

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060304.D
 Acq On : 2 Mar 2020 12:25
 Operator : JC/MD
 Sample : VN0302WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:12 AM

Quant Time: Mar 03 06:05:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	214008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	320056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	152913	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	135792	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.56	113	91062	56.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.54%	
50) Toluene-d8	10.08	98	398837	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
62) 4-Bromofluorobenzene	12.40	95	147333	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35746	18.218	ug/l	97
3) Chloromethane	2.04	50	61395	17.972	ug/l	98
4) Vinyl Chloride	2.16	62	51305	17.512	ug/l	99
5) Bromomethane	2.55	94	19643	14.973	ug/l	95
6) Chloroethane	2.69	64	28201	17.766	ug/l	97
7) Trichlorofluoromethane	3.00	101	66561	17.782	ug/l	96
8) Diethyl Ether	3.38	74	25673	18.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37434	17.671	ug/l	96
10) Methyl Iodide	3.93	142	36050	18.646	ug/l	99
11) Tert butyl alcohol	4.73	59	39626	97.192	ug/l	99
12) 1,1-Dichloroethene	3.72	96	39086	18.963	ug/l	95
13) Acrolein	3.58	56	39081	102.749	ug/l	99
14) Allyl chloride	4.29	41	68493	18.068	ug/l	95
15) Acrylonitrile	4.95	53	105811	98.461	ug/l	99
16) Acetone	3.78	43	81541	91.961	ug/l	99
17) Carbon Disulfide	4.03	76	101398	18.135	ug/l	100
18) Methyl Acetate	4.29	43	54566	18.440	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	137443	18.412	ug/l	97
20) Methylene Chloride	4.52	84	43197	17.739	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	41179	18.372	ug/l	98
22) Diisopropyl ether	5.92	45	145108	18.897	ug/l	98
23) Vinyl Acetate	5.86	43	589134	96.551	ug/l	99
24) 1,1-Dichloroethane	5.82	63	81799	18.819	ug/l	99
25) 2-Butanone	6.80	43	139143	97.153	ug/l	100
26) 2,2-Dichloropropane	6.79	77	73863	18.666	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48177	17.062	ug/l	98
28) Bromochloromethane	7.17	49	32508	18.215	ug/l	98
29) Tetrahydrofuran	7.18	42	95212	95.601	ug/l	99
30) Chloroform	7.35	83	79249	18.315	ug/l	97
31) Cyclohexane	7.63	56	73459	18.972	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	70314	18.341	ug/l	99
36) 1,1-Dichloropropene	7.77	75	58836	17.708	ug/l	100
37) Ethyl Acetate	6.90	43	62400	19.834	ug/l	98
38) Carbon Tetrachloride	7.75	117	58595	18.113	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	68596	17.510	ug/l	98
40) Benzene	8.02	78	176311	18.231	ug/l	100
41) Methacrylonitrile	7.14	41	27942	19.235	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	64987	18.622	ug/l	100
43) Isopropyl Acetate	8.14	43	104451	18.964	ug/l	99
44) Trichloroethene	8.82	130	47443	17.615	ug/l	98
45) 1,2-Dichloropropane	9.10	63	47869	18.932	ug/l	97
46) Dibromomethane	9.19	93	29392	17.915	ug/l	99
47) Bromodichloromethane	9.39	83	61643	18.474	ug/l	98
48) Methyl methacrylate	9.18	41	45491	18.112	ug/l	100
49) 1,4-Dioxane	9.18	88	13083	370.410	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	304424	97.483	ug/l	99
52) Toluene	10.14	92	107874	17.758	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	71991	17.608	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	76535	18.065	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43938	17.986	ug/l	99
56) Ethyl methacrylate	10.42	69	65209	18.580	ug/l	99
57) 1,3-Dichloropropane	10.70	76	75066	18.842	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	176081	95.927	ug/l	99
59) 2-Hexanone	10.74	43	220363	96.109	ug/l	100
60) Dibromochloromethane	10.89	129	45144	18.171	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43009	18.060	ug/l	100
64) Tetrachloroethene	10.62	164	50315	19.092	ug/l	99
65) Chlorobenzene	11.43	112	113959	17.633	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44459	18.605	ug/l	98
67) Ethyl Benzene	11.50	91	212962	18.095	ug/l	100
68) m/p-Xylenes	11.62	106	156171	35.170	ug/l	99
69) o-Xylene	11.94	106	76947	18.172	ug/l	97
70) Styrene	11.96	104	120717	17.340	ug/l	99
71) Bromoform	12.12	173	31050	18.029	ug/l #	97
73) Isopropylbenzene	12.25	105	206081	18.183	ug/l	100
74) N-amyl acetate	12.07	43	90354	18.244	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59009	19.154	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	57731m	17.208	ug/l	
77) Bromobenzene	12.52	156	49686	17.884	ug/l	99
78) n-propylbenzene	12.59	91	240613	18.111	ug/l	100
79) 2-Chlorotoluene	12.67	91	140826	18.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	174219	18.257	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	22454	18.475	ug/l #	87
82) 4-Chlorotoluene	12.77	91	146384	17.792	ug/l	98
83) tert-Butylbenzene	12.99	119	150395	18.203	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	173266	17.989	ug/l	99
85) sec-Butylbenzene	13.17	105	200289	18.103	ug/l	99
86) p-Isopropyltoluene	13.29	119	182792	17.851	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	89249	18.576	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87903	18.300	ug/l	99
89) n-Butylbenzene	13.61	91	165061	17.560	ug/l	99
90) Hexachloroethane	13.87	117	24402	16.463	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	86226	17.712	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13165	18.870	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56770	18.409	ug/l	99
94) Hexachlorobutadiene	15.01	225	27831	19.221	ug/l	98
95) Naphthalene	15.13	128	170826	18.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	55700	19.007	ug/l	99

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

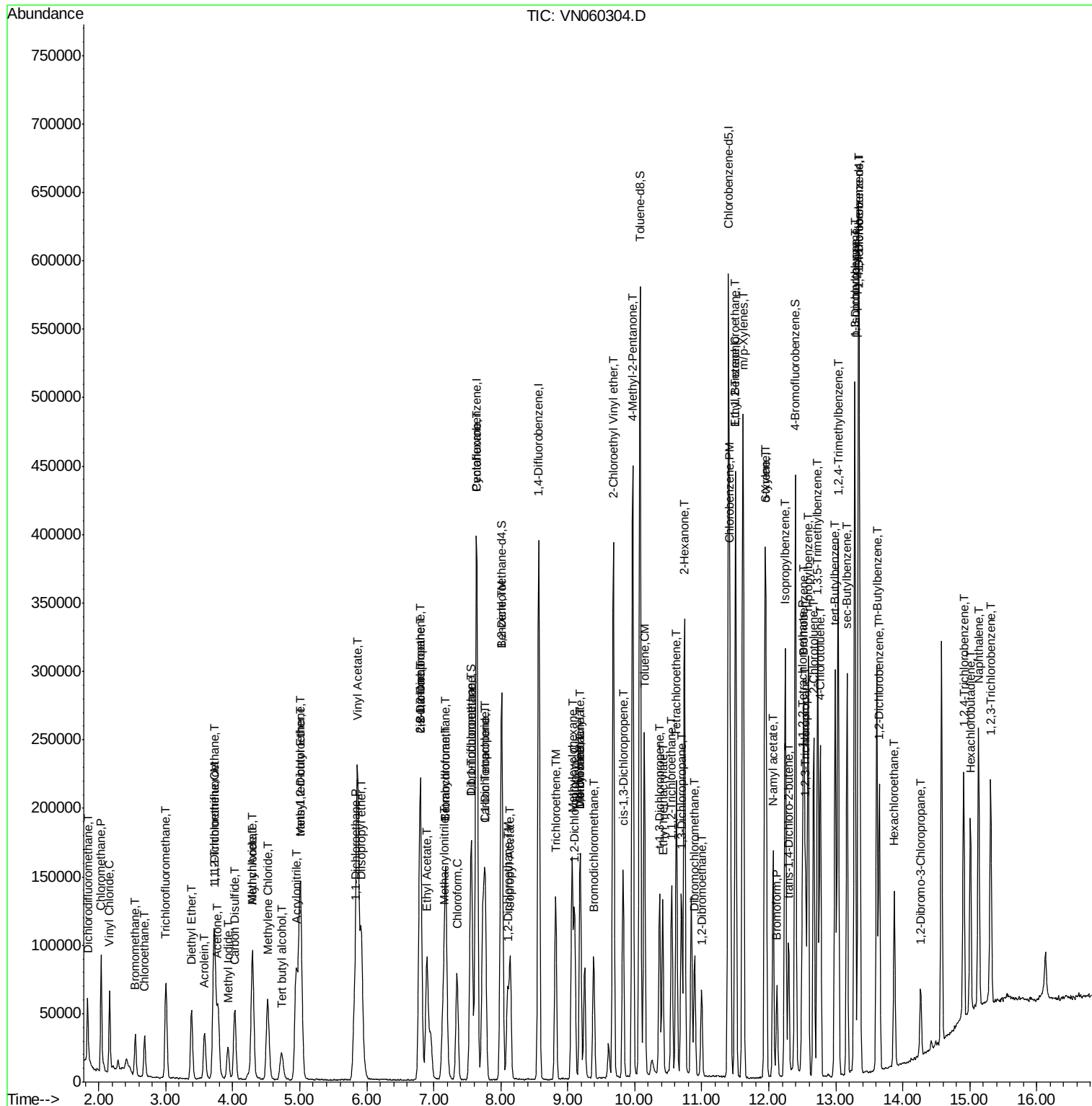
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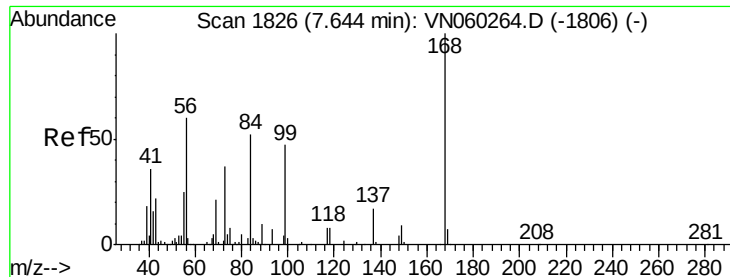
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:168 Resp: 214008

Ion Ratio Lower Upper

168 100

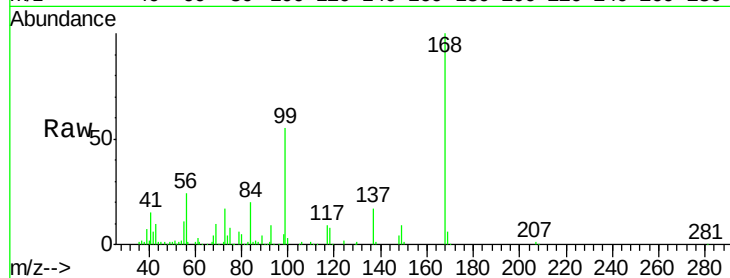
99 55.5 44.7 67.1

Manual Integrations

APPROVED

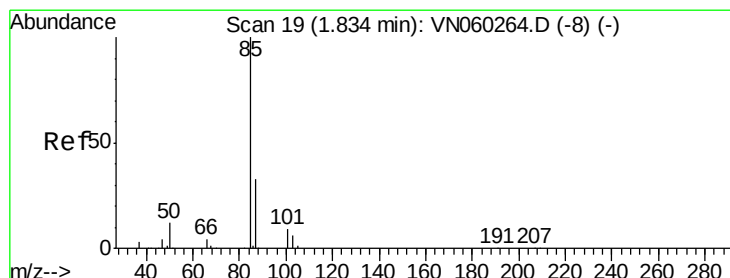
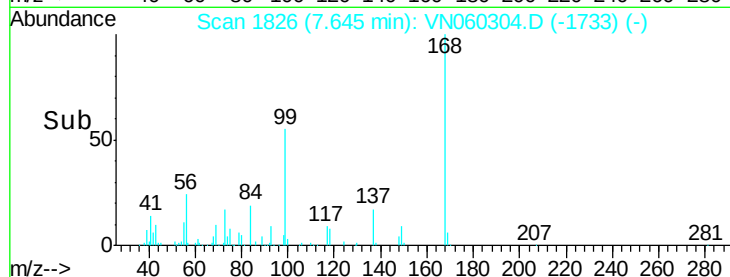
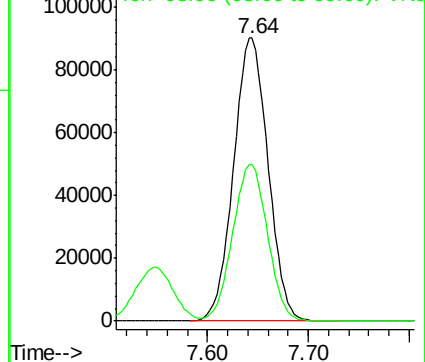
MMDadoda

3/3/2020 10:04:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.218 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060304.D

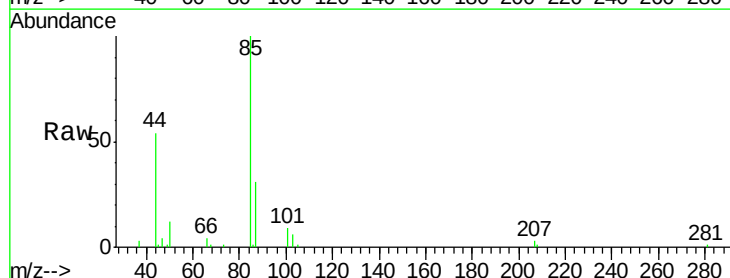
Acq: 2 Mar 2020 12:25

Tgt Ion: 85 Resp: 35746

Ion Ratio Lower Upper

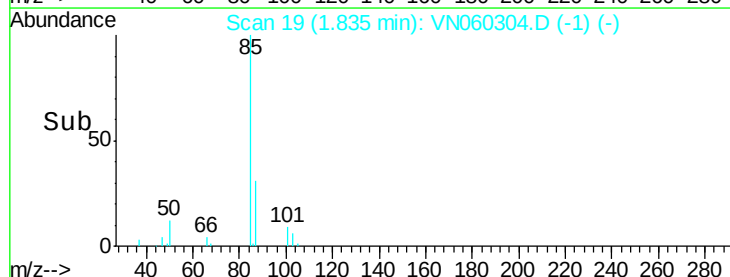
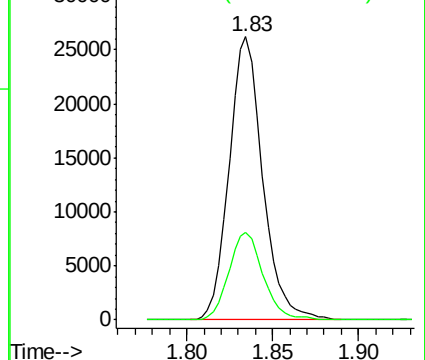
85 100

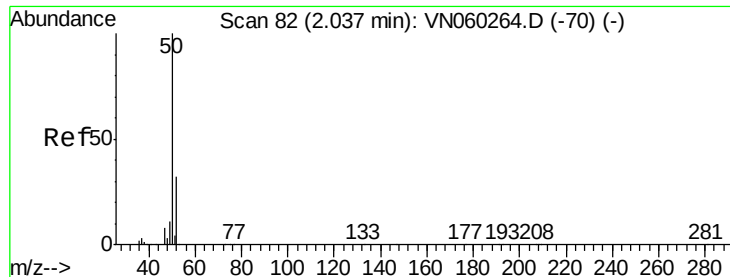
87 30.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.972 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 50 Resp: 61395

Ion Ratio Lower Upper

50 100

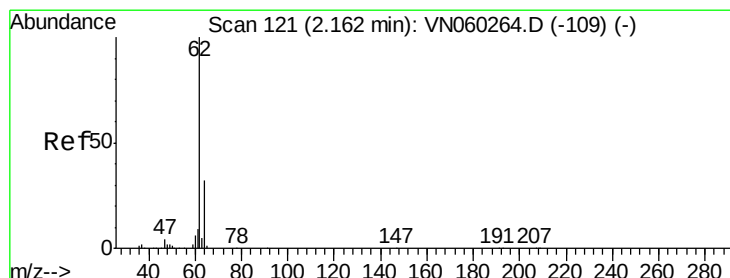
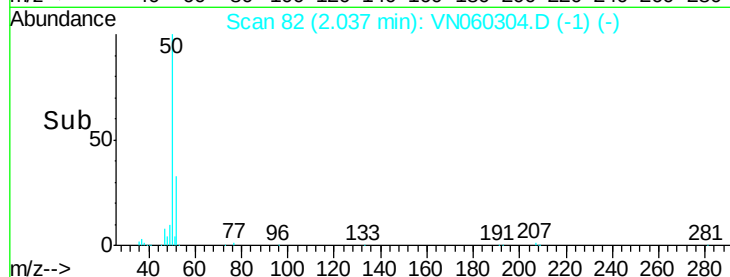
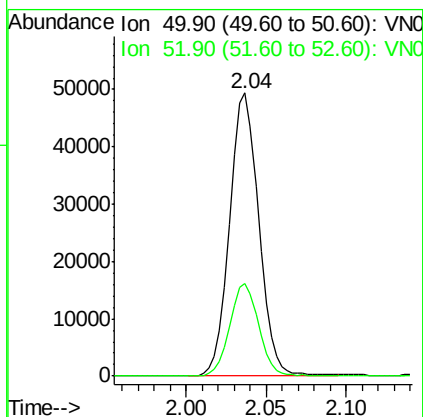
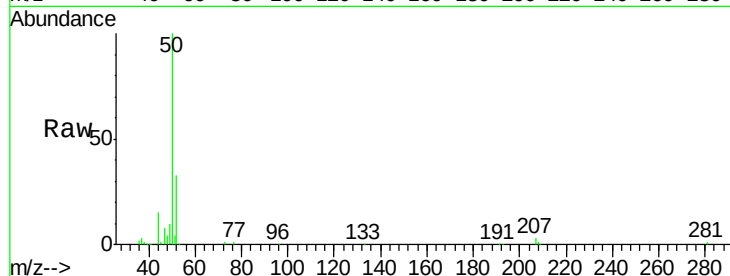
52 32.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.512 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060304.D

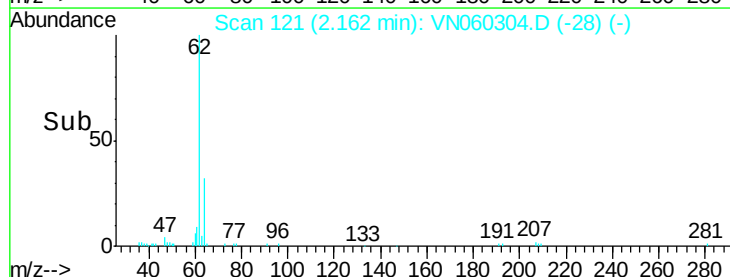
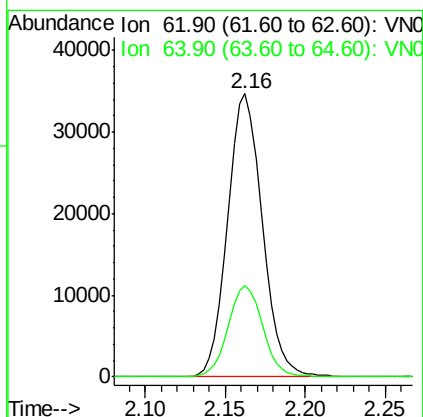
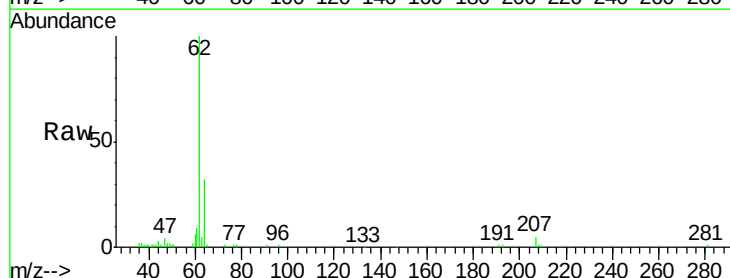
Acq: 2 Mar 2020 12:25

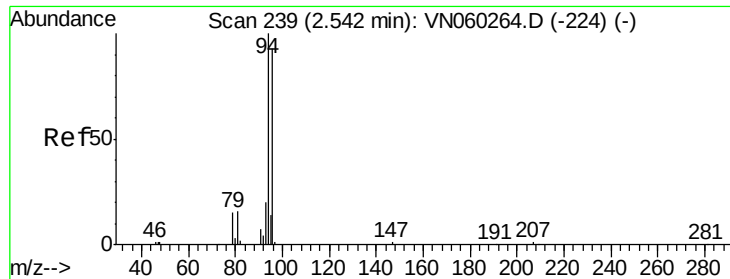
Tgt Ion: 62 Resp: 51305

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 14.973 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 94 Resp: 19643

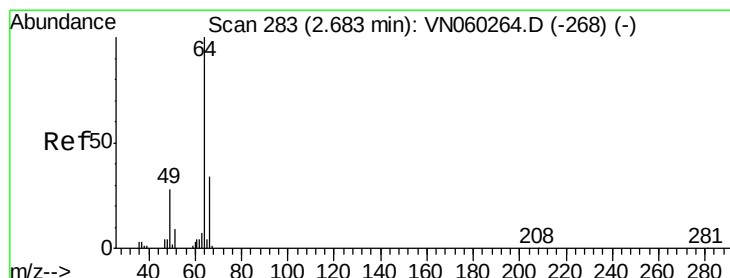
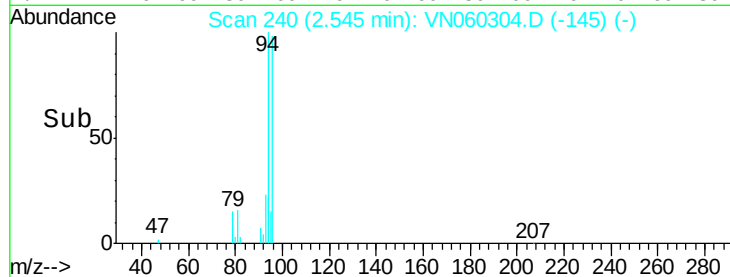
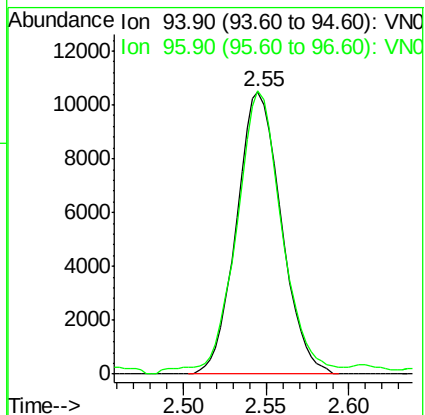
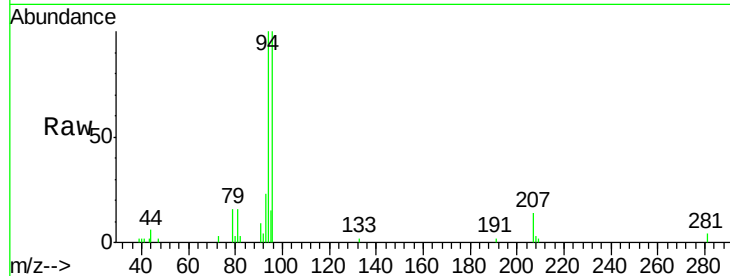
Ion Ratio Lower Upper

94 100

96 97.7 74.3 111.5

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#6

Chloroethane

Concen: 17.766 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060304.D

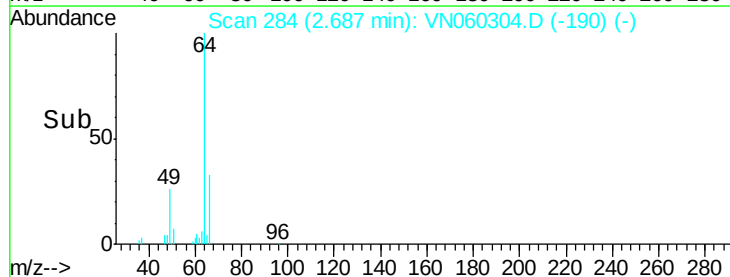
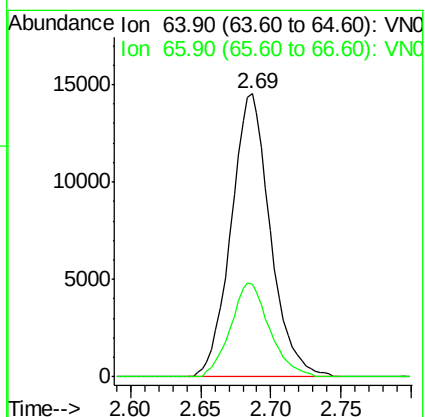
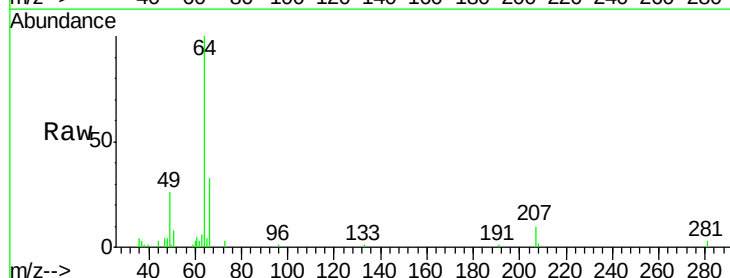
Acq: 2 Mar 2020 12:25

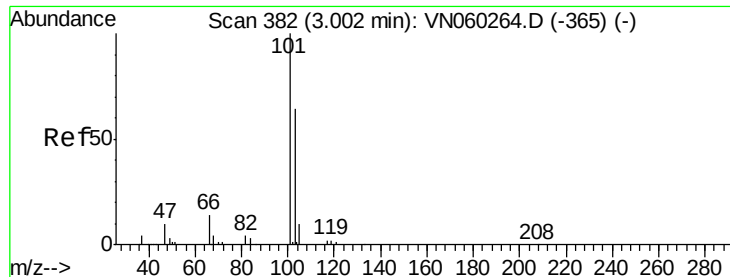
Tgt Ion: 64 Resp: 28201

Ion Ratio Lower Upper

64 100

66 32.7 27.4 41.2





#7

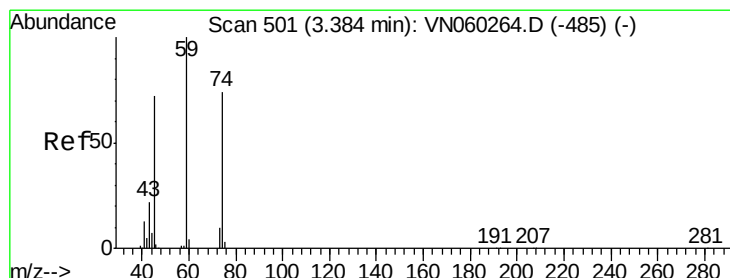
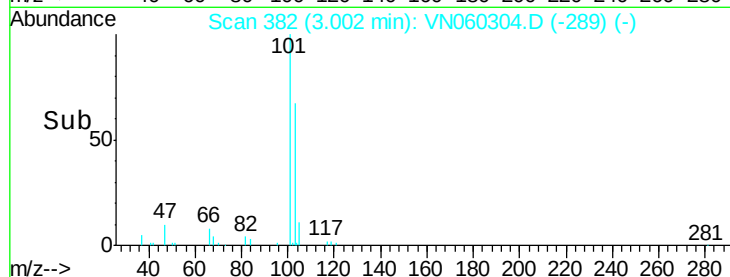
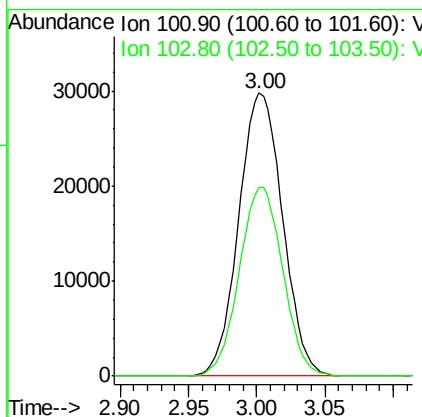
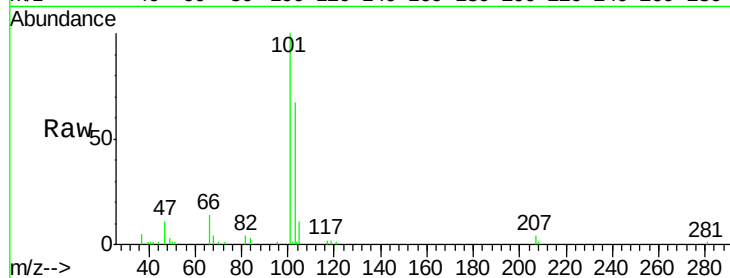
Trichlorofluoromethane
Concen: 17.782 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
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ClientSampled :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	51.3	76.9

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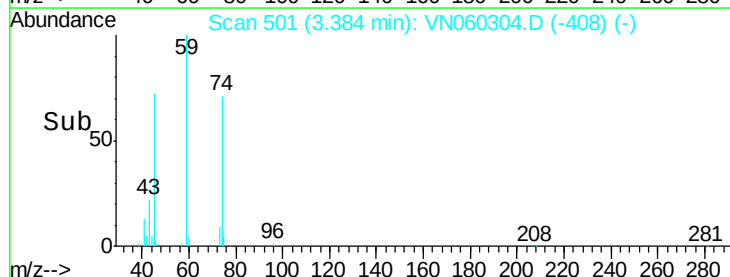
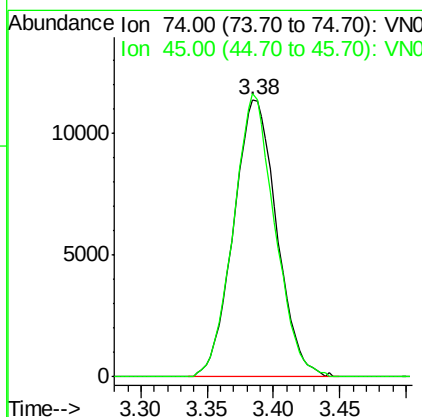
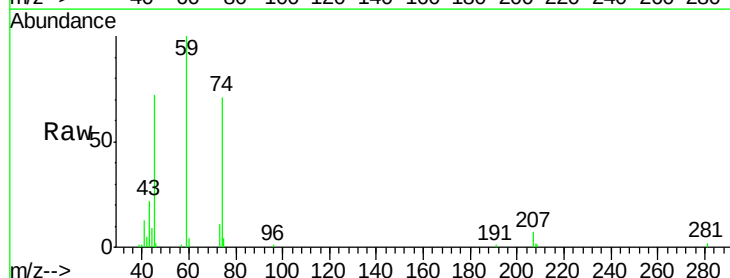
MMDadoda
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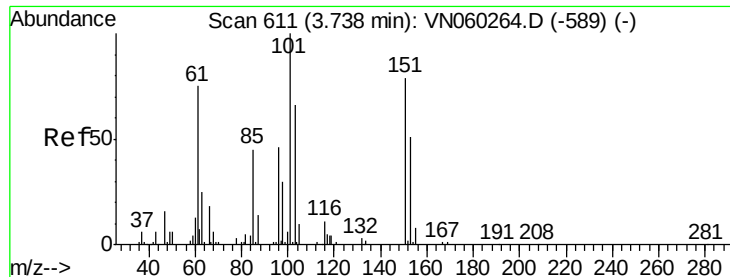


#8

Diethyl Ether
Concen: 18.166 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060304.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.671 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060304.D

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Instrument :

MSVOA_N

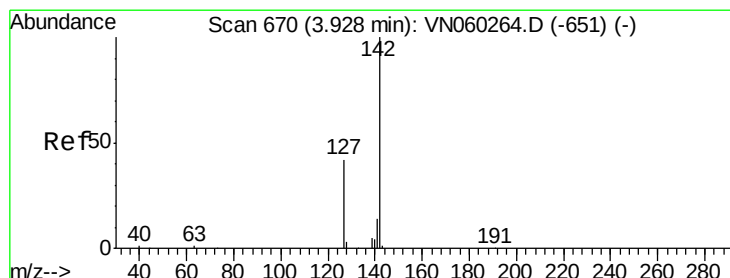
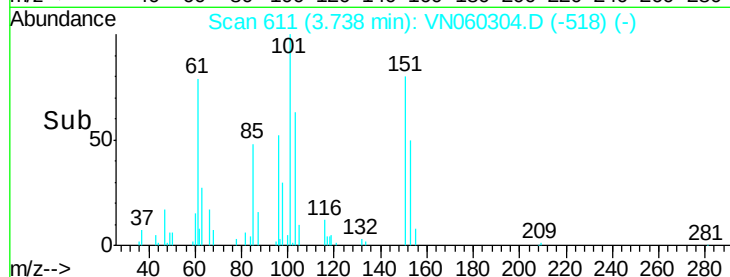
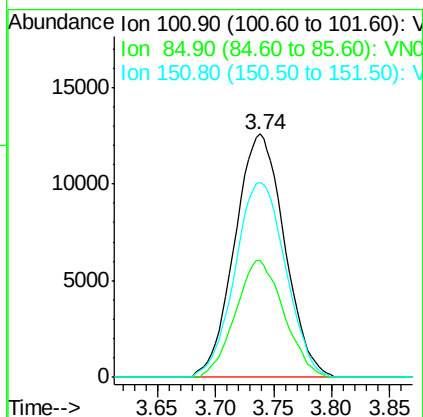
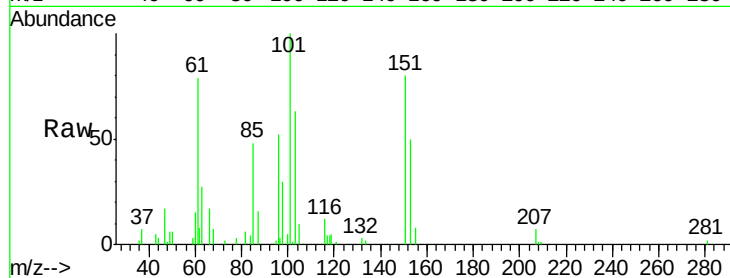
ClientSampleId :

