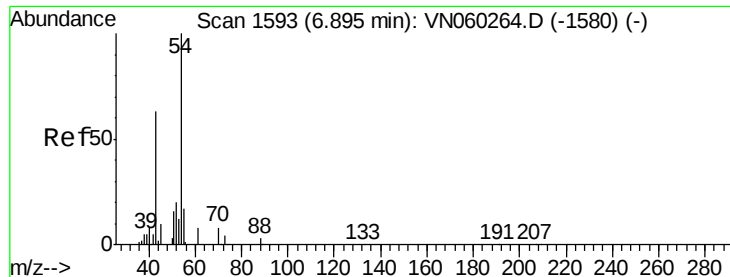
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	75	Resp:	62602
Ion	Ratio	Lower	Upper
75	100		
110	35.7	17.3	52.0
77	31.5	24.2	36.2





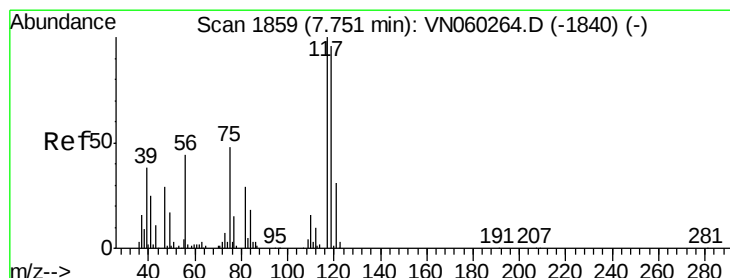
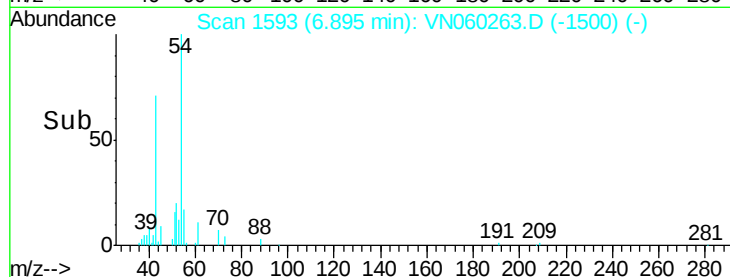
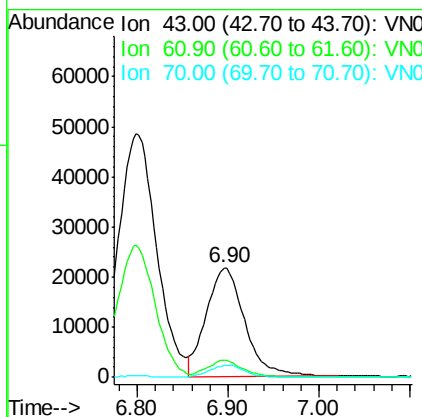
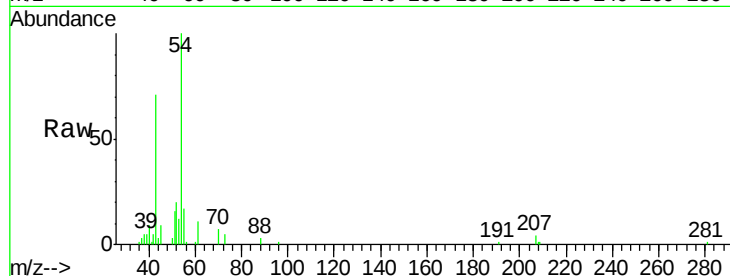
#37
Ethyl Acetate
Concen: 20.445 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.1	16.7
70	10.0	8.4	12.6

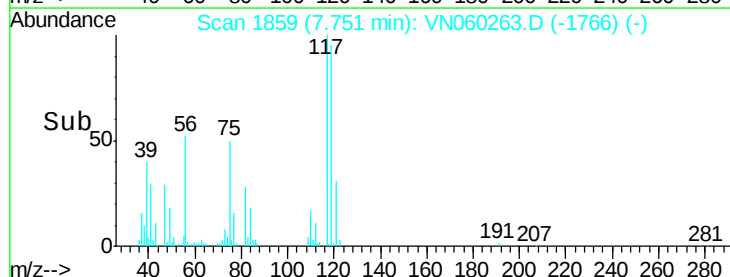
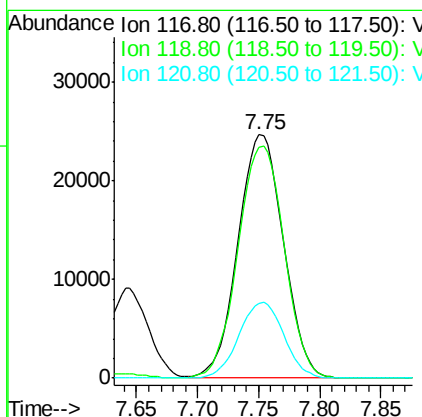
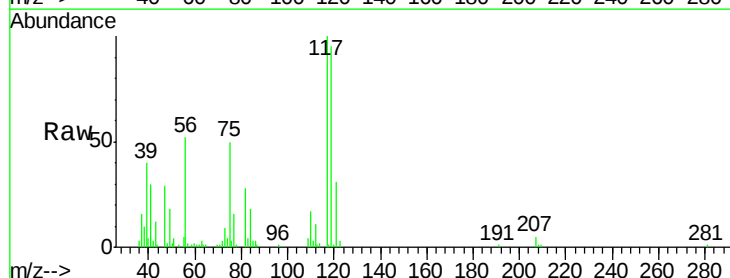
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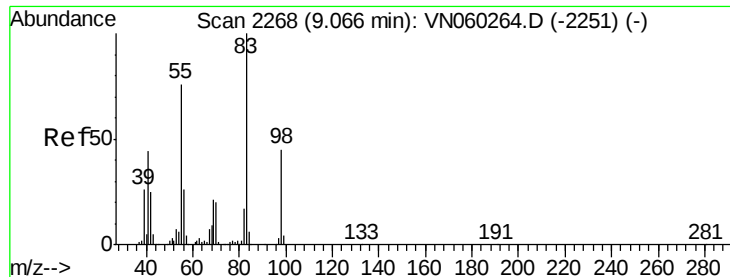
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#38
Carbon Tetrachloride
Concen: 17.478 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.7	115.1
121	30.8	24.5	36.7





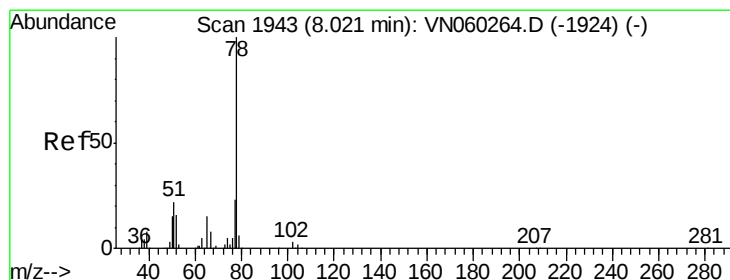
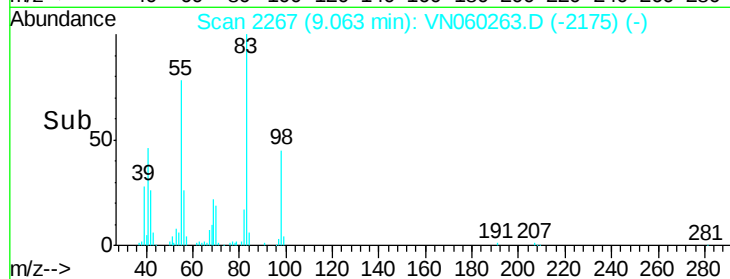
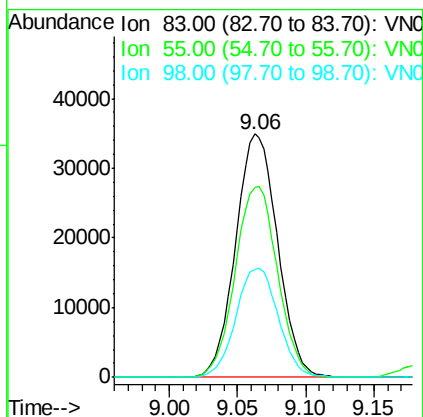
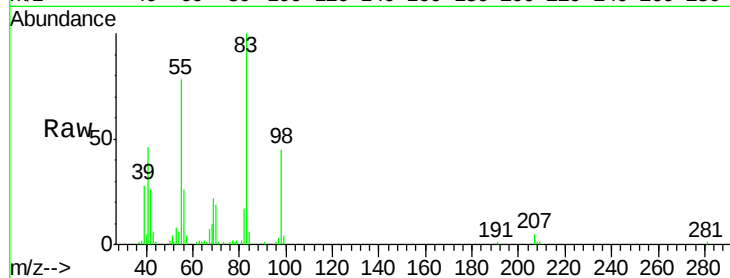
#39
Methvlcvclohexane
Concen: 17.815 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.0	91.4
98	44.5	36.1	54.1

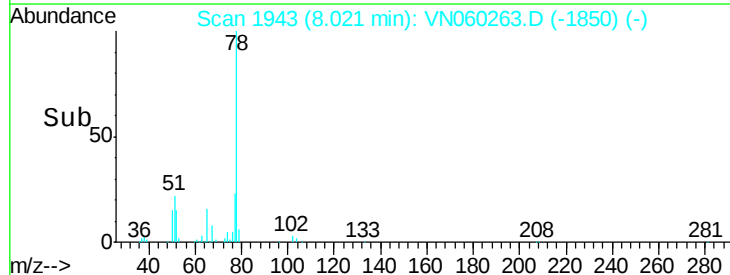
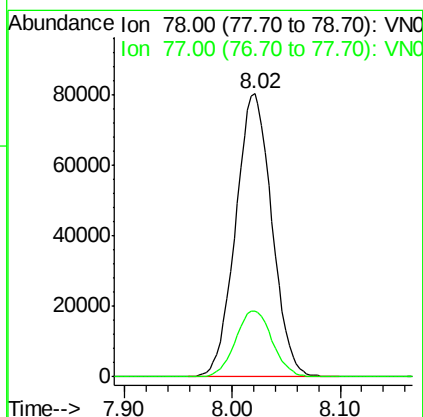
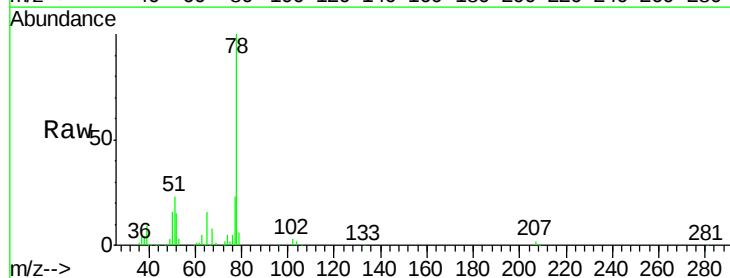
Manual Integrations
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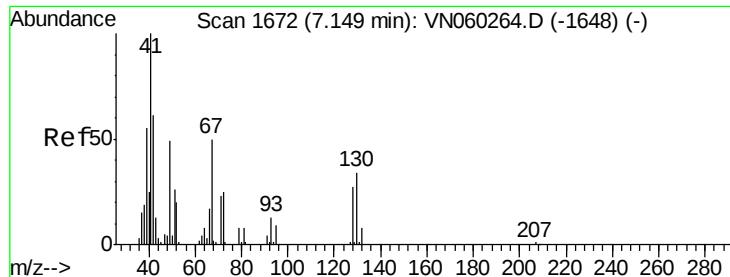
MMDadoda
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#40
Benzene
Concen: 18.653 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





#41

Methacrylonitrile

Concen: 22.535 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 29728

Ion Ratio Lower Upper

41 100

39 157.2 0.0 0.0#

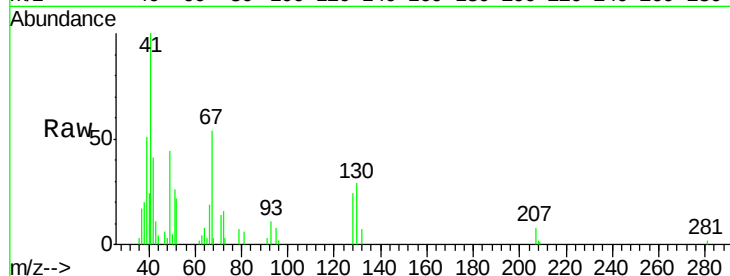
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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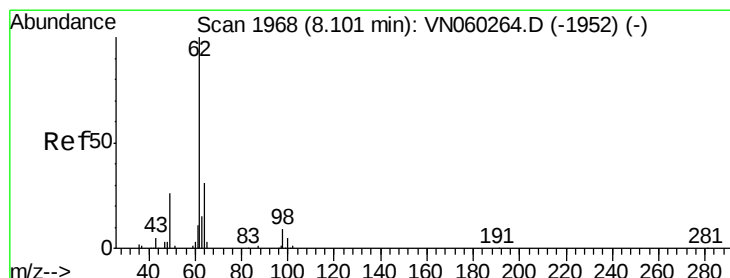
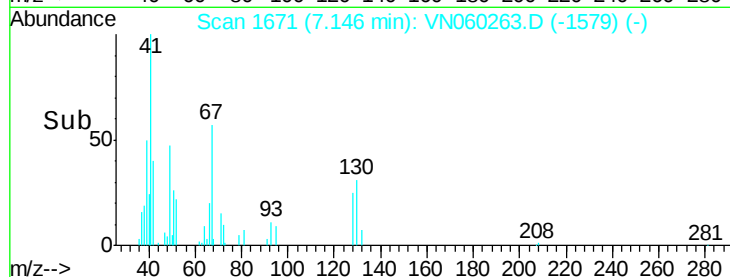
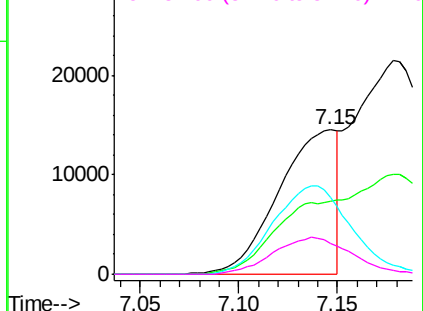


Abundance Ion 41.00 (40.70 to 41.70): VN060264.D (-1648) (-)

Ion 39.00 (38.70 to 39.70): VN060264.D (-1648) (-)

Ion 67.00 (66.70 to 67.70): VN060264.D (-1648) (-)

Ion 52.00 (51.70 to 52.70): VN060264.D (-1648) (-)



#42

1,2-Dichloroethane

Concen: 19.438 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060263.D

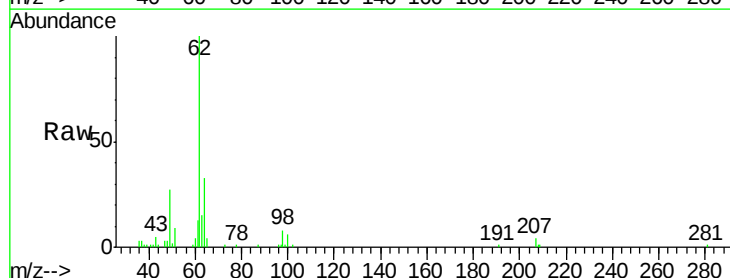
Acq: 27 Feb 2020 11:06

Tgt Ion: 62 Resp: 68979

Ion Ratio Lower Upper

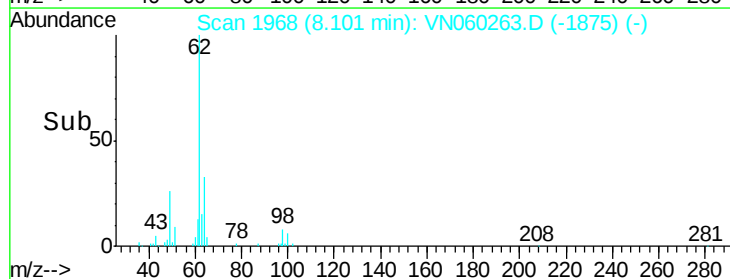
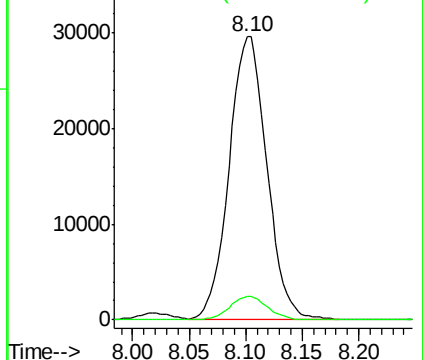
62 100

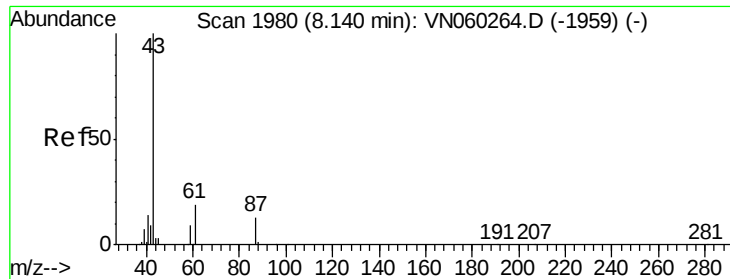
98 8.2 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN060264.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1952) (-)





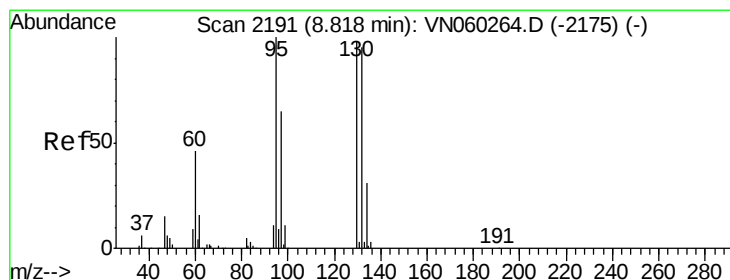
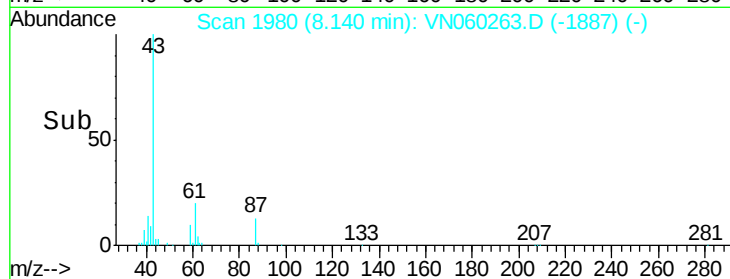
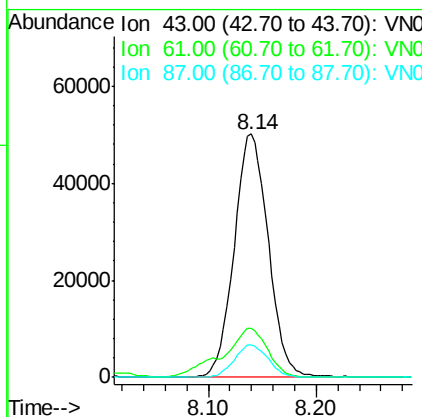
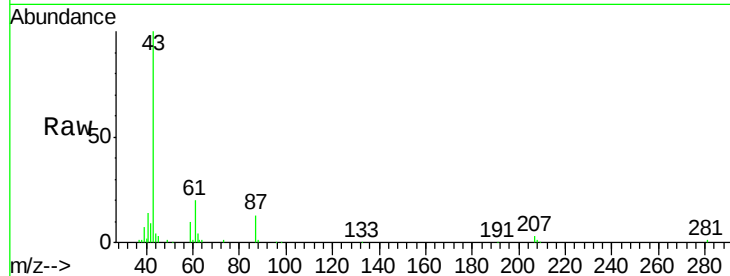
#43
Isopropyl Acetate
Concen: 20.723 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	20.9	31.3#
87	13.2	10.6	16.0