VN0302WBSD01

Tot Ion:	101	Resp:	37434
Ion Ratio	Lower	Upper	
101	100		
85	46.7	35.4	53.2
151	81.5	62.0	93.0

Manual Integrations
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MMDadoda
3/3/2020 10:04:12 AM



#10

Methyl Iodide

Concen: 18.646 ug/l

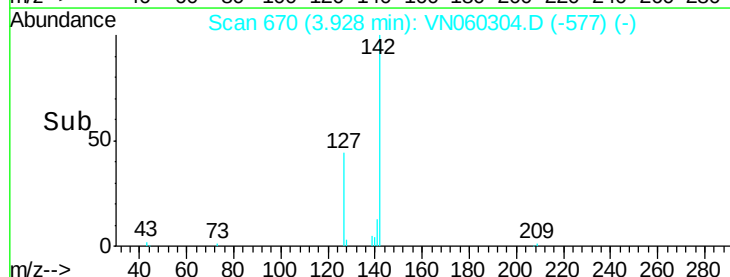
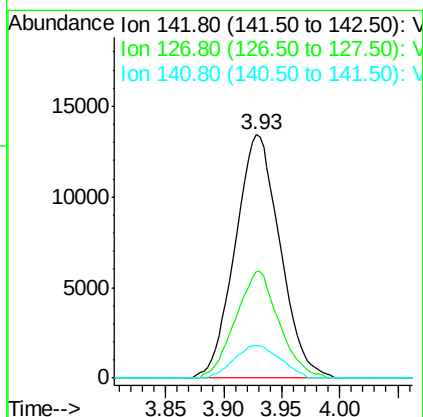
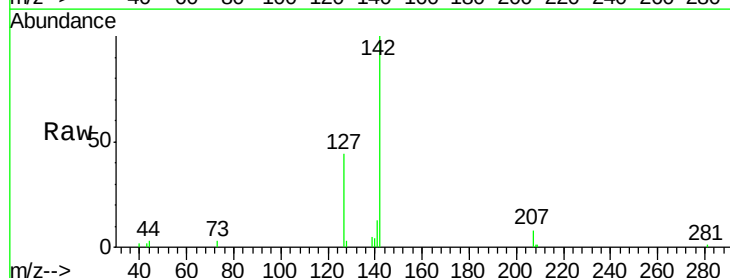
RT: 3.93 min Scan# 670

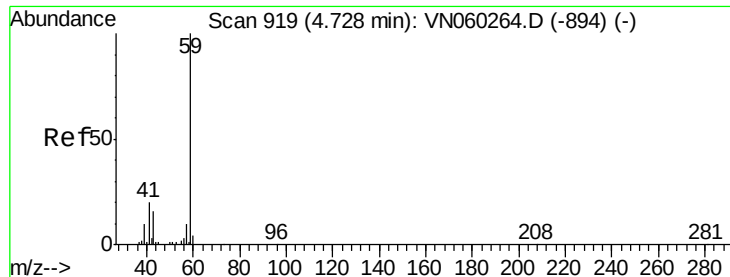
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	142	Resp:	36050
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.8	50.6
141	13.8	11.1	16.7





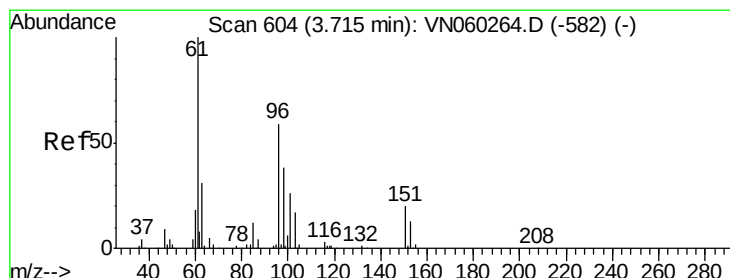
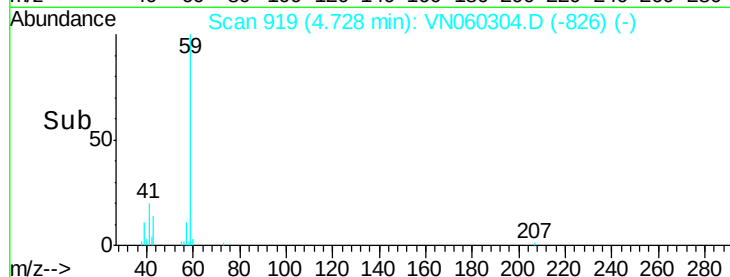
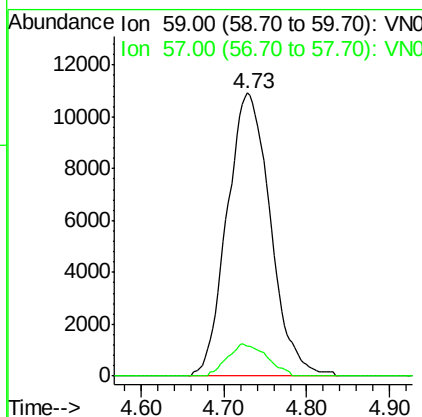
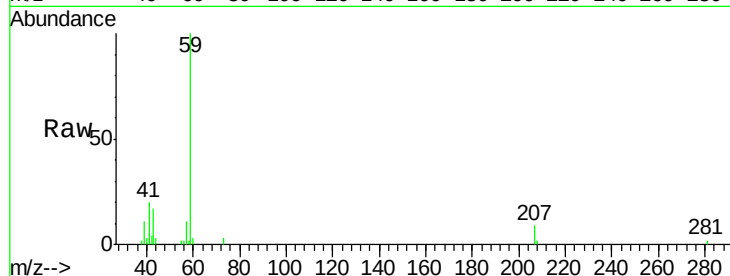
#11
Tert butyl alcohol
Concen: 97.192 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

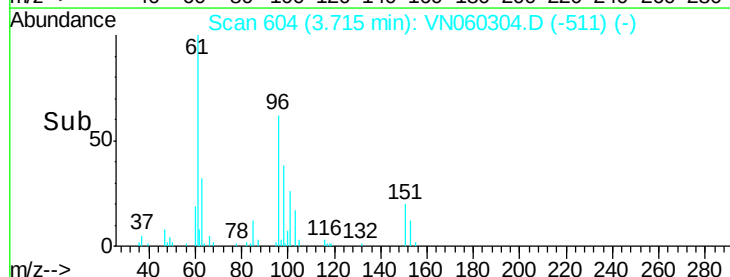
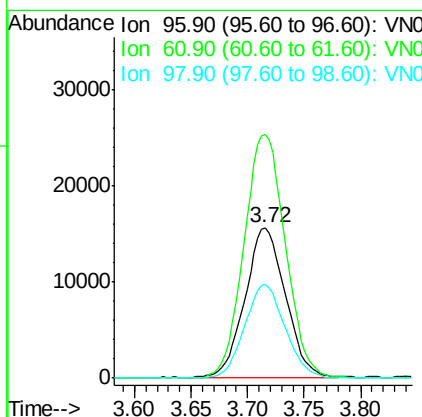
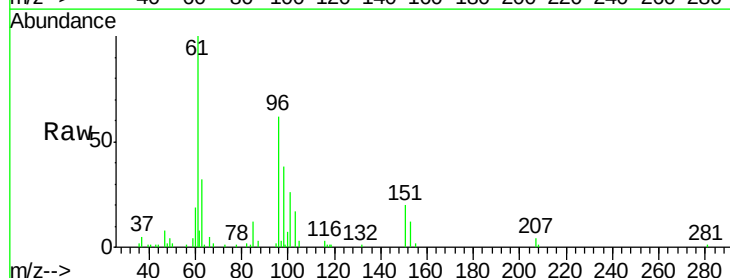
Manual Integrations
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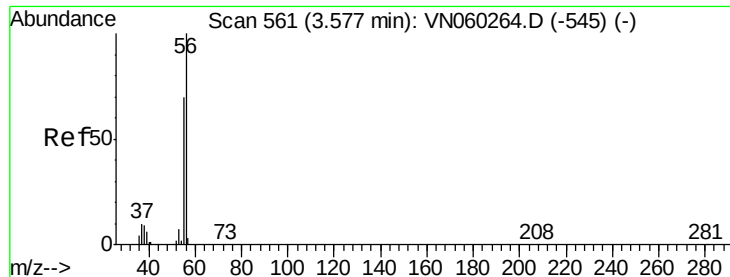
MMDadoda
3/3/2020 10:04:12 AM



#12
1,1-Dichloroethene
Concen: 18.963 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	135.4	203.0
98	61.9	51.6	77.4





#13

Acrolein

Concen: 102.749 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 56 Resp: 39081

Ion Ratio Lower Upper

56 100

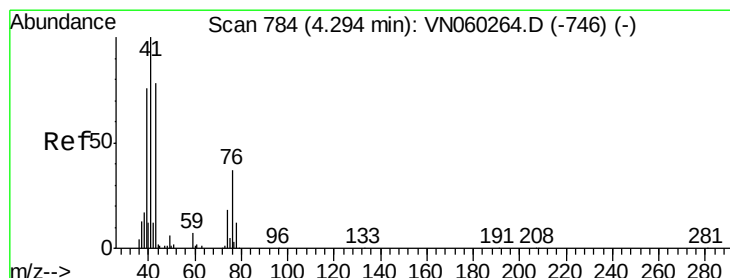
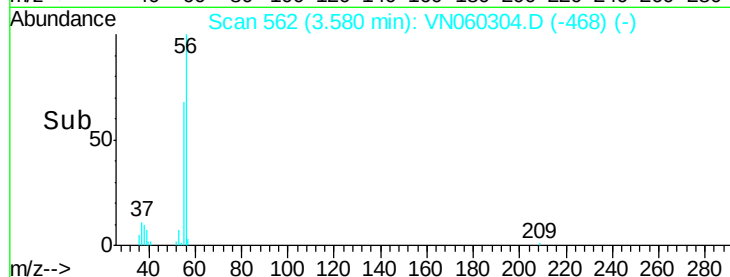
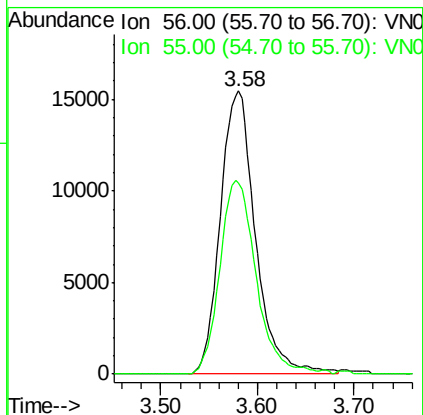
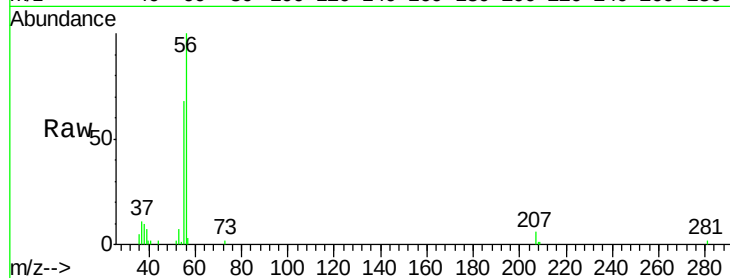
55 70.6 57.4 86.0

Manual Integrations

APPROVED

MMDadoda

3/3/2020 10:04:12 AM



#14

Allyl chloride

Concen: 18.068 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

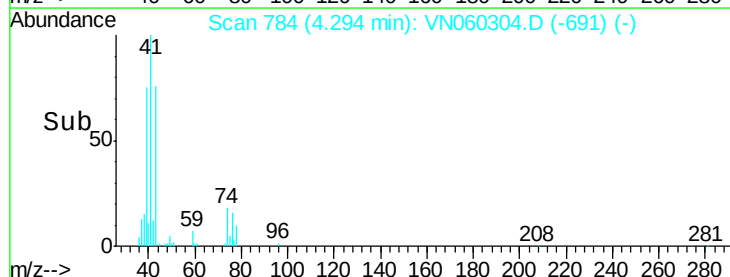
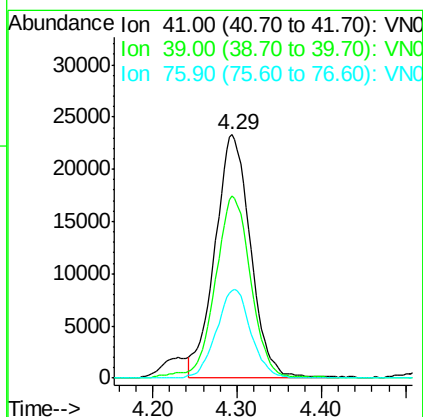
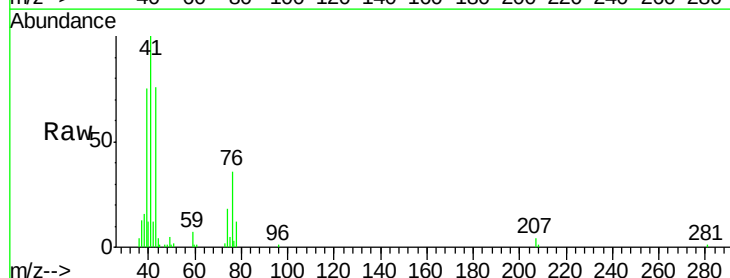
Tgt Ion: 41 Resp: 68493

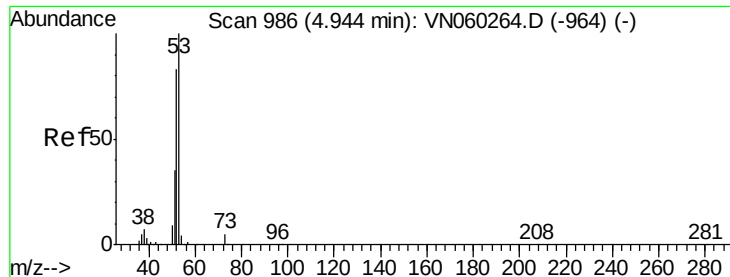
Ion Ratio Lower Upper

41 100

39 74.5 55.4 83.2

76 35.1 27.0 40.6





#15

Acrylonitrile

Concen: 98.461 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

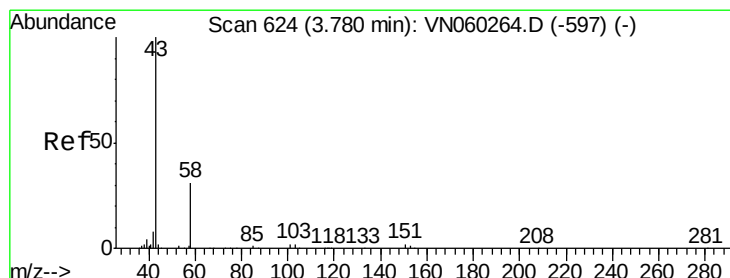
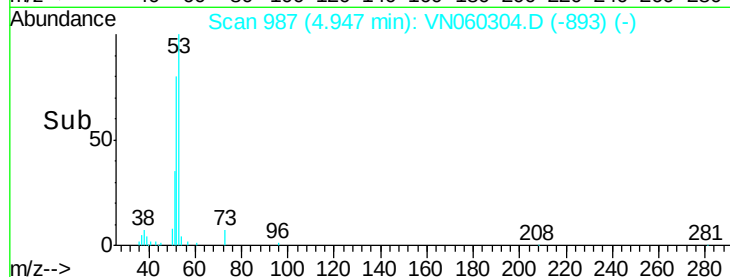
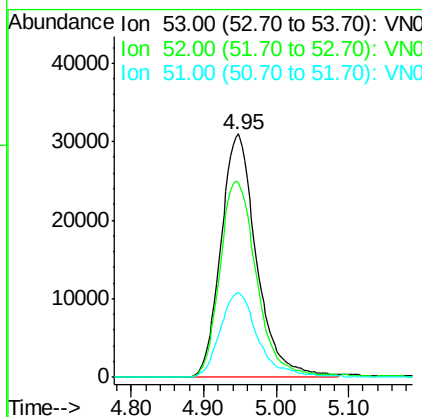
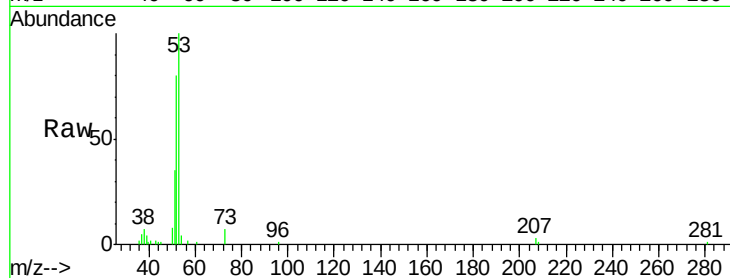
ClientSampled :

VN0302WBSD01

Tot Ion:	53	Resp:	105811
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.8	100.2
51	36.7	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 91.961 ug/l

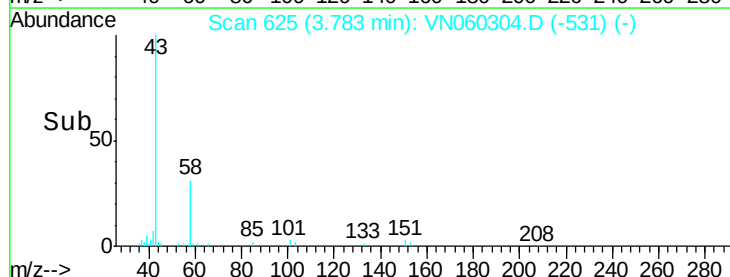
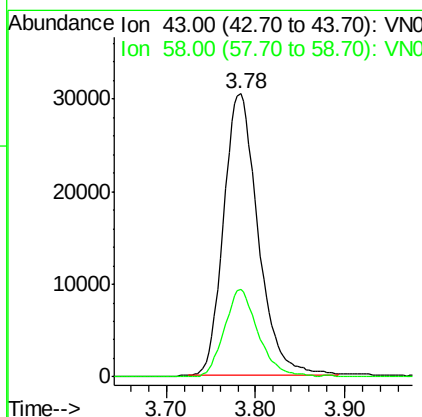
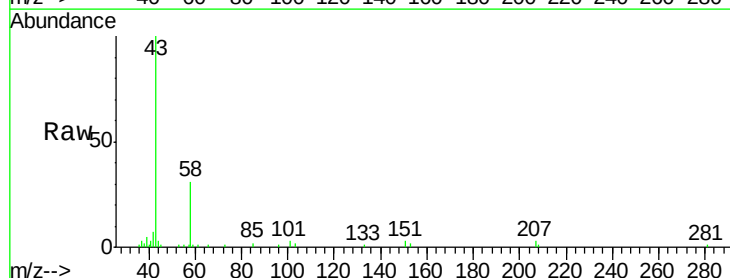
RT: 3.78 min Scan# 625

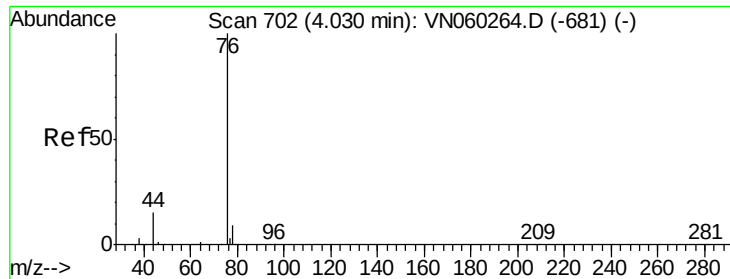
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	43	Resp:	81541
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.6	36.8





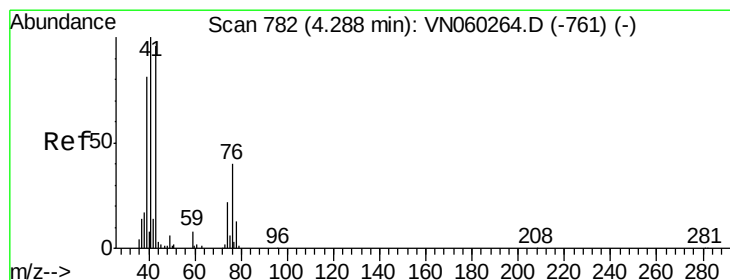
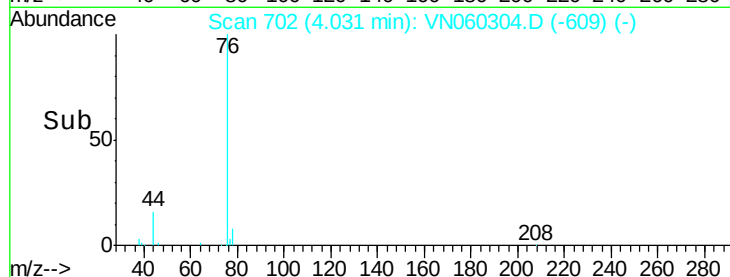
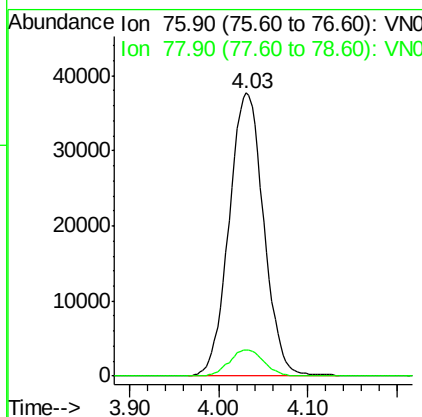
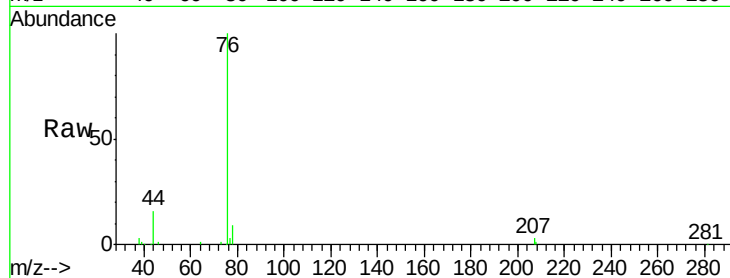
#17
Carbon Disulfide
Concen: 18.135 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

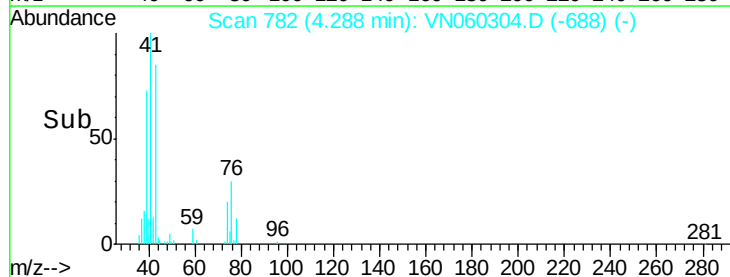
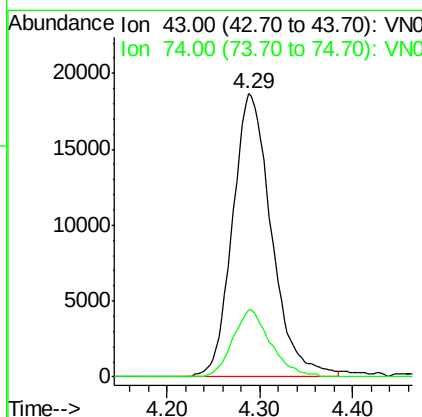
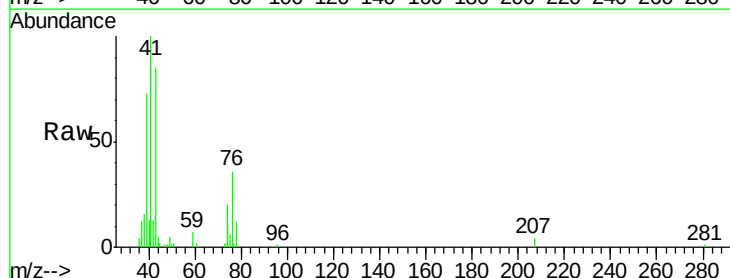
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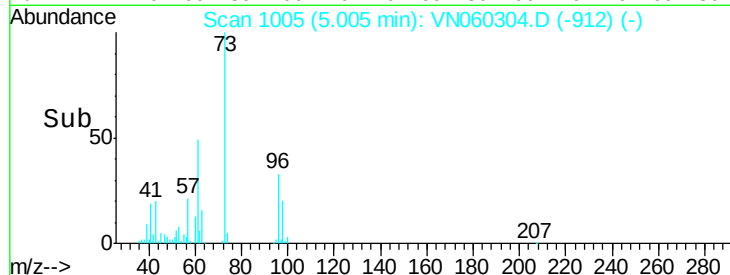
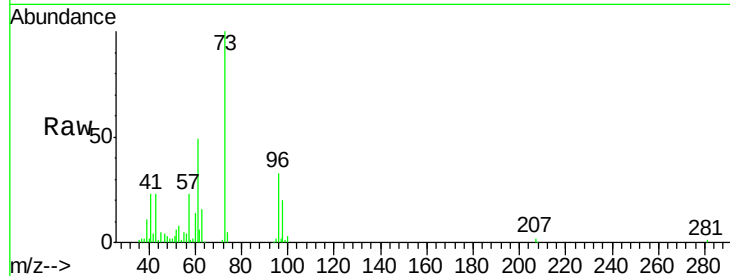
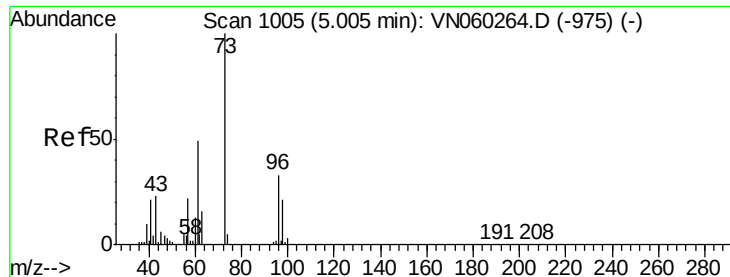
MMDadoda
3/3/2020 10:04:12 AM



#18
Methyl Acetate
Concen: 18.440 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





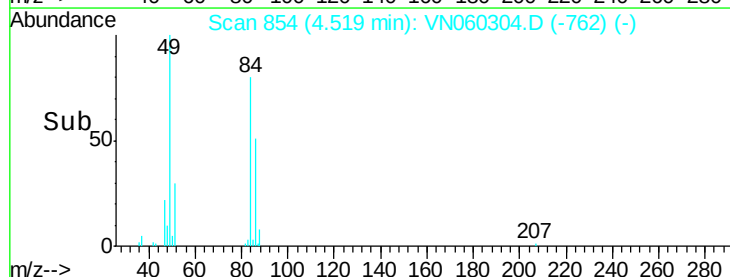
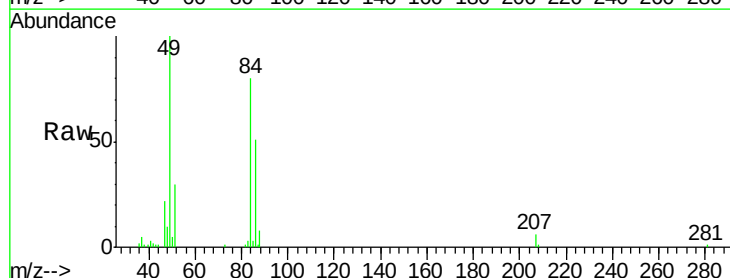
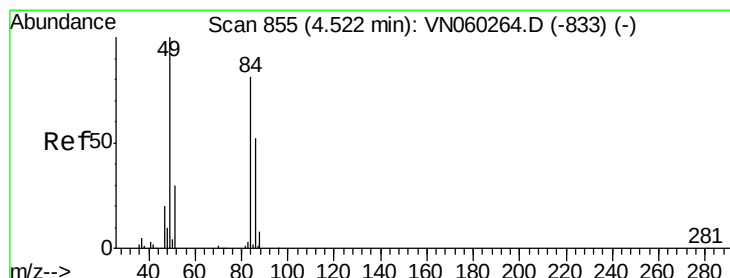
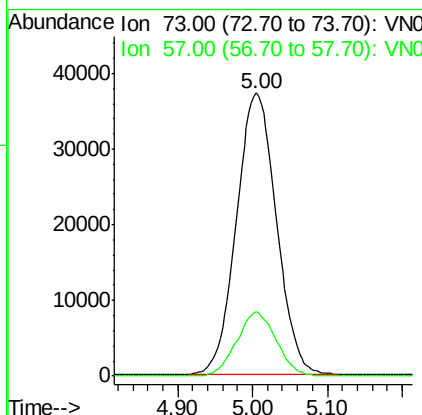
#19
Methyl tert-butyl Ether
Concen: 18.412 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tot Ion	73	Resp	137443
Ion Ratio	100	Lower	Upper
57	22.9	17.3	25.9

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

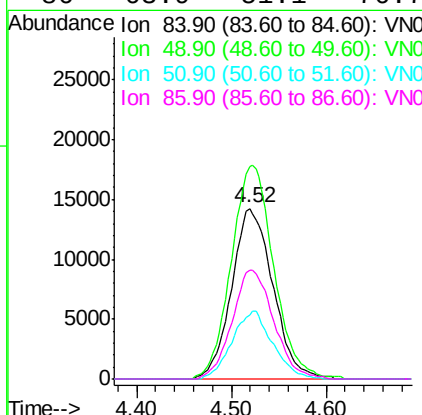
Manual Integrations
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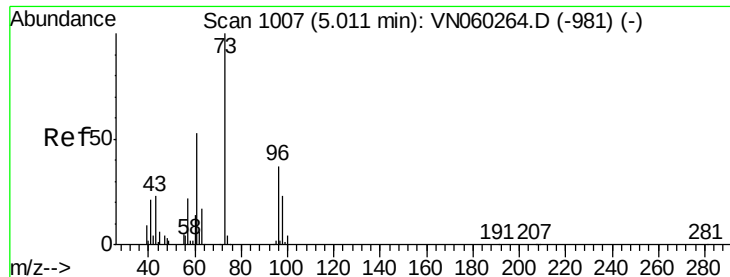
MMDadoda
3/3/2020 10:04:12 AM



#20
Methylene Chloride
Concen: 17.739 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	84	Resp	43197
Ion Ratio	100	Lower	Upper
49	124.4	99.3	148.9
51	37.9	30.1	45.1
86	63.9	51.1	76.7





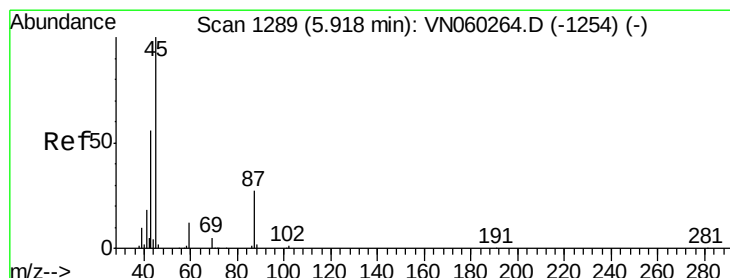
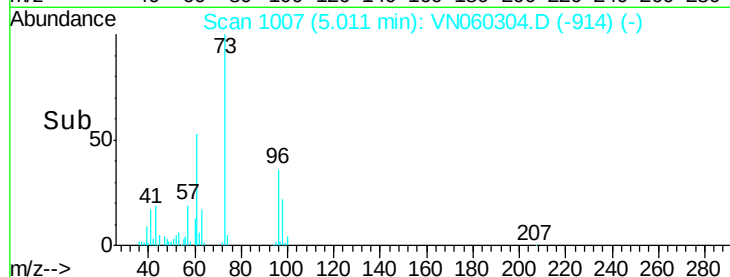
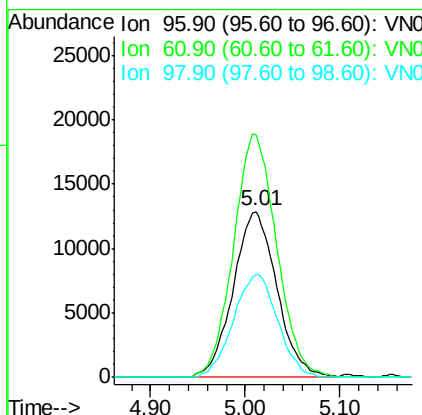
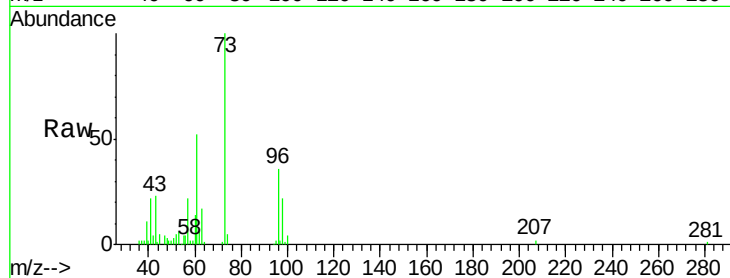
#21
trans-1,2-Dichloroethene
Concen: 18.372 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.9	113.8	170.8
98	62.2	48.8	73.2