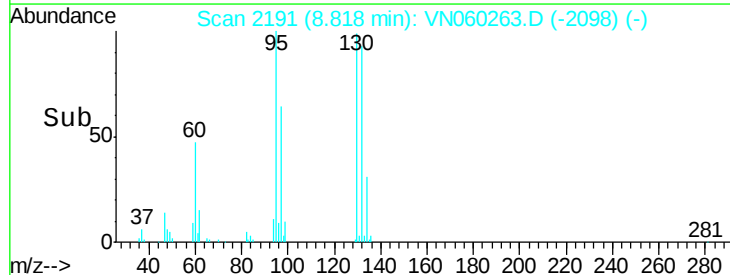
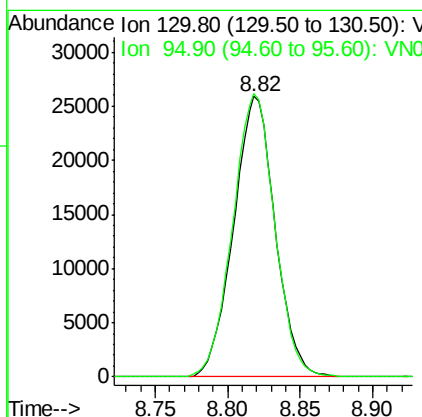
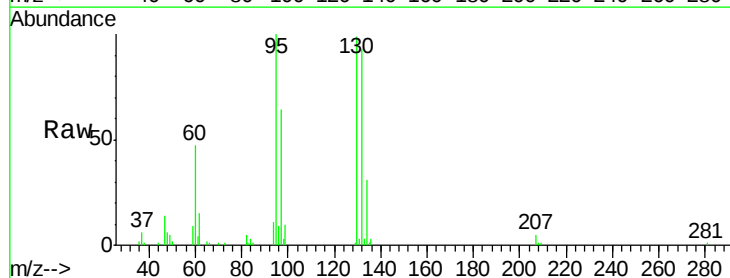
Manual Integrations
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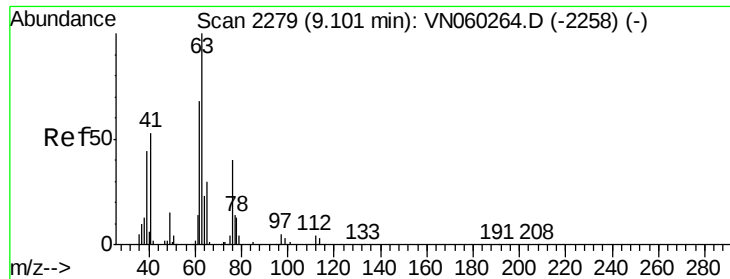
MMDadoda
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#44
Trichloroethene
Concen: 18.484 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	203.4





#45

1,2-Dichloropropane

Concen: 20.279 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 51093

Ion Ratio Lower Upper

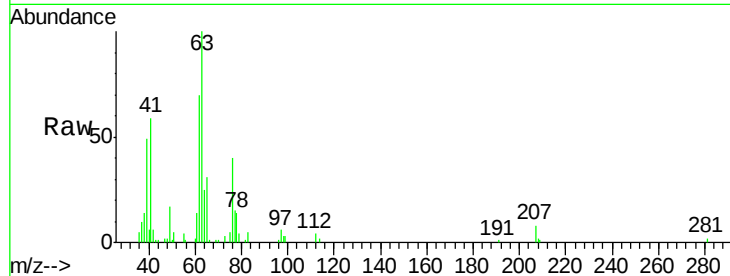
63 100

65 30.7 24.4 36.6

Manual Integrations
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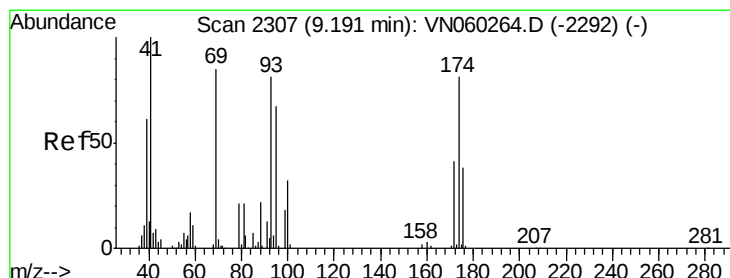
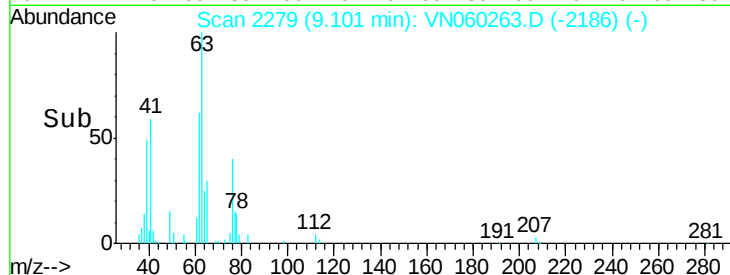
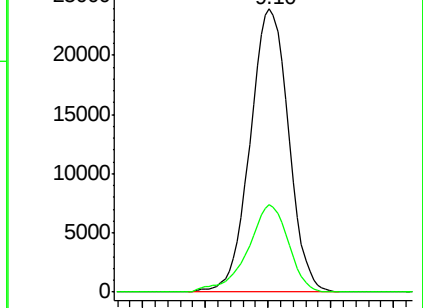
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Abundance Ion 62.90 (62.60 to 63.60): VN060263.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060263.D (-2186) (-)



#46

Dibromomethane

Concen: 18.133 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

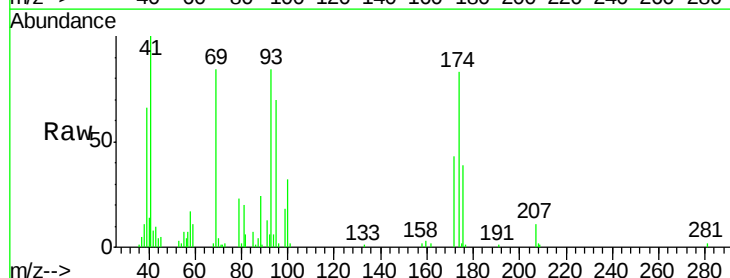
Tgt Ion: 93 Resp: 31786

Ion Ratio Lower Upper

93 100

95 84.5 65.9 98.9

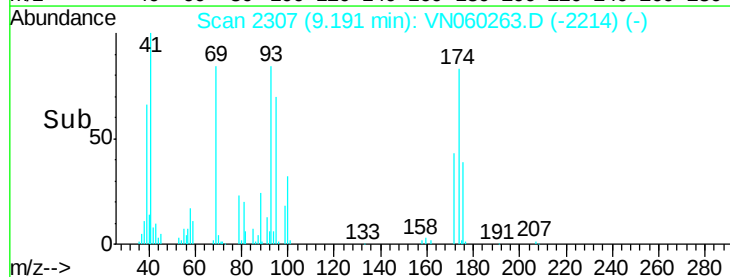
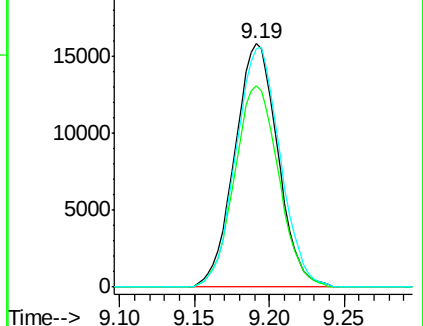
174 100.8 79.6 119.4

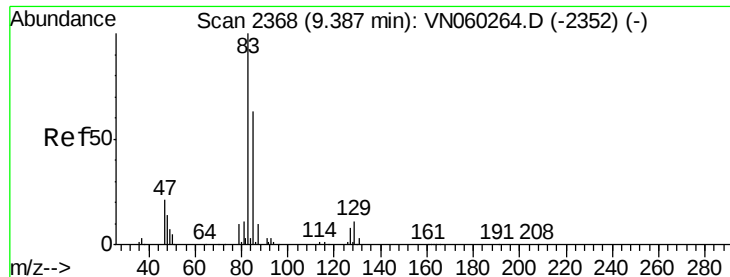


Abundance Ion 92.80 (92.50 to 93.50): VN060263.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN060263.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN060263.D (-2214) (-)





#47

Bromodichloromethane

Concen: 18.507 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

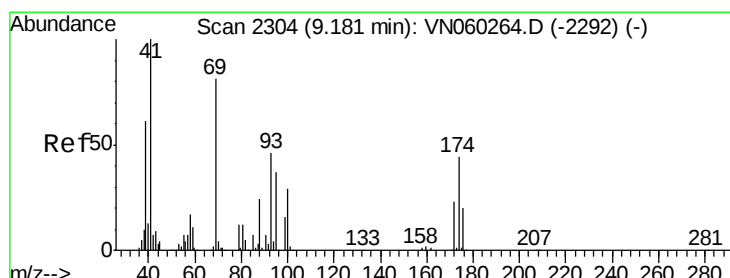
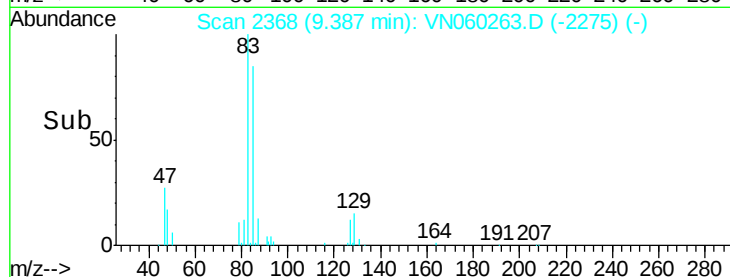
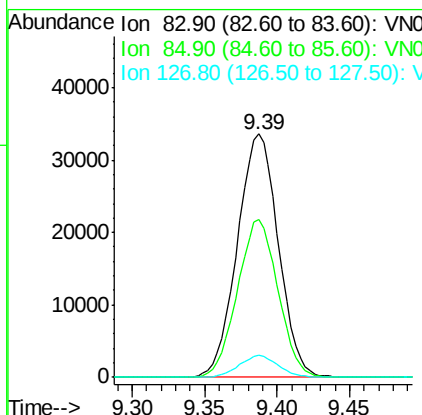
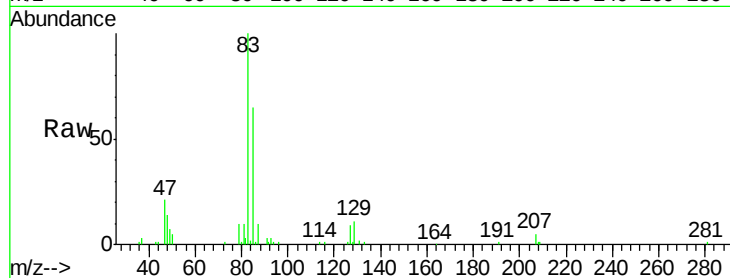
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	66150
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	9.0	6.8	10.2

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#48

Methyl methacrylate

Concen: 19.718 ug/l

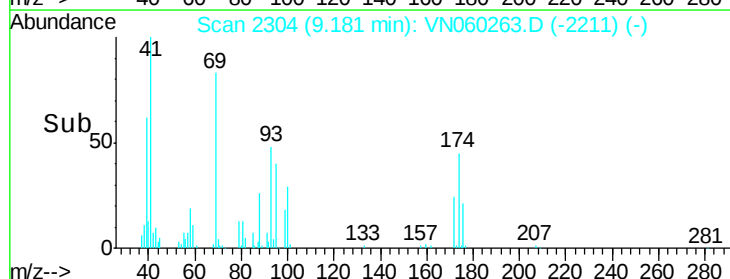
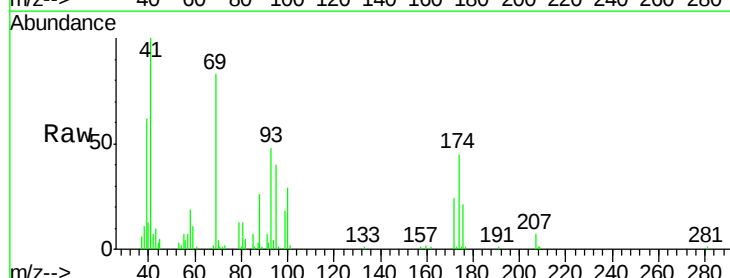
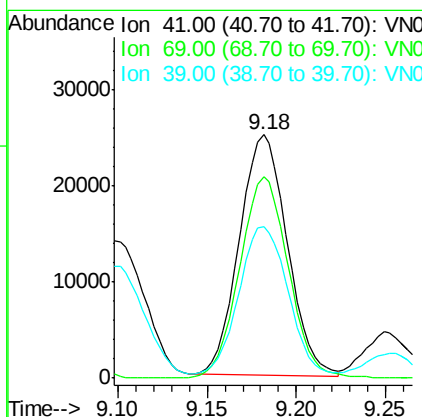
RT: 9.18 min Scan# 2304

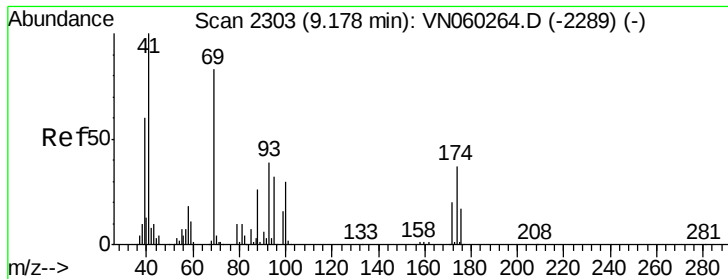
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	41	Resp:	47187
Ion	Ratio	Lower	Upper
41	100		
69	84.9	66.7	100.1
39	66.2	50.1	75.1





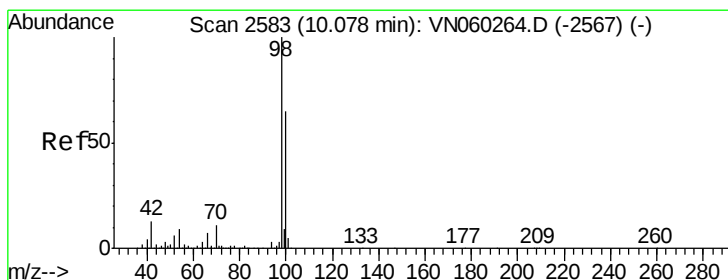
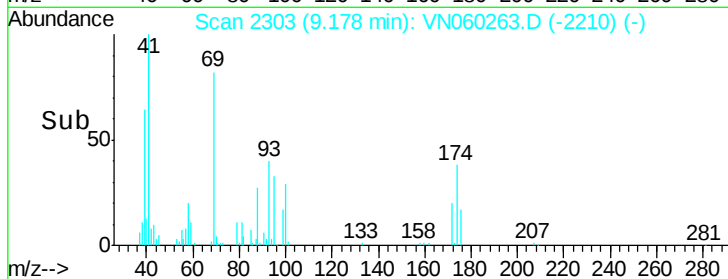
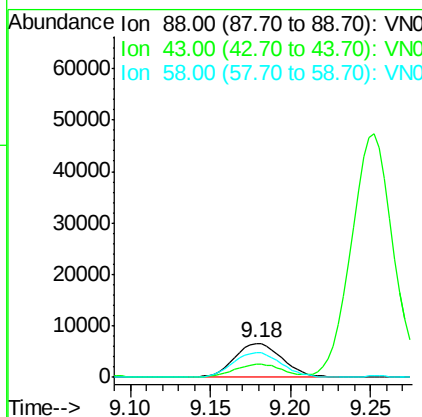
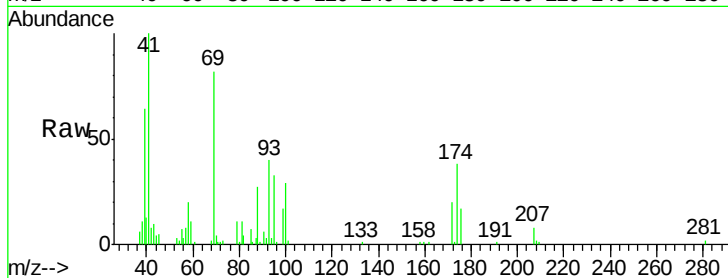
#49
1,4-Dioxane
Concen: 351.153 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.6	30.4	45.6
58	73.3	57.0	85.6

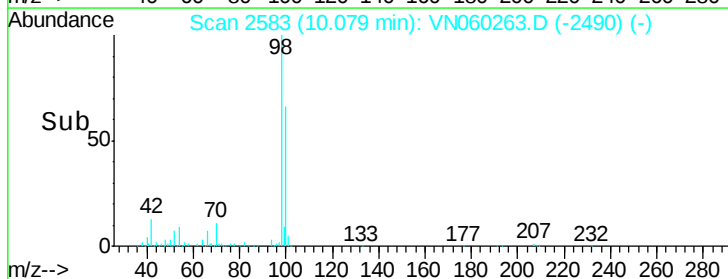
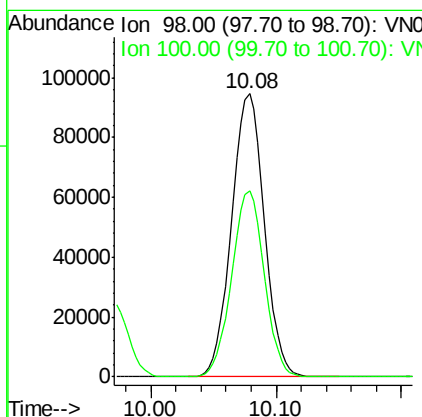
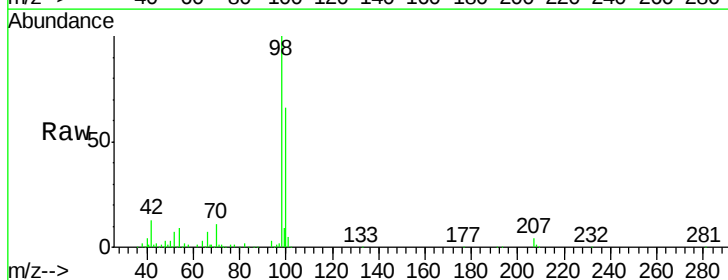
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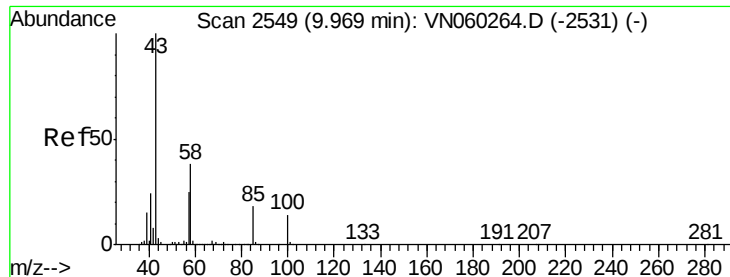
MMDadoda
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#50
Toluene-d8
Concen: 19.689 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 101.270 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 311325

Ion Ratio Lower Upper

43 100

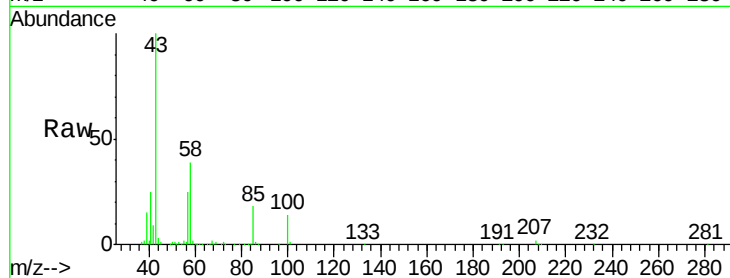
58 39.0 30.9 46.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

200000

150000

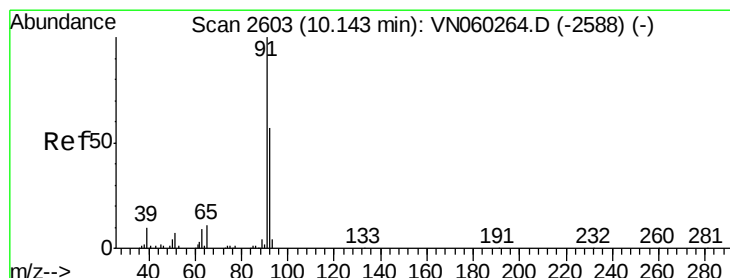
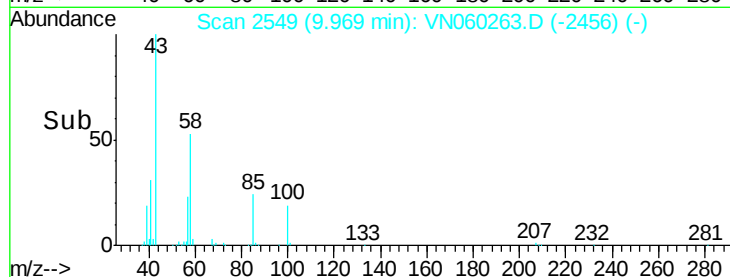
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 18.198 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060263.D

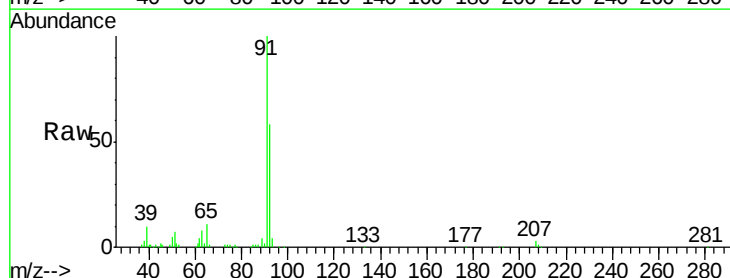
Acq: 27 Feb 2020 11:06

Tgt Ion: 92 Resp: 117187

Ion Ratio Lower Upper

92 100

91 173.5 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

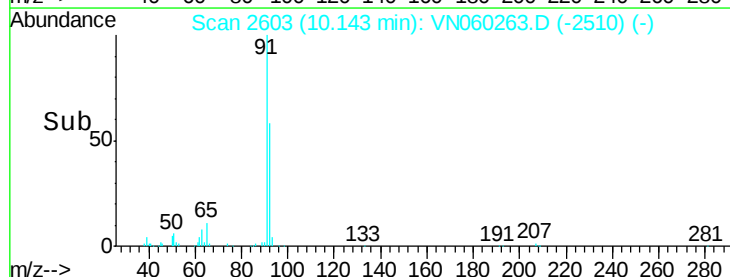
100000

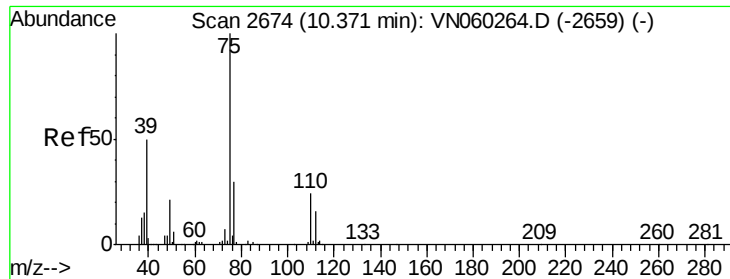
50000

0

10.05 10.10 10.14 10.20

Time-->





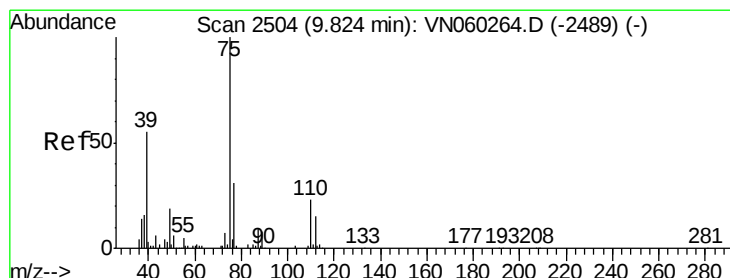
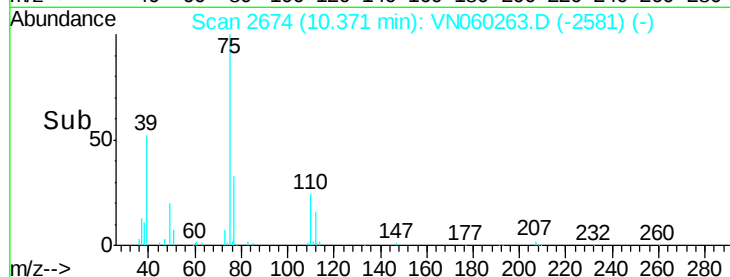
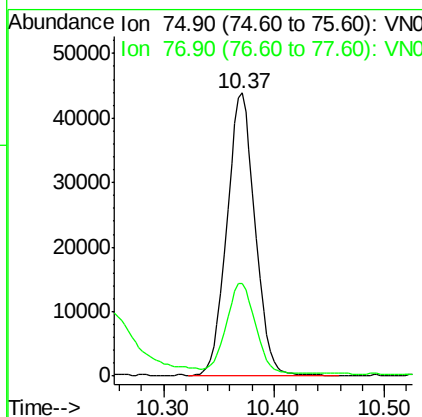
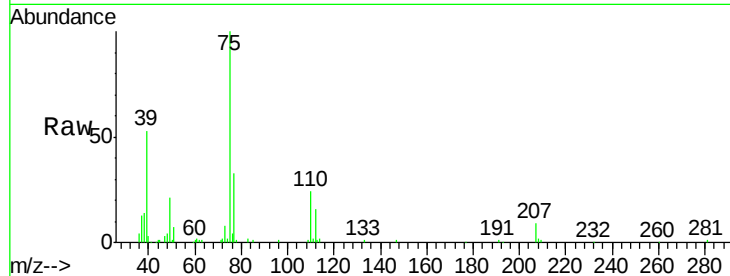
#53
t-1,3-Dichloropropene
Concen: 19.216 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 77964
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2

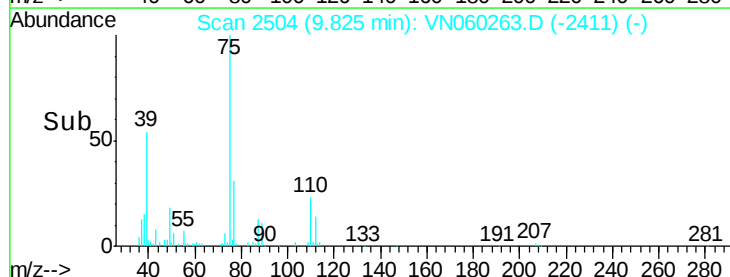
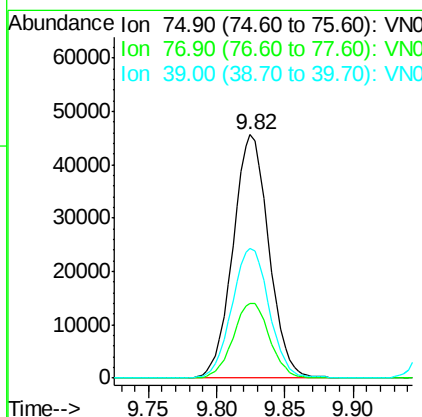
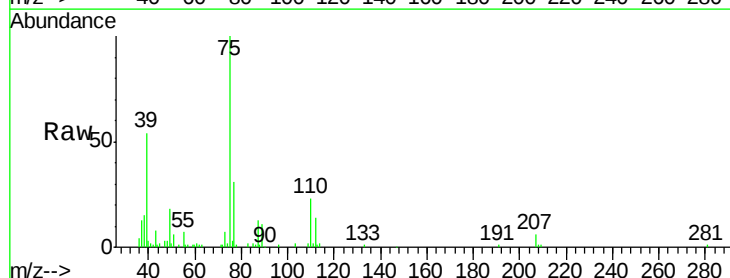
Manual Integrations
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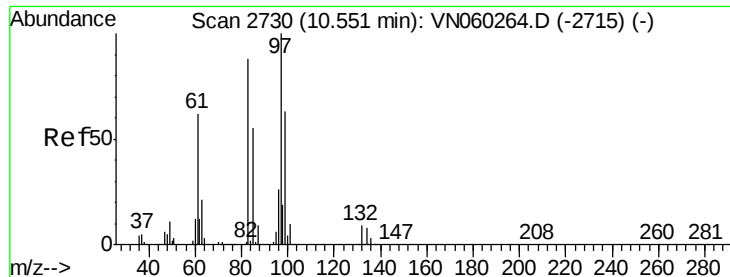
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#54
cis-1,3-Dichloropropene
Concen: 19.516 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion: 75 Resp: 83457
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 53.5 43.8 65.8





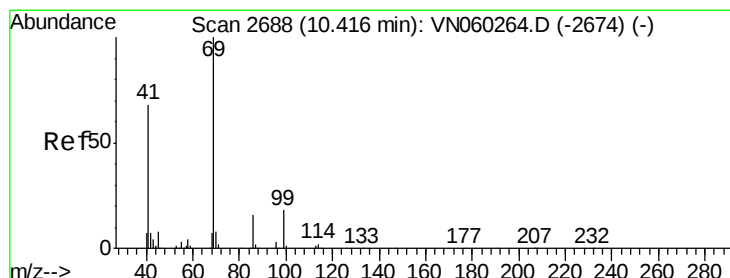
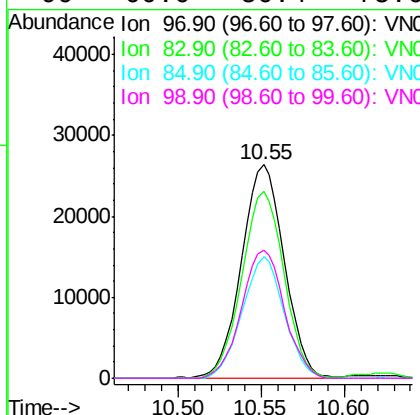
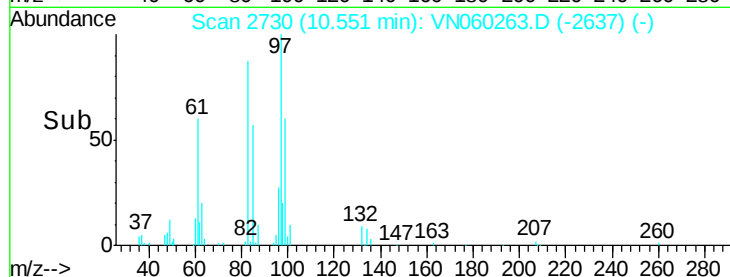
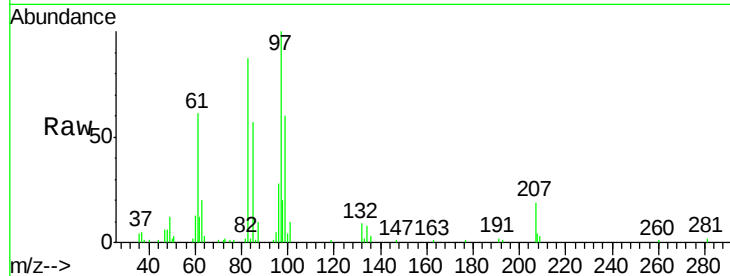
#55
 1,1,2-Trichloroethane
 Concen: 18.844 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	47361
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.0	105.0
85	56.9	44.0	66.0
99	60.0	50.4	75.6

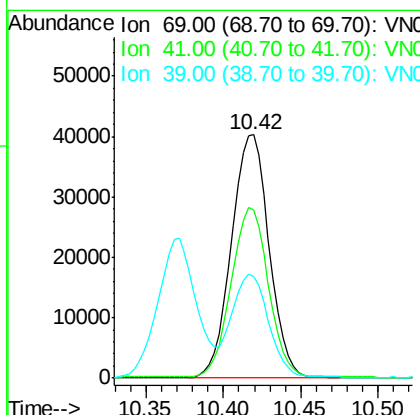
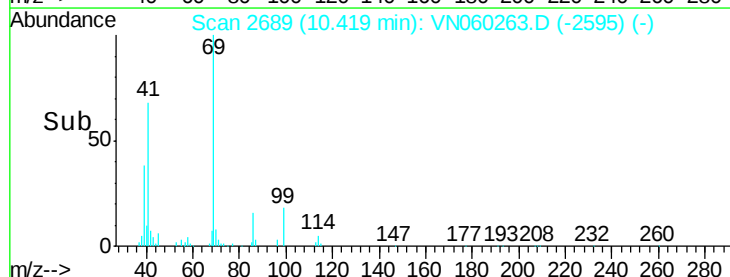
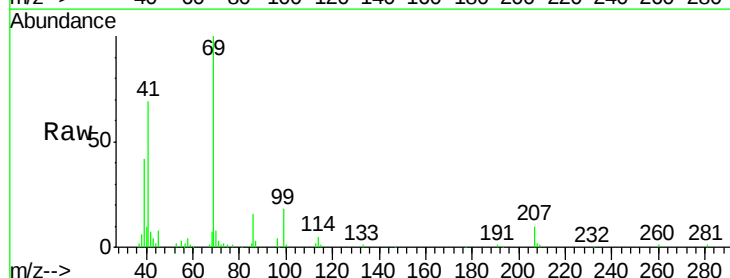
Manual Integrations
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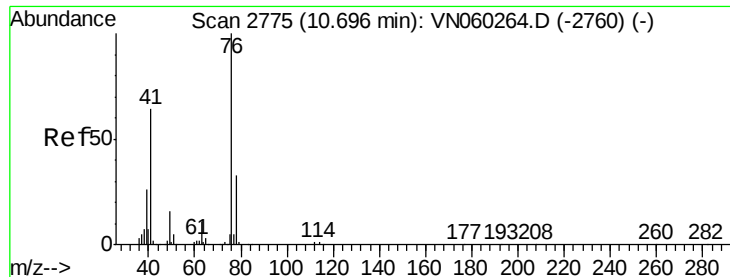
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#56
 Ethyl methacrylate
 Concen: 19.007 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Tgt Ion:	69	Resp:	68120
Ion	Ratio	Lower	Upper
69	100		
41	68.6	54.1	81.1
39	43.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 18.999 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 79263

Ion Ratio Lower Upper

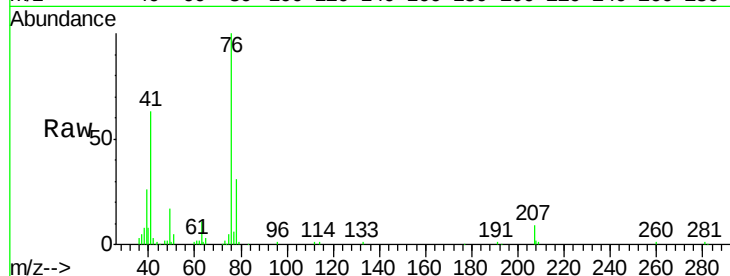
76 100

78 32.1 26.2 39.2

Manual Integrations
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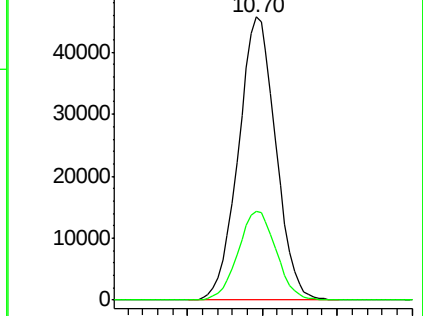
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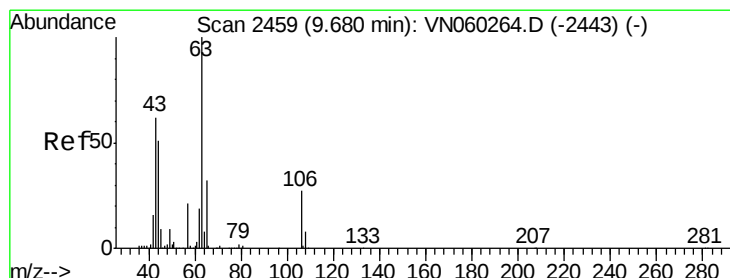
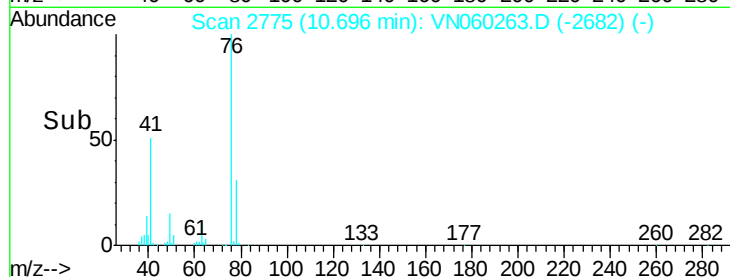


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.759 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060263.D

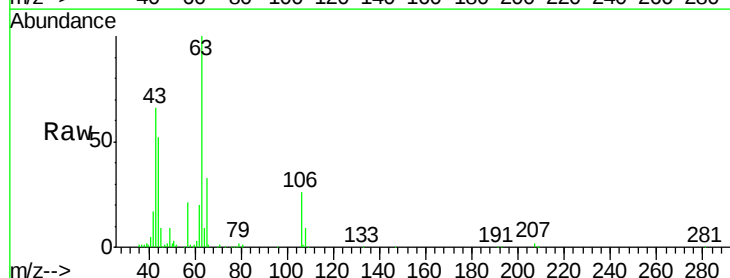
Acq: 27 Feb 2020 11:06

Tgt Ion: 63 Resp: 174229

Ion Ratio Lower Upper

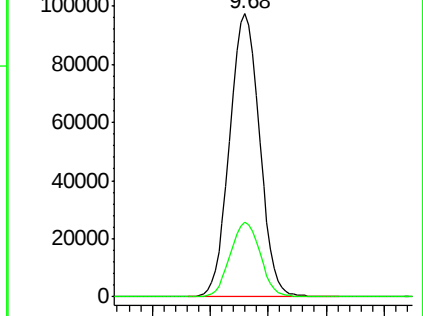
63 100

106 26.5 21.1 31.7

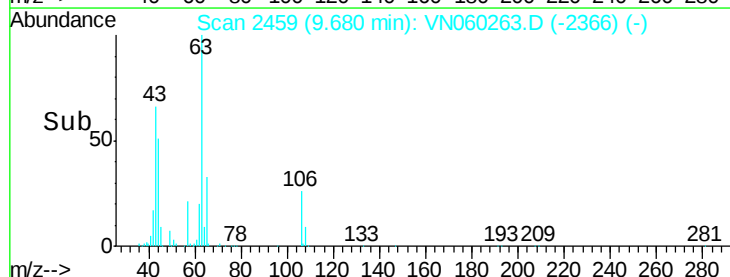


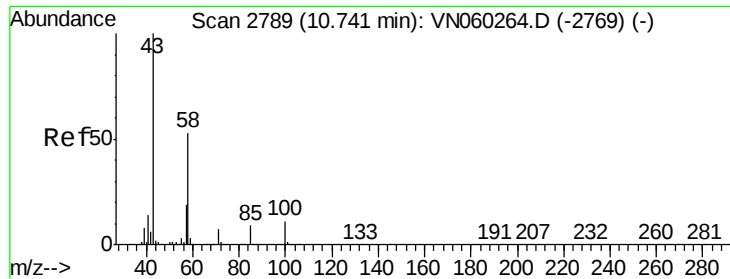
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->