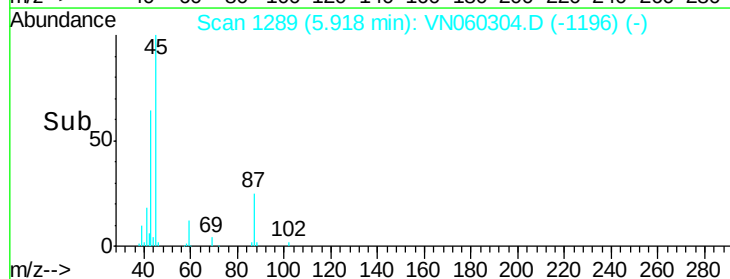
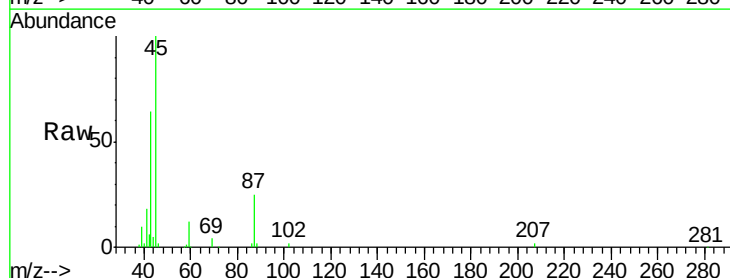
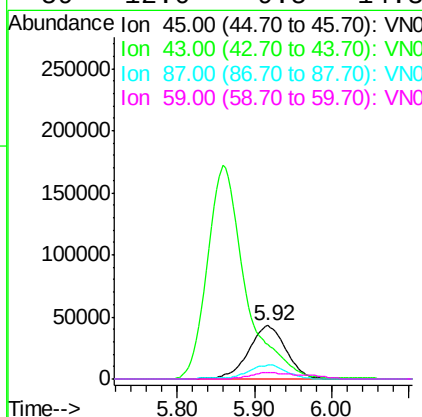
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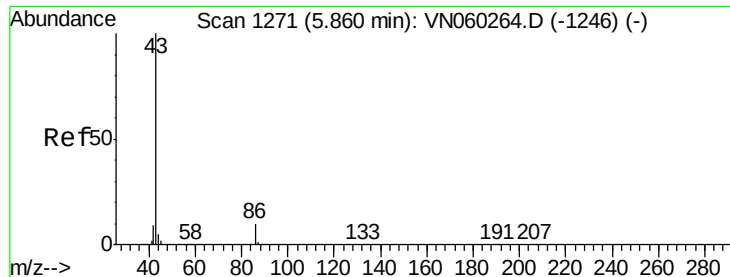
MMDadoda
3/3/2020 10:04:12 AM



#22
Diisopropyl ether
Concen: 18.897 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	48.6	72.8
87	25.5	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 96.551 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 43 Resp: 589134

Ion Ratio Lower Upper

43 100

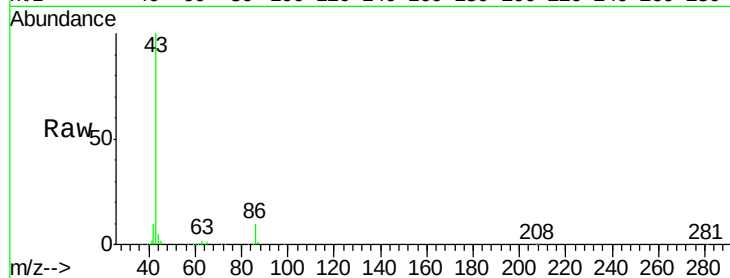
86 9.8 8.0 12.0

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

200000

150000

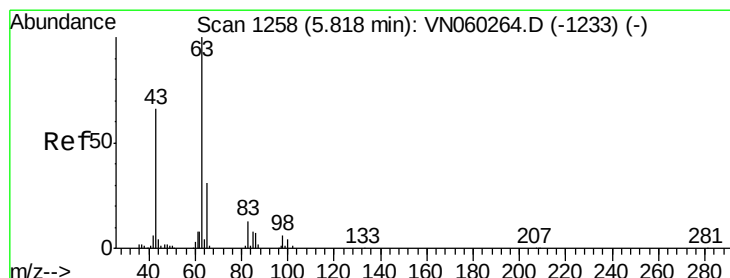
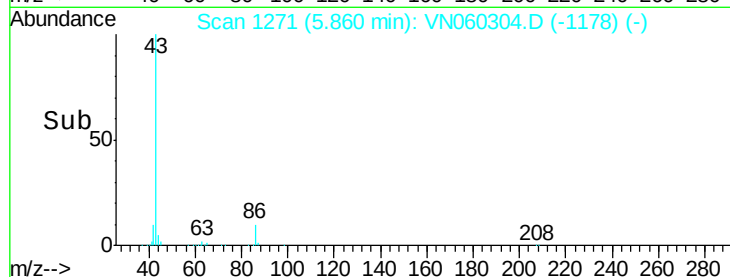
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 18.819 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

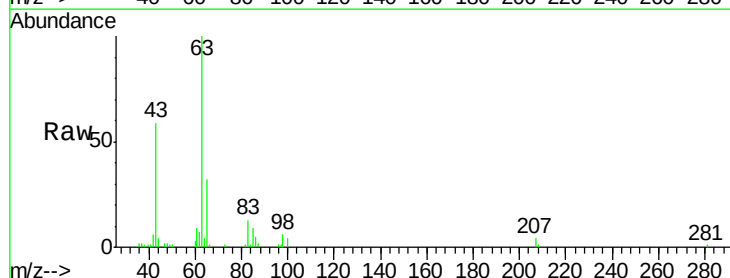
Tgt Ion: 63 Resp: 81799

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

30000

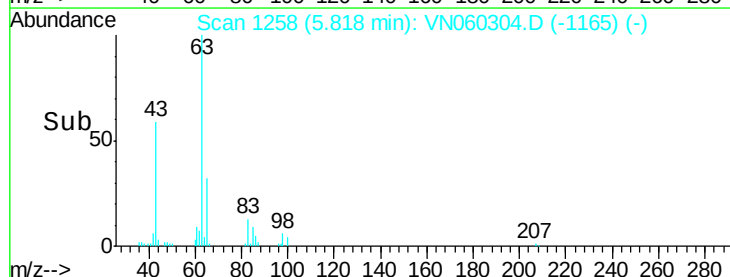
20000

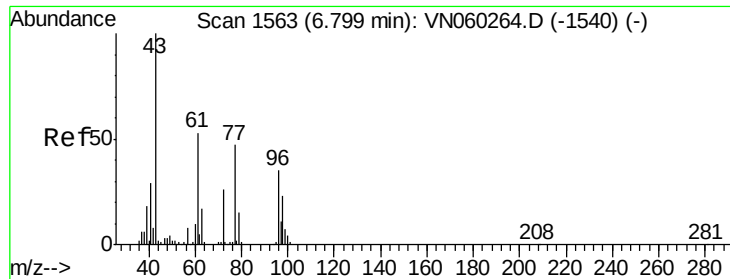
10000

0

5.70 5.80 5.90

Time-->





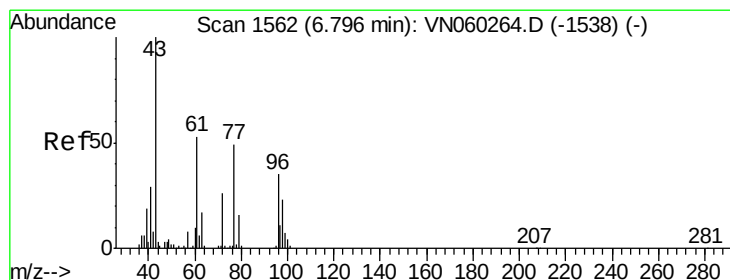
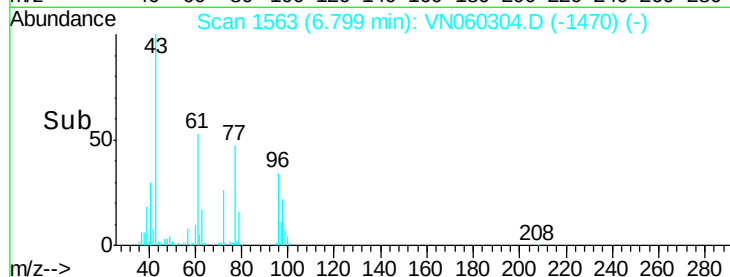
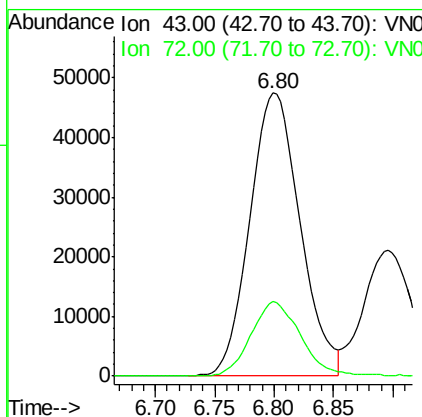
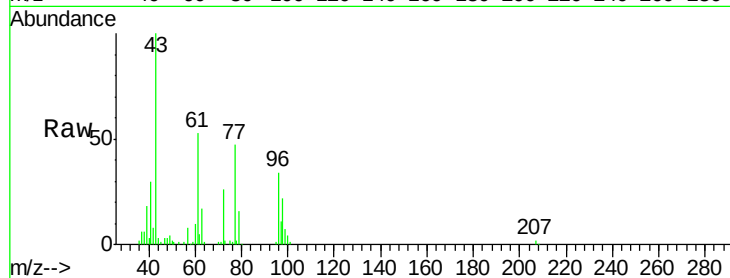
#25
2-Butanone
Concen: 97.153 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

Tot Ion	43	Resp	139143
Ion Ratio	100	Lower	Upper
72	26.3	20.9	31.3

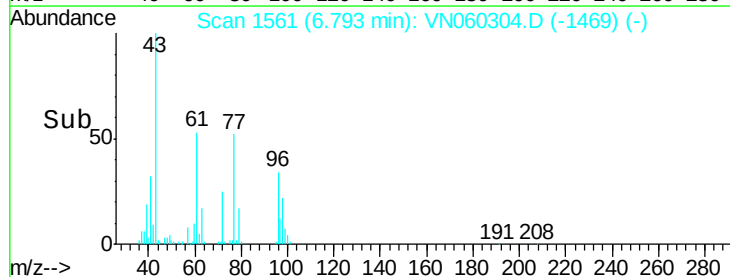
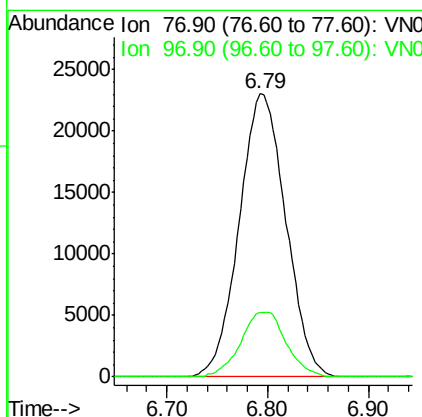
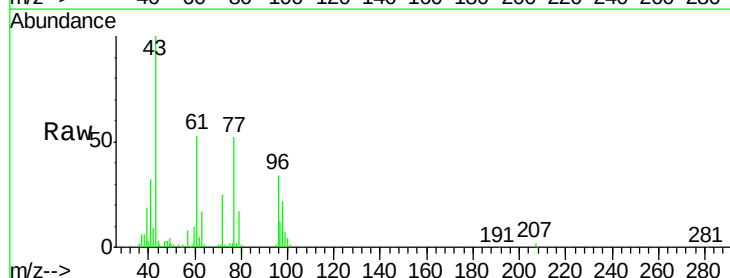
Manual Integrations
APPROVED

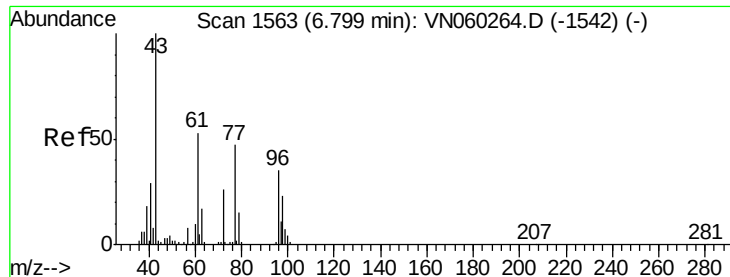
MMDadoda
3/3/2020 10:04:12 AM



#26
2,2-Dichloropropane
Concen: 18.666 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	77	Resp	73863
Ion Ratio	100	Lower	Upper
97	22.2	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 17.062 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

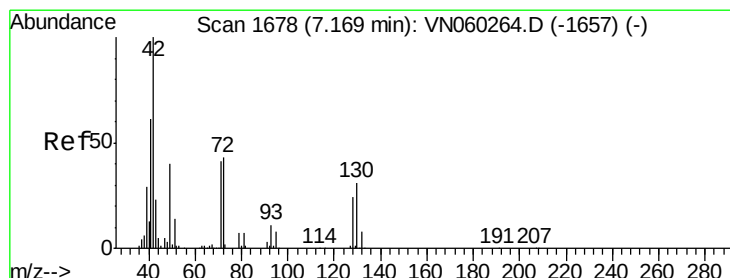
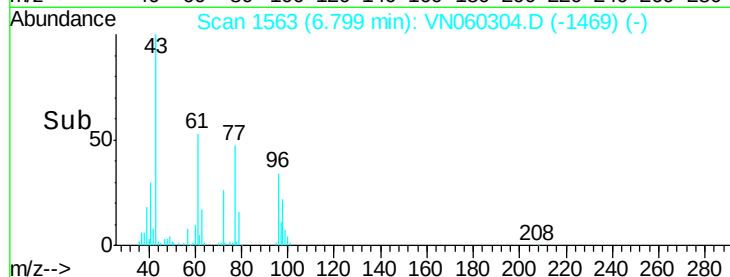
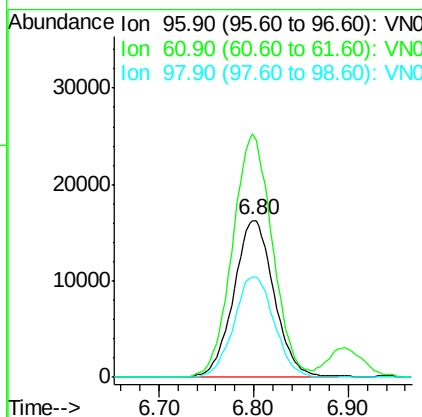
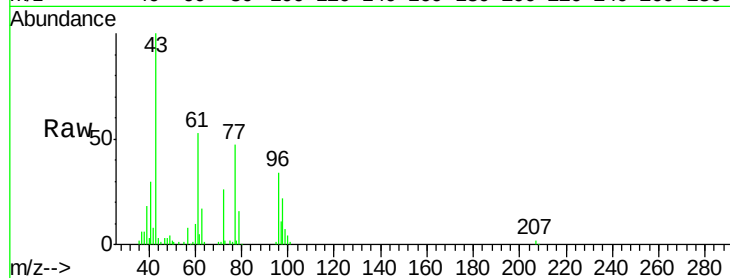
ClientSampleId :

VN0302WBSD01

Tot Ion:	96	Resp:	48177
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	300.8
98	64.1	0.0	128.2

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:12 AM



#28

Bromochloromethane

Concen: 18.215 ug/l

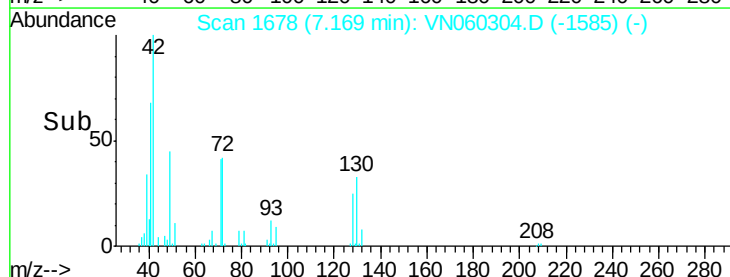
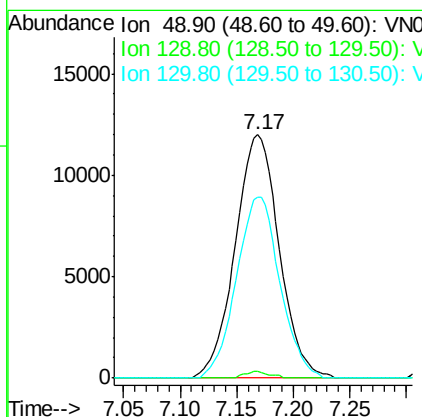
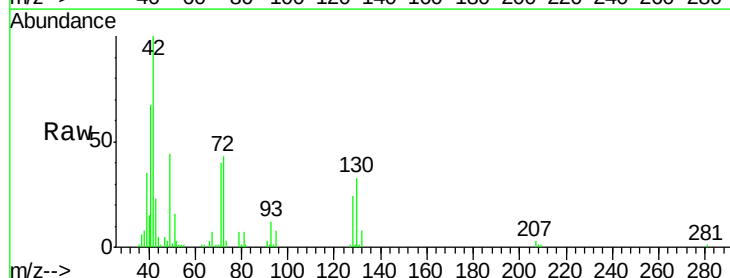
RT: 7.17 min Scan# 1678

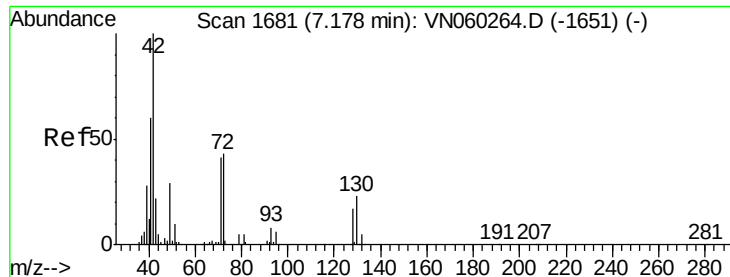
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	49	Resp:	32508
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	73.2	59.8	89.8





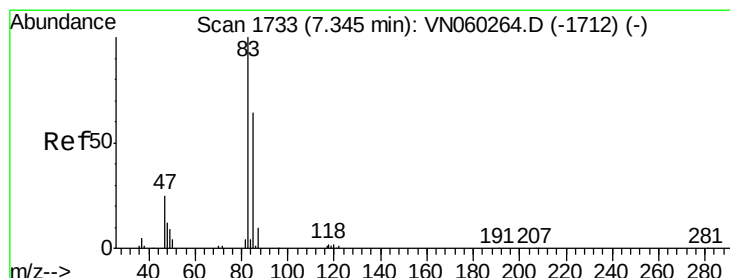
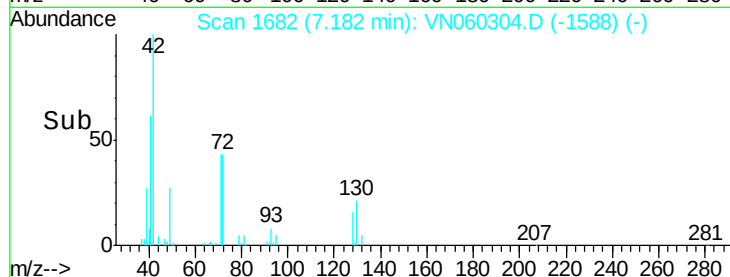
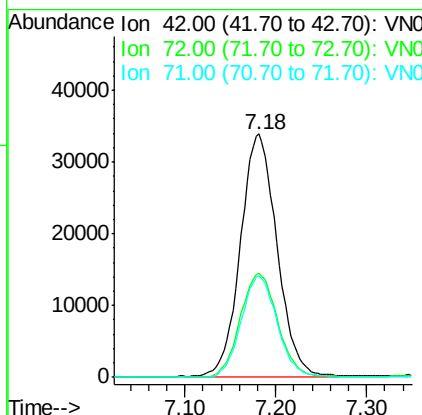
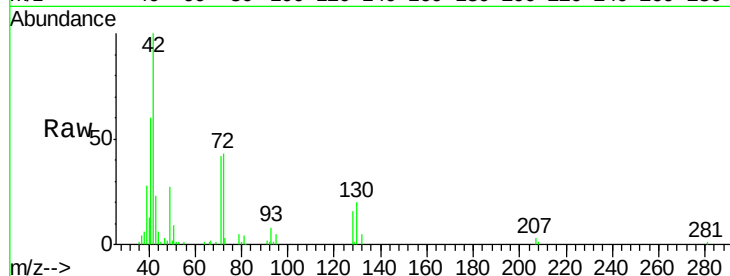
#29
Tetrahydrofuran
Concen: 95.601 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.6	52.0
71	40.7	32.9	49.3

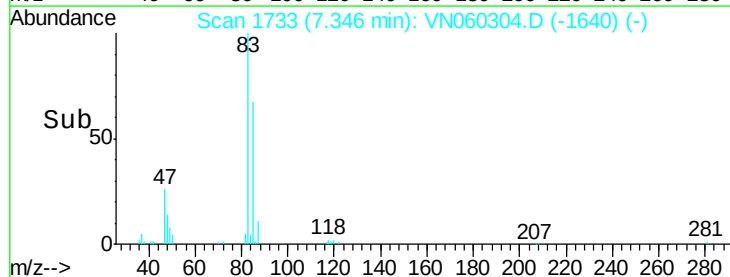
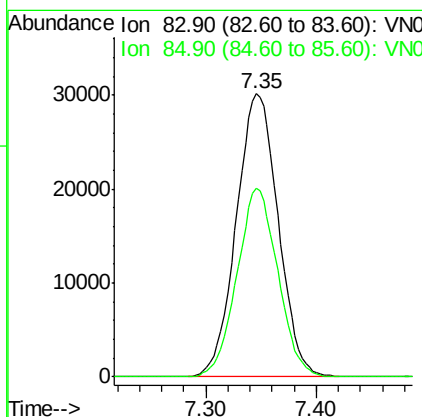
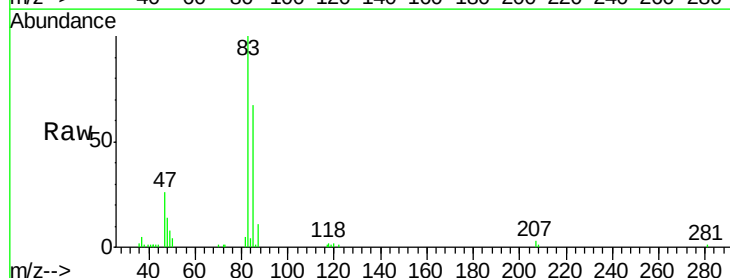
Manual Integrations
APPROVED

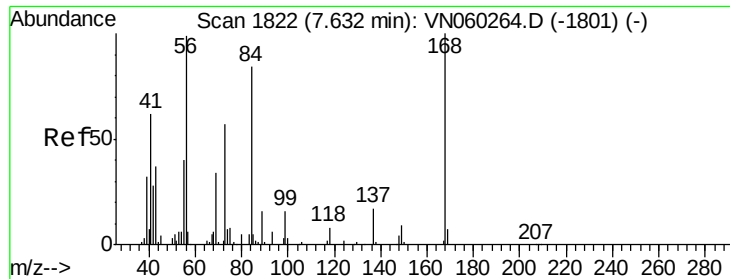
MMDadoda
3/3/2020 10:04:12 AM



#30
Chloroform
Concen: 18.315 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.4	77.2





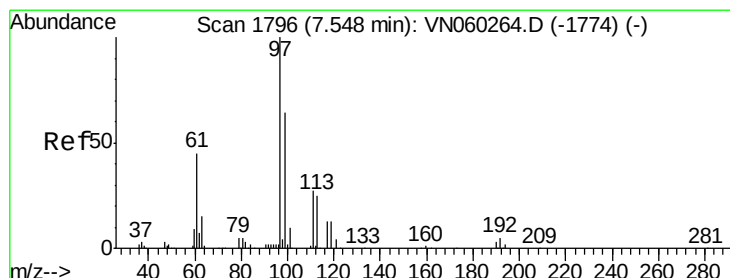
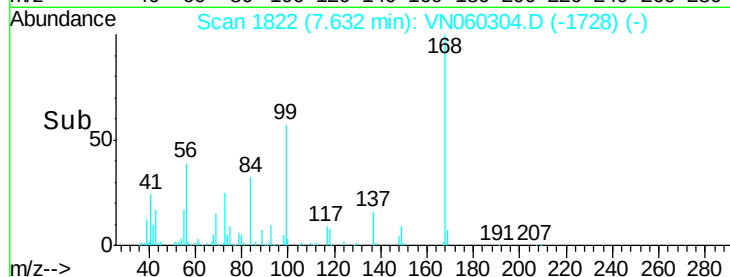
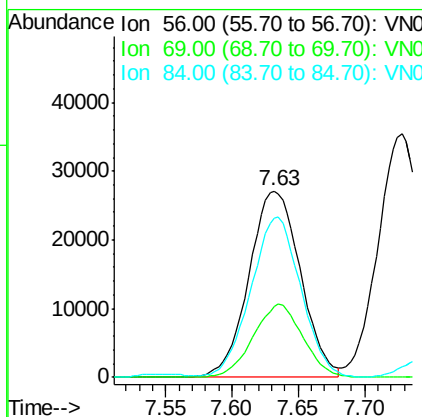
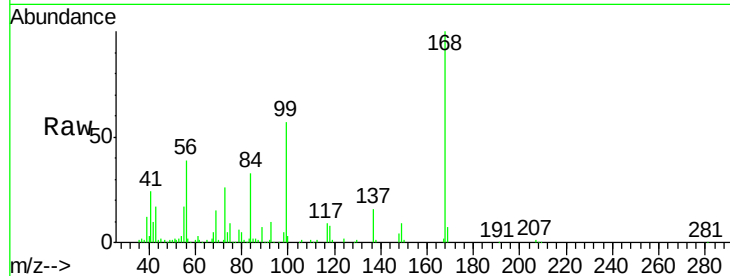
#31
Cyclohexane
Concen: 18.972 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.2	40.8
84	84.8	66.7	100.1

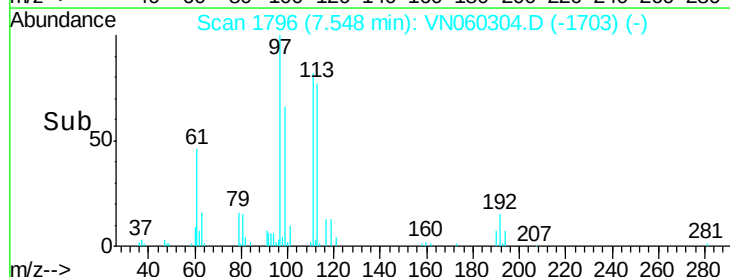
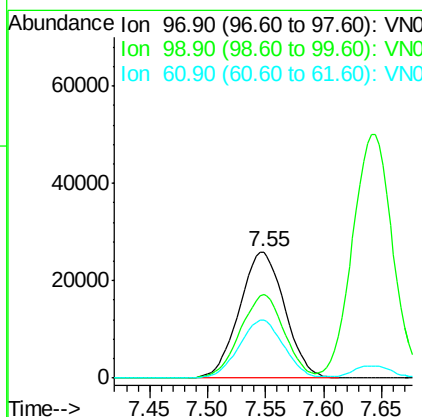
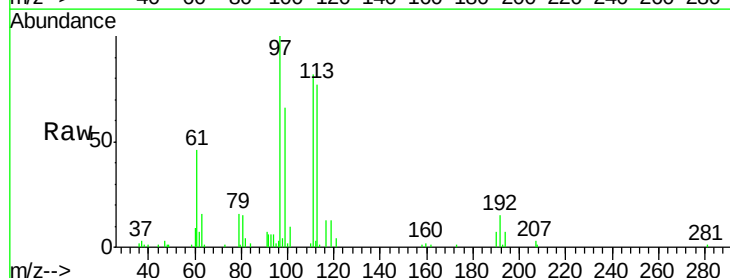
Manual Integrations
APPROVED

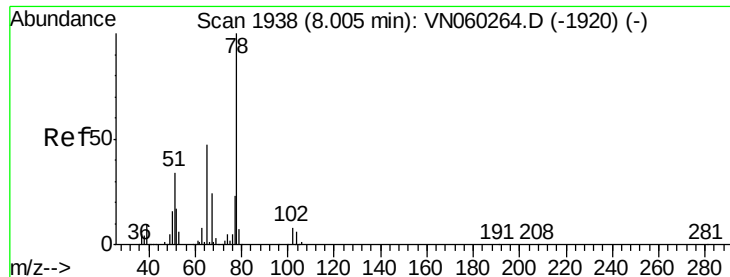
MMDadoda
3/3/2020 10:04:12 AM



#32
1,1,1-Trichloroethane
Concen: 18.341 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	45.5	36.6	55.0





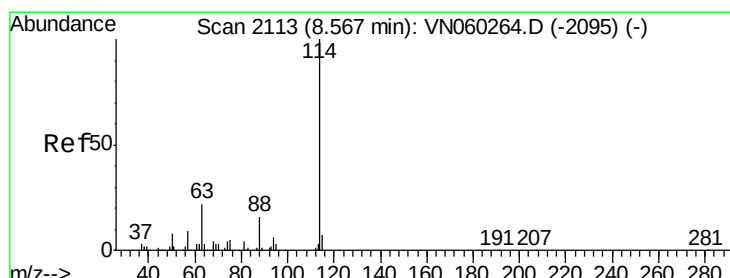
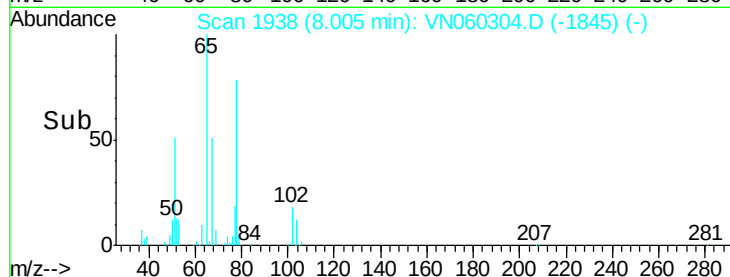
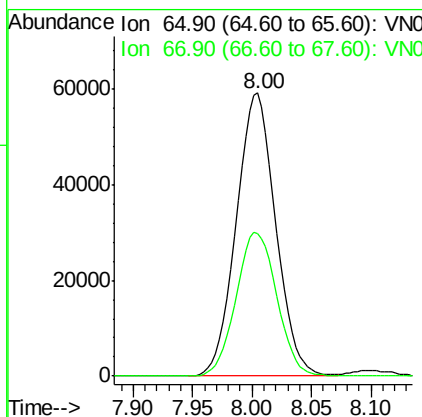
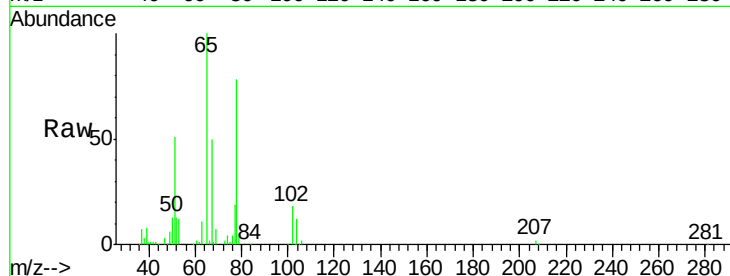
#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.8	

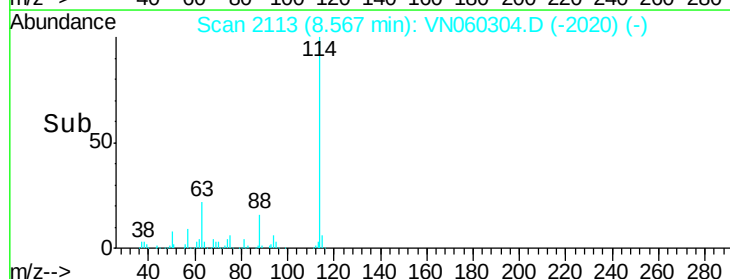
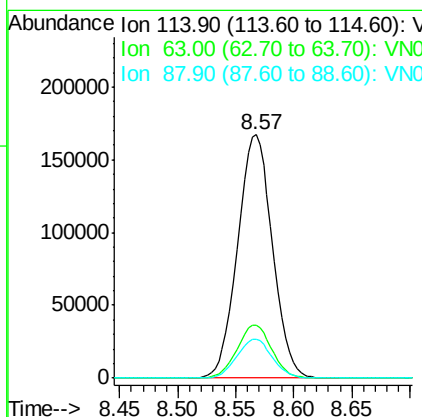
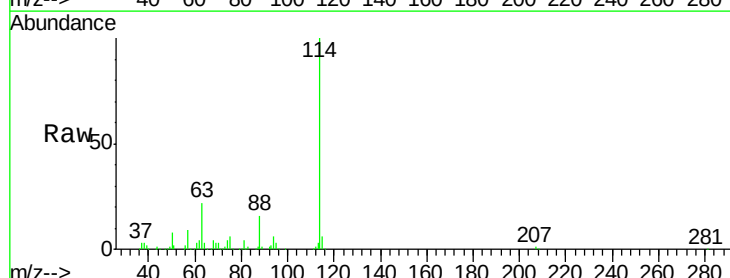
Manual Integrations
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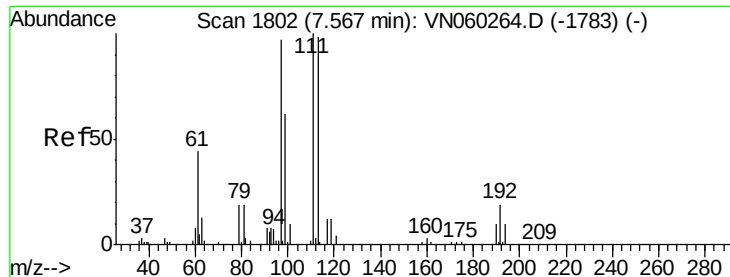
MMDadoda
 3/3/2020 10:04:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.2	
88	16.1	0.0	31.6	





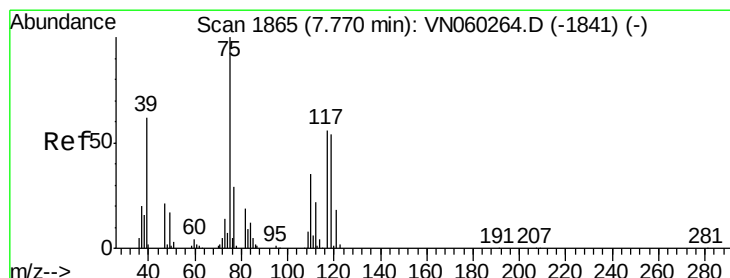
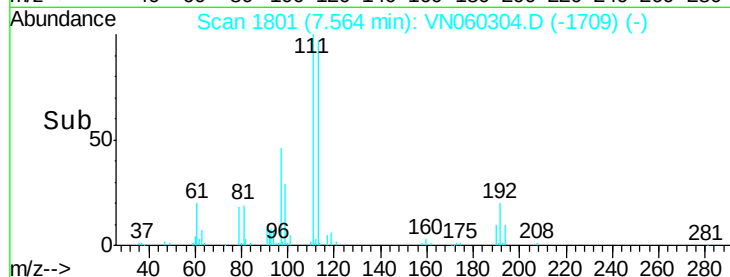
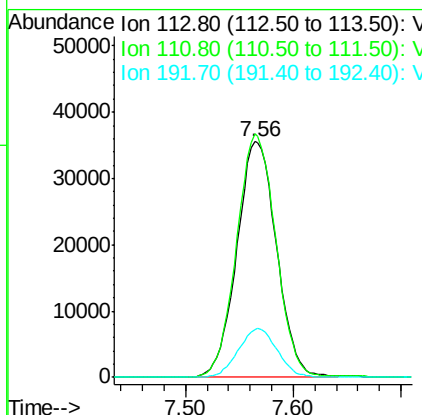
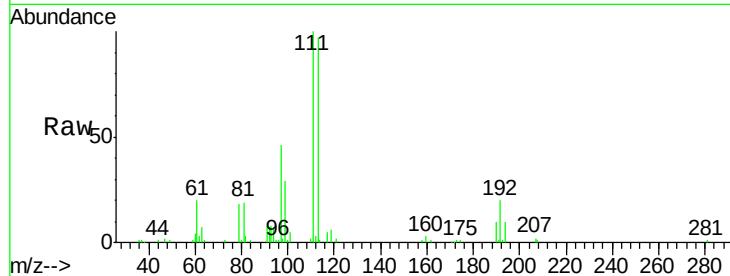
#35
 Dibromofluoromethane
 Concen: 56.273 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	20.1	16.2	24.2

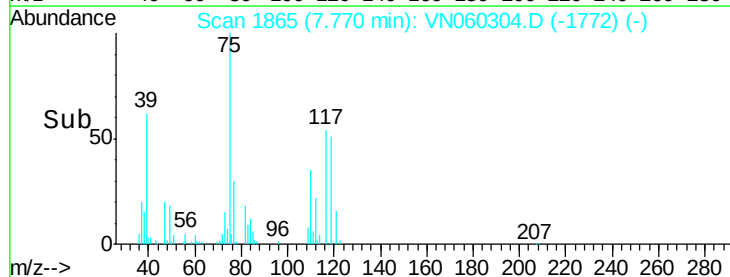
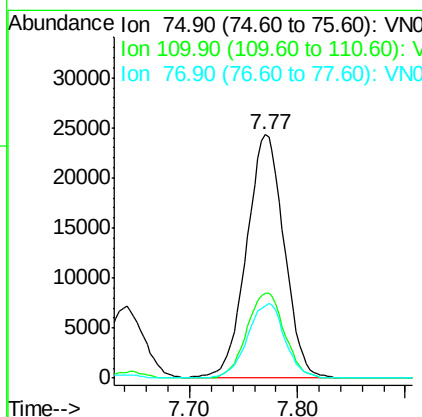
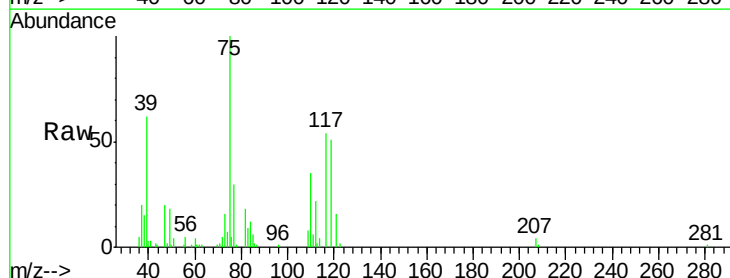
Manual Integrations
 APPROVED

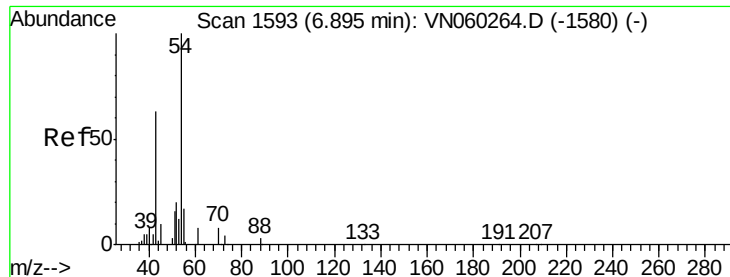
MMDadoda
 3/3/2020 10:04:12 AM



#36
 1,1-Dichloropropene
 Concen: 17.708 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.3	52.0
77	30.5	24.2	36.2





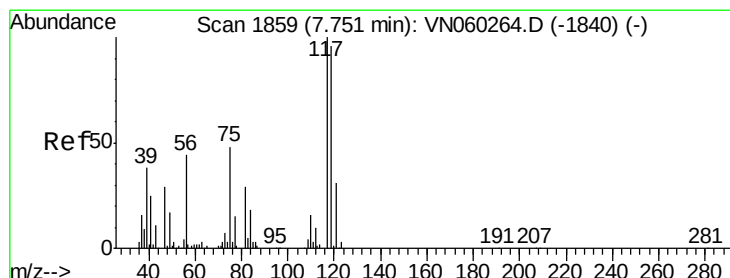
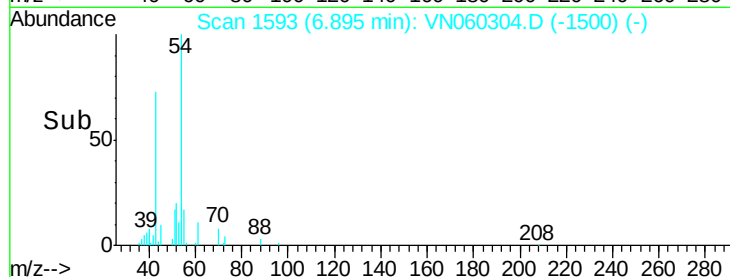
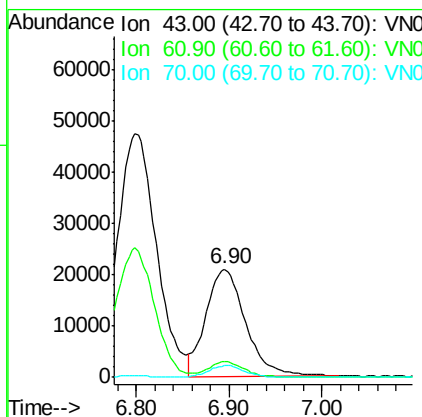
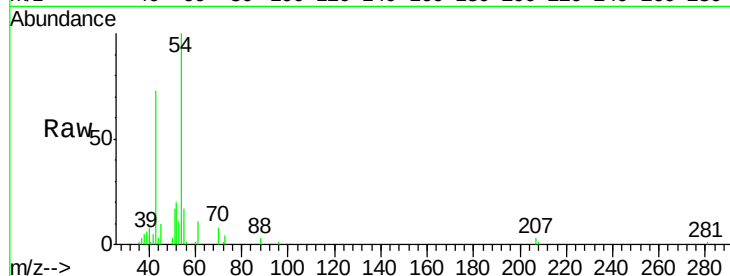
#37
Ethyl Acetate
Concen: 19.834 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

Tot Ion	43	Resp	62400
Ion Ratio	100	Lower	Upper
43	100		
61	13.2	11.1	16.7
70	9.9	8.4	12.6

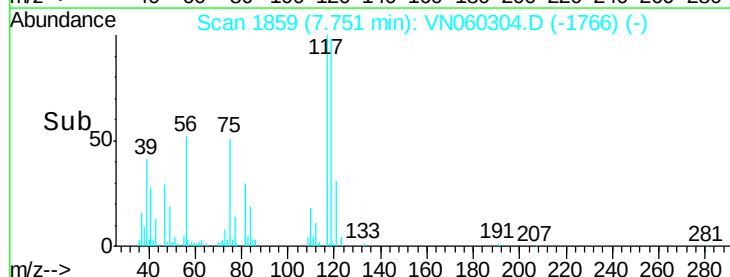
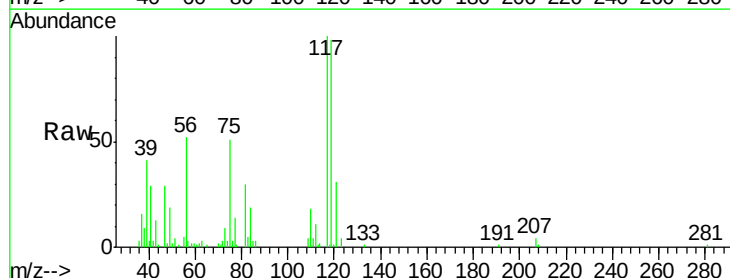
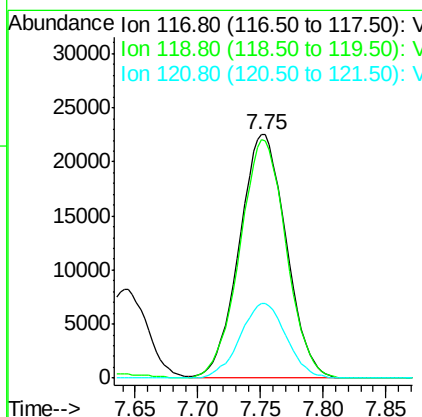
Manual Integrations
APPROVED

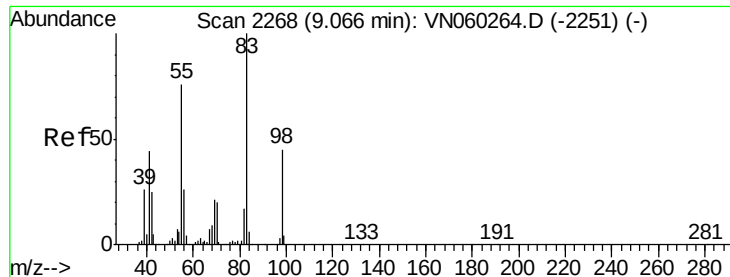
MMDadoda
3/3/2020 10:04:12 AM



#38
Carbon Tetrachloride
Concen: 18.113 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	117	Resp	58595
Ion Ratio	100	Lower	Upper
117	100		
119	97.9	76.7	115.1
121	30.5	24.5	36.7





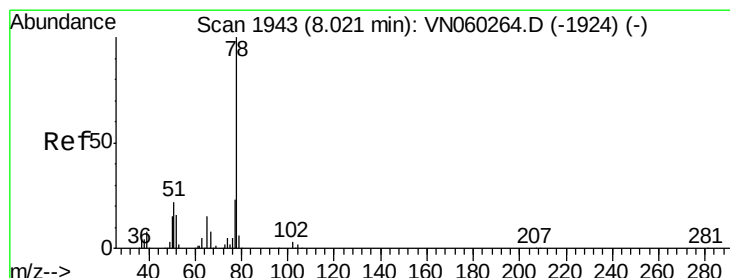
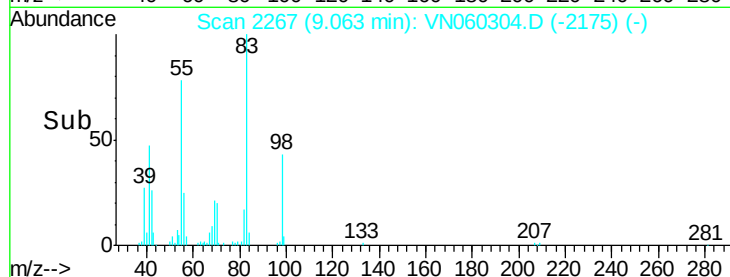
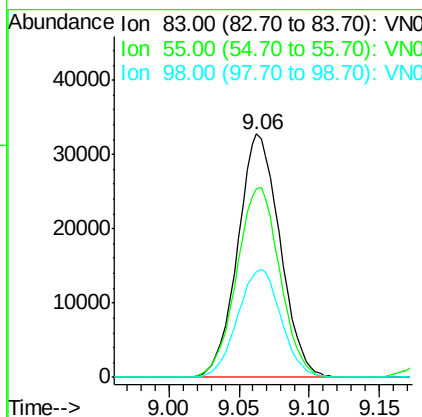
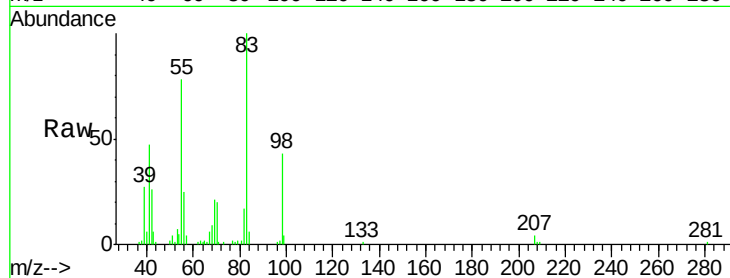
#39
Methylvlcyclohexane
Concen: 17.510 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.0	91.4
98	43.3	36.1	54.1

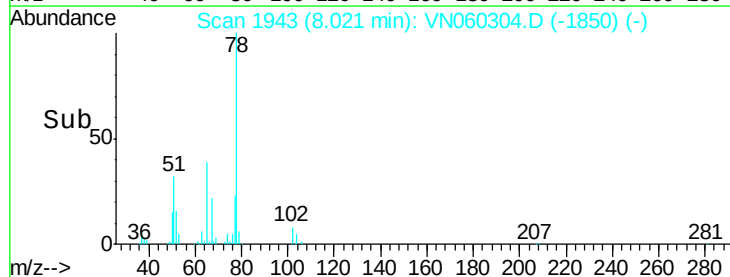
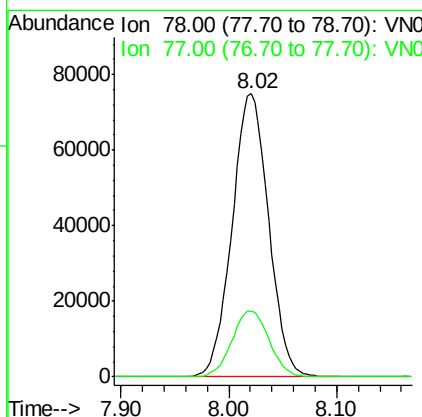
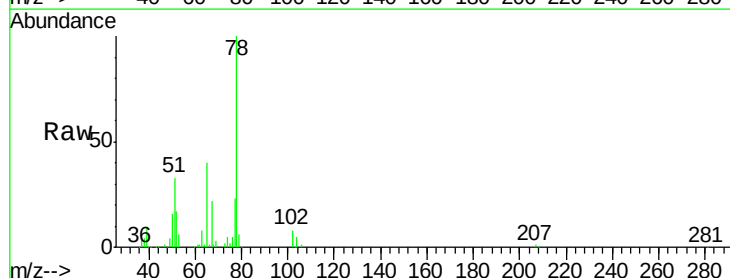
Manual Integrations
APPROVED

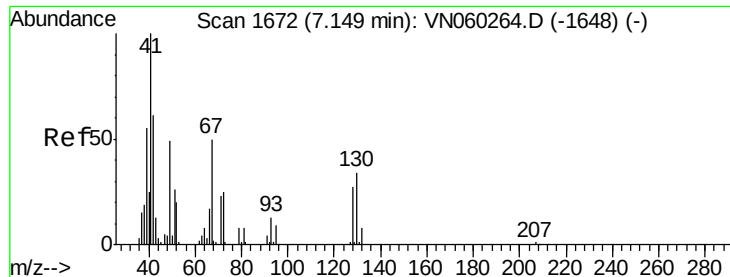
MMDadoda
3/3/2020 10:04:12 AM



#40
Benzene
Concen: 18.231 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





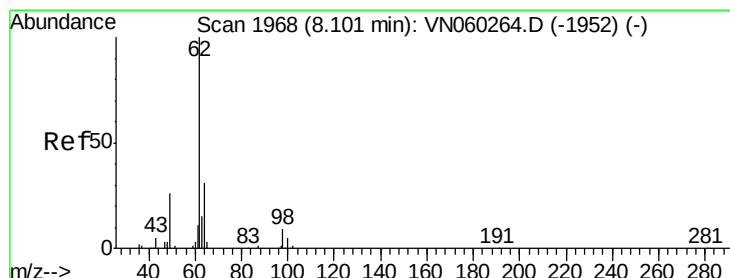
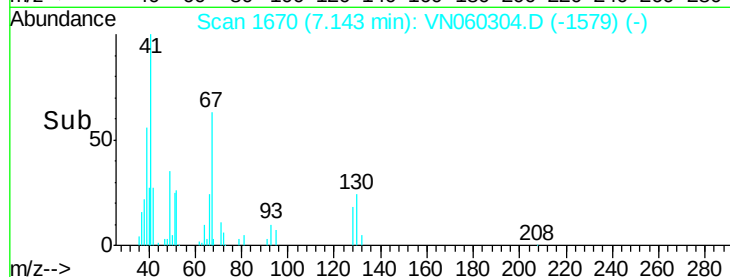
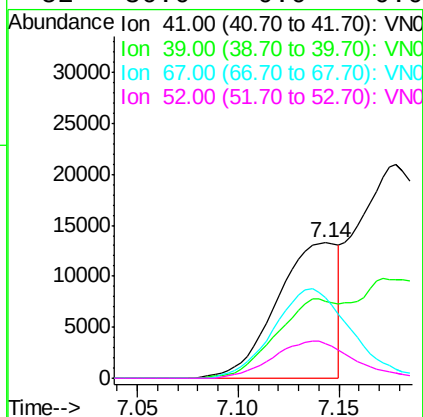
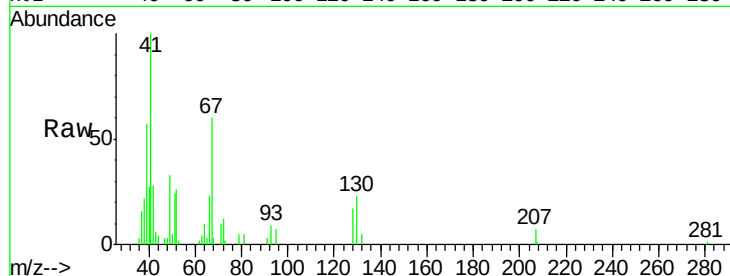
#41
Methacrylonitrile
Concen: 19.235 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	41	Resp	27942
Ion Ratio	Lower	Upper	
41	100		
39	57.5	0.0	0.0#
67	84.4	0.0	0.0#
52	36.0	0.0	0.0#

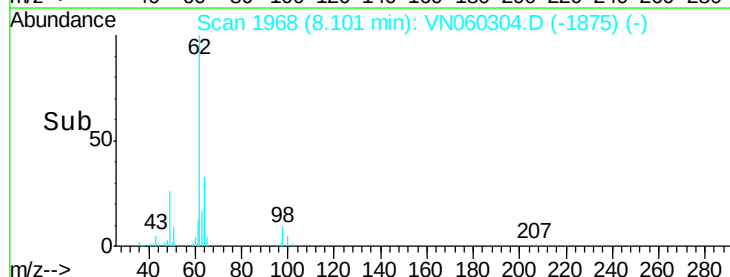
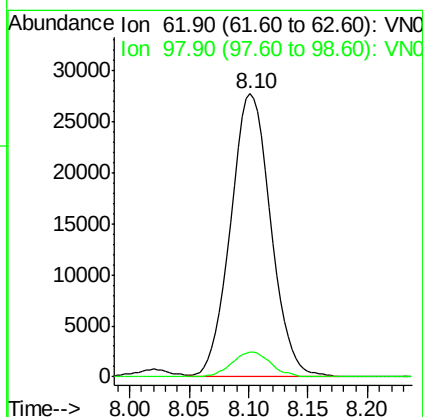
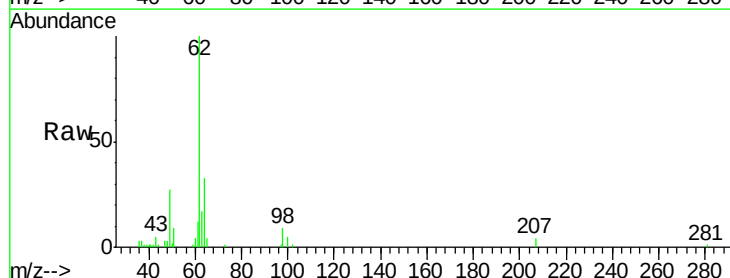
Manual Integrations
APPROVED

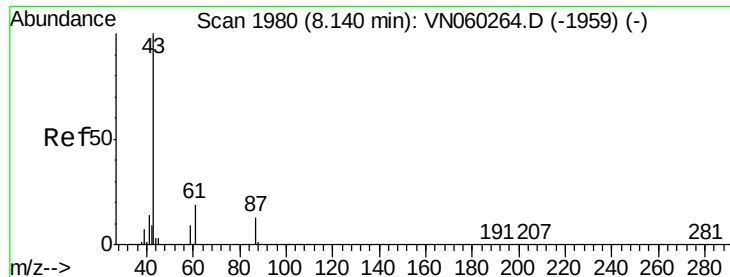
MMDadoda
3/3/2020 10:04:12 AM



#42
1,2-Dichloroethane
Concen: 18.622 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	62	Resp	64987
Ion Ratio	Lower	Upper	
62	100		
98	8.5	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.964 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

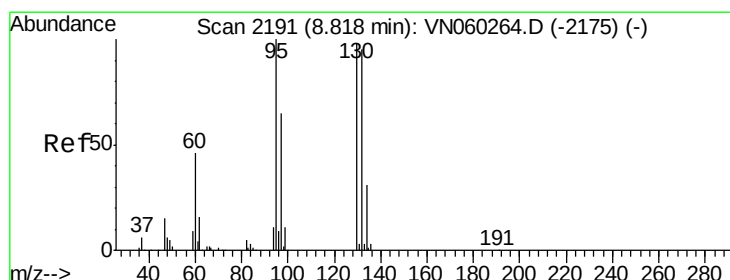
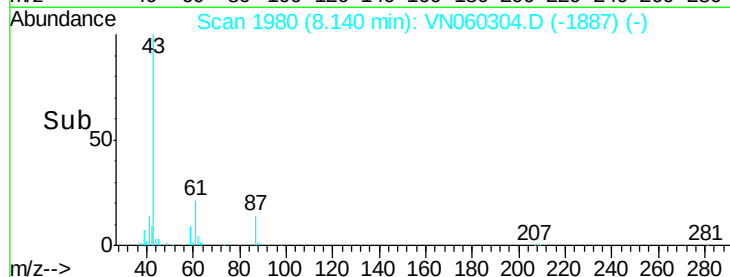
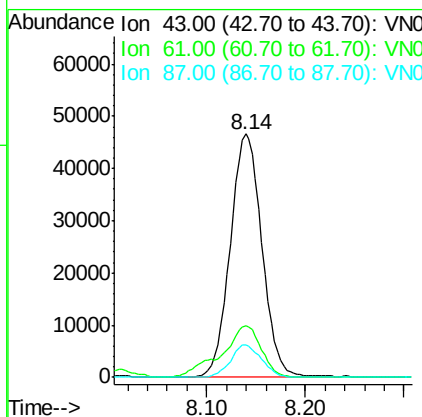
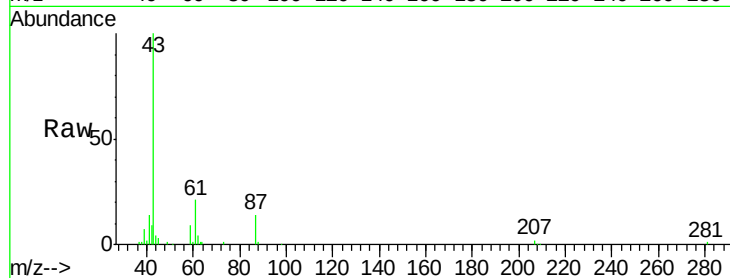
ClientSampleId :

VN0302WBSD01

Tot Ion:	43	Resp:	104451
Ion	Ratio	Lower	Upper
43	100		
61	26.7	20.9	31.3
87	12.8	10.6	16.0

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:12 AM



#44

Trichloroethene

Concen: 17.615 ug/l

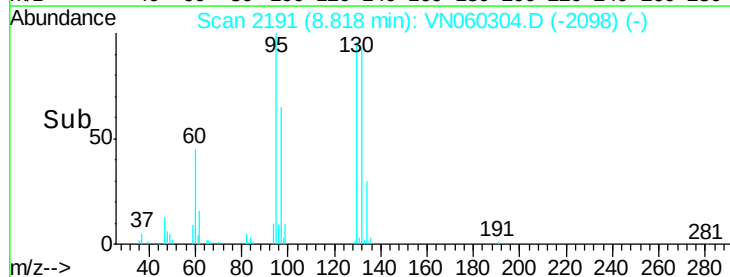
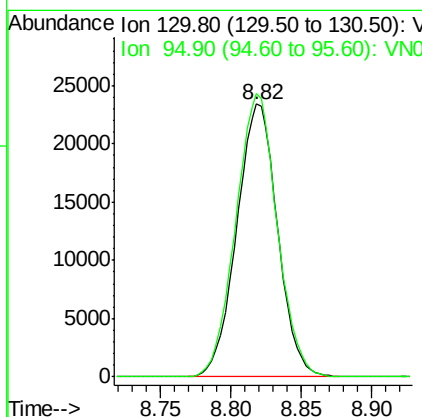
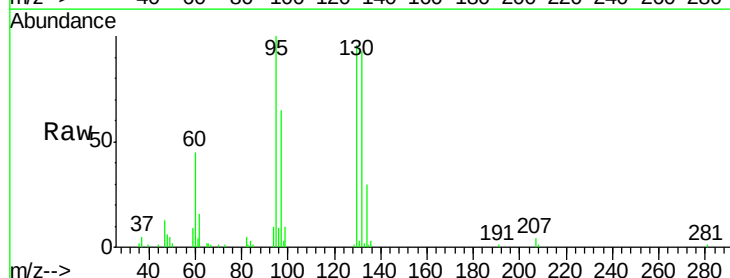
RT: 8.82 min Scan# 2191

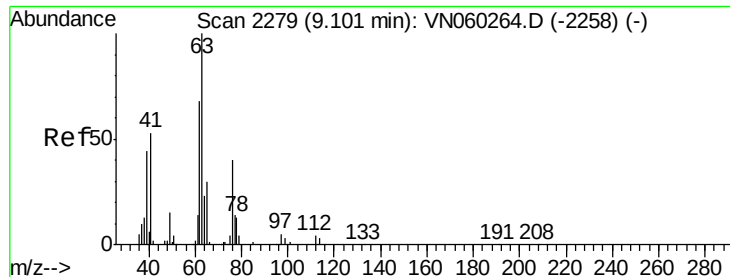
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	130	Resp:	47443
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.4





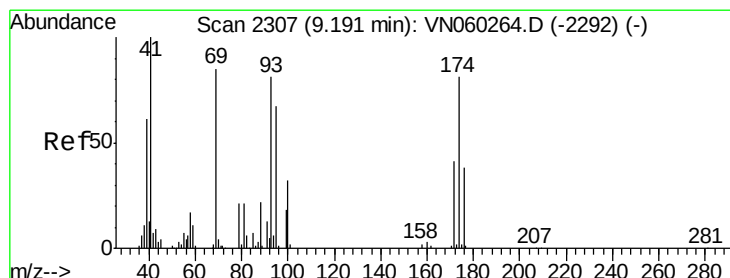
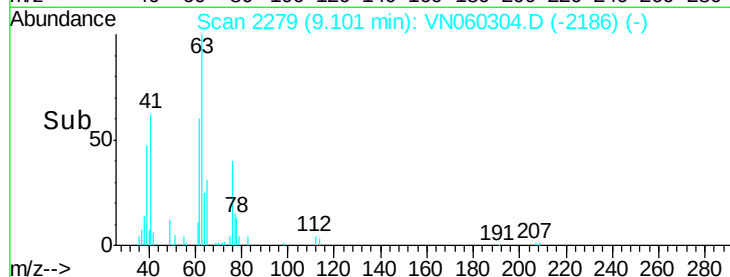
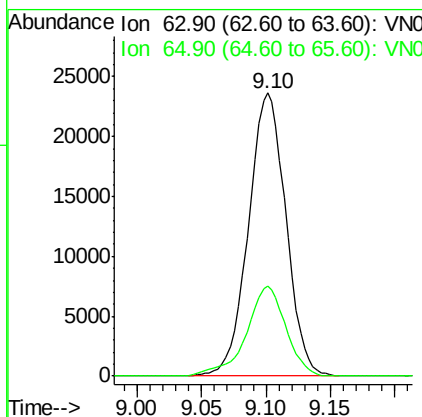
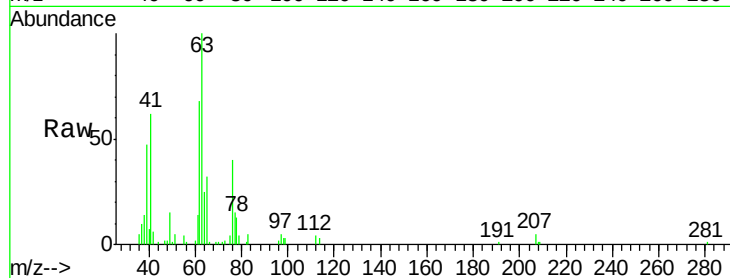
#45
 1,2-Dichloropropane
 Concen: 18.932 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302WBSD01

Tot Ion	63	Resp	47869
Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.4	36.6

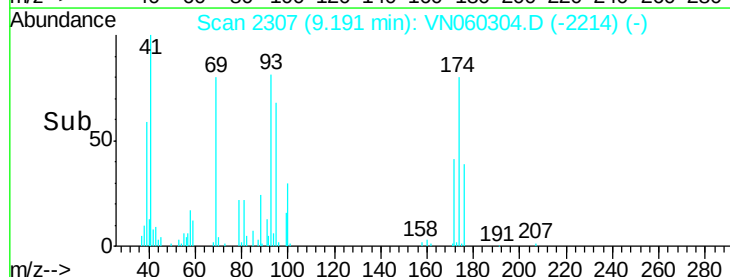
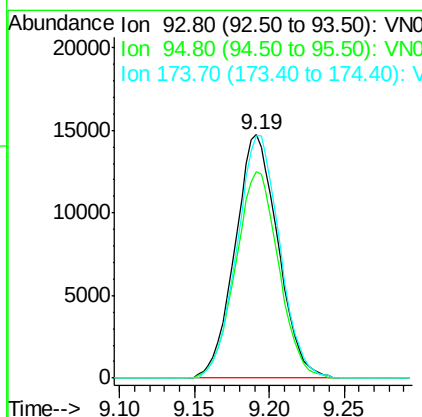
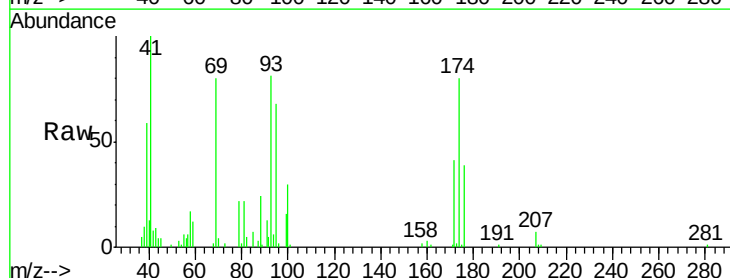
Manual Integrations
 APPROVED