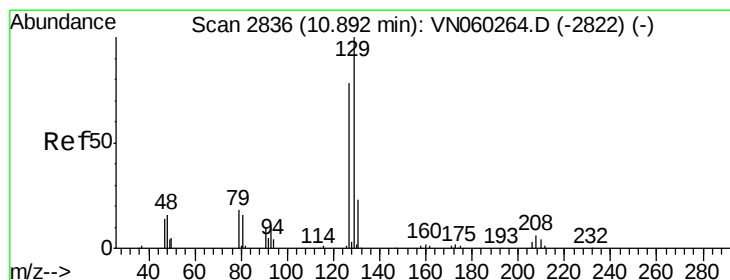
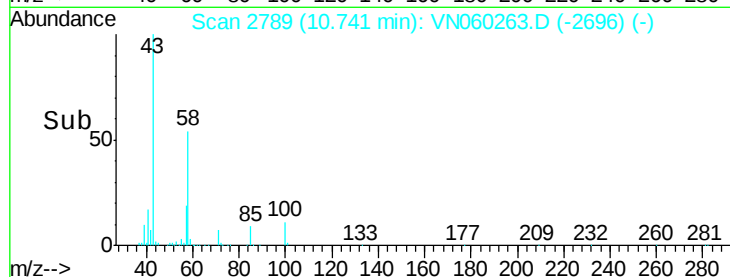
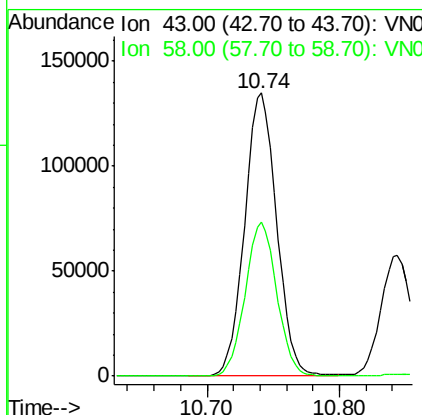
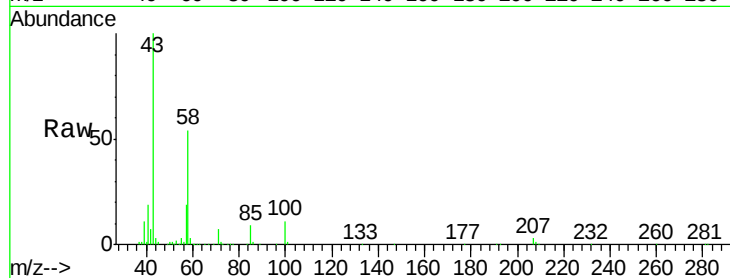
#59
2-Hexanone
Concen: 96.723 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.5	79.5

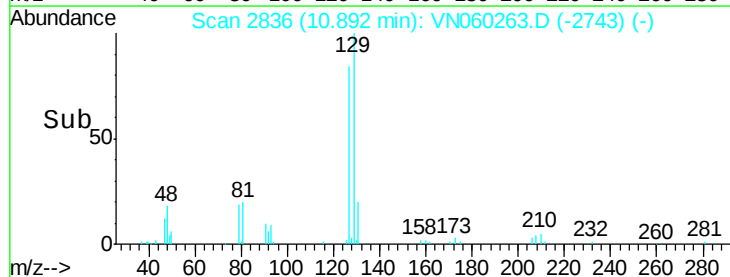
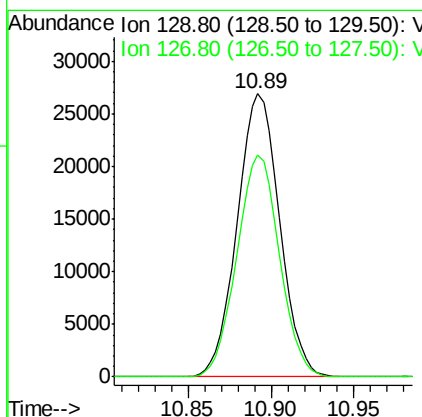
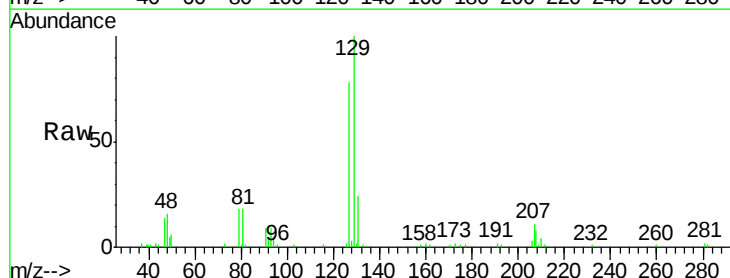
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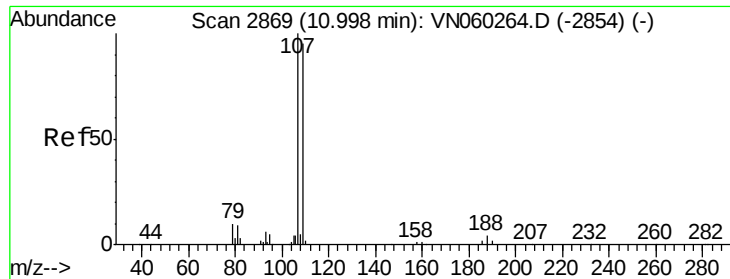
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#60
Dibromochloromethane
Concen: 16.889 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.7





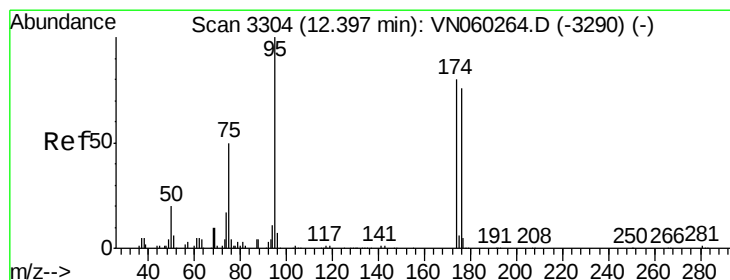
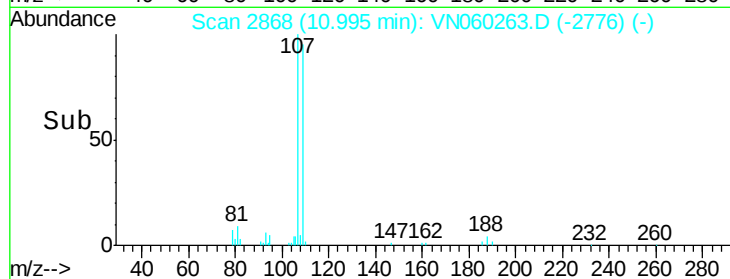
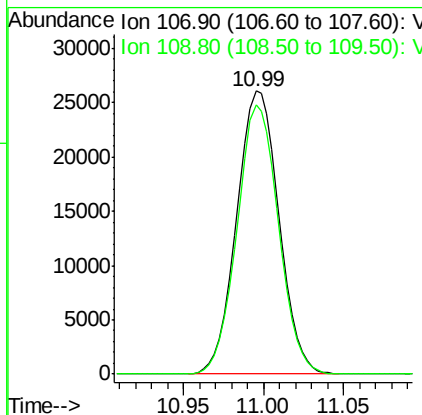
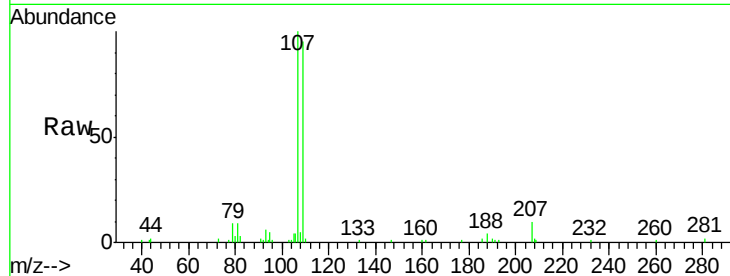
#61
 1,2-Dibromoethane
 Concen: 17.958 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 46949
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.8 115.2

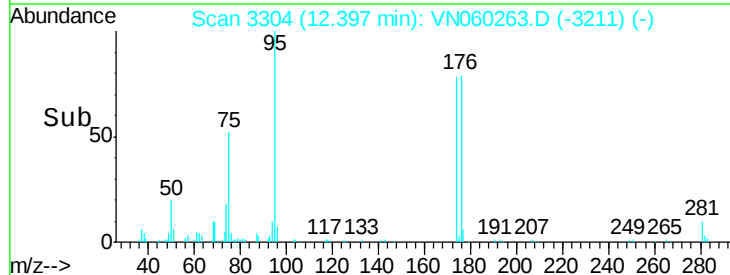
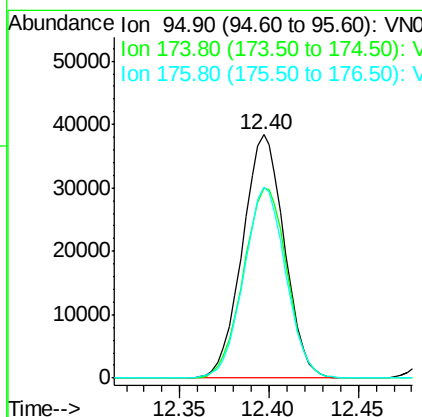
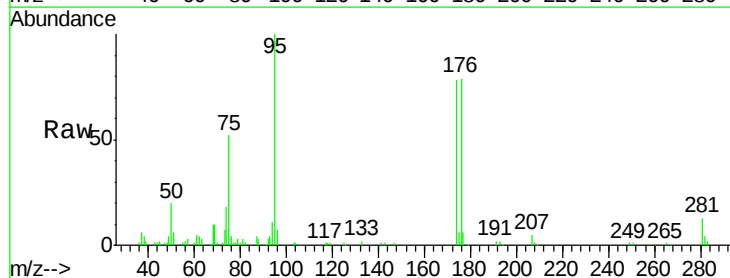
Manual Integrations
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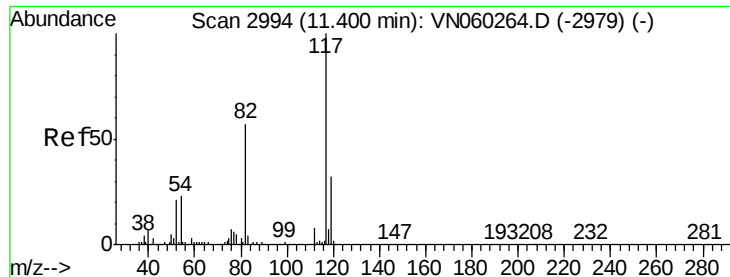
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#62
 4-Bromofluorobenzene
 Concen: 19.504 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Tgt Ion: 95 Resp: 62976
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 159.2
 176 78.7 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

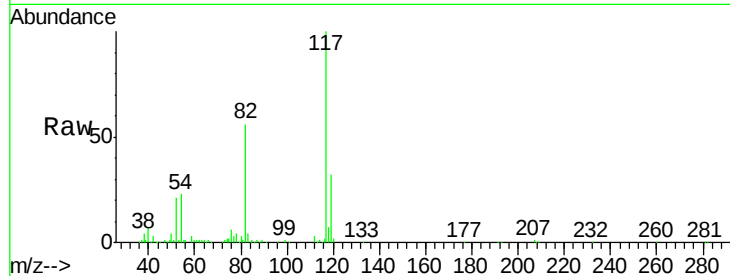
ClientSampled :

VSTDIC020

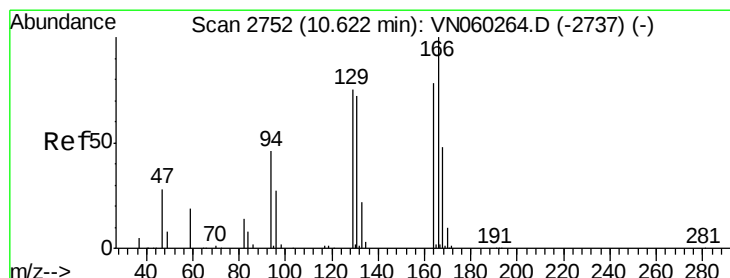
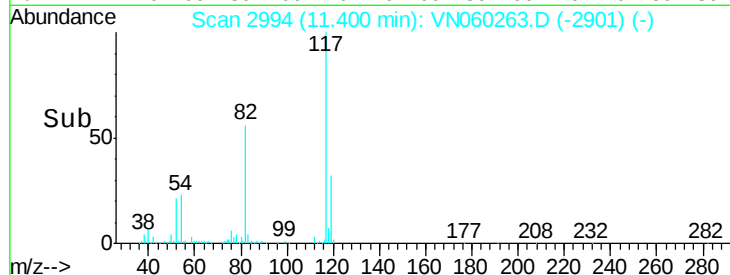
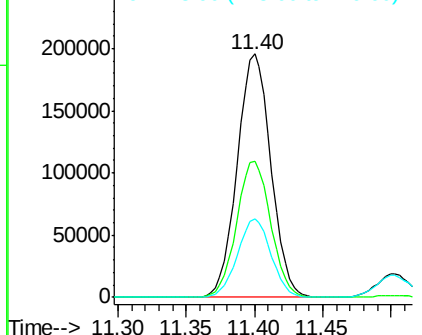
Tot Ion:	117	Resp:	335269
Ion Ratio	Lower	Upper	
117	100		
82	55.7	45.8	68.6
119	32.1	25.8	38.8

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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.719 ug/l

RT: 10.62 min Scan# 2752

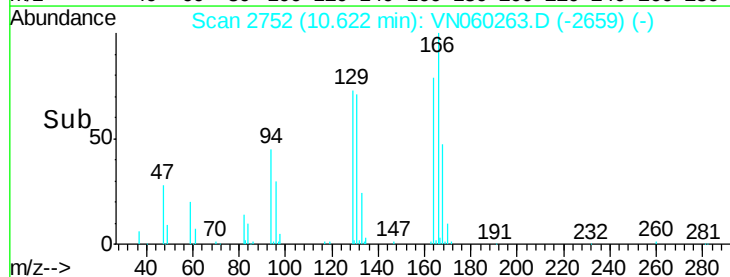
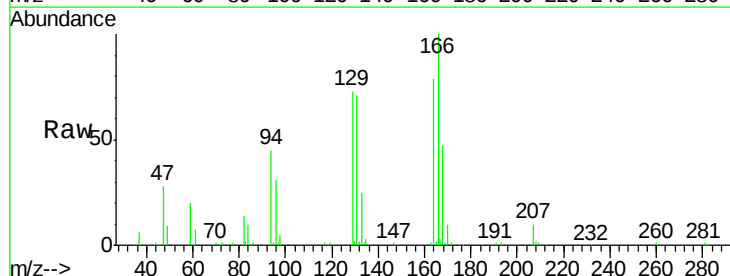
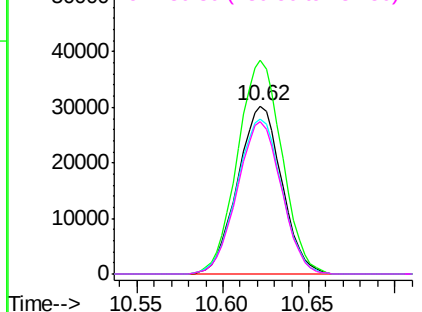
Delta R.T. 0.00 min

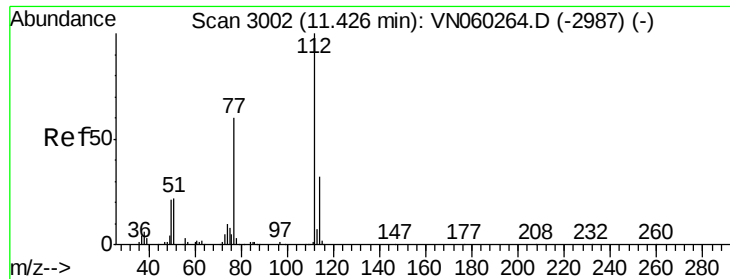
Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	164	Resp:	53697
Ion Ratio	Lower	Upper	
164	100		
166	127.0	102.0	153.0
129	92.4	76.4	114.6
131	90.4	73.6	110.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.218 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 123805

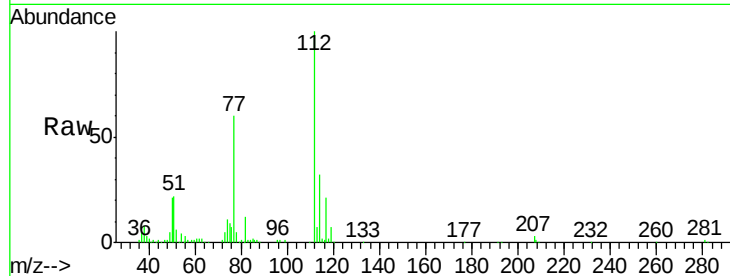
Ion Ratio Lower Upper

112 100

114 31.8 25.4 38.0

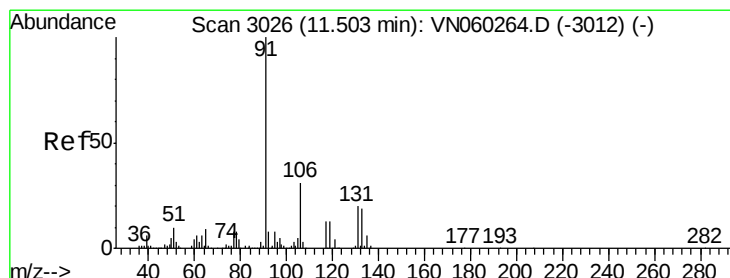
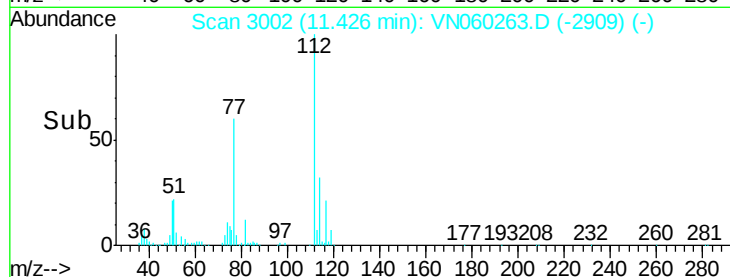
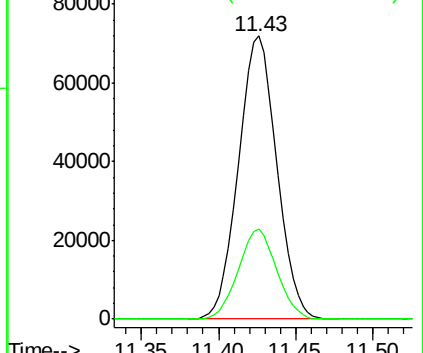
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.264 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

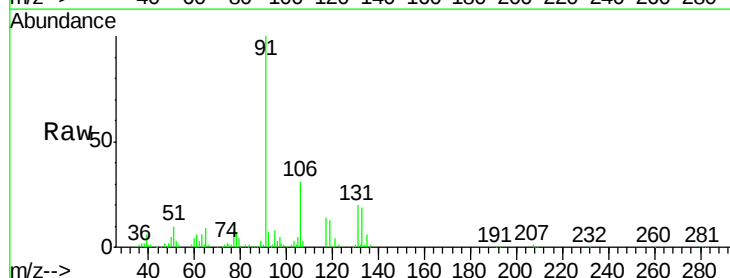
Tgt Ion:131 Resp: 46850

Ion Ratio Lower Upper

131 100

133 95.5 47.7 143.1

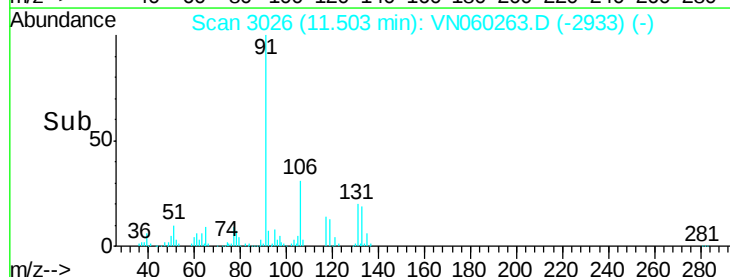
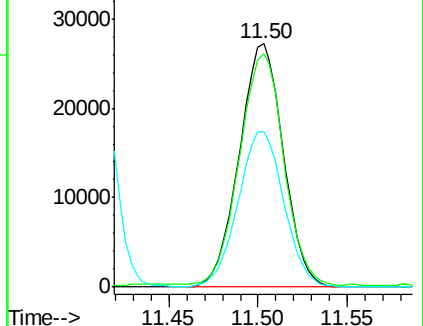
119 66.3 33.2 99.6