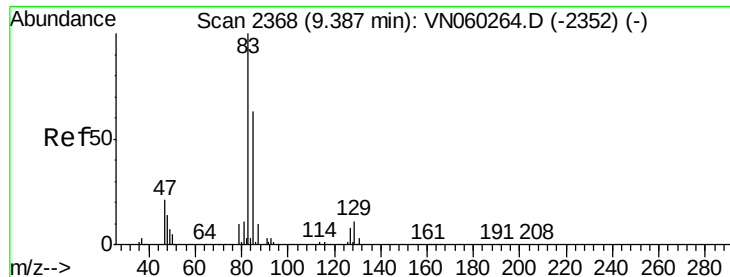
MMDadoda
 3/3/2020 10:04:12 AM



#46
 Dibromomethane
 Concen: 17.915 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	93	Resp	29392
Ion	Ratio	Lower	Upper
93	100		
95	85.0	65.9	98.9
174	99.2	79.6	119.4





#47

Bromodichloromethane

Concen: 18.474 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

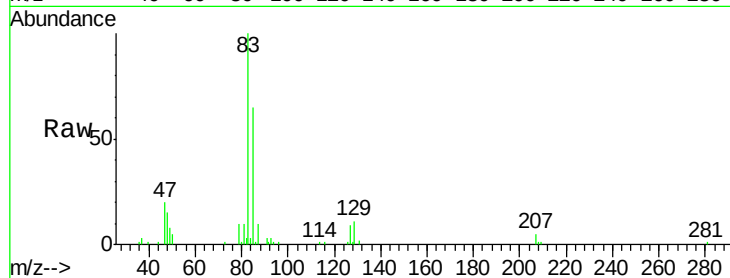
ClientSampleId :

VN0302WBSD01

Tot Ion:	83	Resp:	61643
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.7	76.1
127	8.8	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:12 AM

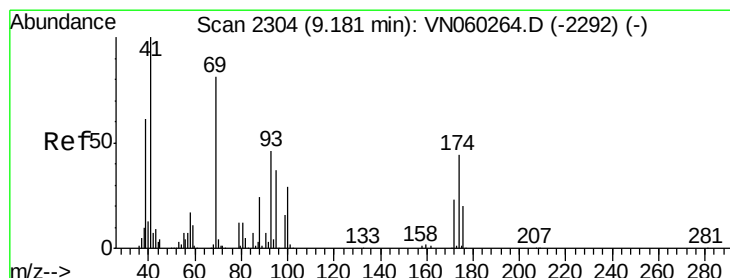
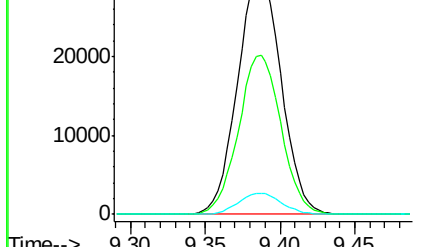
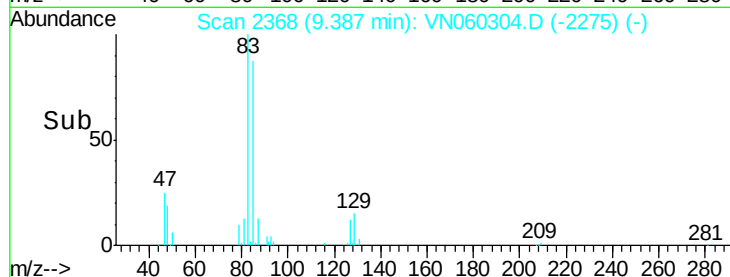


Abundance Ion 82.90 (82.60 to 83.60): VN060304.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060304.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060304.D (-2275) (-)

Time-->



#48

Methyl methacrylate

Concen: 18.112 ug/l

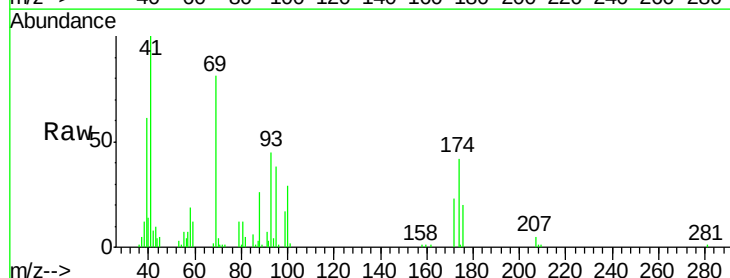
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	41	Resp:	45491
Ion	Ratio	Lower	Upper
41	100		
69	83.5	66.7	100.1
39	62.9	50.1	75.1

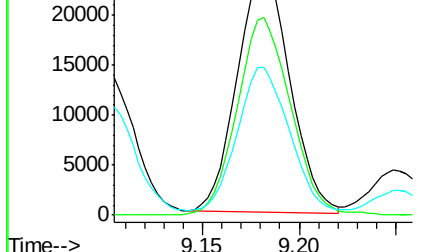
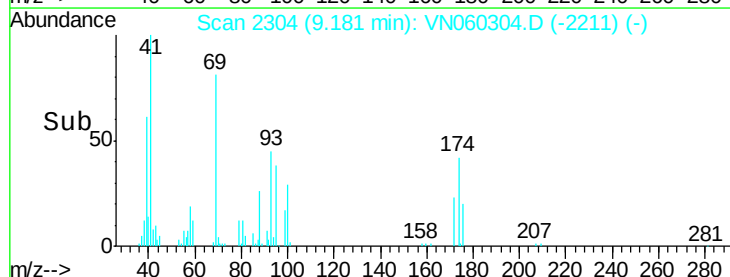


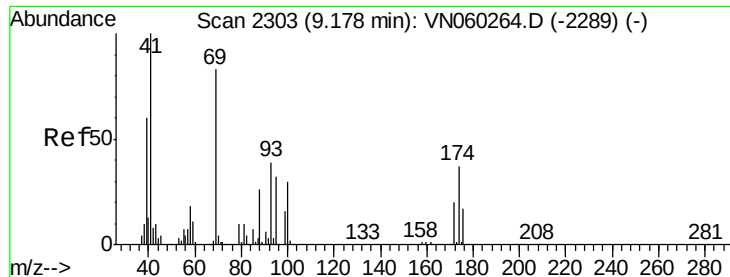
Abundance Ion 41.00 (40.70 to 41.70): VN060304.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060304.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060304.D (-2211) (-)

Time-->





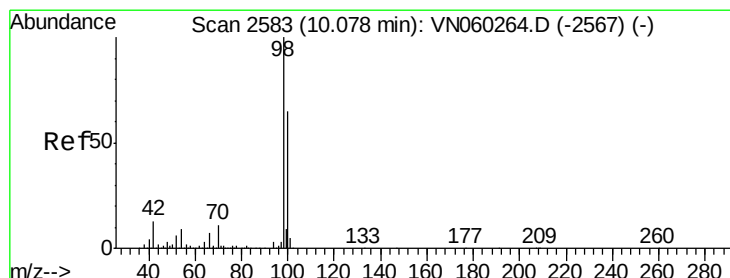
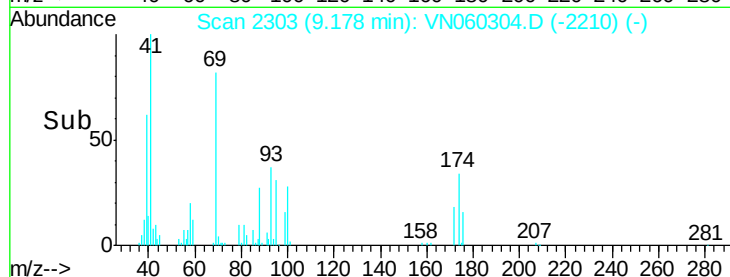
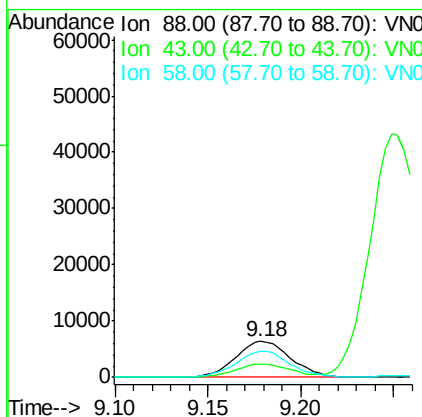
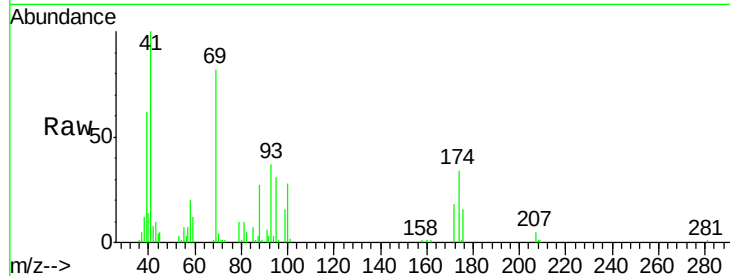
#49
1,4-Dioxane
Concen: 370.410 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.6	30.4	45.6
58	71.8	57.0	85.6

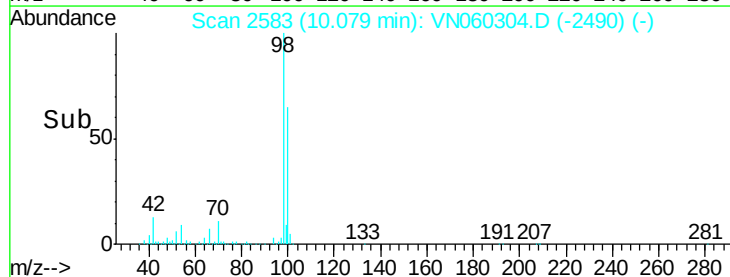
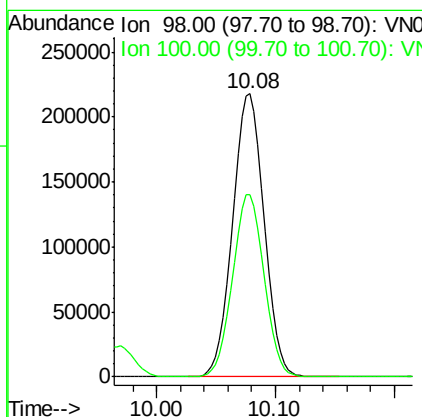
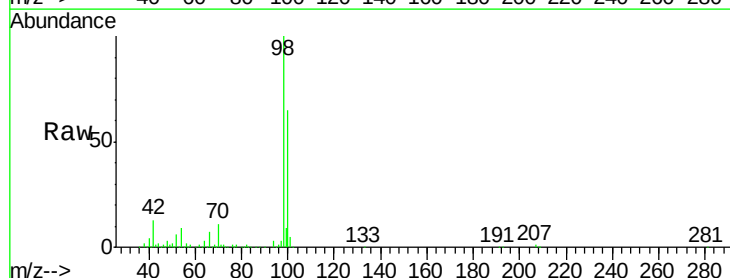
Manual Integrations
APPROVED

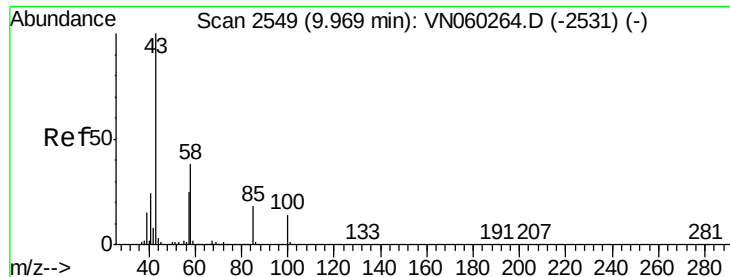
MMDadoda
3/3/2020 10:04:12 AM



#50
Toluene-d8
Concen: 48.698 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.2	78.2





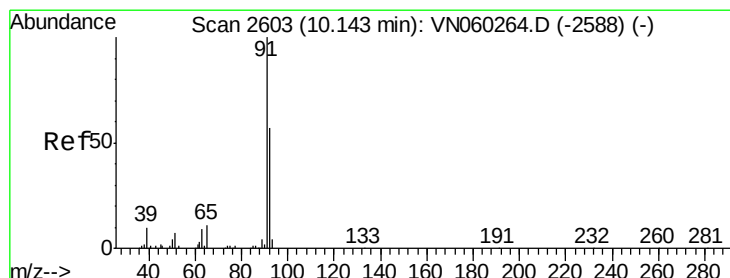
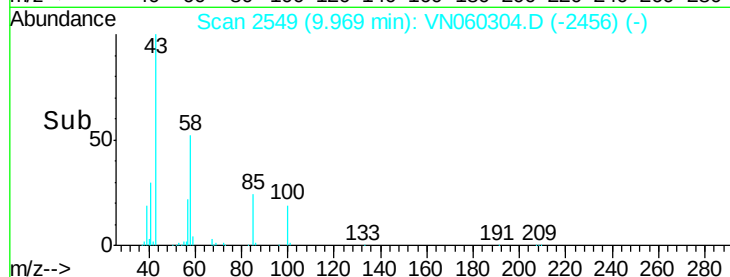
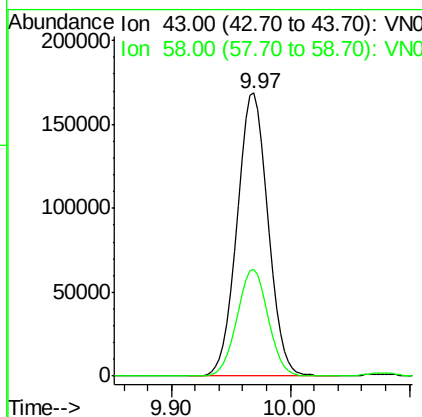
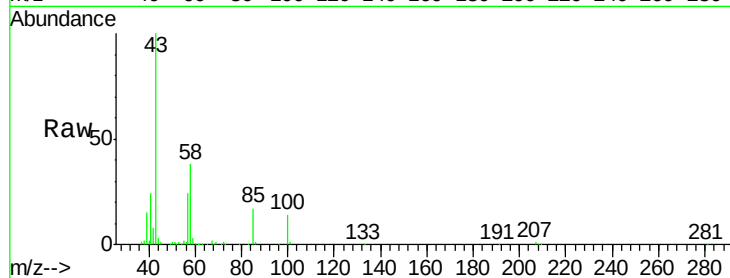
#51
4-Methyl-2-Pentanone
Concen: 97.483 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	37.9	30.9	46.3	

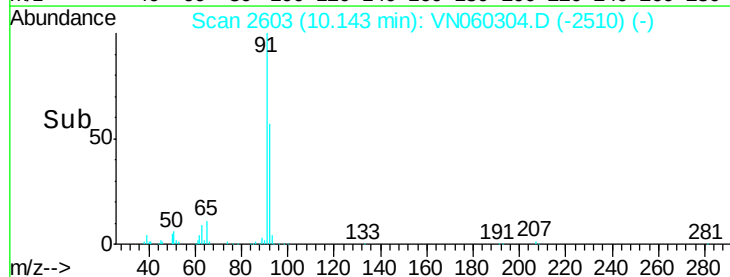
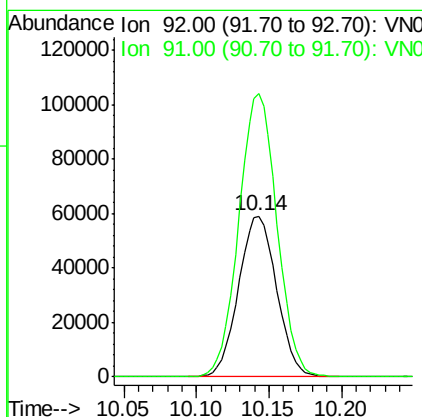
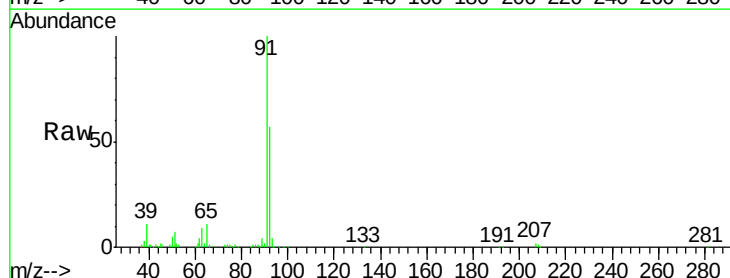
Manual Integrations
APPROVED

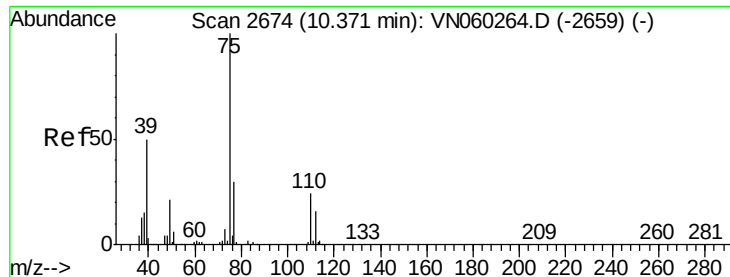
MMDadoda
3/3/2020 10:04:12 AM



#52
Toluene
Concen: 17.758 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ion	Ratio	Lower	Upper
92	100			
91	176.0	138.1	207.1	





#53

t-1,3-Dichloropropene

Concen: 17.608 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 75 Resp: 71991

Ion Ratio Lower Upper

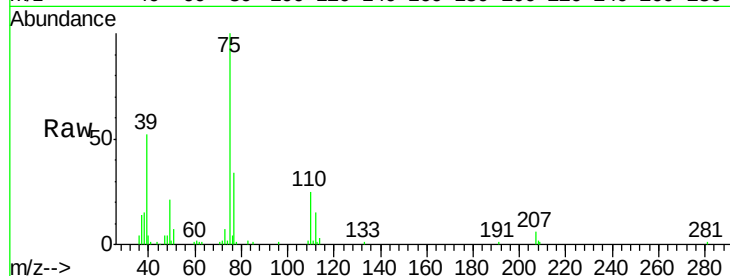
75 100

77 32.6 24.8 37.2

Manual Integrations
APPROVED

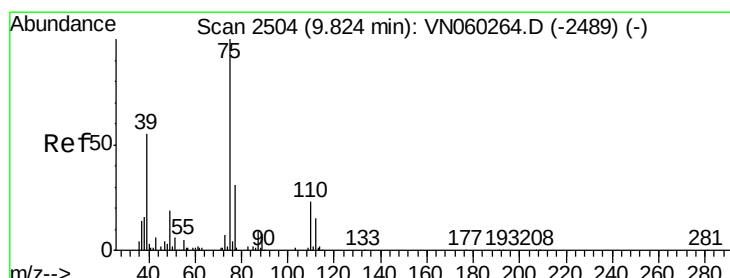
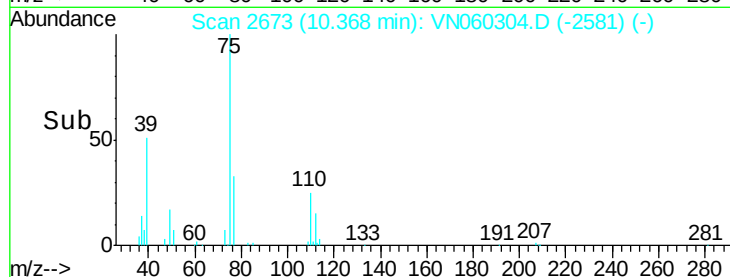
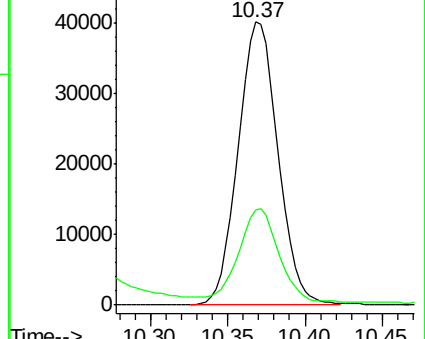
MMDadoda

3/3/2020 10:04:12 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.065 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

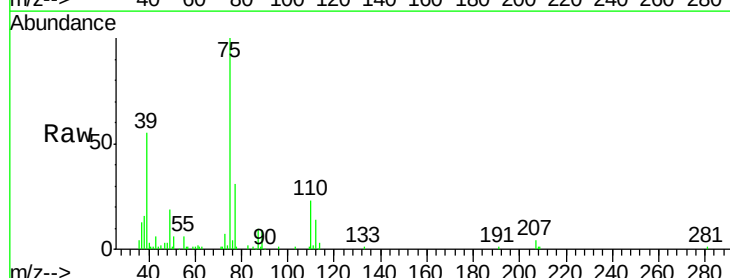
Tgt Ion: 75 Resp: 76535

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

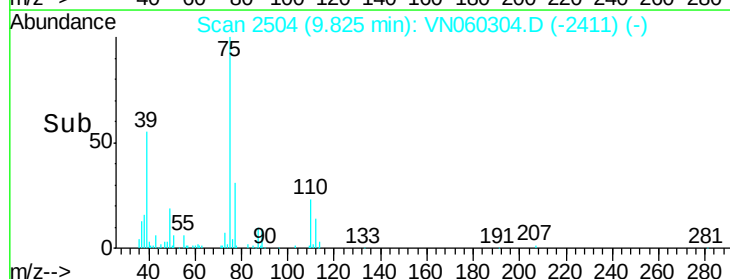
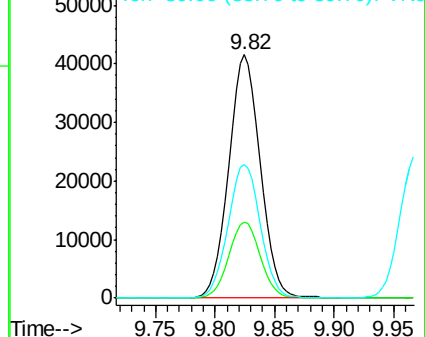
39 55.1 43.8 65.8

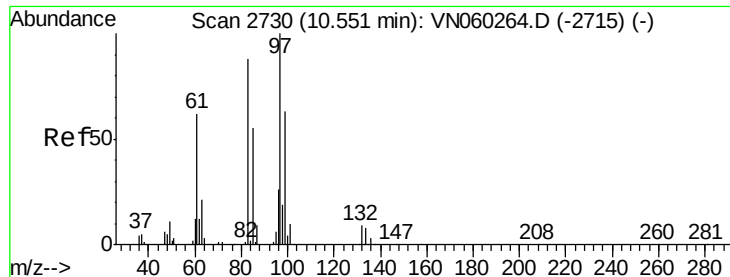


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





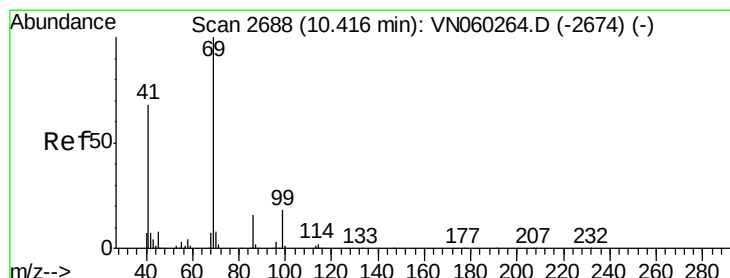
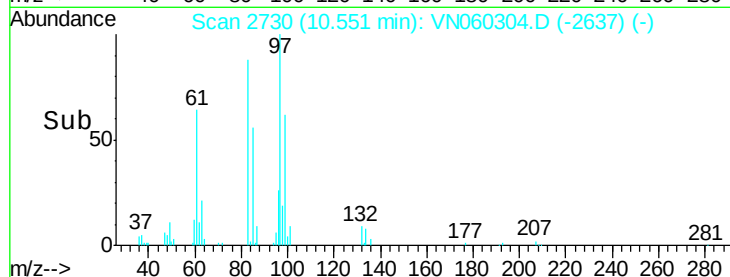
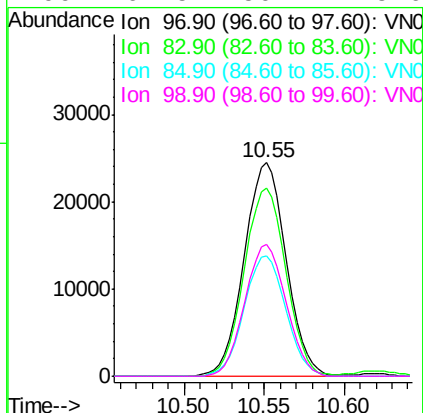
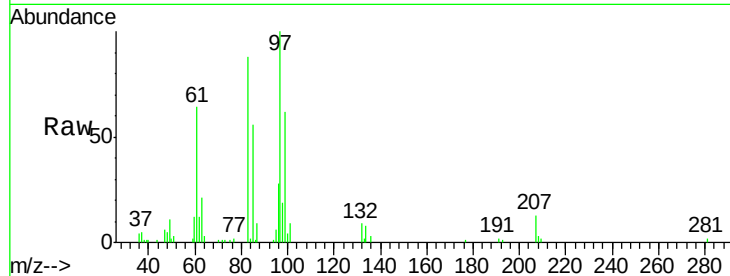
#55
 1,1,2-Trichloroethane
 Concen: 17.986 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.0	105.0
85	56.5	44.0	66.0
99	61.5	50.4	75.6

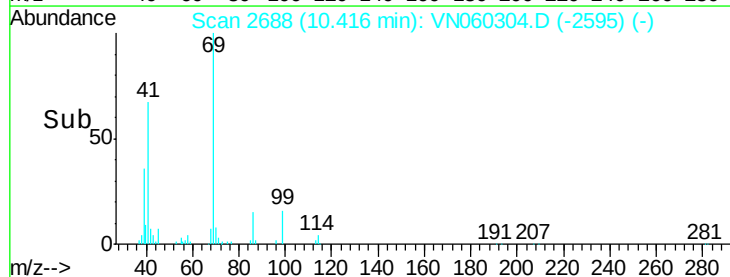
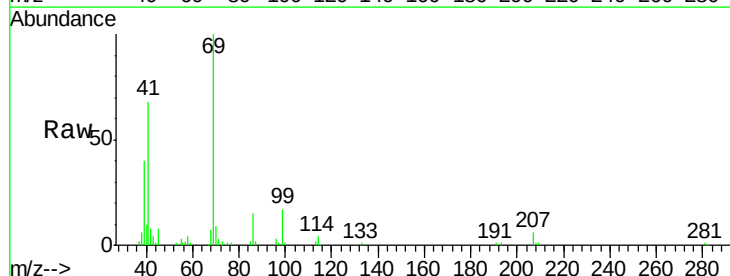
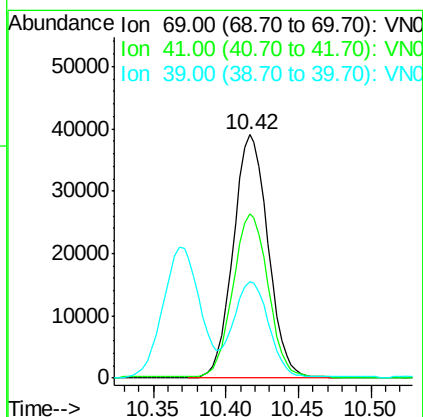
Manual Integrations
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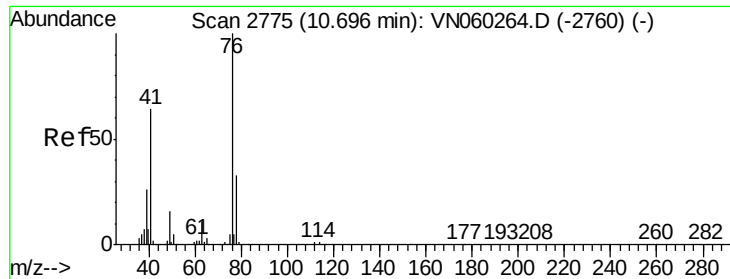
MMDadoda
 3/3/2020 10:04:12 AM



#56
 Ethyl methacrylate
 Concen: 18.580 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.1	54.1	81.1
39	40.3	32.5	48.7





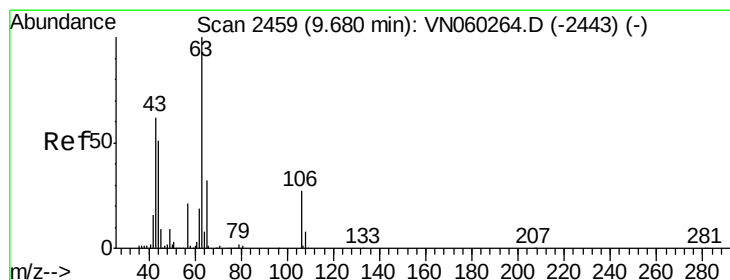
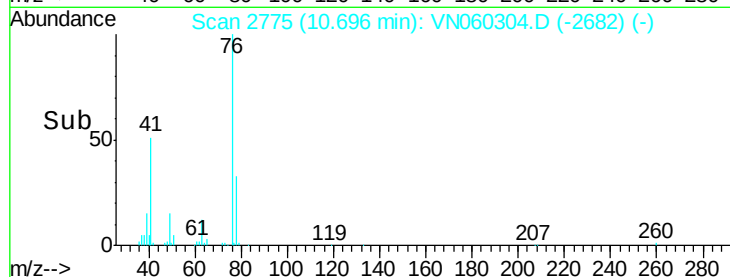
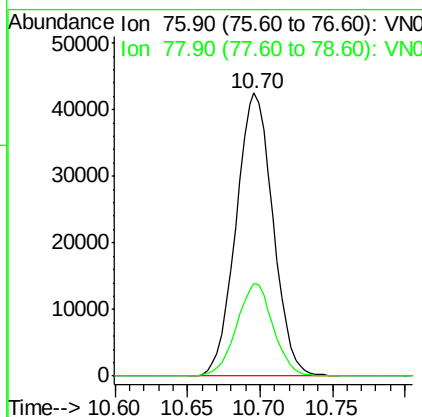
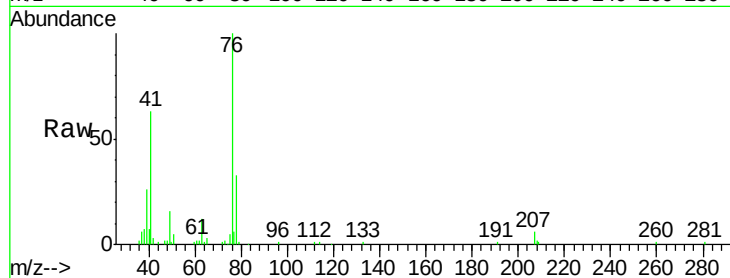
#57
 1,3-Dichloropropane
 Concen: 18.842 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion: 76 Resp: 75066
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.2 39.2

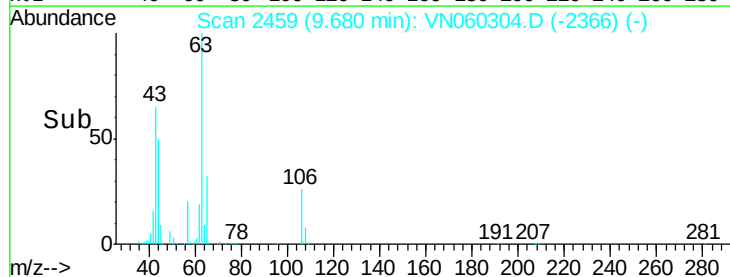
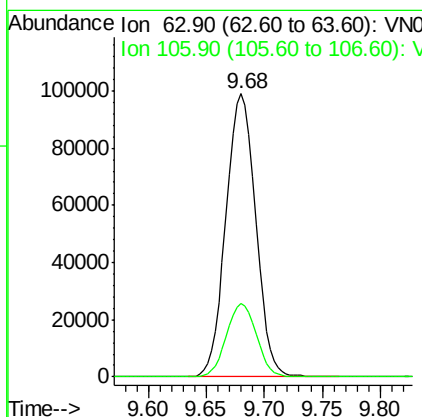
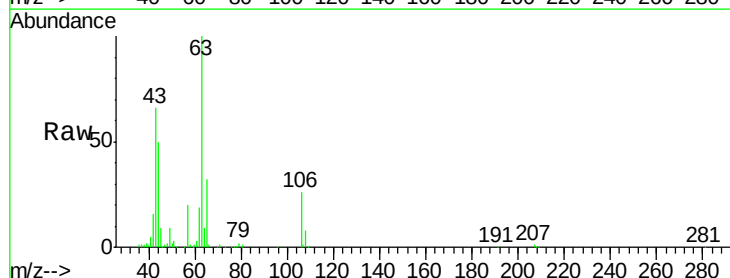
Manual Integrations
 APPROVED

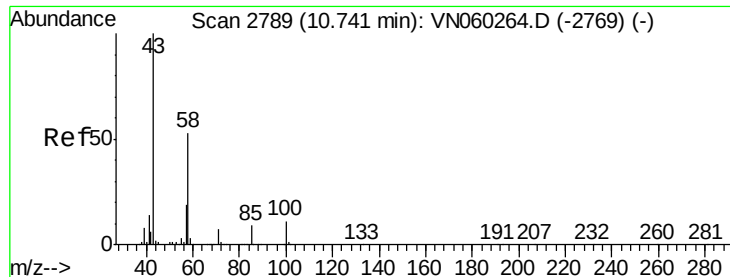
MMDadoda
 3/3/2020 10:04:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.927 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 63 Resp: 176081
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.1 31.7





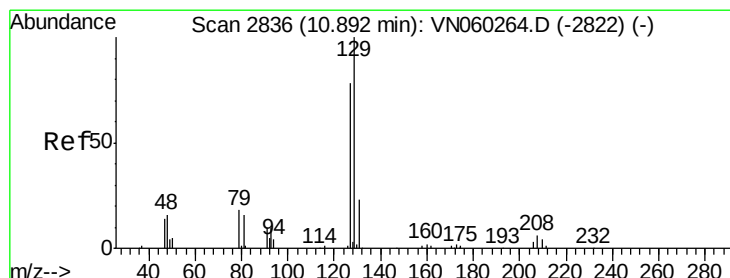
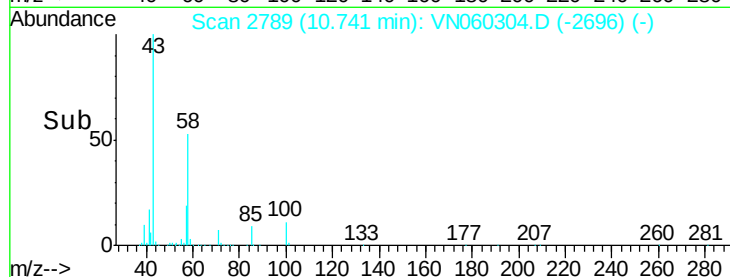
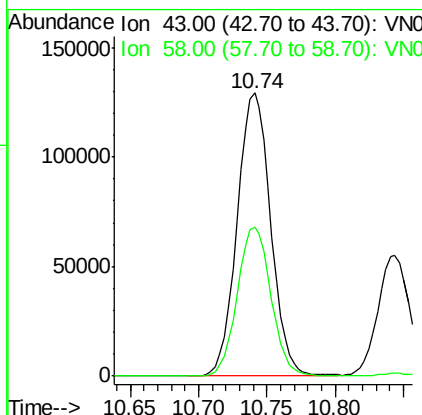
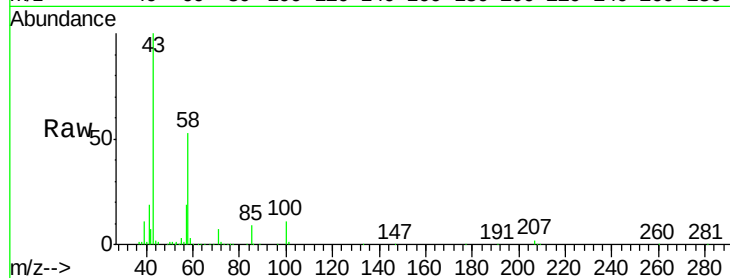
#59
2-Hexanone
Concen: 96.109 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	43	Resp	220363
Ion Ratio	43	100	
	58	53.0	26.5 79.5

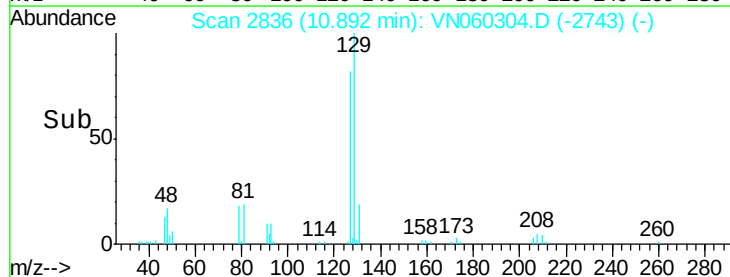
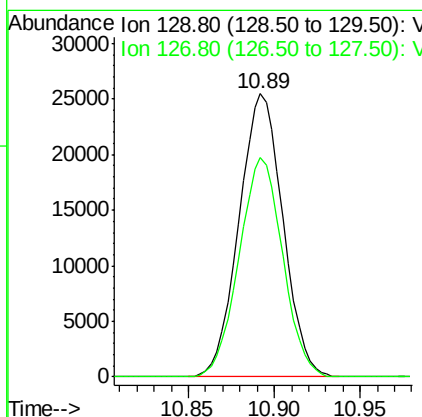
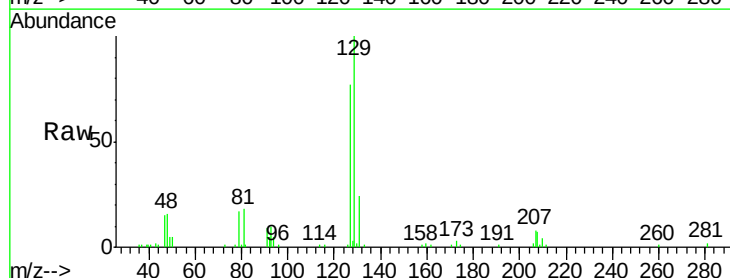
Manual Integrations
APPROVED

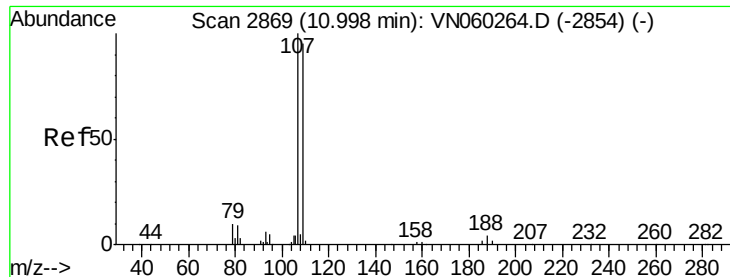
MMDadoda
3/3/2020 10:04:12 AM



#60
Dibromochloromethane
Concen: 18.171 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	129	Resp	45144
Ion Ratio	129	100	
	127	77.0	38.9 116.7





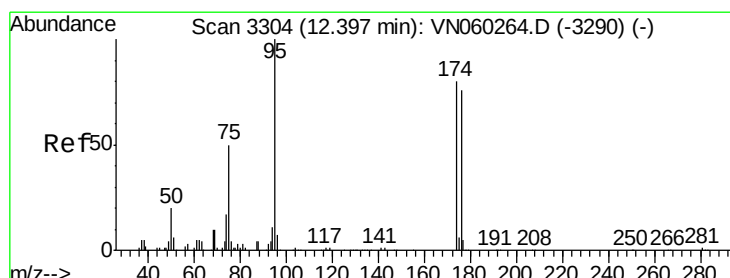
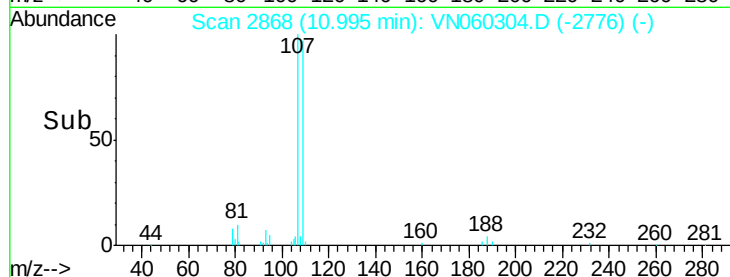
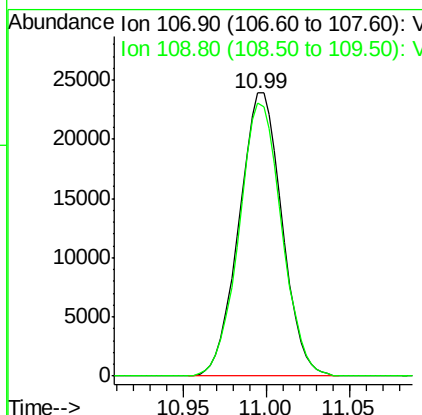
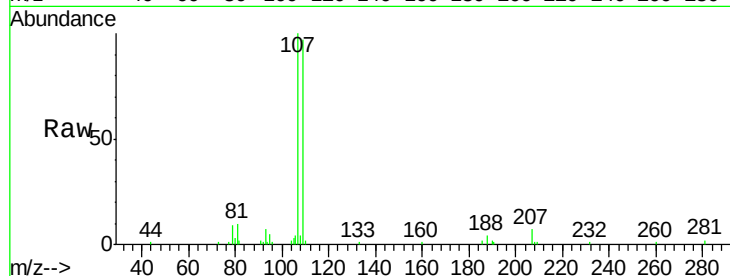
#61
 1,2-Dibromoethane
 Concen: 18.060 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion: 107 Resp: 43009
 Ion Ratio Lower Upper
 107 100
 109 96.0 76.8 115.2

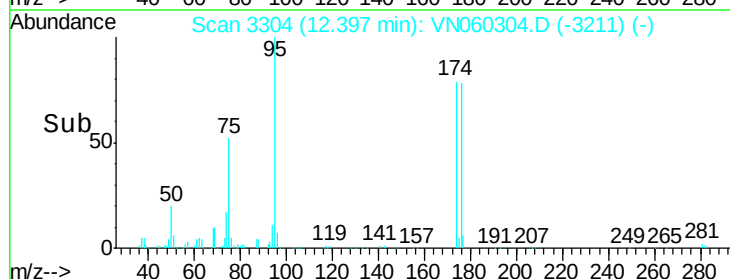
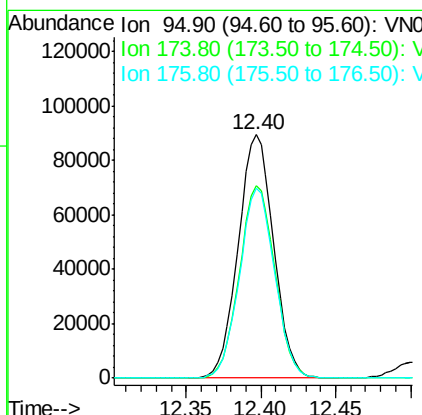
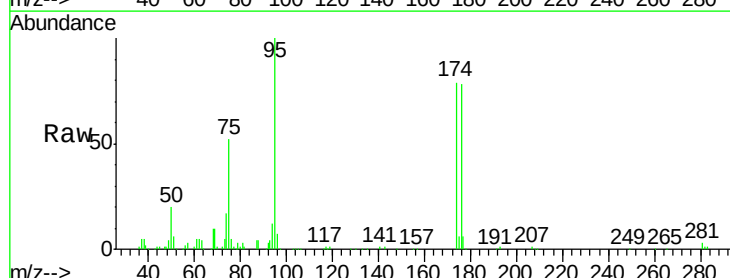
Manual Integrations
 APPROVED

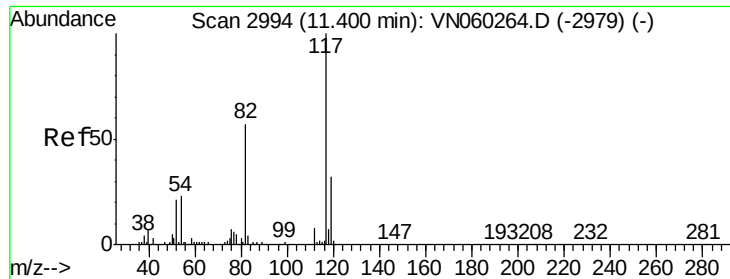
MMDadoda
 3/3/2020 10:04:12 AM



#62
 4-Bromofluorobenzene
 Concen: 47.455 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion: 95 Resp: 147333
 Ion Ratio Lower Upper
 95 100
 174 79.4 0.0 159.2
 176 77.7 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: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

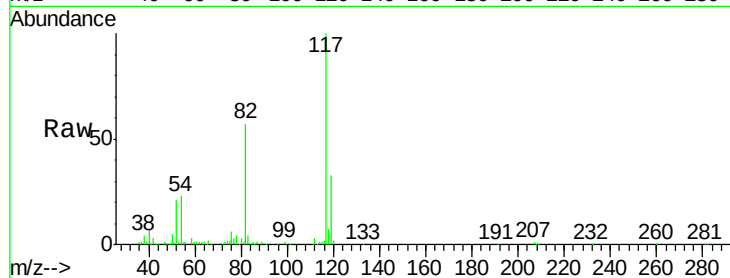
ClientSampled :

VN0302WBSD01

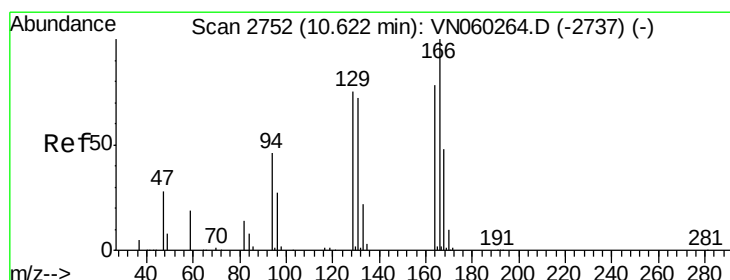
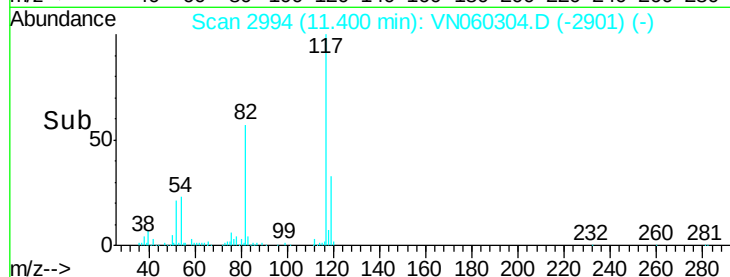
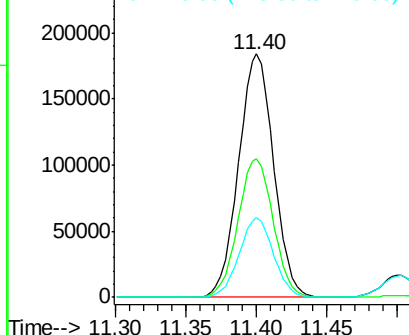
Tot Ion:	117	Resp:	320056
Ion Ratio		Lower	Upper
117	100		
82	56.8	45.8	68.6
119	32.6	25.8	38.8

Manual Integrations
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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: 19.092 ug/l

RT: 10.62 min Scan# 2752

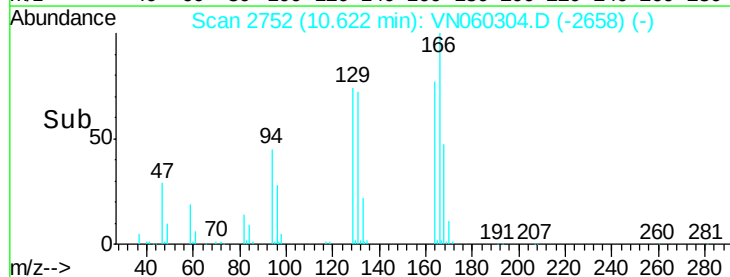
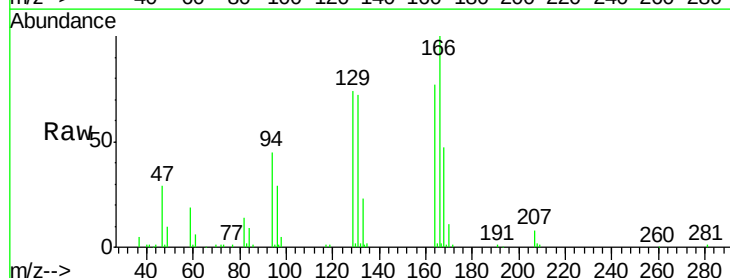
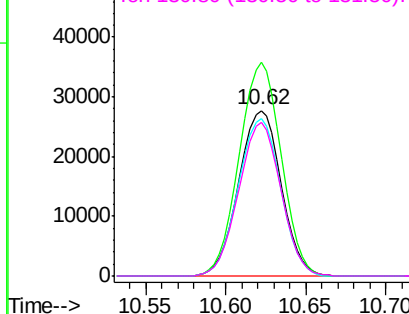
Delta R.T. 0.00 min

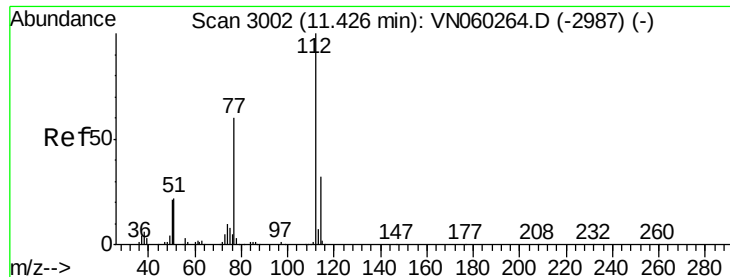
Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	164	Resp:	50315
Ion Ratio		Lower	Upper
164	100		
166	129.1	102.0	153.0
129	94.9	76.4	114.6
131	93.0	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





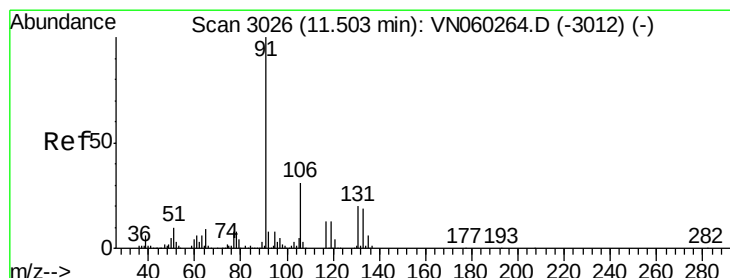
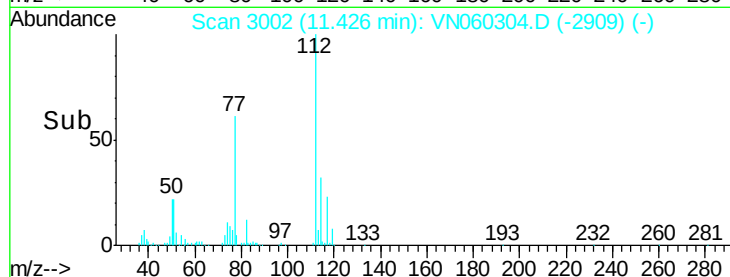
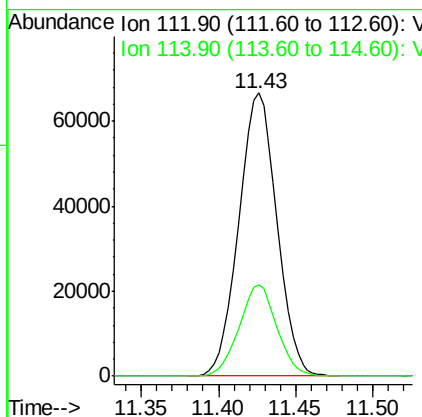
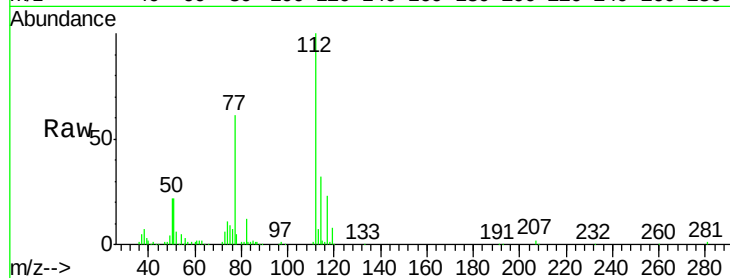
#65
Chlorobenzene
Concen: 17.633 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.4	38.0

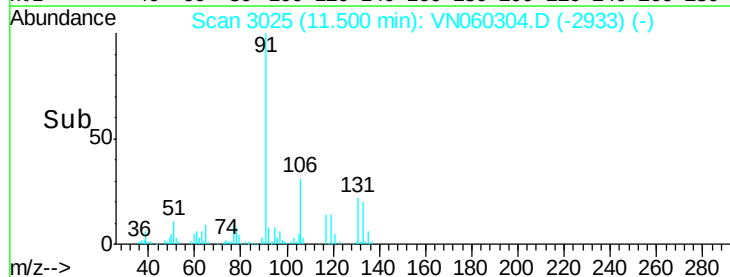
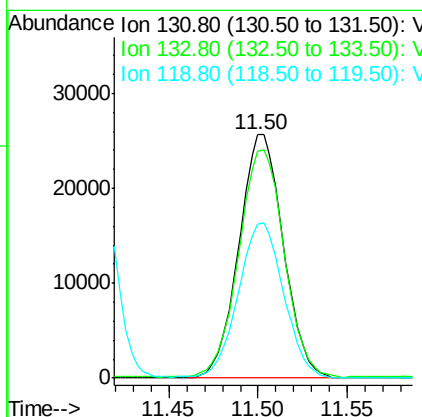
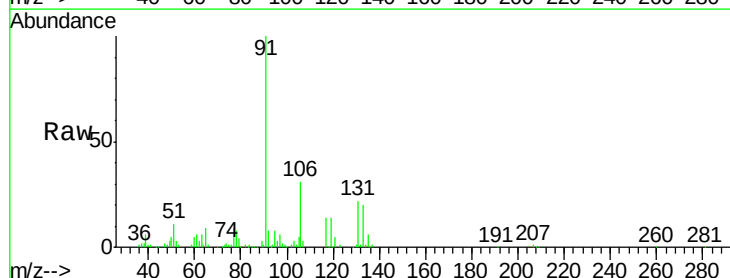
Manual Integrations
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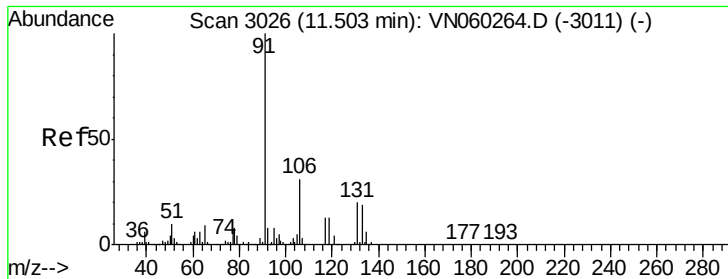
MMDadoda
3/3/2020 10:04:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.605 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.7	143.1
119	65.3	33.2	99.6





#67

Ethyl Benzene

Concen: 18.095 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

Tot Ion: 91 Resp: 212962

Ion Ratio Lower Upper

91 100

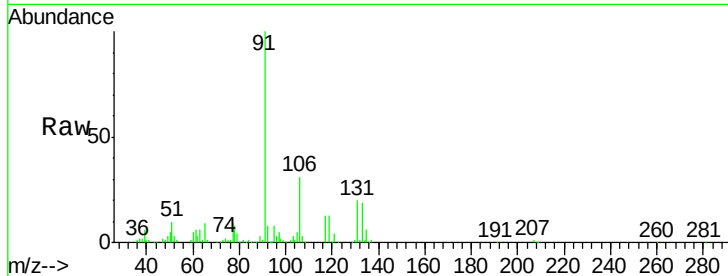
106 30.8 24.7 37.1

Manual Integrations

APPROVED

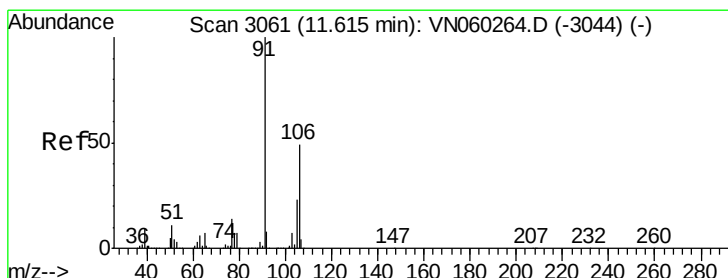
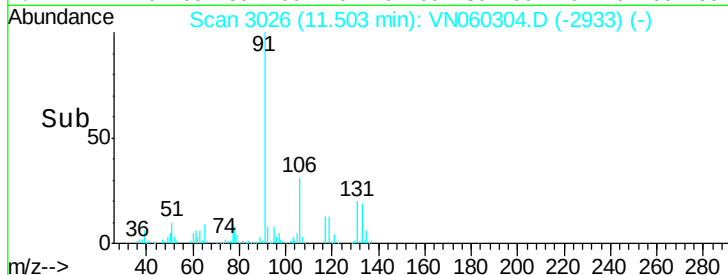
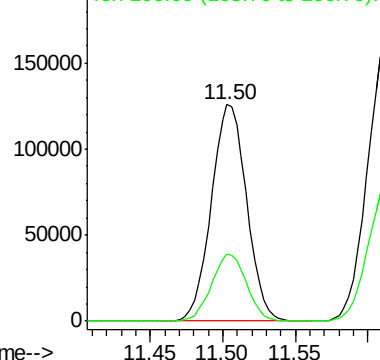
MMDadoda

3/3/2020 10:04:12 AM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 35.170 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060304.D

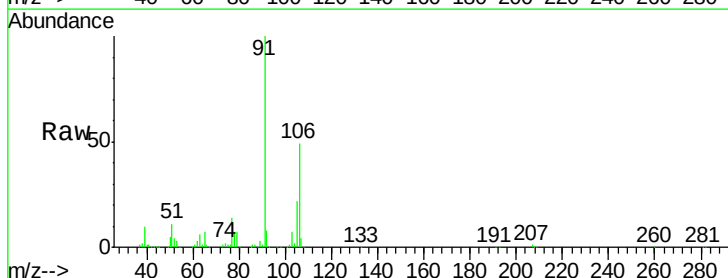
Acq: 2 Mar 2020 12:25

Tgt Ion: 106 Resp: 156171

Ion Ratio Lower Upper

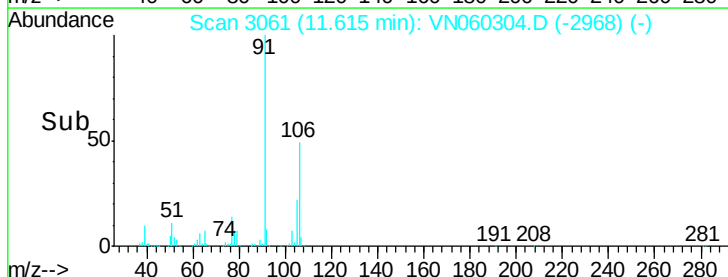
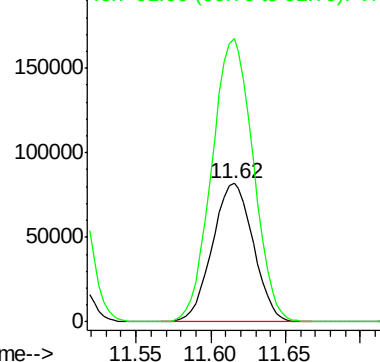
106 100

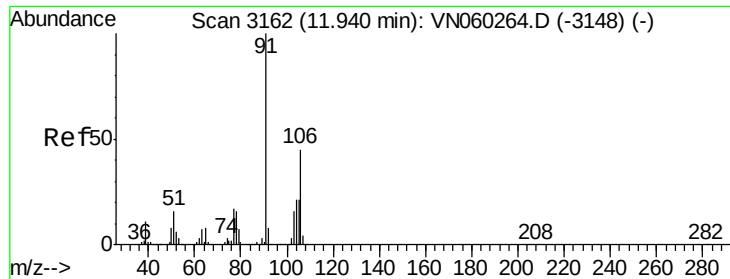
91 206.7 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





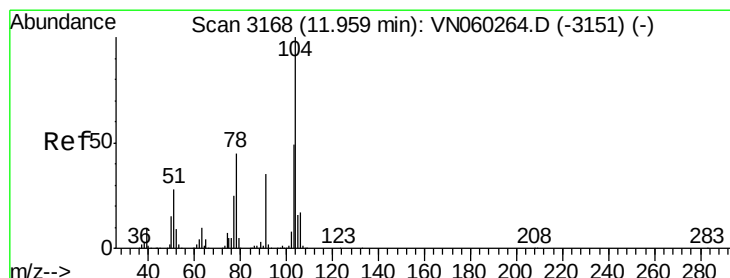
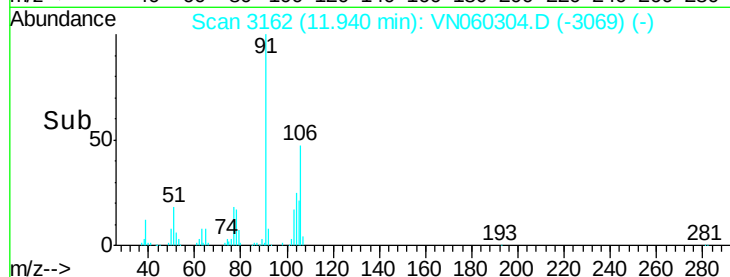
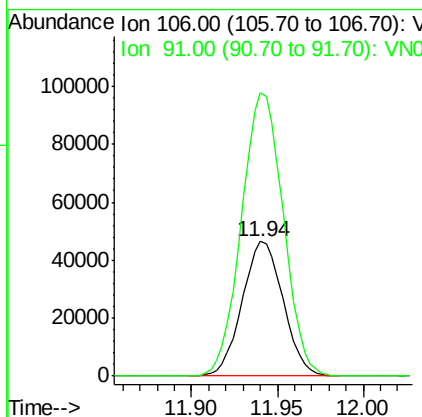
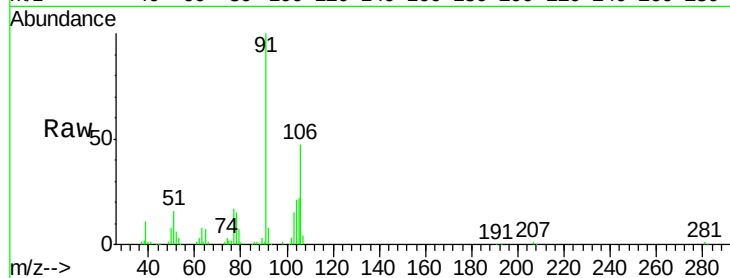
#69
o-Xylene
Concen: 18.172 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion:106 Resp: 76947
Ion Ratio Lower Upper
106 100
91 214.1 109.5 328.4

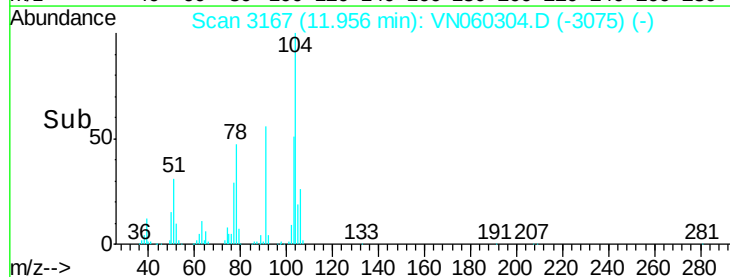
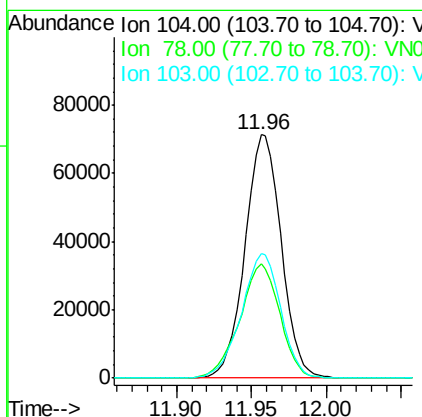
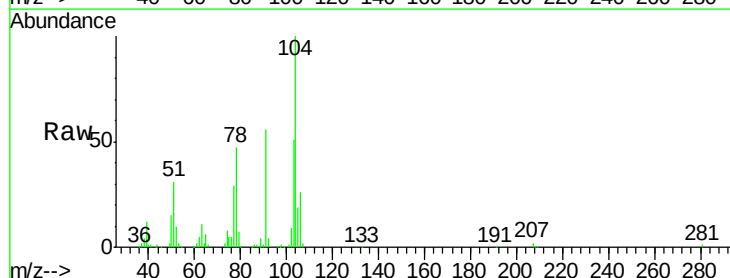
Manual Integrations
APPROVED

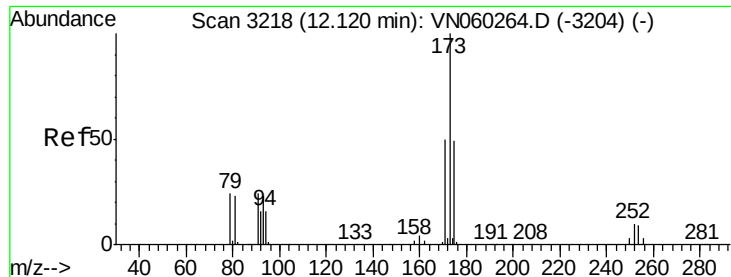
MMDadoda
3/3/2020 10:04:12 AM



#70
Styrene
Concen: 17.340 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion:104 Resp: 120717
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.6 43.9 65.9





#71

Bromoform

Concen: 18.029 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion:173 Resp: 31050