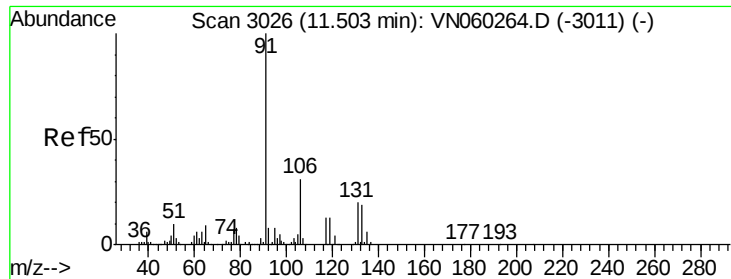


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





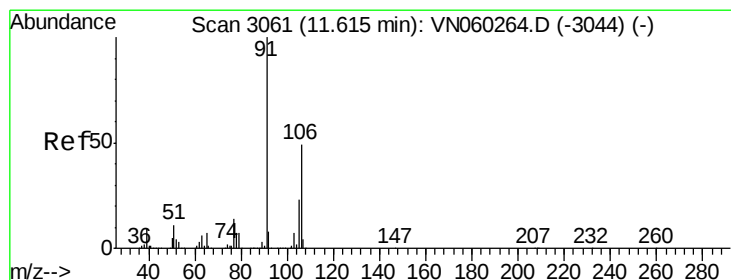
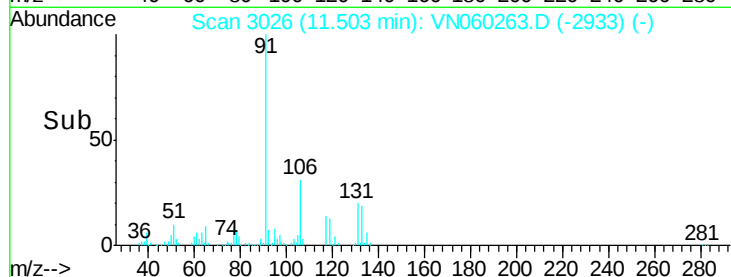
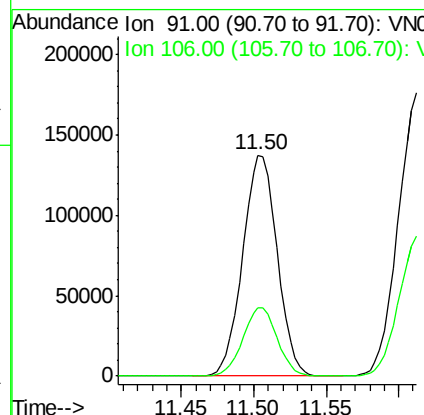
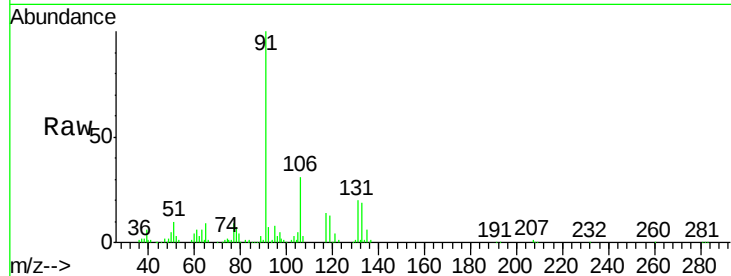
#67
Ethyl Benzene
Concen: 18.519 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 227789
Ion Ratio Lower Upper
91 100
106 31.1 24.7 37.1

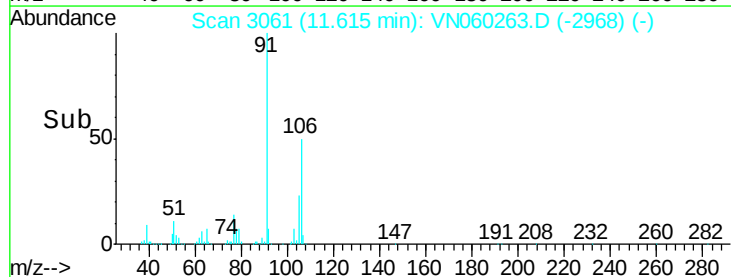
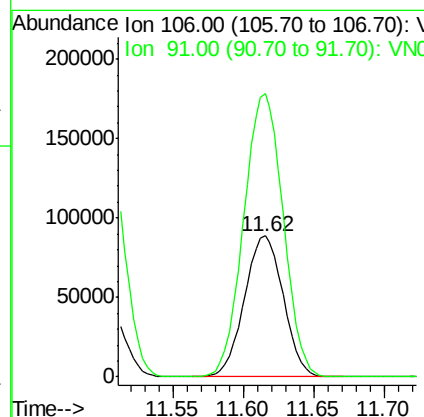
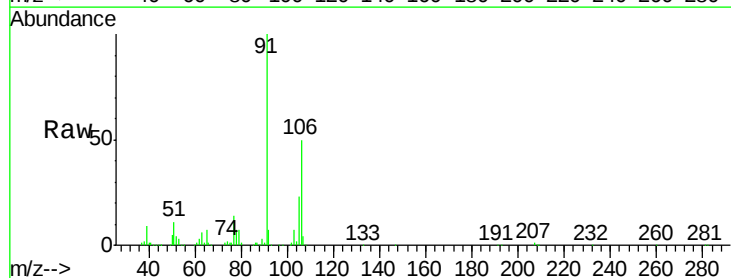
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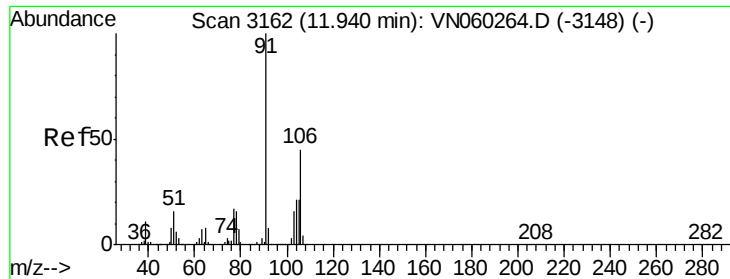
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#68
m/p-Xylenes
Concen: 37.175 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion: 106 Resp: 171192
Ion Ratio Lower Upper
106 100
91 203.8 164.5 246.7





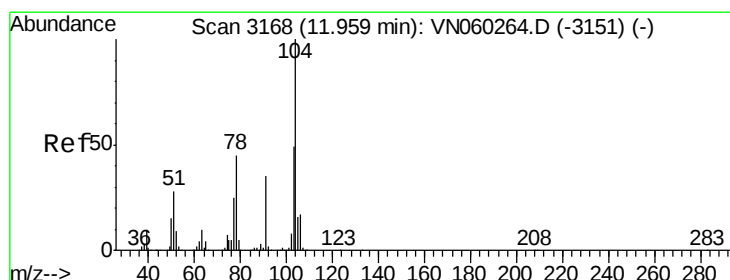
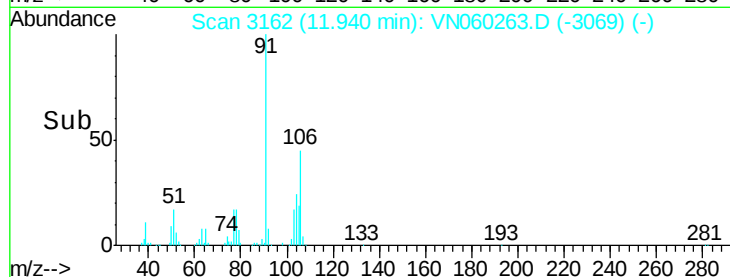
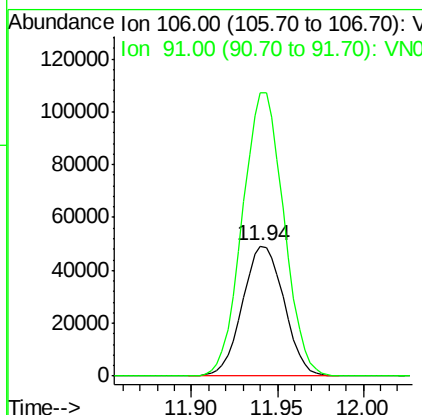
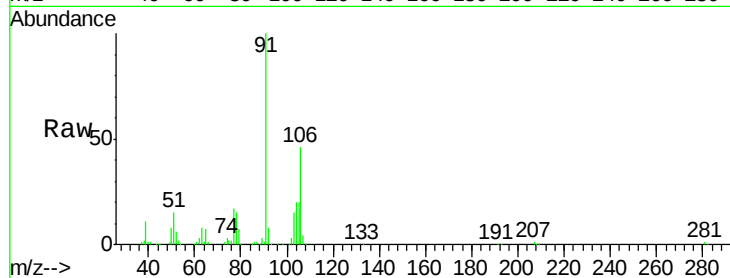
#69
o-Xylene
Concen: 18.665 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 82746
Ion Ratio Lower Upper
106 100
91 216.9 109.5 328.4

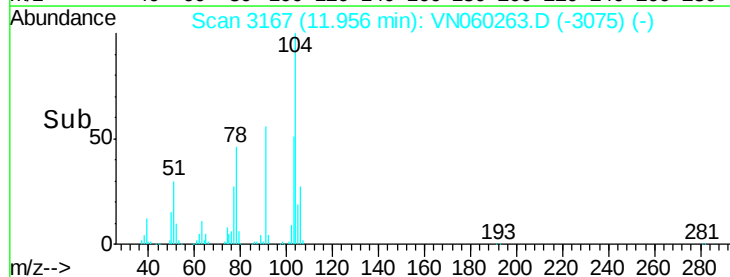
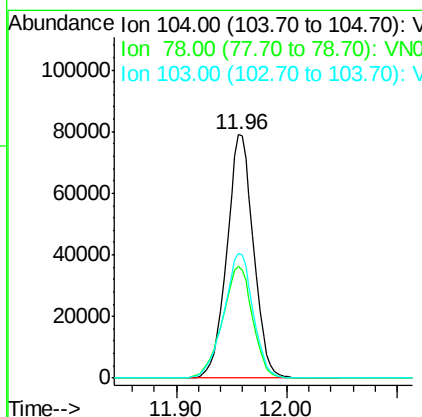
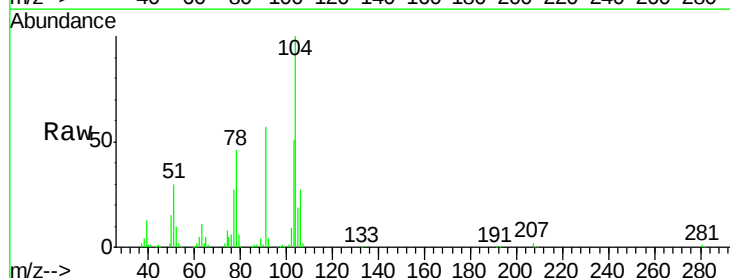
Manual Integrations
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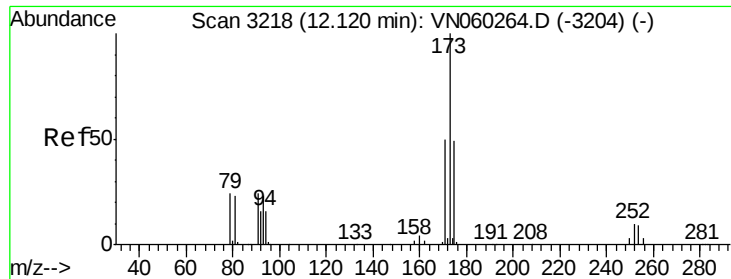
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#70
Styrene
Concen: 18.478 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion:104 Resp: 132287
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 56.4 43.9 65.9





#71

Bromoform

Concen: 16.286 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 33176

Ion Ratio Lower Upper

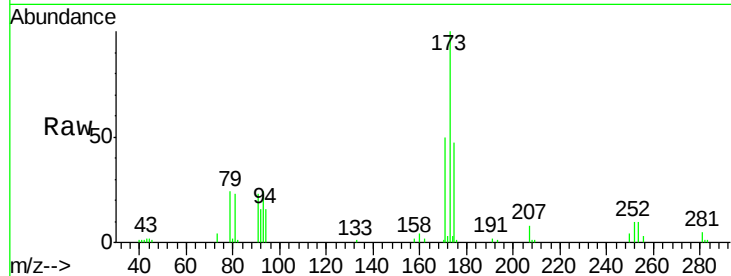
173 100

175 47.6 24.1 72.2

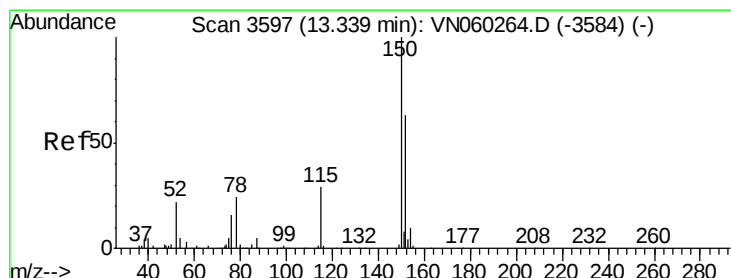
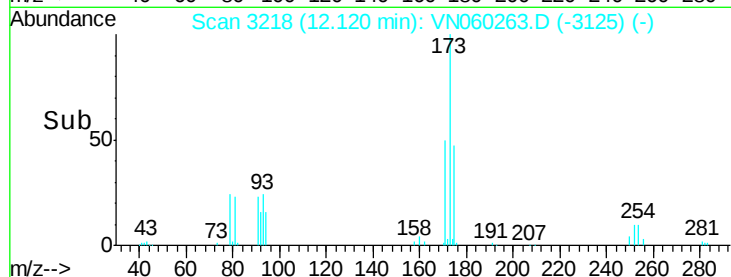
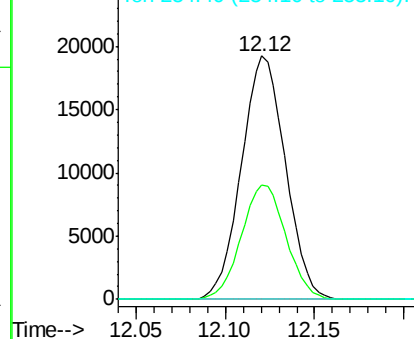
254 0.0 0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

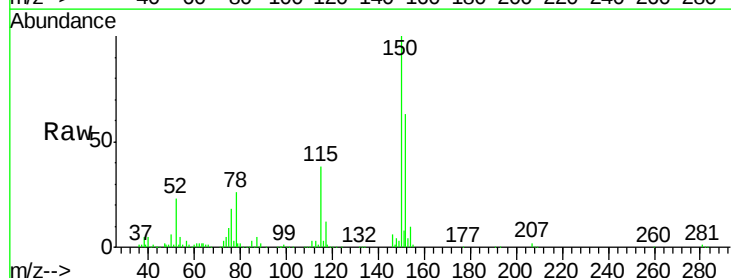
Tgt Ion:152 Resp: 160494

Ion Ratio Lower Upper

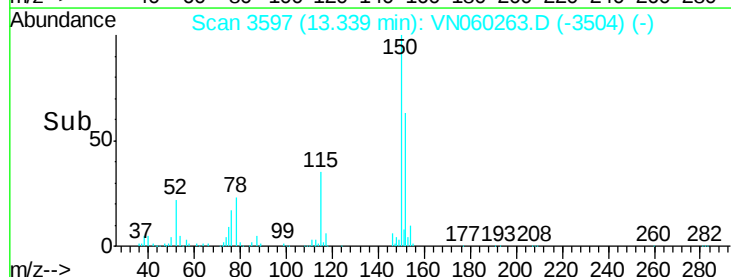
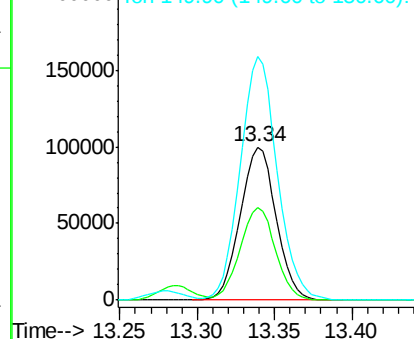
152 100

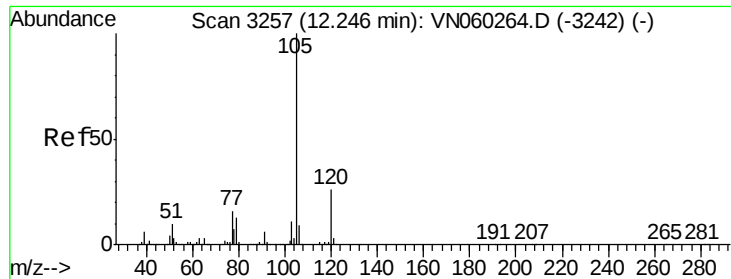
115 60.2 30.0 90.0

150 164.4 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.609 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 223395

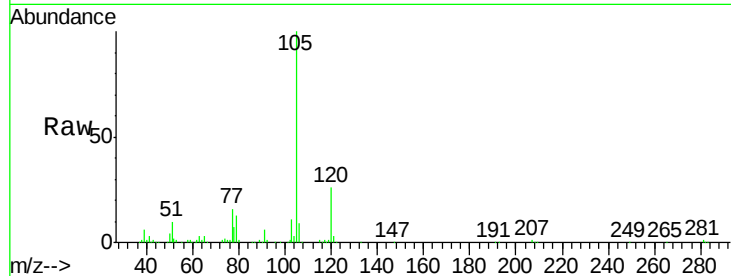
Ion Ratio Lower Upper

105 100

120 25.7 13.0 38.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

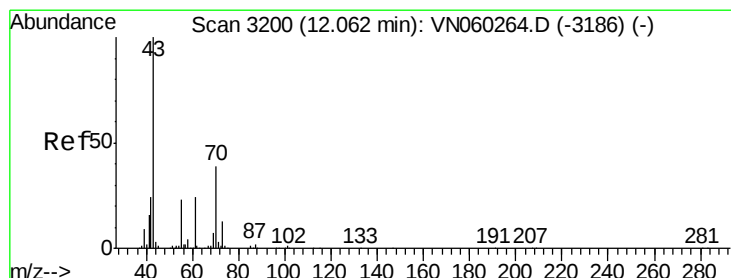
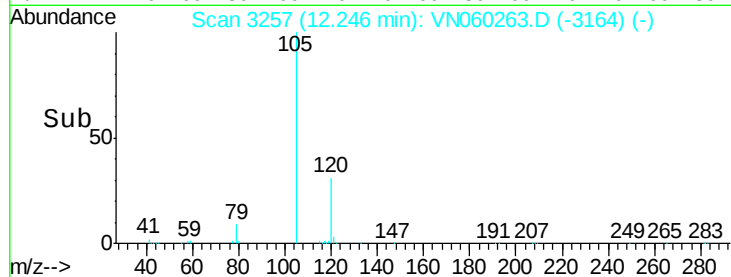
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 21.491 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion: 43 Resp: 94985