Ion Ratio Lower Upper

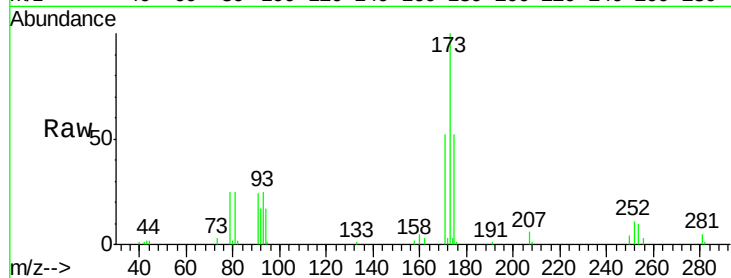
173 100

175 50.1 24.1 72.2

254 0.0 0.0 0.0

Manual Integrations
APPROVED

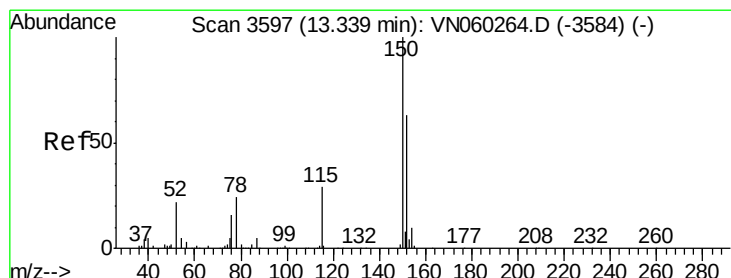
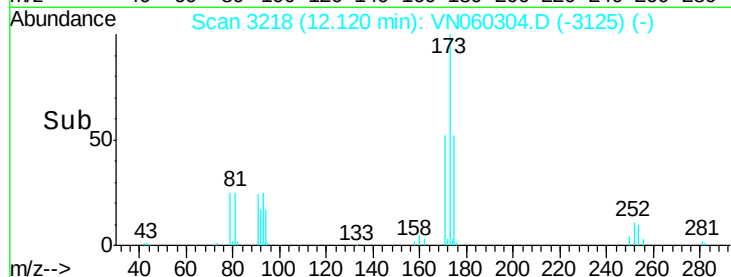
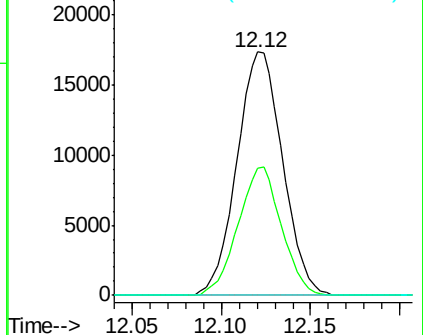
MMDadoda
3/3/2020 10:04:12 AM



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: VN060304.D

Acq: 2 Mar 2020 12:25

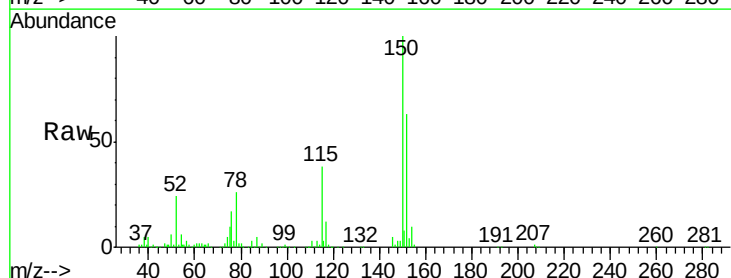
Tgt Ion:152 Resp: 152913

Ion Ratio Lower Upper

152 100

115 60.3 30.0 90.0

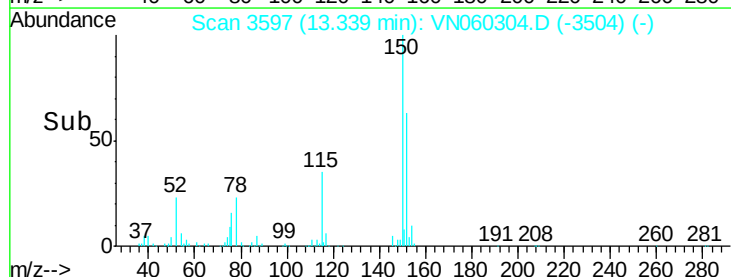
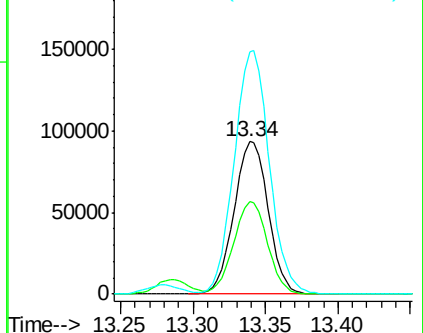
150 164.6 0.0 349.6

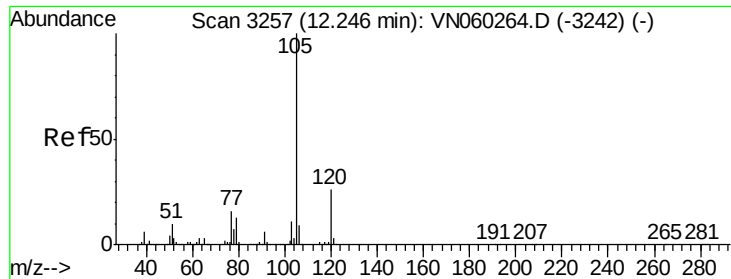


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.183 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

VN0302WBSD01

Tot Ion: 105 Resp: 206081

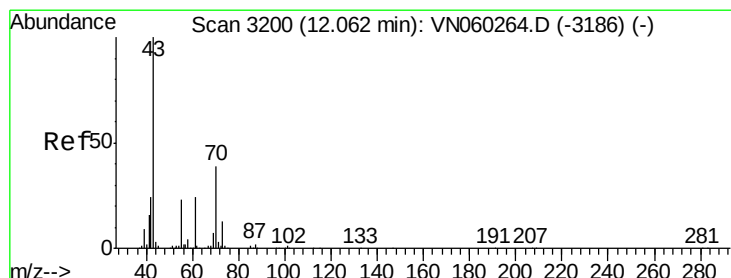
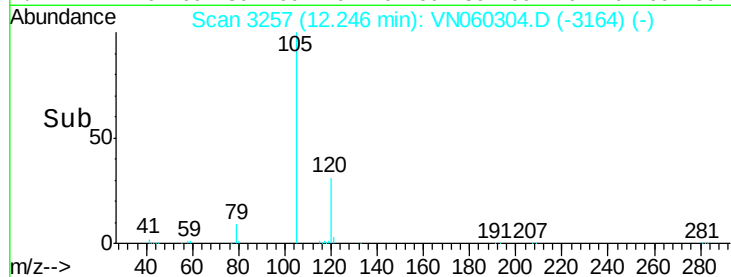
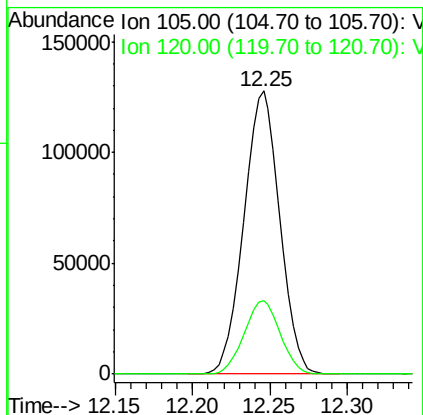
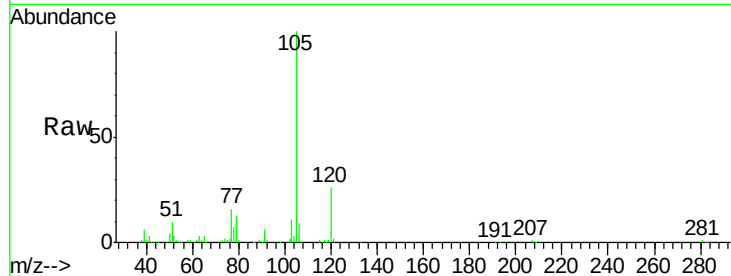
Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.244 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion: 43 Resp: 90354

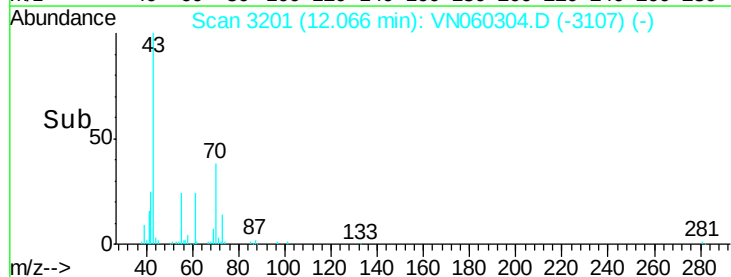
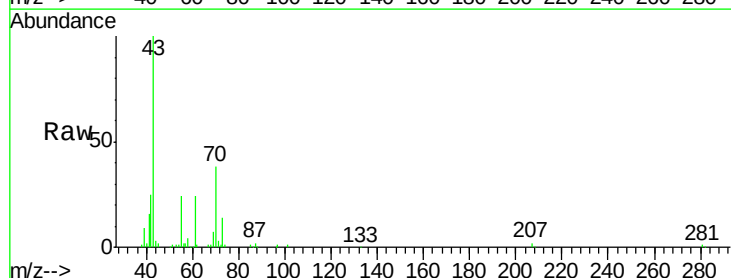
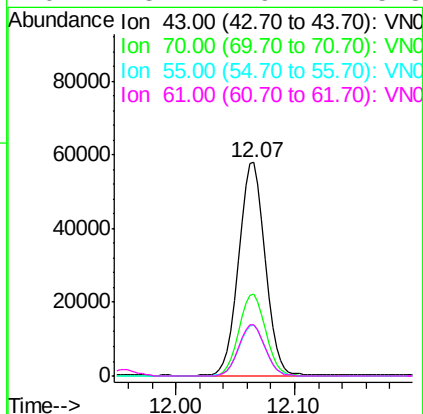
Ion Ratio Lower Upper

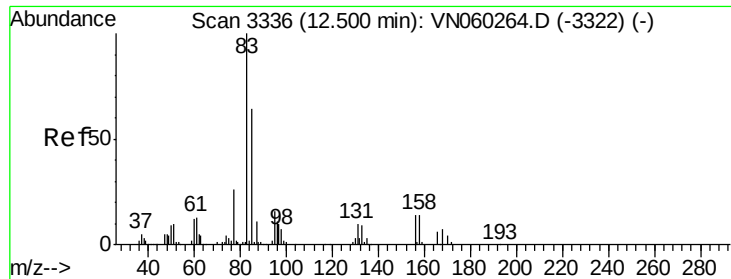
43 100

70 38.3 32.2 48.2

55 23.6 18.2 27.4

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.154 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

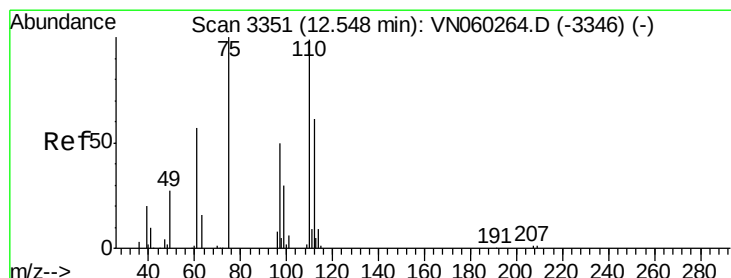
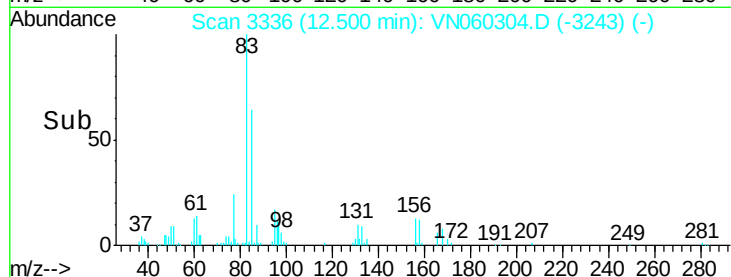
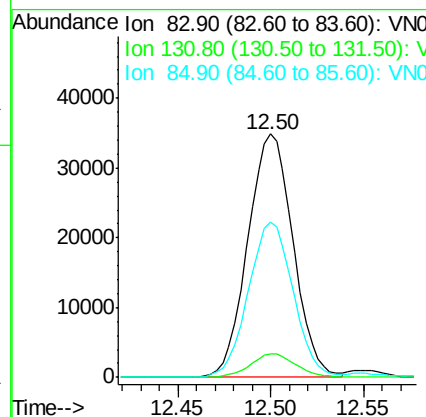
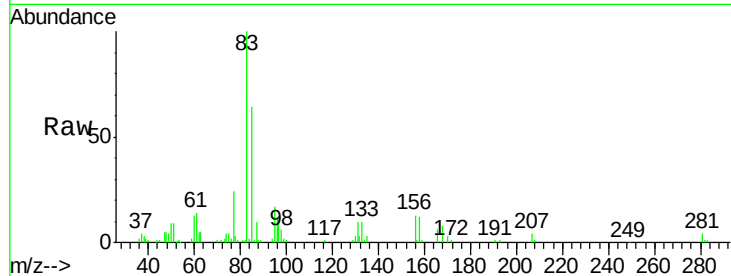
ClientSampleId :

VN0302WBSD01

Tot Ion:	83	Resp:	59009
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	63.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.208 ug/l m

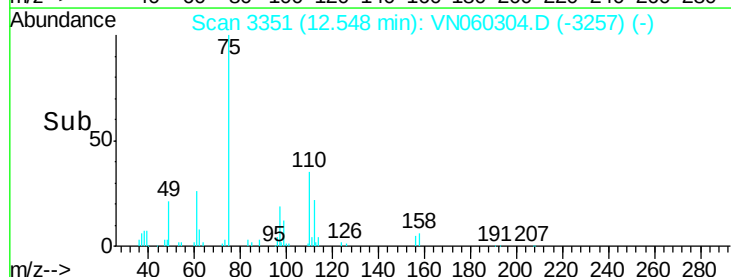
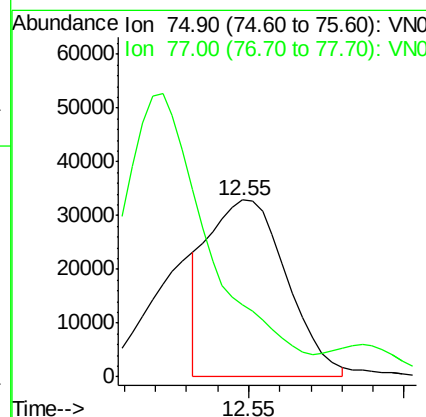
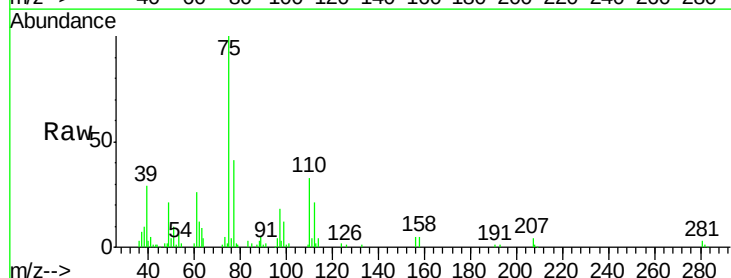
RT: 12.55 min Scan# 3351

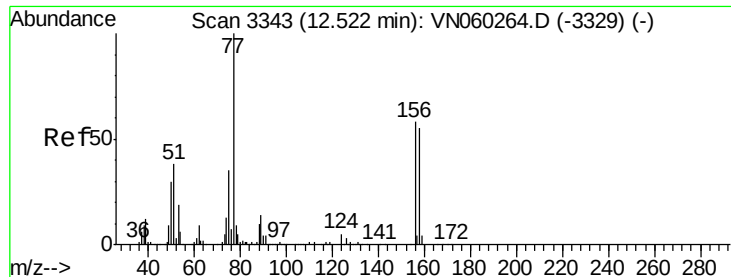
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	75	Resp:	57731
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.884 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

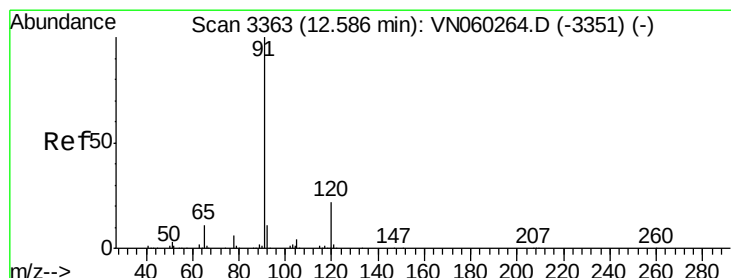
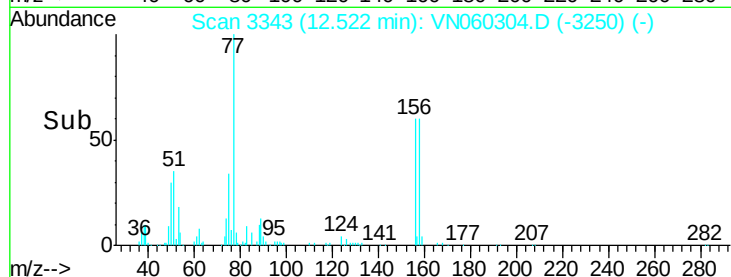
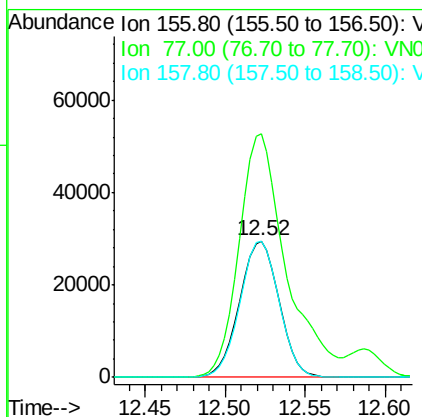
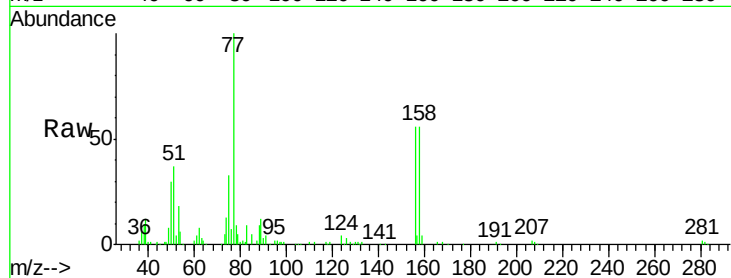
ClientSampled :

VN0302WBSD01

Tot Ion:	156	Resp:	49686
Ion Ratio	Lower	Upper	
156	100		
77	212.4	106.1	318.3
158	98.3	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 18.111 ug/l

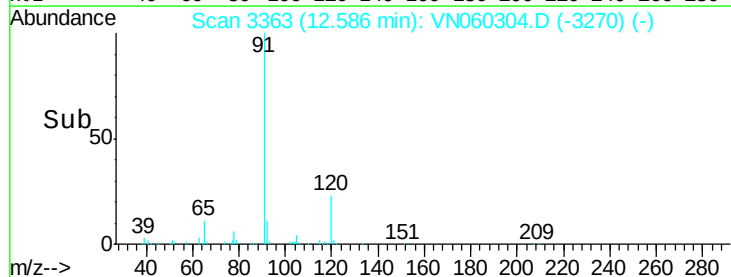
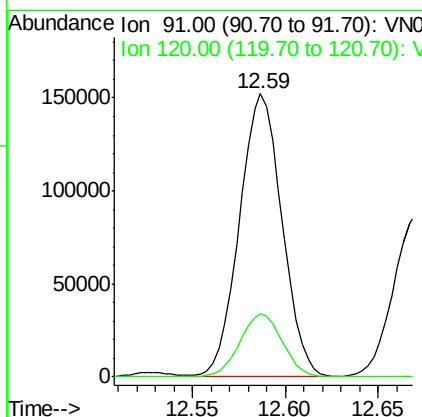
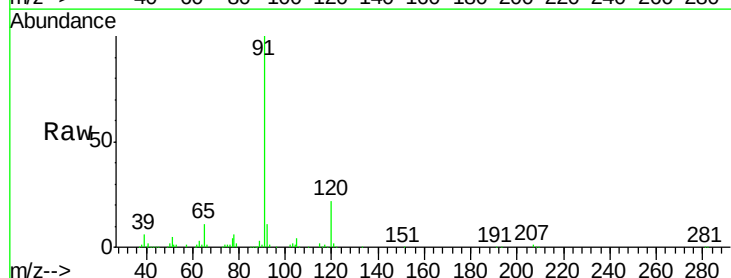
RT: 12.59 min Scan# 3363

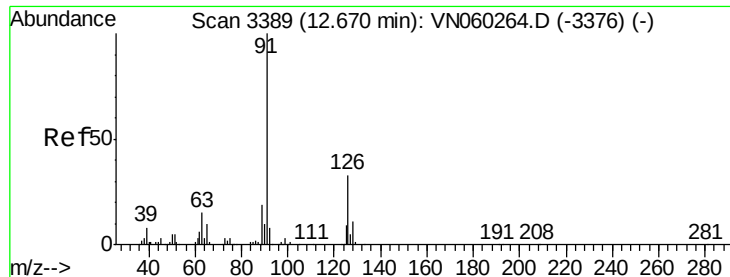
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	91	Resp:	240613
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.3	33.9





#79

2-Chlorotoluene

Concen: 18.033 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBSD01

Tot Ion: 91 Resp: 140826

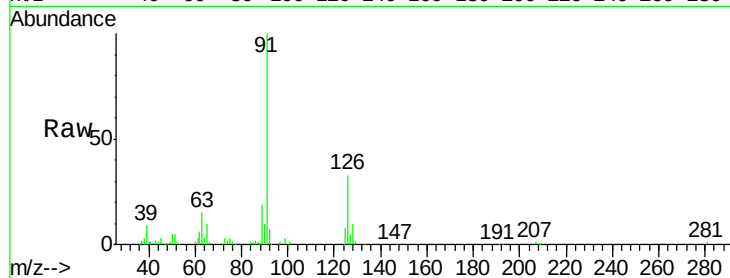
Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8

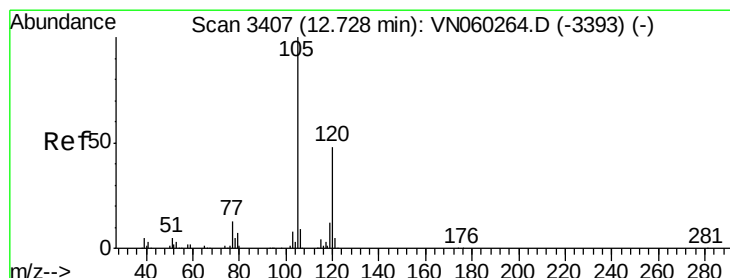
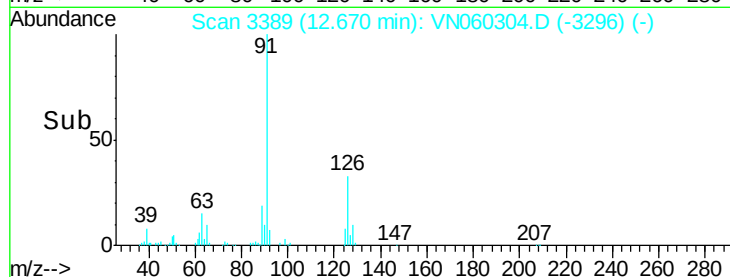
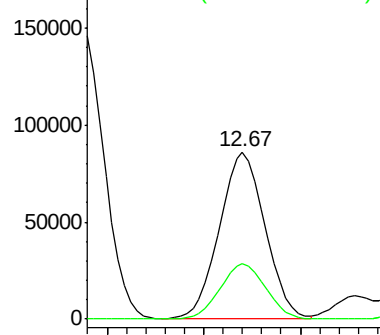
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060264.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.257 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060304.D

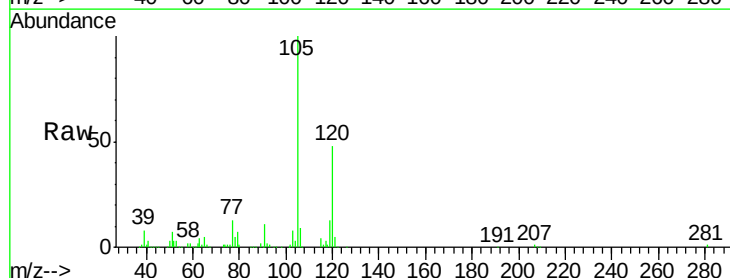
Acq: 2 Mar 2020 12:25

Tgt Ion: 105 Resp: 174219

Ion Ratio Lower Upper

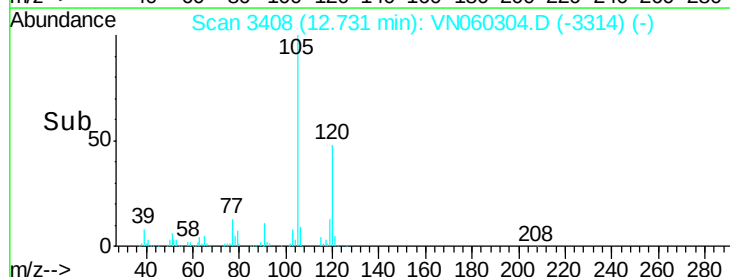
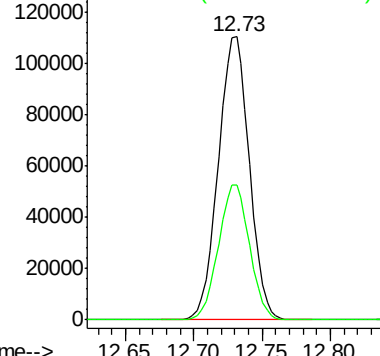
105 100

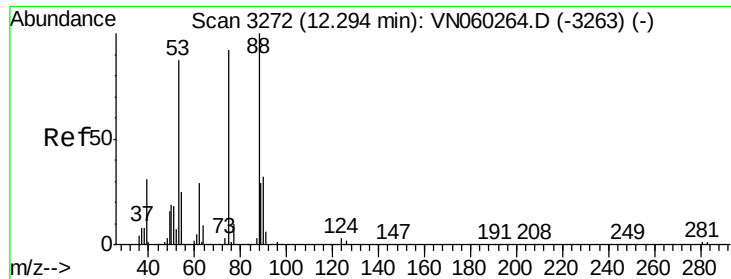
120 47.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060264.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN060264.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.475 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

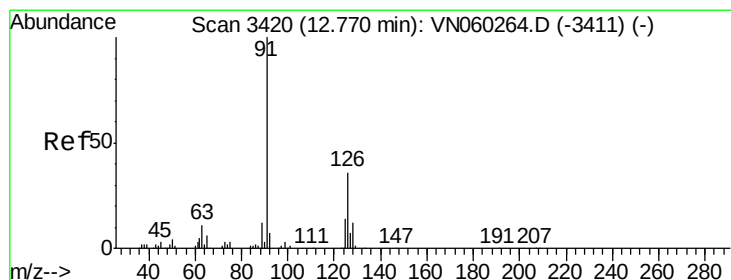
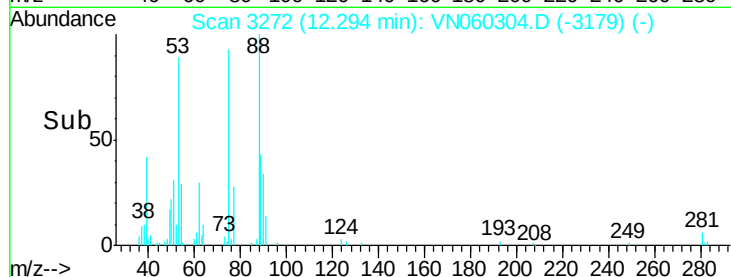
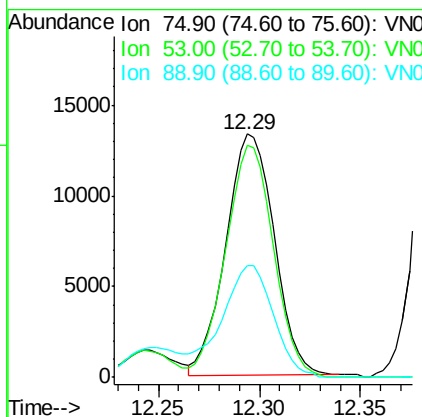
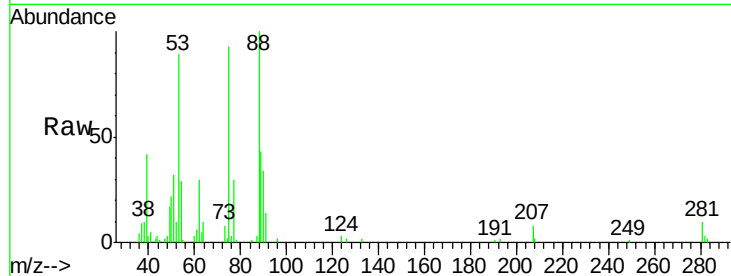
ClientSampled :

VN0302WBSD01

Tot Ion:	75	Resp:	22454
Ion Ratio	Lower	Upper	
75	100		
53	94.9	73.8	110.6
89	49.3	57.1	85.7#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 17.792 ug/l

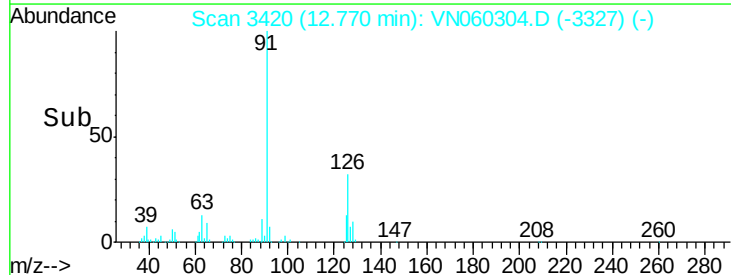
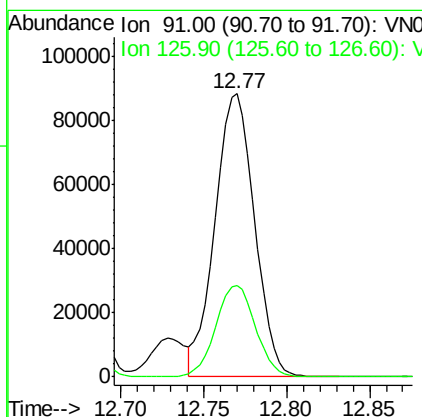
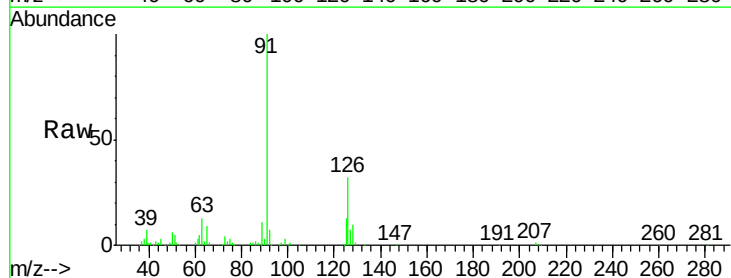
RT: 12.77 min Scan# 3420

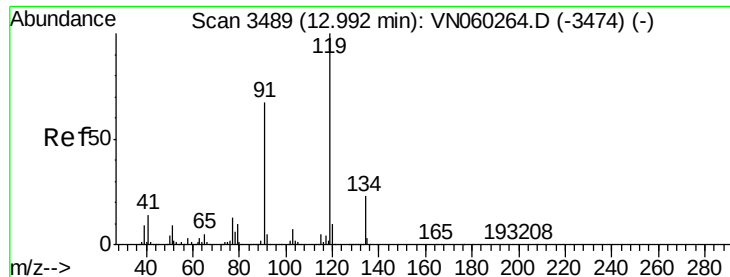
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	91	Resp:	146384
Ion Ratio	Lower	Upper	
91	100		
126	32.5	16.7	50.1





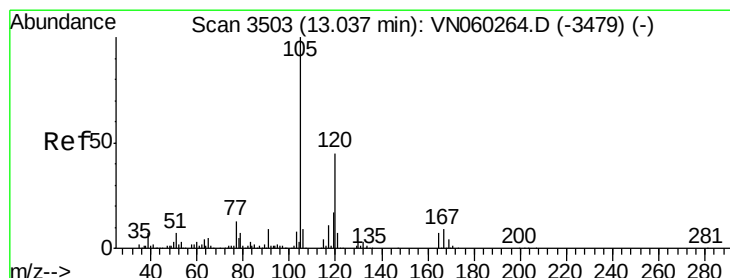
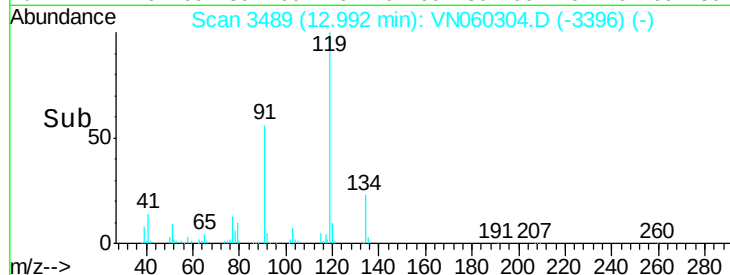
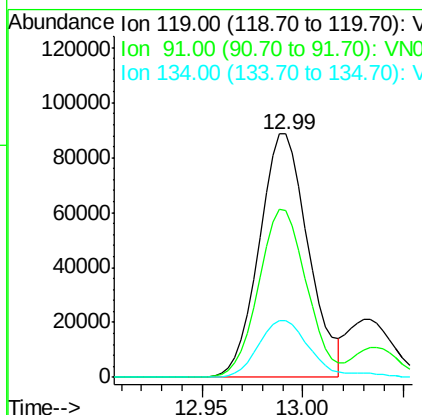
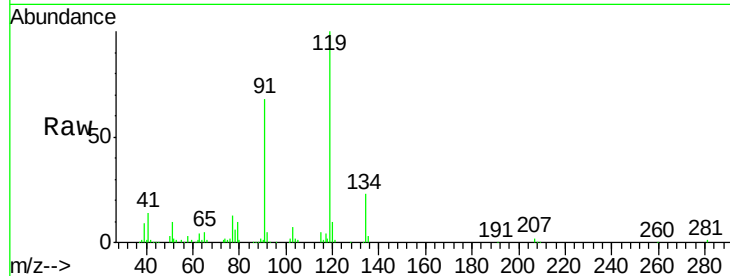
#83
 tert-Butylbenzene
 Concen: 18.203 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	150395		
91	67.4	33.1	99.2	
134	25.0	12.4	37.0	