Ion Ratio Lower Upper

43 100

70 39.4 32.2 48.2

55 23.4 18.2 27.4

61 23.9 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

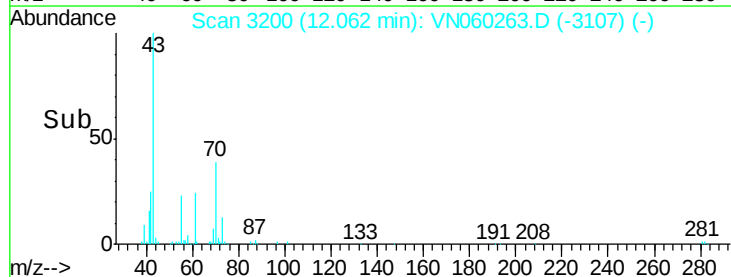
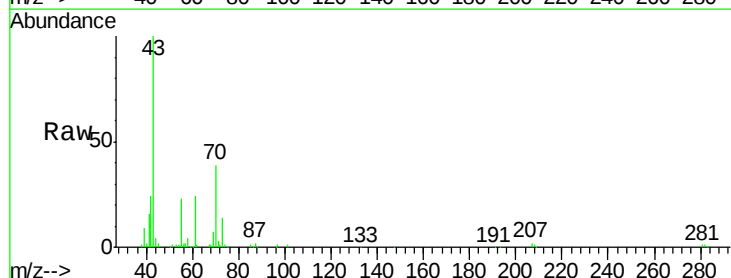
40000

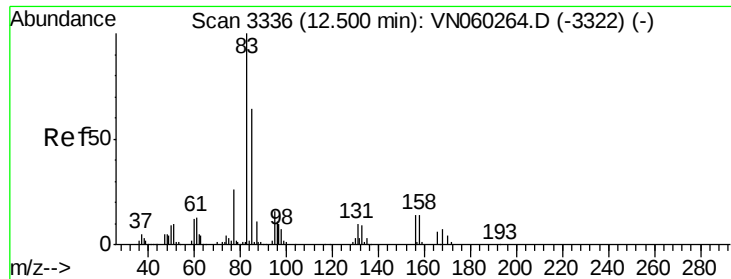
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.185 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

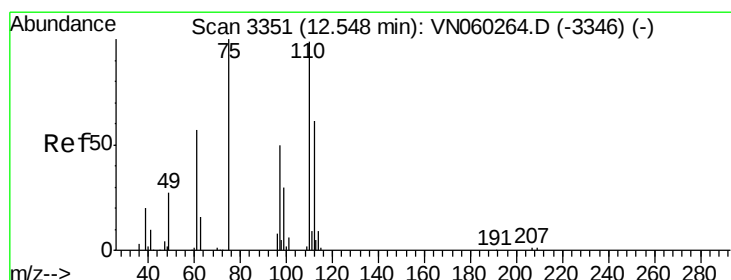
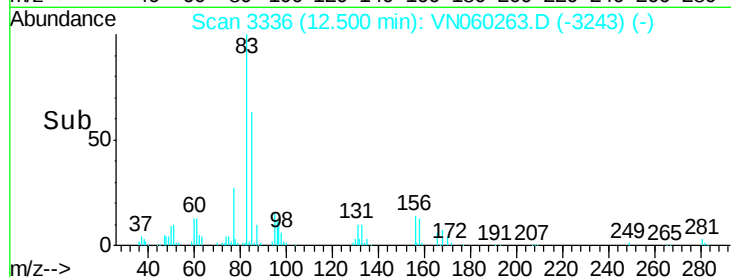
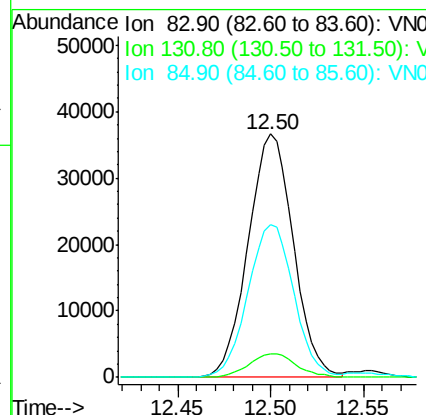
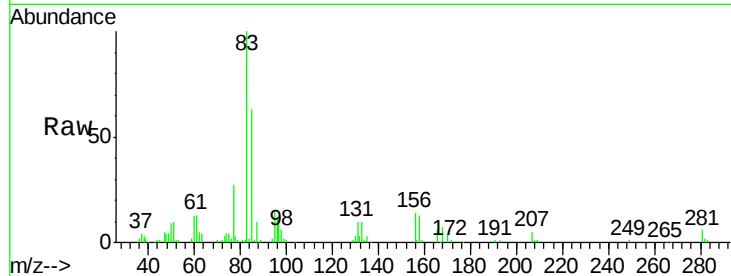
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	62095
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.1	15.3
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.775 ug/l m

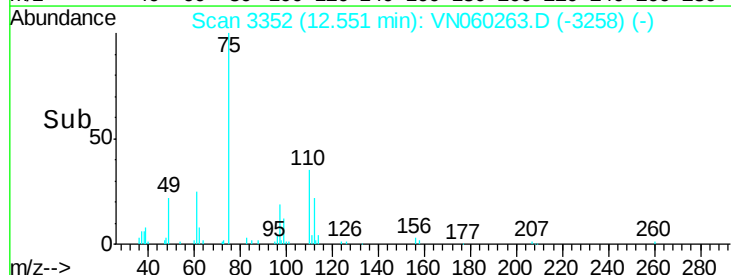
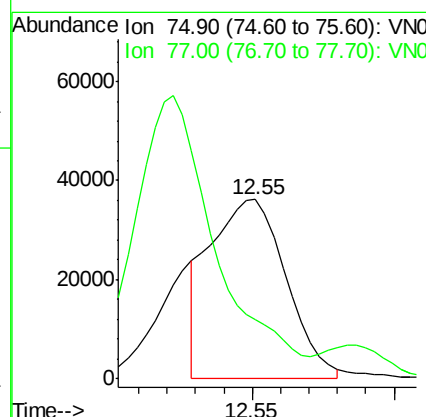
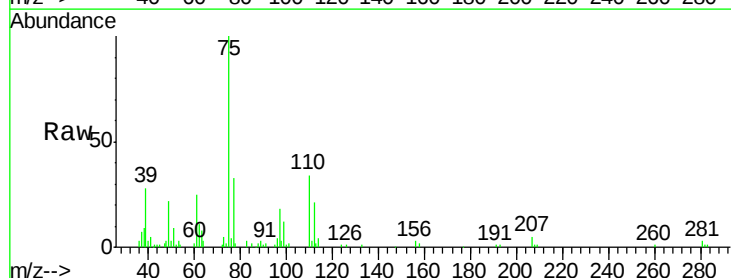
RT: 12.55 min Scan# 3352

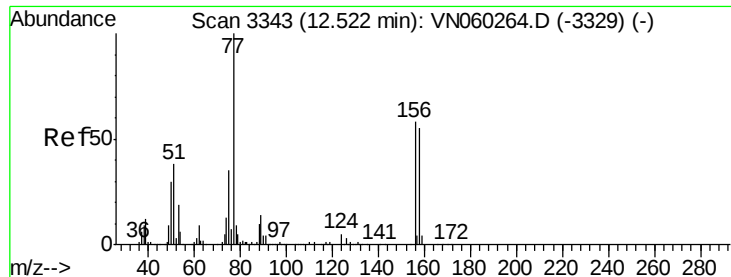
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	75	Resp:	67271
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.152 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

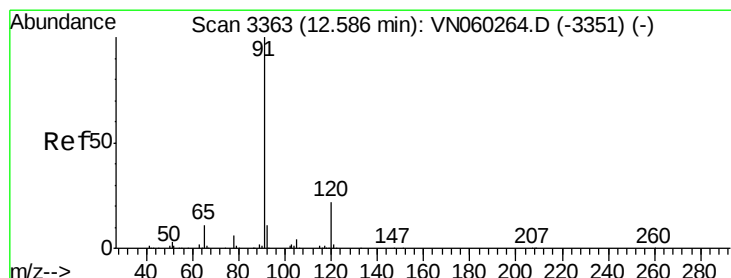
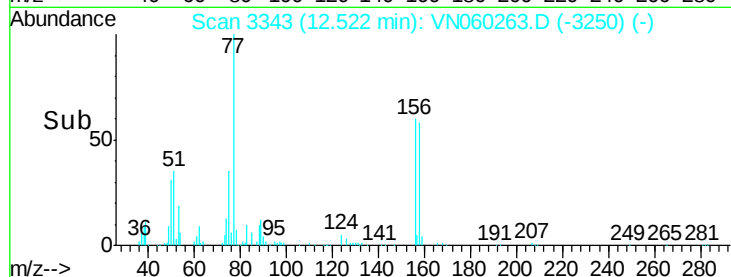
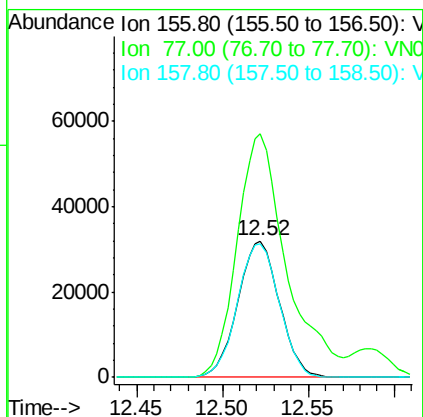
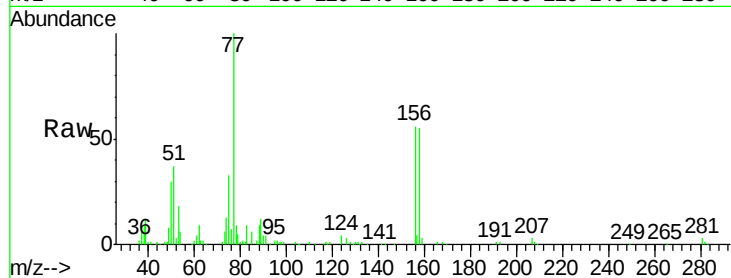
ClientSampled :

VSTDIC020

Tot Ion:	156	Resp:	53800
Ion Ratio	Lower	Upper	
156	100		
77	213.1	106.1	318.3
158	98.8	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.988 ug/l

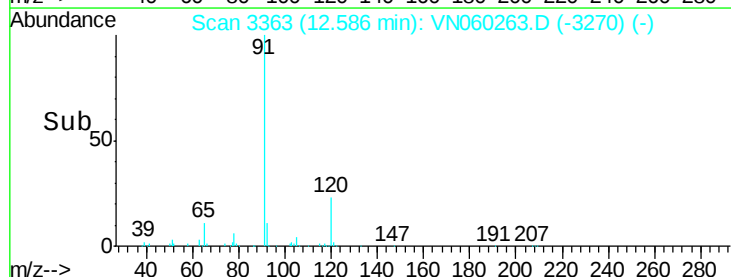
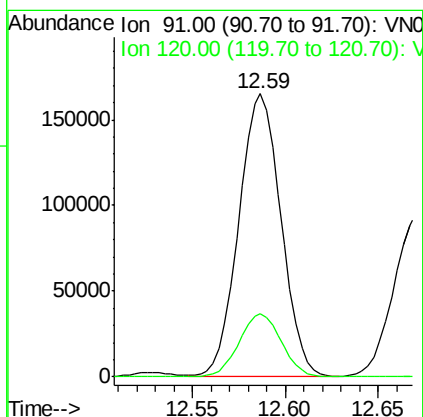
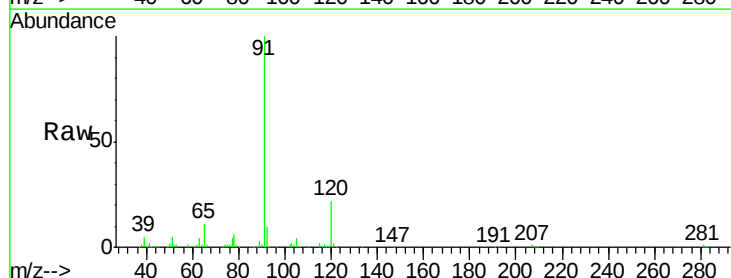
RT: 12.59 min Scan# 3363

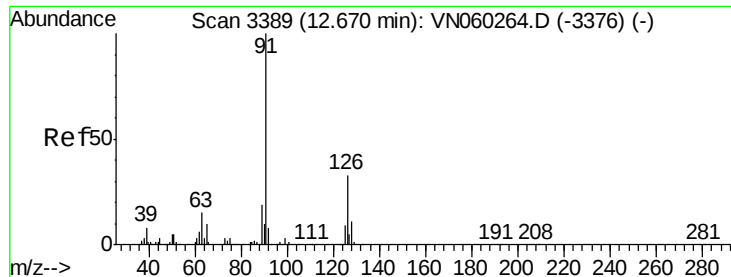
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	91	Resp:	260626
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.927 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 152718

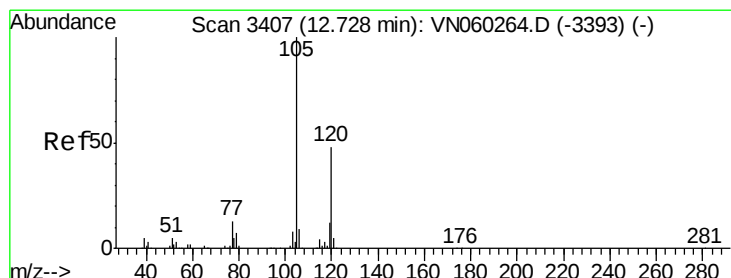
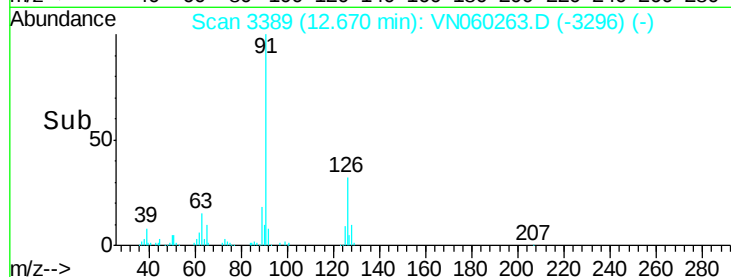
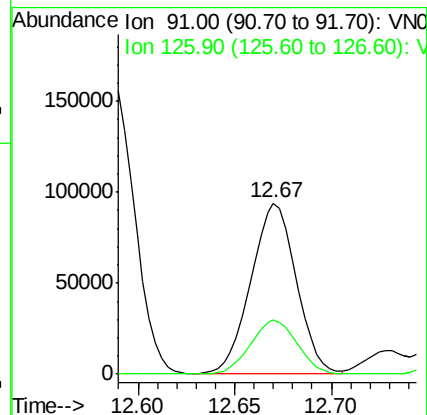
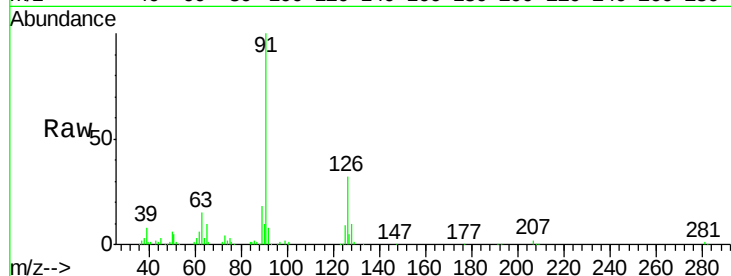
Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.875 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060263.D

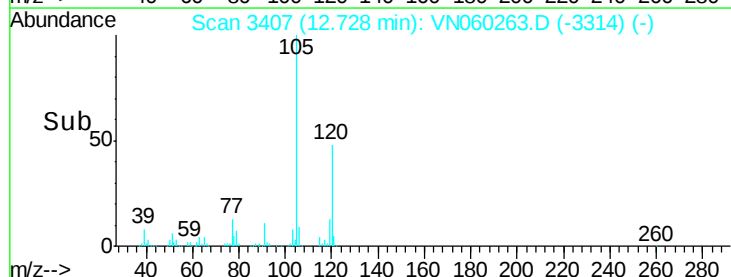
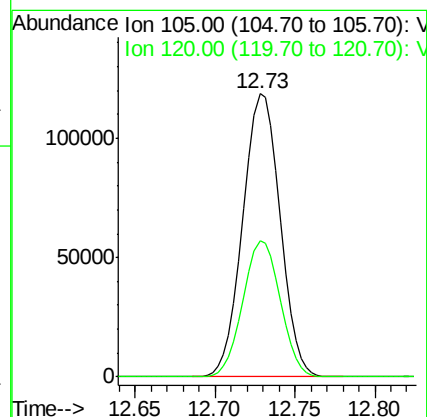
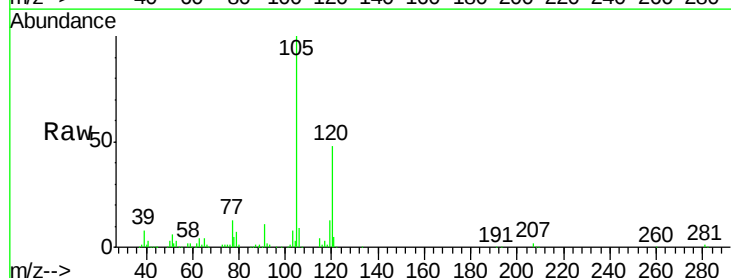
Acq: 27 Feb 2020 11:06

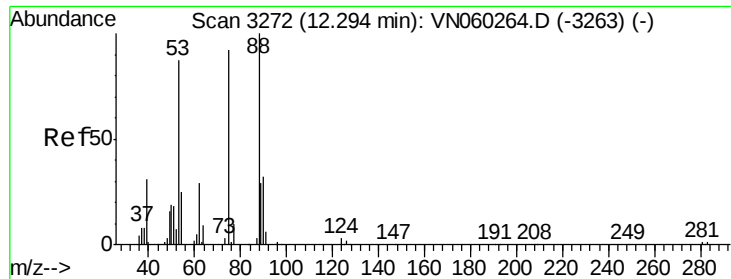
Tgt Ion: 105 Resp: 188627

Ion Ratio Lower Upper

105 100

120 48.2 24.1 72.4





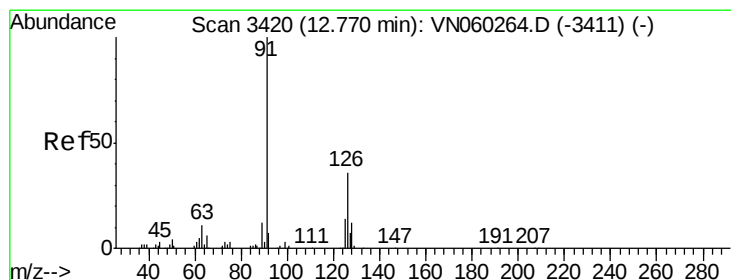
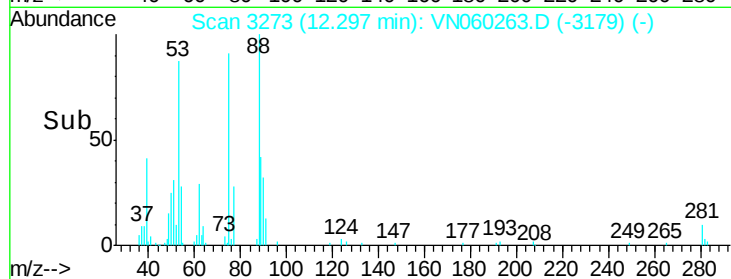
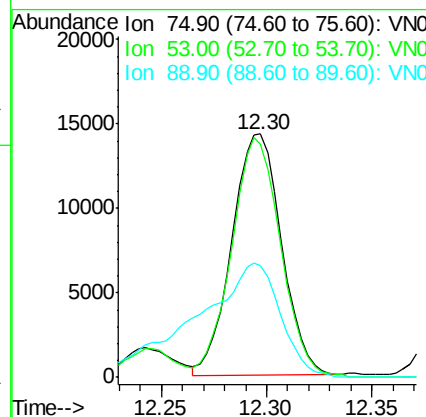
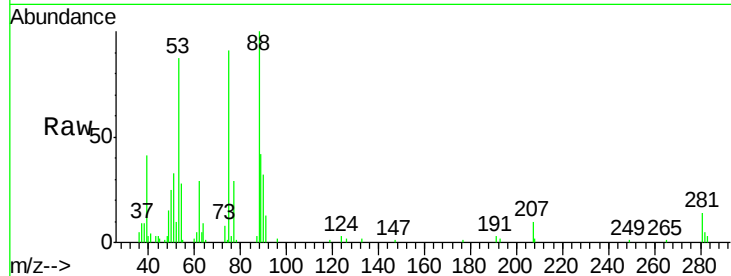
#81
trans-1,4-Dichloro-2-butene
Concen: 18.495 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	73.8	110.6
89	82.2	57.1	85.7

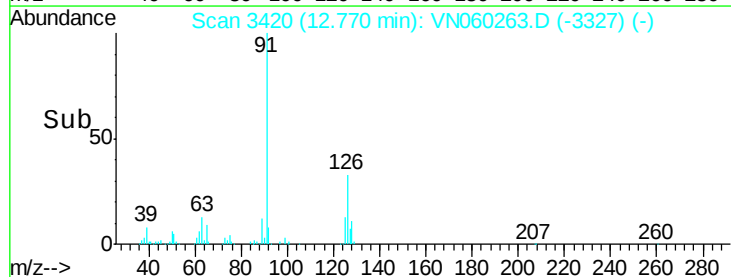
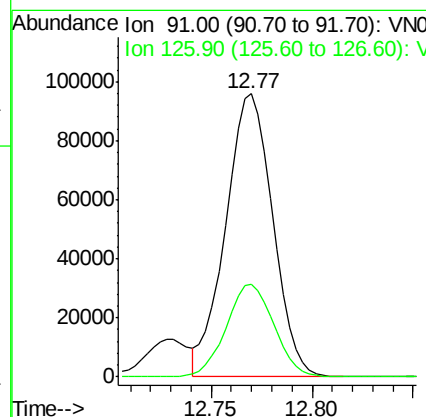
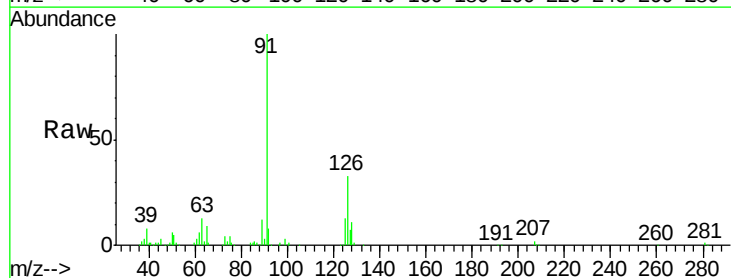
Manual Integrations
APPROVED

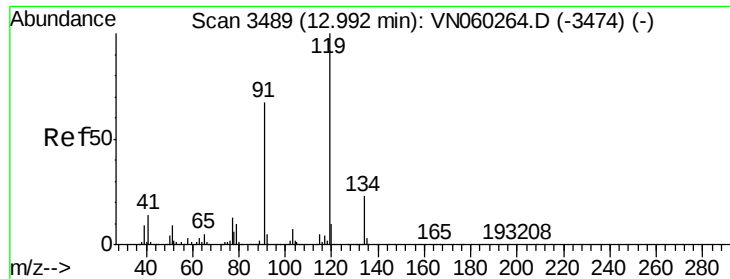
MMDadoda
2/28/2020 12:31:11 PM



#82
4-Chlorotoluene
Concen: 18.846 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1





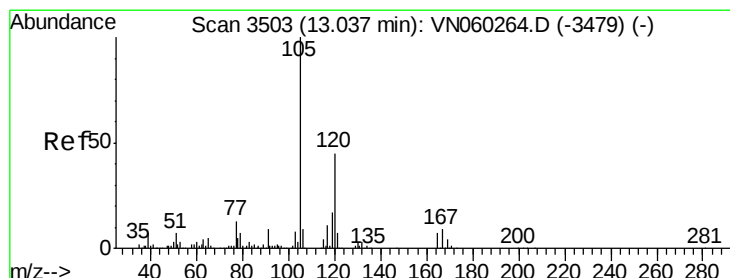
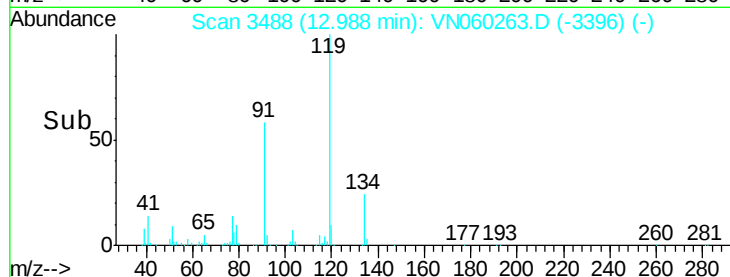
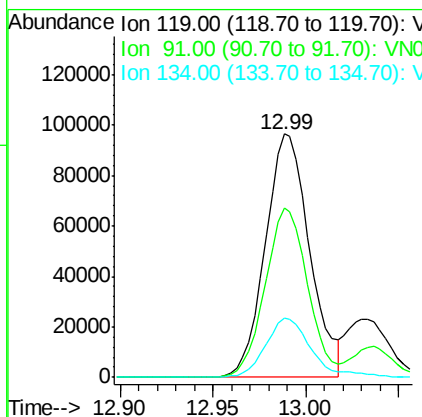
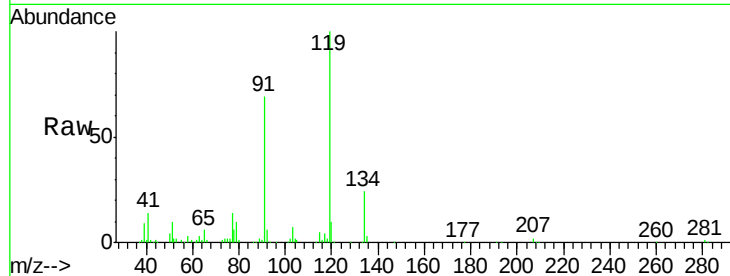
#83
tert-Butylbenzene
Concen: 18.189 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160975		
91	66.8		33.1	99.2
134	25.1		12.4	37.0

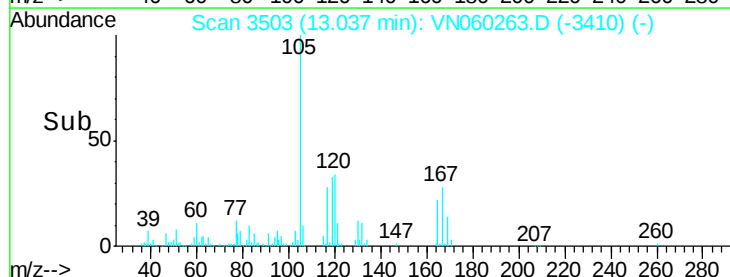
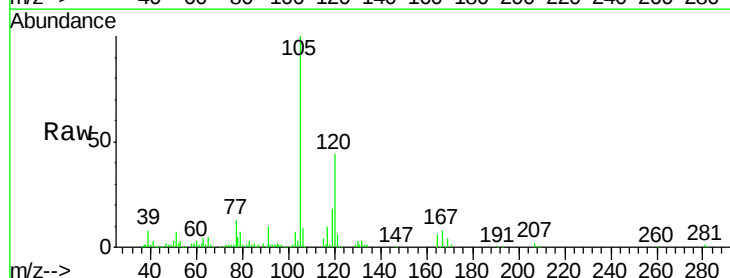
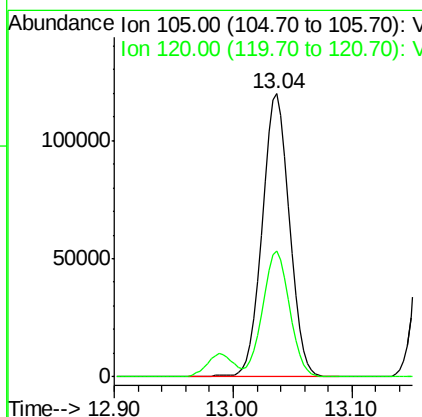
Manual Integrations
APPROVED

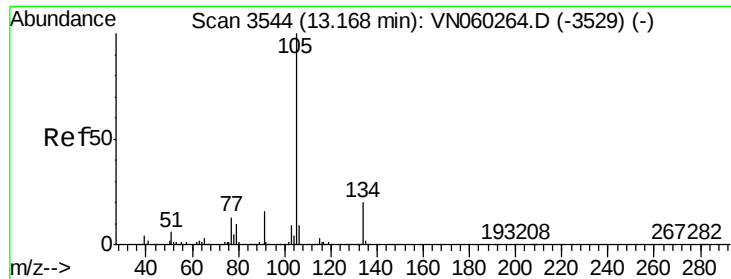
MMDadoda
2/28/2020 12:31:11 PM



#84
1,2,4-Trimethylbenzene
Concen: 19.234 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189755		
120	44.1		22.3	66.9





#85

sec-Butylbenzene

Concen: 18.594 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

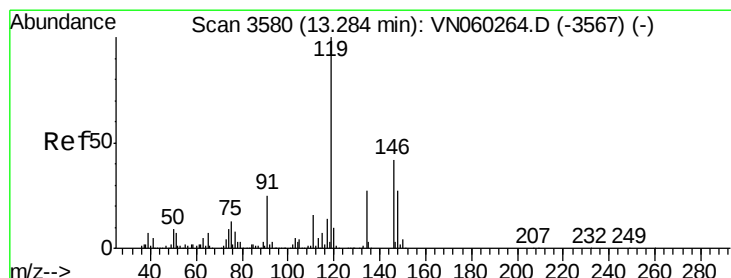
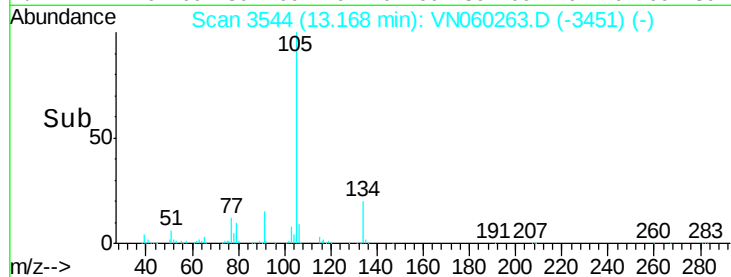
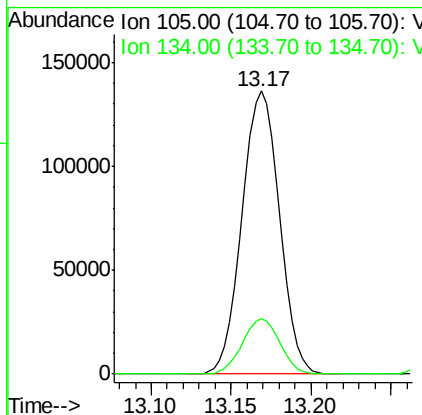
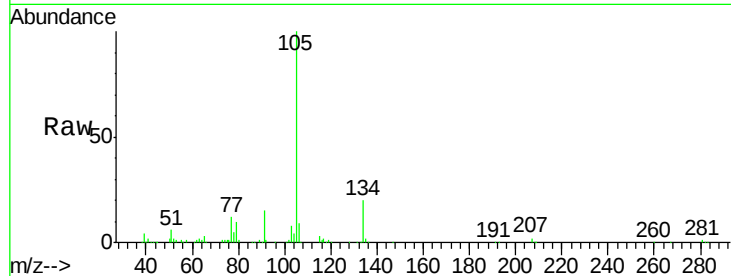
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	217370		
134	19.6	9.8	29.5	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.490 ug/l

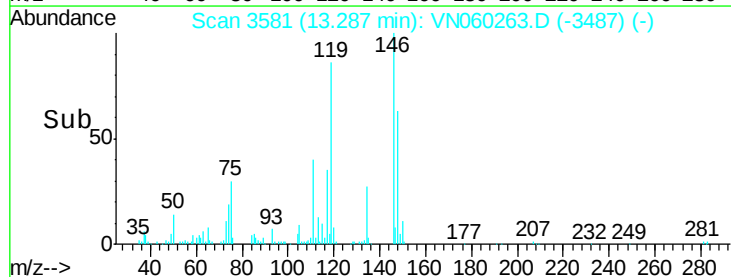
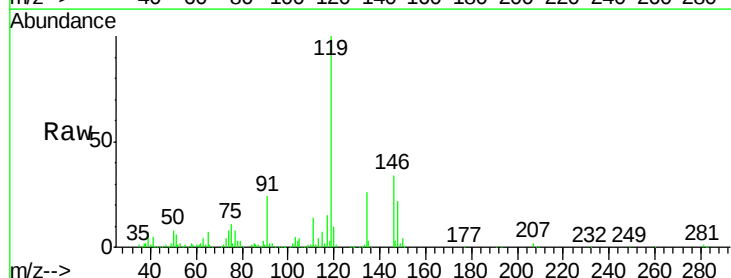
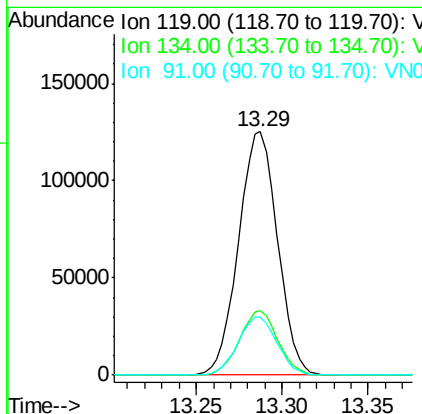
RT: 13.29 min Scan# 3581

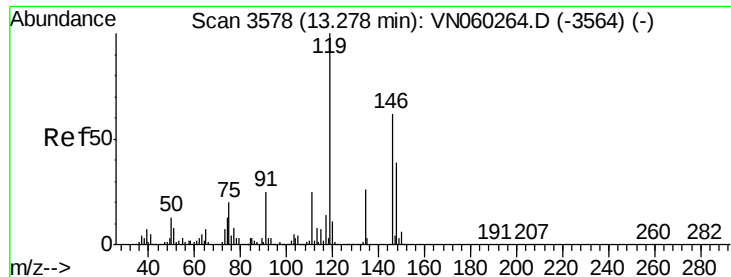
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	195967		
134	26.1	13.2	39.6	
91	24.1	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.223 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060263.D

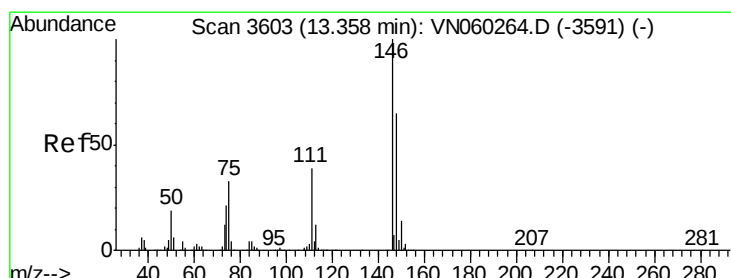
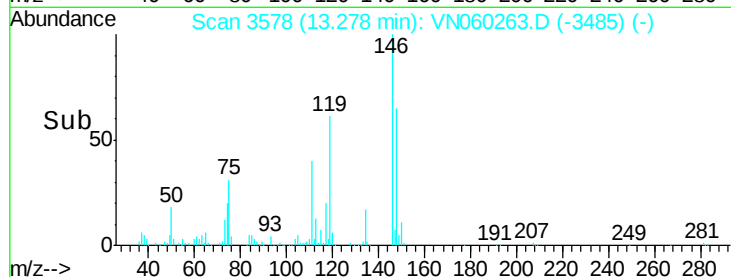
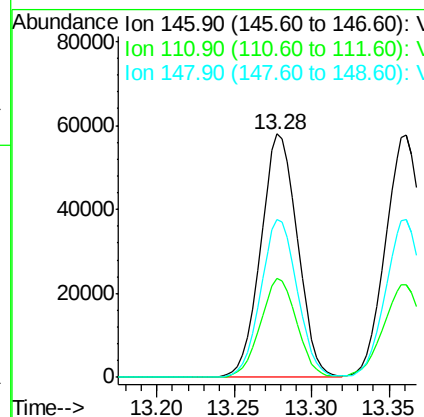
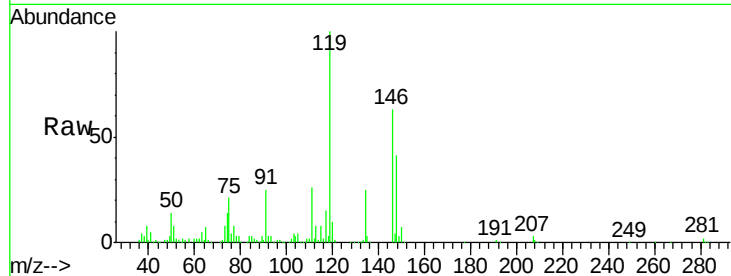
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.6	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.525 ug/l

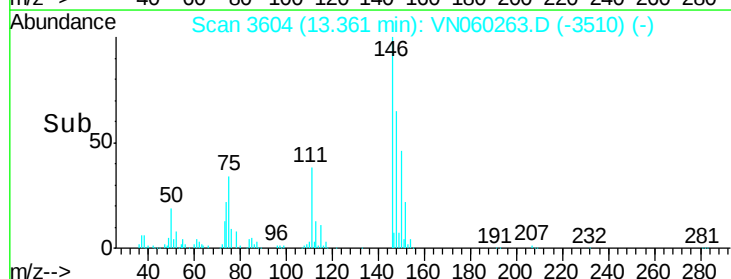
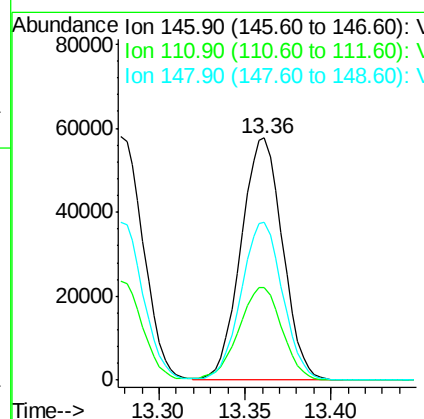
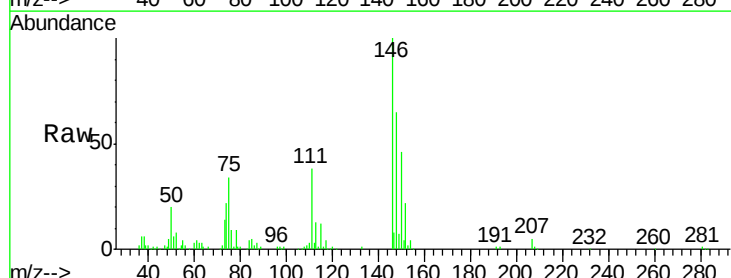
RT: 13.36 min Scan# 3604

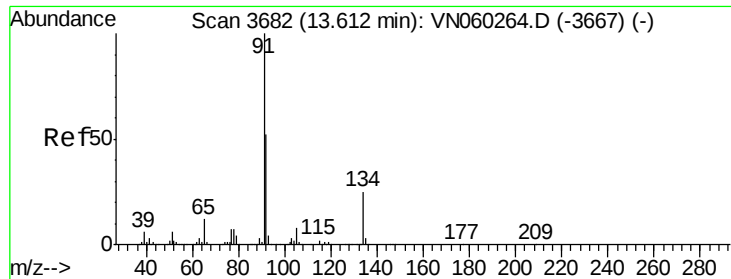
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.4
148	64.8	32.3	96.9