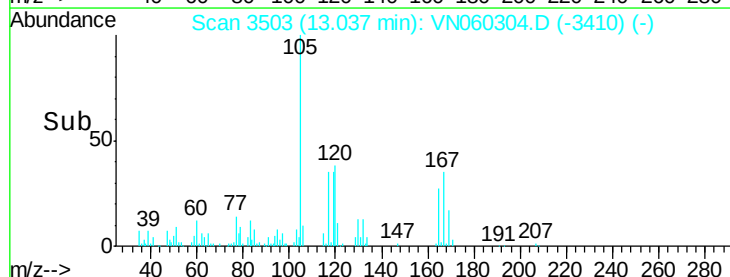
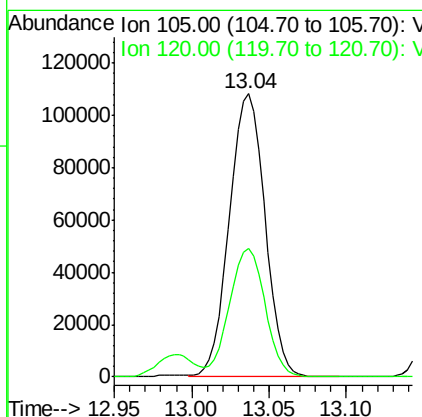
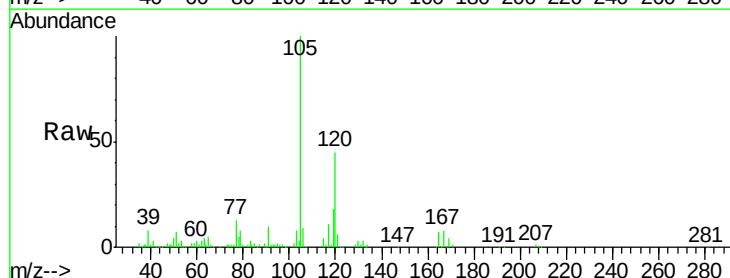
Manual Integrations
 APPROVED

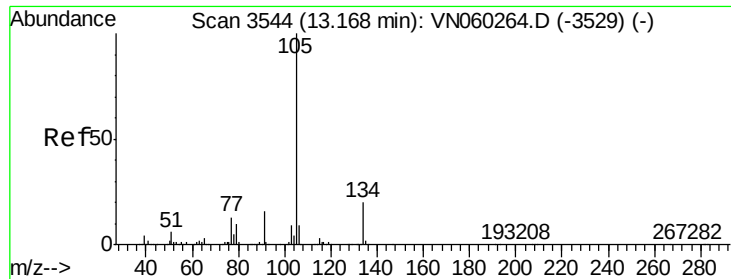
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.989 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	173266		
120	45.3	22.3	66.9	





#85

sec-Butylbenzene

Concen: 18.103 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Instrument :

MSVOA_N

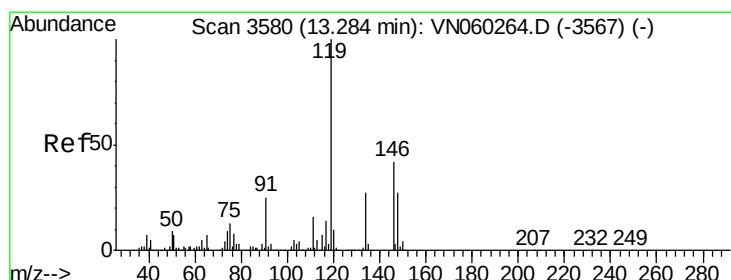
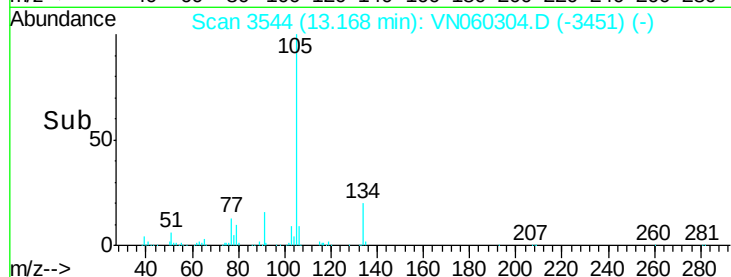
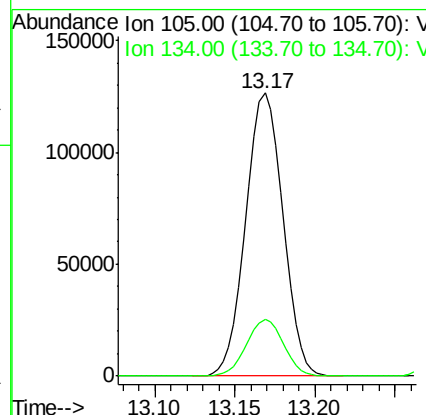
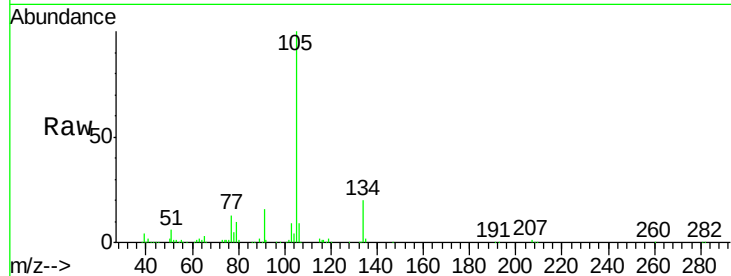
ClientSampled :

VN0302WBSD01

Tot Ion:	105	Resp:	200289
Ion Ratio		Lower	Upper
105	100		
134	20.0	9.8	29.5

Manual Integrations
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3/3/2020 10:04:12 AM



#86

p-Isopropyltoluene

Concen: 17.851 ug/l

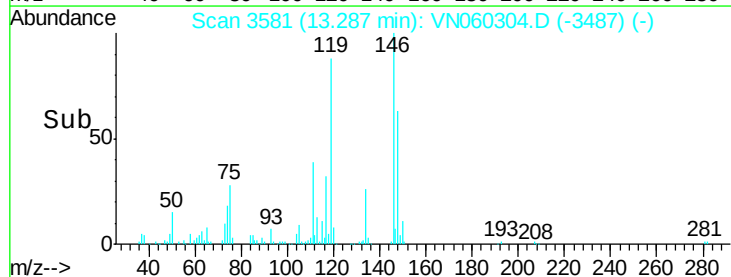
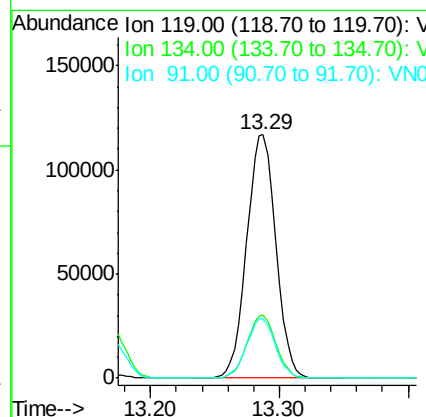
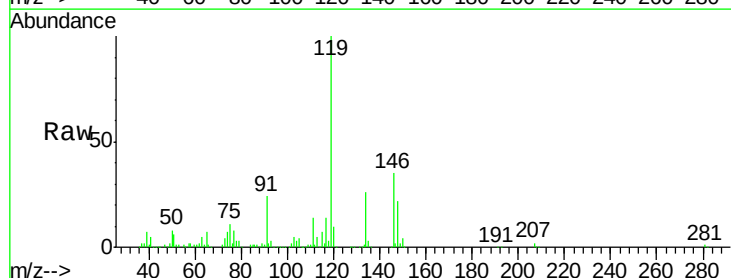
RT: 13.29 min Scan# 3581

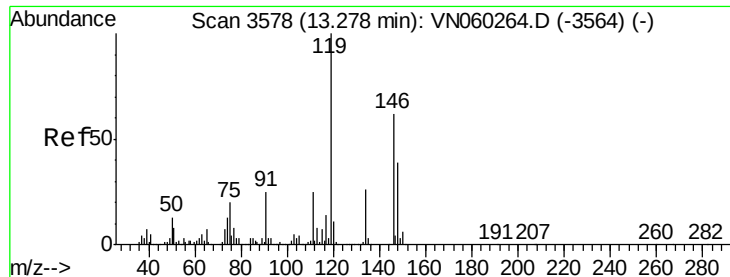
Delta R.T. 0.00 min

Lab File: VN060304.D

Acq: 2 Mar 2020 12:25

Tgt Ion:	119	Resp:	182792
Ion Ratio		Lower	Upper
119	100		
134	25.9	13.2	39.6
91	24.2	12.2	36.6





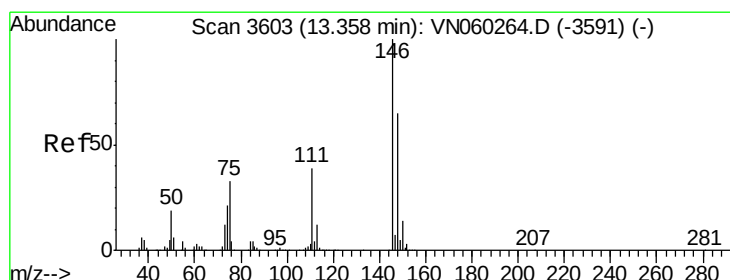
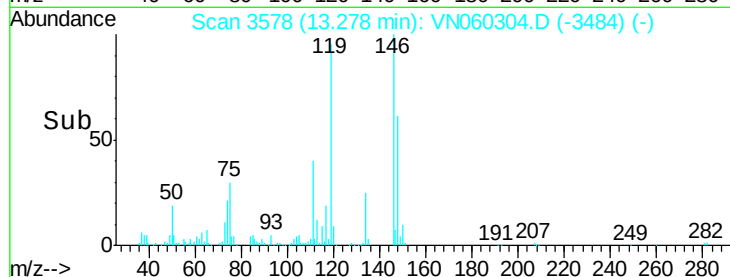
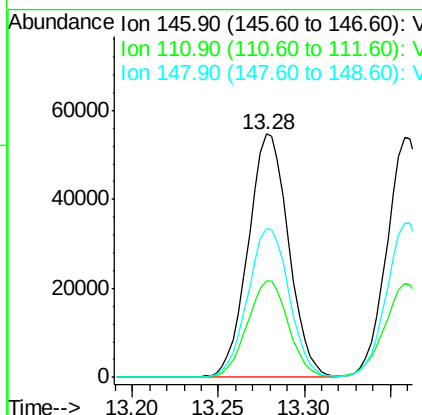
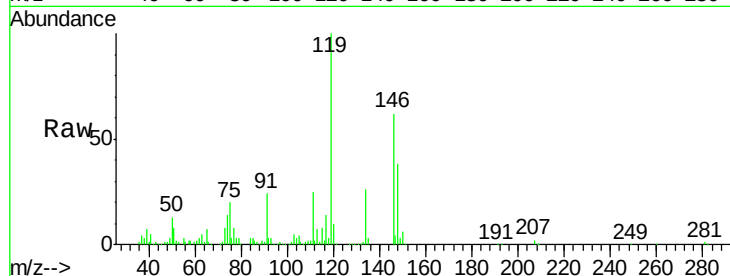
#87
 1,3-Dichlorobenzene
 Concen: 18.576 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	59.9
148	62.7	32.1	96.3

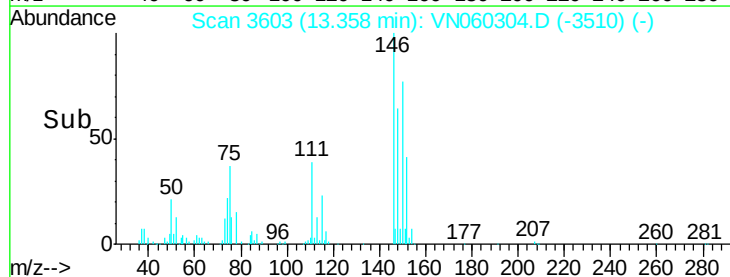
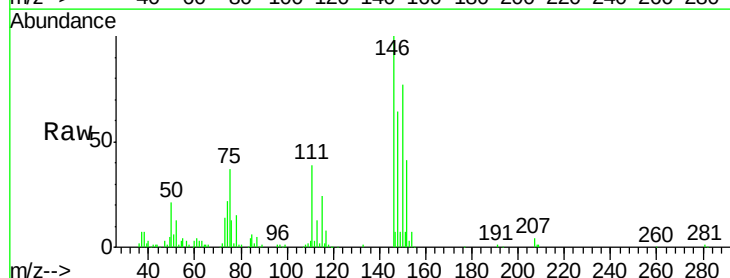
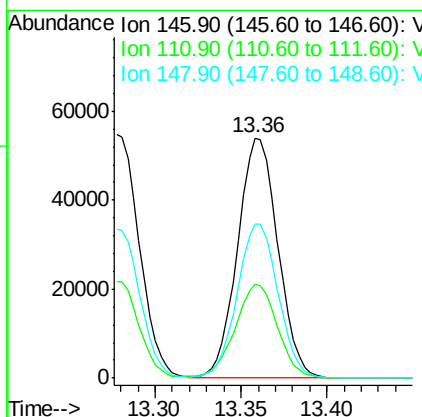
Manual Integrations
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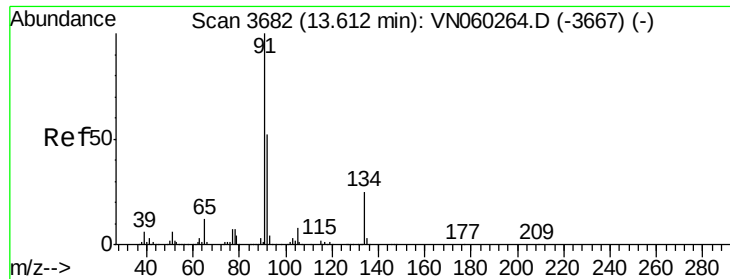
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#88
 1,4-Dichlorobenzene
 Concen: 18.300 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	65.2	32.3	96.9





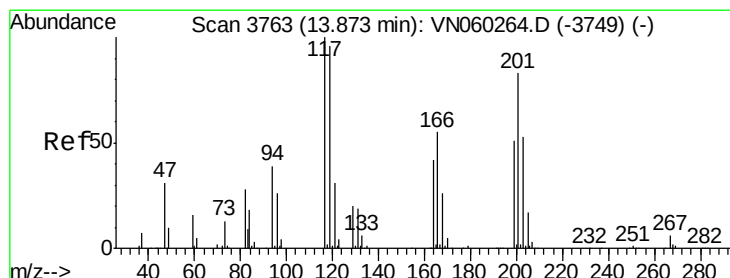
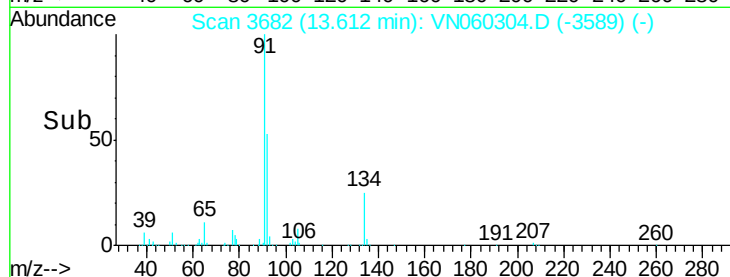
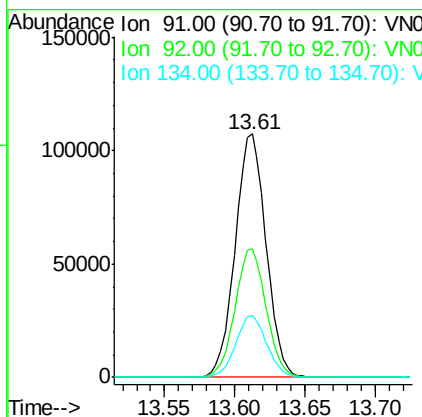
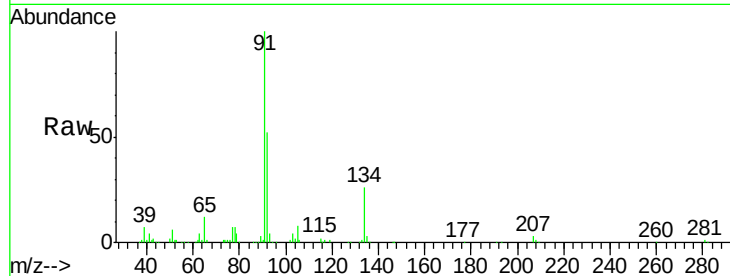
#89
n-Butylbenzene
Concen: 17.560 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	25.4	12.7	38.1

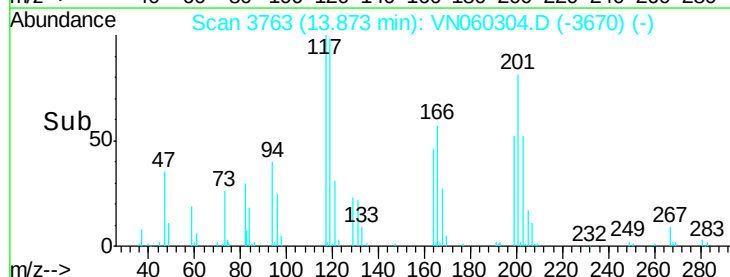
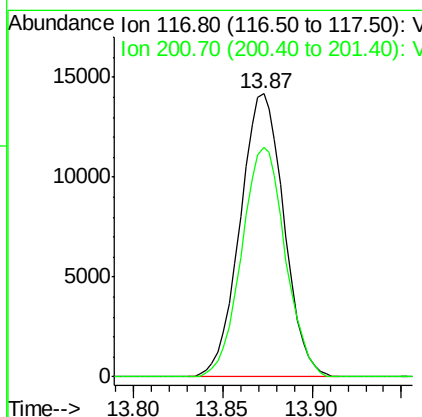
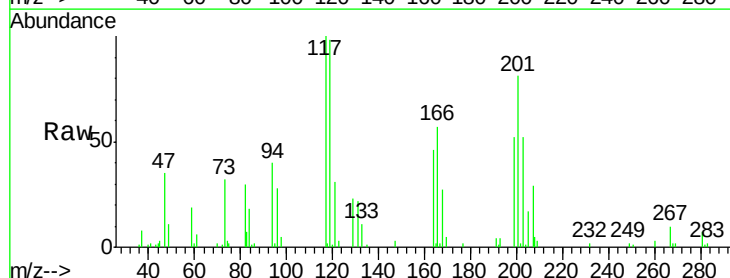
Manual Integrations
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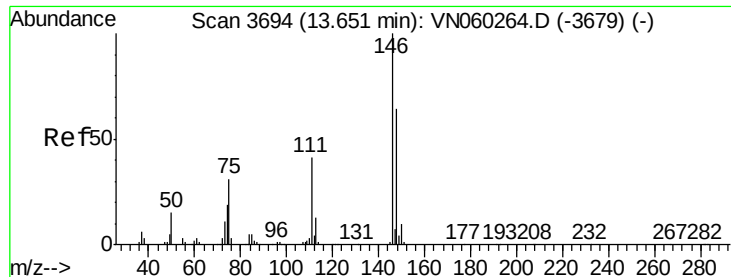
MMDadoda
3/3/2020 10:04:12 AM



#90
Hexachloroethane
Concen: 16.463 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.5	41.0	123.0





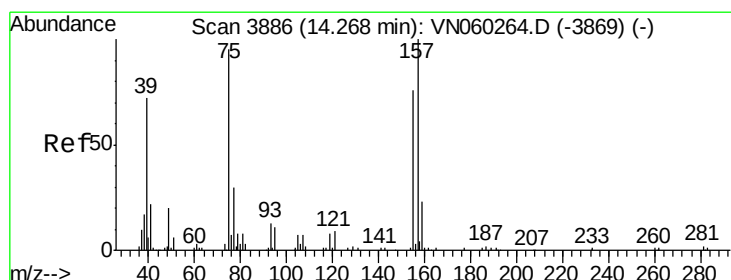
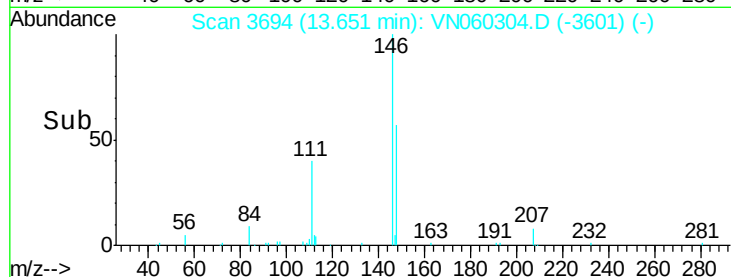
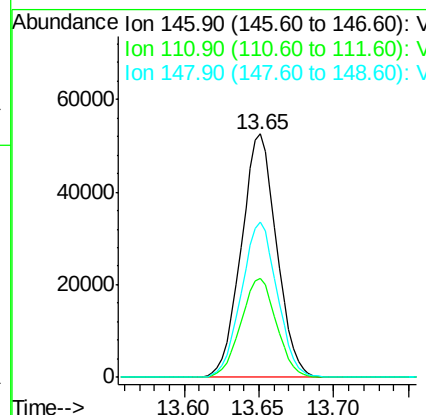
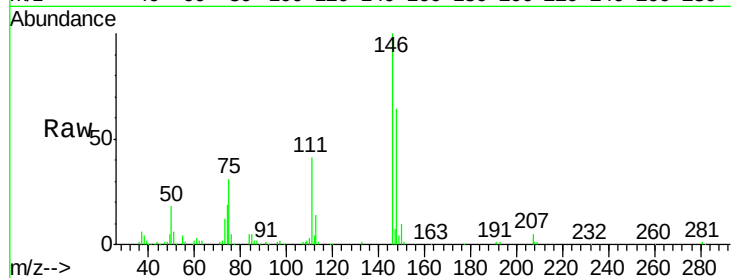
#91
 1,2-Dichlorobenzene
 Concen: 17.712 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.3	61.0
148	64.6	31.8	95.3

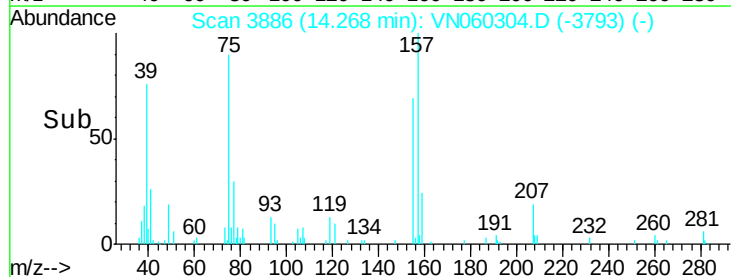
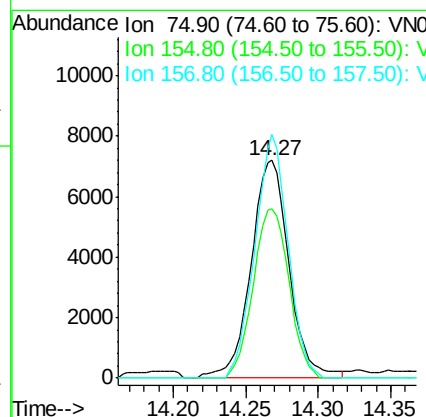
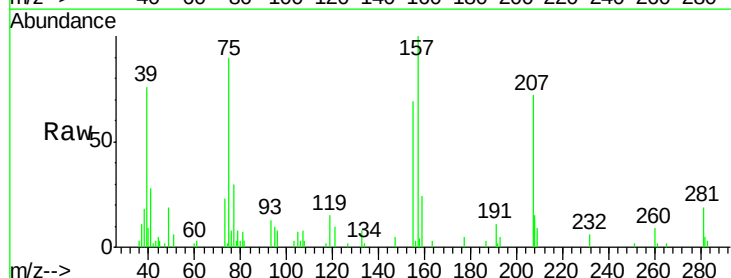
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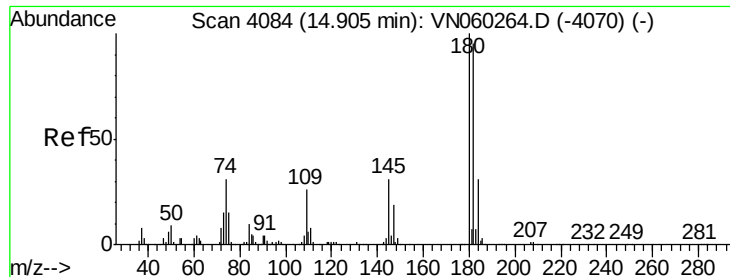
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.870 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	40.4	121.2
157	97.7	52.5	157.5





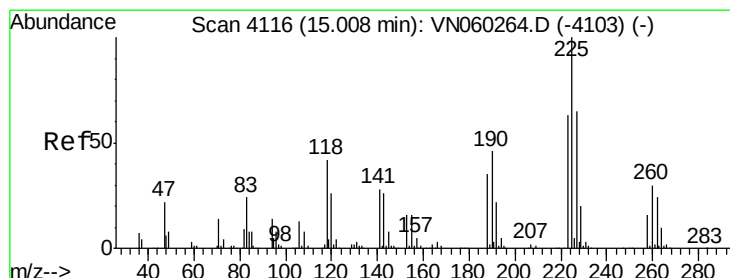
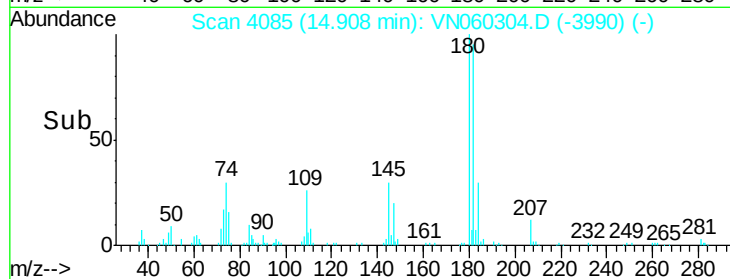
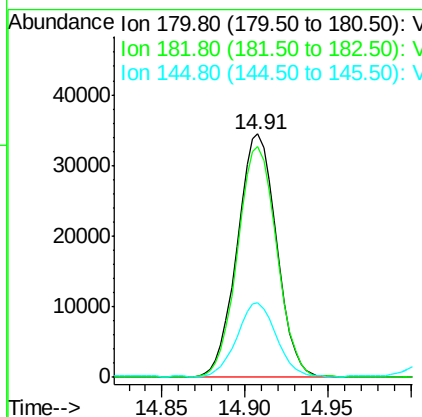
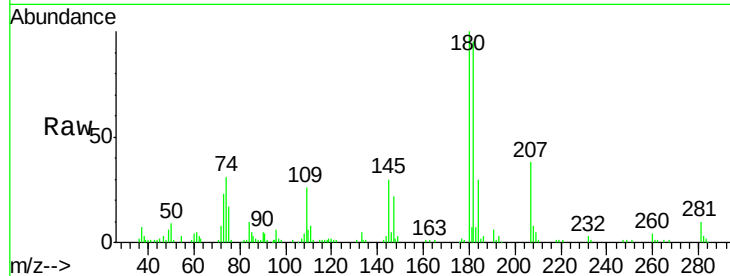
#93
 1,2,4-Trichlorobenzene
 Concen: 18.409 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	31.0	15.4	46.1

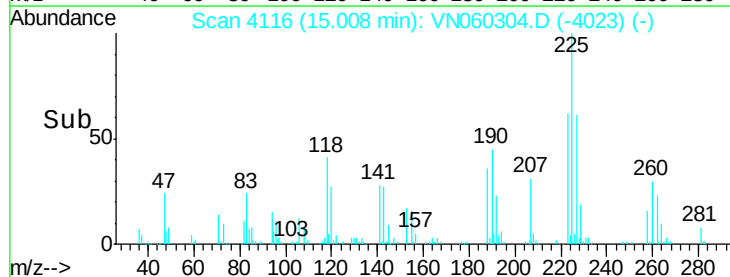
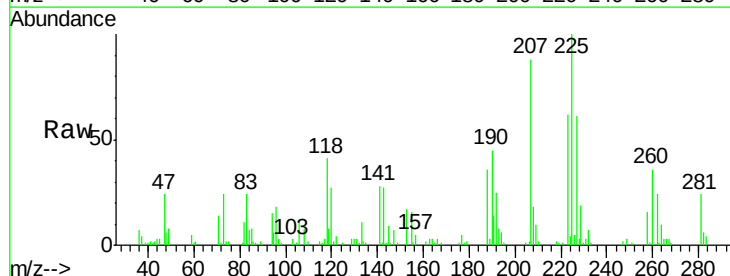
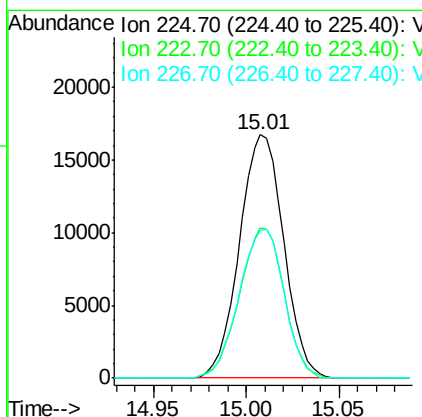
Manual Integrations
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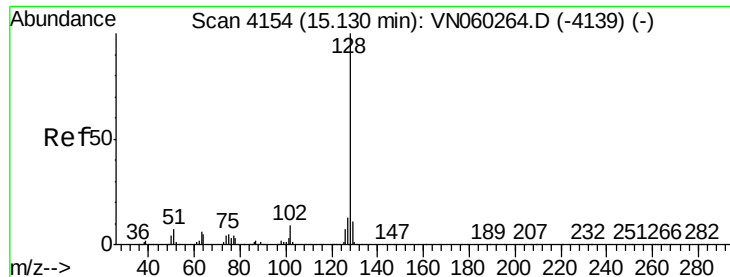
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 3/3/2020 10:04:12 AM



#94
 Hexachlorobutadiene
 Concen: 19.221 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060304.D
 Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.3	93.9
227	62.3	32.3	96.9





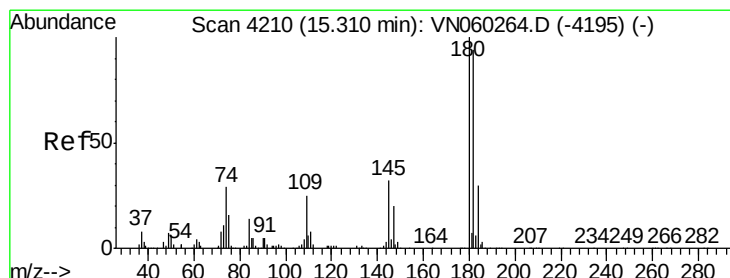
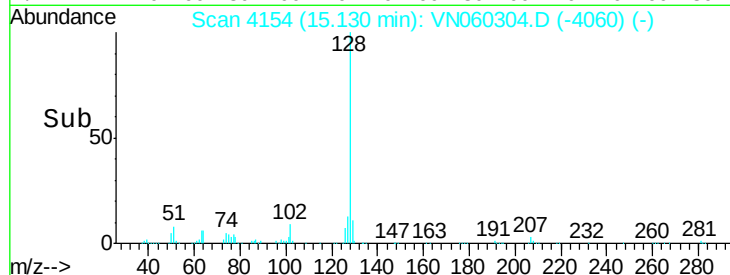
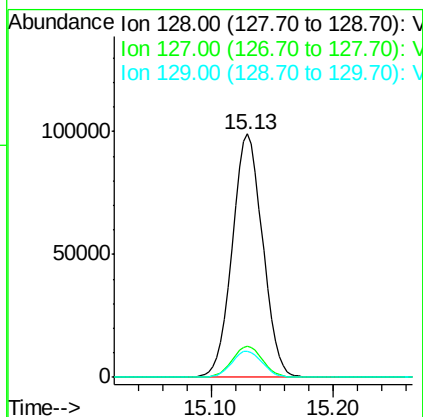
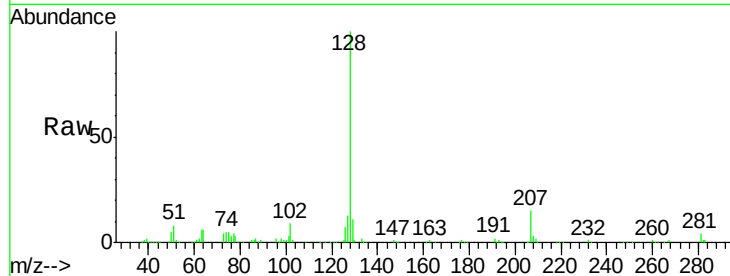
#95
Naphthalene
Concen: 18.578 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN0302WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	170826		
127	12.9		10.4	15.6
129	10.8		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.007 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060304.D
Acq: 2 Mar 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55700		
182	95.5		47.3	142.0
145	32.3		16.2	48.5