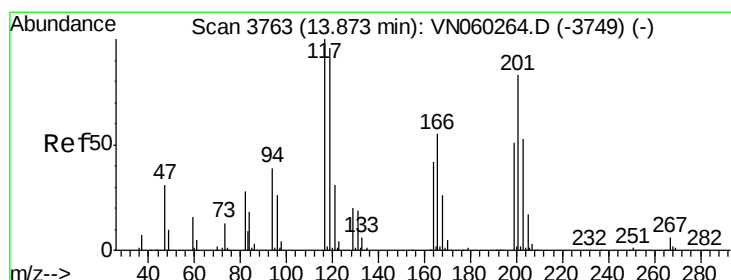
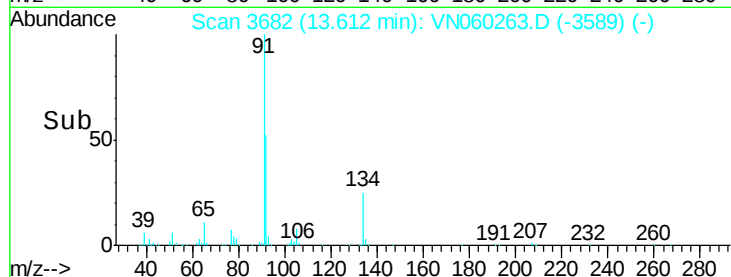
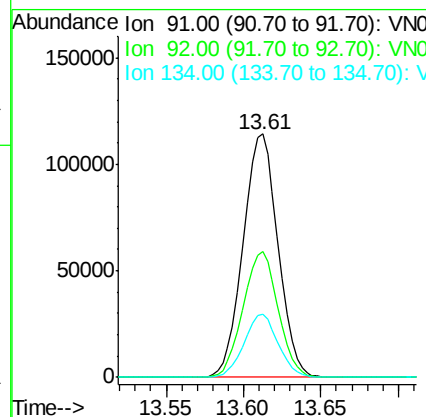
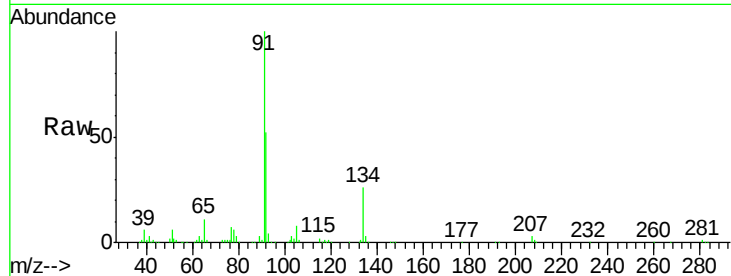
#89
n-Butylbenzene
Concen: 19.121 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	25.3	12.7	38.1

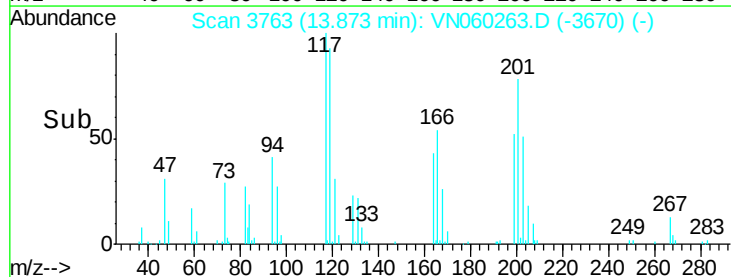
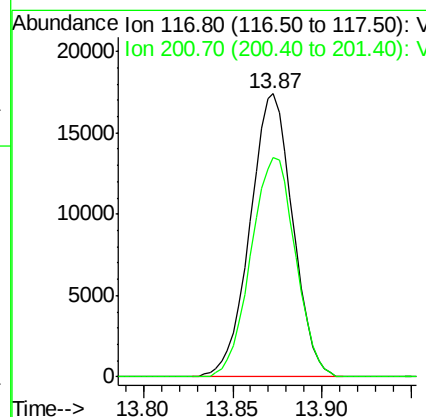
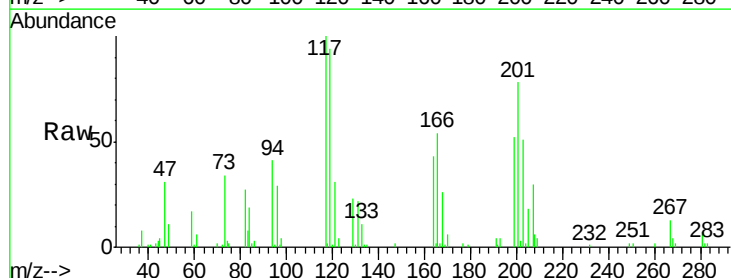
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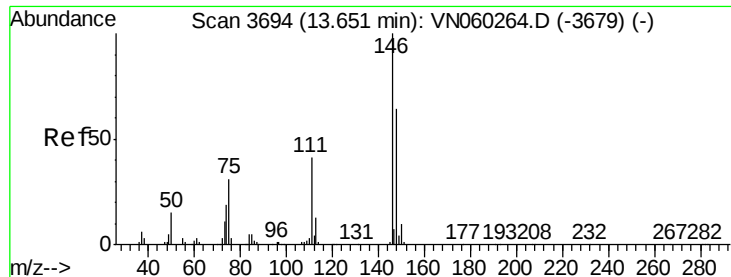
MMDadoda
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#90
Hexachloroethane
Concen: 15.186 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060263.D
Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 18.342 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

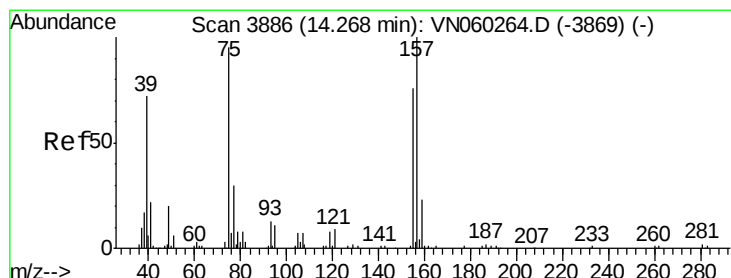
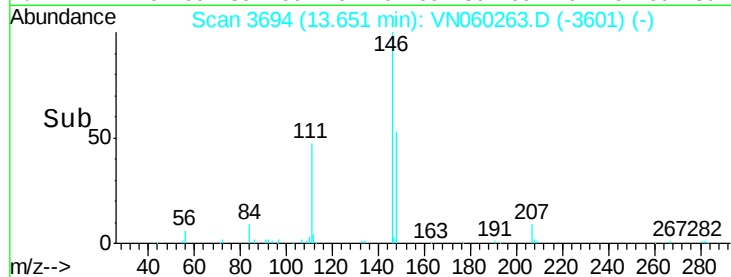
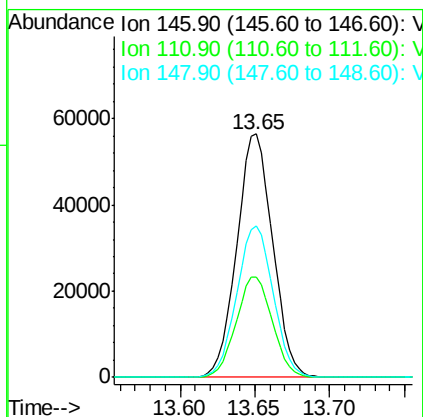
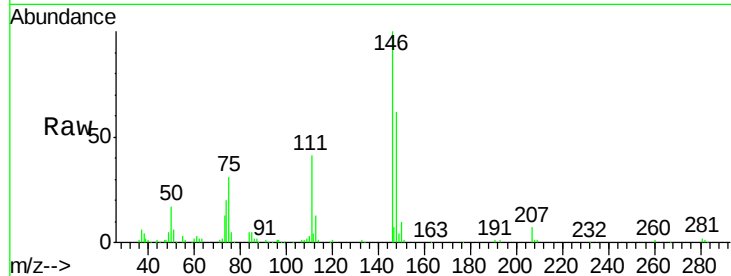
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	94313
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.3	61.0
148	63.1	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.377 ug/l

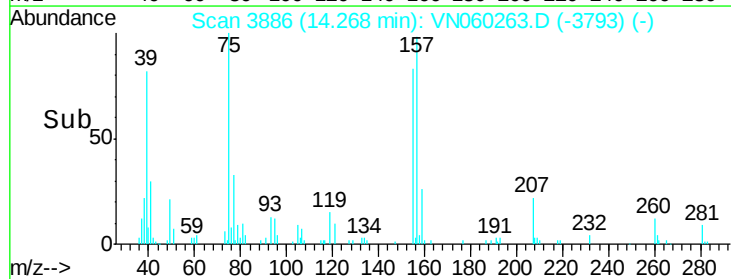
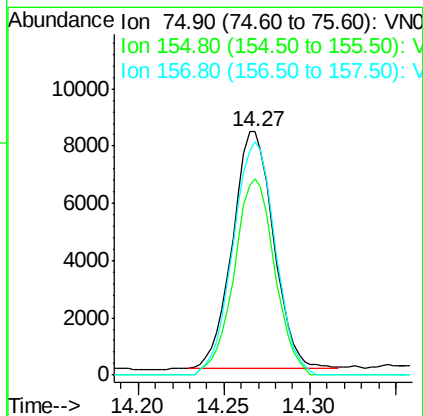
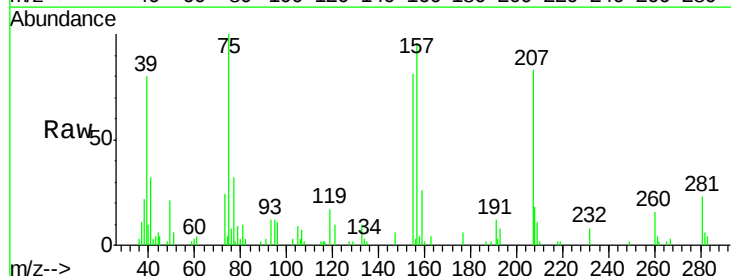
RT: 14.27 min Scan# 3886

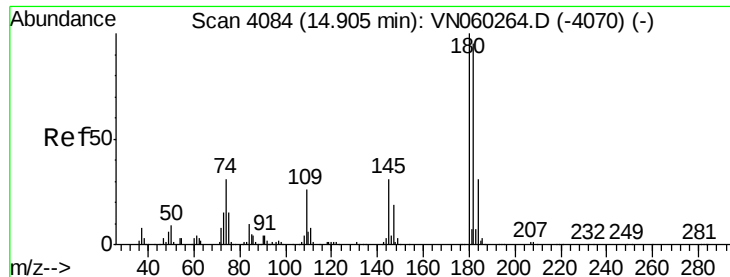
Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Tgt Ion:	75	Resp:	13794
Ion Ratio	Lower	Upper	
75	100		
155	81.1	40.4	121.2
157	100.8	52.5	157.5





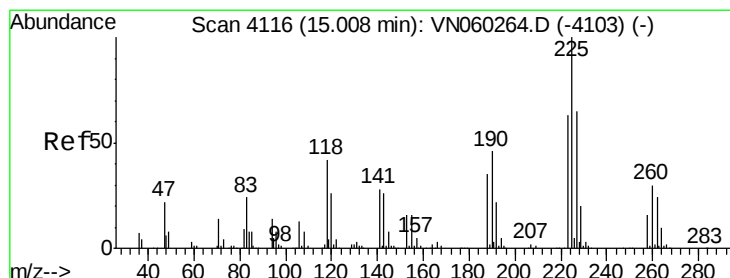
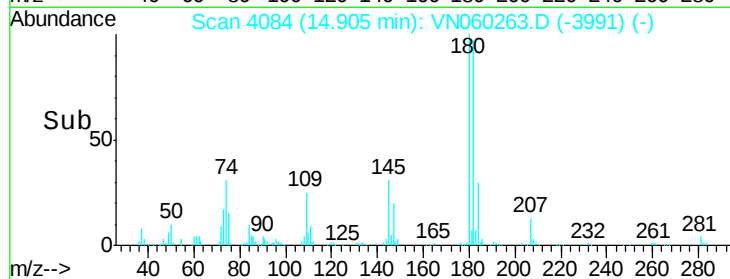
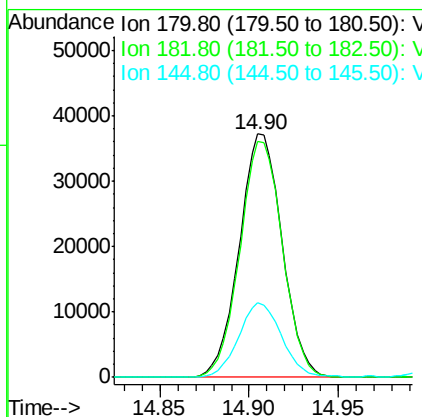
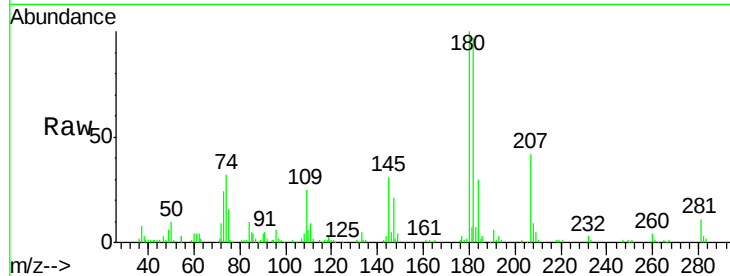
#93
 1,2,4-Trichlorobenzene
 Concen: 20.424 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62267		
182	96.1	47.8	143.3	
145	30.8	15.4	46.1	

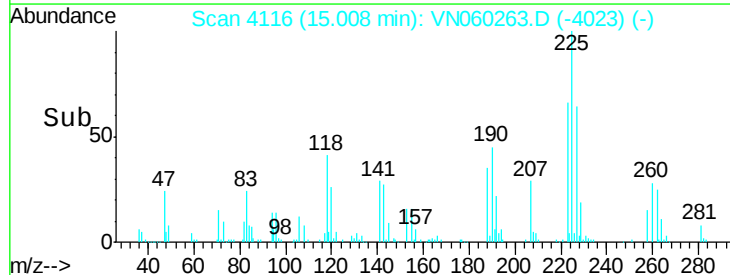
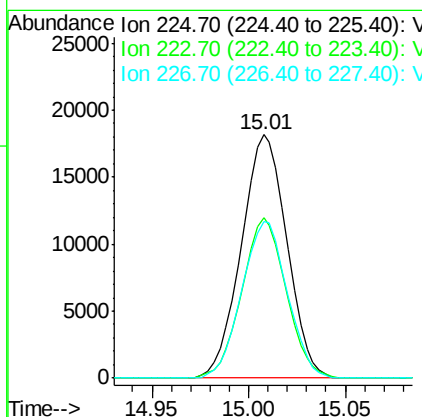
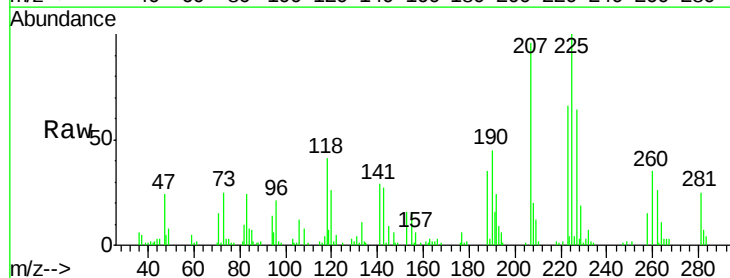
Manual Integrations
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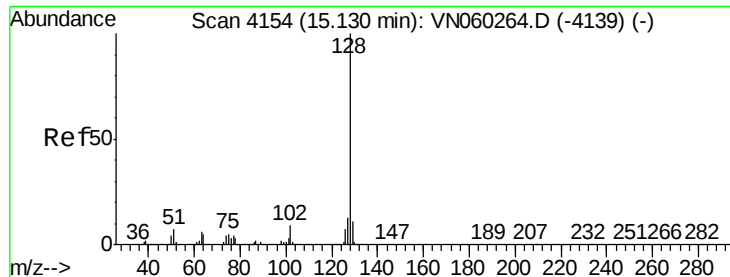
MMDadoda
 2/28/2020 12:31:11 PM



#94
 Hexachlorobutadiene
 Concen: 17.011 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060263.D
 Acq: 27 Feb 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29719		
223	64.0	31.3	93.9	
227	64.1	32.3	96.9	





#95

Naphthalene

Concen: 22.185 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060263.D

Acq: 27 Feb 2020 11:06

Instrument :

MSVOA_N

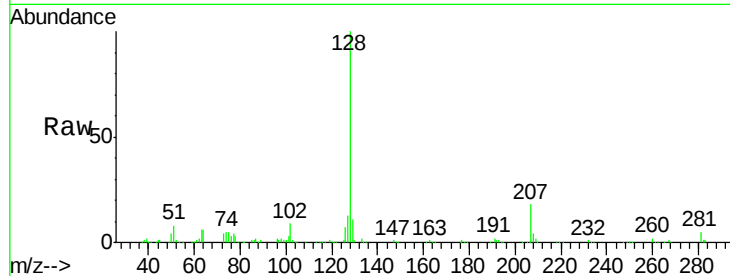
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	185203
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

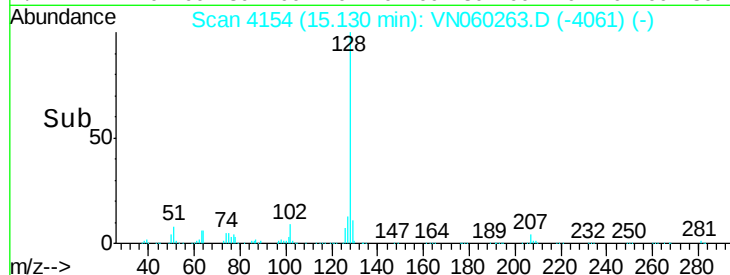
Manual Integrations
APPROVED

MMDadoda
2/28/2020 12:31:11 PM

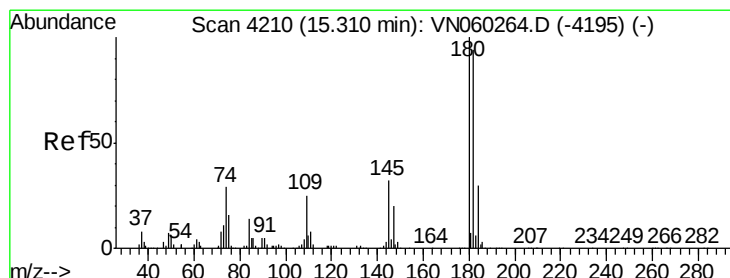


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.682 ug/l

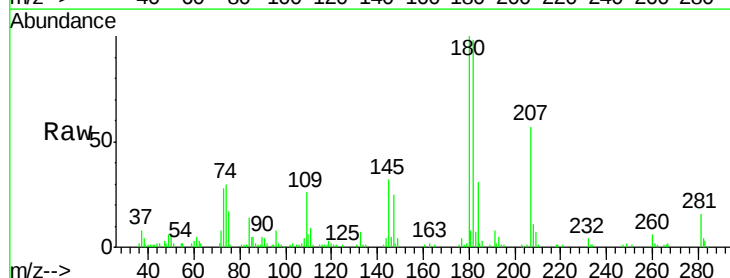
RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060263.D

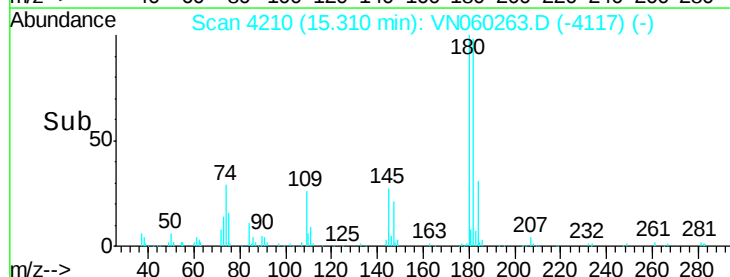
Acq: 27 Feb 2020 11:06

Tgt Ion:	180	Resp:	59500
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.3	142.0
145	32.4	16.2	48.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.31



Time-->