

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030320\
 Data File : VN060319.D
 Acq On : 3 Mar 2020 11:06
 Operator : JC/MD
 Sample : VN0303WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 10:44:01 AM

Quant Time: Mar 04 01:38:13 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	206886	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	307173	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147124	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128143	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
35) Dibromofluoromethane	7.57	113	83587	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	10.08	98	375115	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.40	95	141172	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32426	17.095	ug/l	98
3) Chloromethane	2.04	50	58567	17.734	ug/l	98
4) Vinyl Chloride	2.16	62	47820	16.884	ug/l	98
5) Bromomethane	2.54	94	17530	13.629	ug/l	95
6) Chloroethane	2.69	64	25468	16.597	ug/l	96
7) Trichlorofluoromethane	3.00	101	61733	17.060	ug/l	98
8) Diethyl Ether	3.38	74	23947	17.528	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35397	17.285	ug/l	99
10) Methyl Iodide	3.93	142	31210	16.699	ug/l	98
11) Tert butyl alcohol	4.73	59	35680	90.526	ug/l	99
12) 1,1-Dichloroethene	3.72	96	34547	17.331	ug/l	98
13) Acrolein	3.58	56	31422	85.456	ug/l	98
14) Allyl chloride	4.29	41	65872	17.975	ug/l	97
15) Acrylonitrile	4.94	53	96008	92.415	ug/l	99
16) Acetone	3.78	43	77143	89.996	ug/l	100
17) Carbon Disulfide	4.03	76	92115	16.999	ug/l	100
18) Methyl Acetate	4.29	43	47367	16.559	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	131690	18.249	ug/l	99
20) Methylene Chloride	4.52	84	40842	17.349	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	39052	18.015	ug/l	98
22) Diisopropyl ether	5.92	45	136928	18.446	ug/l	97
23) Vinyl Acetate	5.86	43	545101	92.410	ug/l	99
24) 1,1-Dichloroethane	5.81	63	76225	18.140	ug/l	100
25) 2-Butanone	6.80	43	128158	92.563	ug/l	100
26) 2,2-Dichloropropane	6.80	77	68819	17.990	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46586	17.066	ug/l	99
28) Bromochloromethane	7.17	49	31336	18.163	ug/l	99
29) Tetrahydrofuran	7.18	42	87532	90.915	ug/l	100
30) Chloroform	7.35	83	77256	18.469	ug/l	99
31) Cyclohexane	7.63	56	68510	18.254	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	66553	17.957	ug/l	99
36) 1,1-Dichloropropene	7.77	75	56099	17.656	ug/l	99
37) Ethyl Acetate	6.90	43	58212	19.349	ug/l	99
38) Carbon Tetrachloride	7.75	117	54883	17.742	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	66581	17.773	ug/l	97
40) Benzene	8.02	78	167787	18.144	ug/l	100
41) Methacrylonitrile	7.14	41	21205	15.265	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62050	18.594	ug/l	99
43) Isopropyl Acetate	8.14	43	100454	19.073	ug/l	99
44) Trichloroethene	8.82	130	45075	17.501	ug/l	97
45) 1,2-Dichloropropane	9.10	63	46057	19.049	ug/l	98
46) Dibromomethane	9.19	93	28134	17.933	ug/l	98
47) Bromodichloromethane	9.39	83	59387	18.612	ug/l	99
48) Methyl methacrylate	9.18	41	42851	17.841	ug/l	97
49) 1,4-Dioxane	9.18	88	12667	375.037	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	281386	94.228	ug/l	100
52) Toluene	10.14	92	103516	17.820	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	69296	17.724	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	73399	18.117	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	42124	18.032	ug/l	98
56) Ethyl methacrylate	10.42	69	61295	18.264	ug/l	99
57) 1,3-Dichloropropane	10.70	76	70946	18.623	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154385	87.955	ug/l	99
59) 2-Hexanone	10.74	43	203647	92.881	ug/l	100
60) Dibromochloromethane	10.89	129	43350	18.247	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41533	18.238	ug/l	96
64) Tetrachloroethene	10.62	164	48635	19.239	ug/l	99
65) Chlorobenzene	11.43	112	109645	17.677	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41716	18.190	ug/l	99
67) Ethyl Benzene	11.51	91	202643	17.940	ug/l	100
68) m/p-Xylenes	11.62	106	150879	35.404	ug/l	99
69) o-Xylene	11.94	106	73970	18.202	ug/l	98
70) Styrene	11.96	104	116813	17.483	ug/l	100
71) Bromoform	12.12	173	30008	18.155	ug/l #	99
73) Isopropylbenzene	12.25	105	198400	18.194	ug/l	100
74) N-amyl acetate	12.07	43	84562	17.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55198	18.622	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	54730m	16.955	ug/l	
77) Bromobenzene	12.52	156	47251	17.677	ug/l	100
78) n-propylbenzene	12.59	91	231085	18.079	ug/l	100
79) 2-Chlorotoluene	12.67	91	136854	18.214	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	167292	18.221	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21195	18.126	ug/l #	85
82) 4-Chlorotoluene	12.77	91	139713	17.649	ug/l	98
83) tert-Butylbenzene	12.99	119	143616	18.067	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	166189	17.933	ug/l	99
85) sec-Butylbenzene	13.17	105	192040	18.041	ug/l	100
86) p-Isopropyltoluene	13.29	119	175152	17.778	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84625	18.304	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83438	18.050	ug/l	99
89) n-Butylbenzene	13.61	91	159018	17.582	ug/l	99
90) Hexachloroethane	13.87	117	24179	16.955	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	81677	17.438	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11318	16.861	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52497	17.696	ug/l	100
94) Hexachlorobutadiene	15.01	225	26770	19.215	ug/l	98
95) Naphthalene	15.13	128	150922	17.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51269	18.176	ug/l	100

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

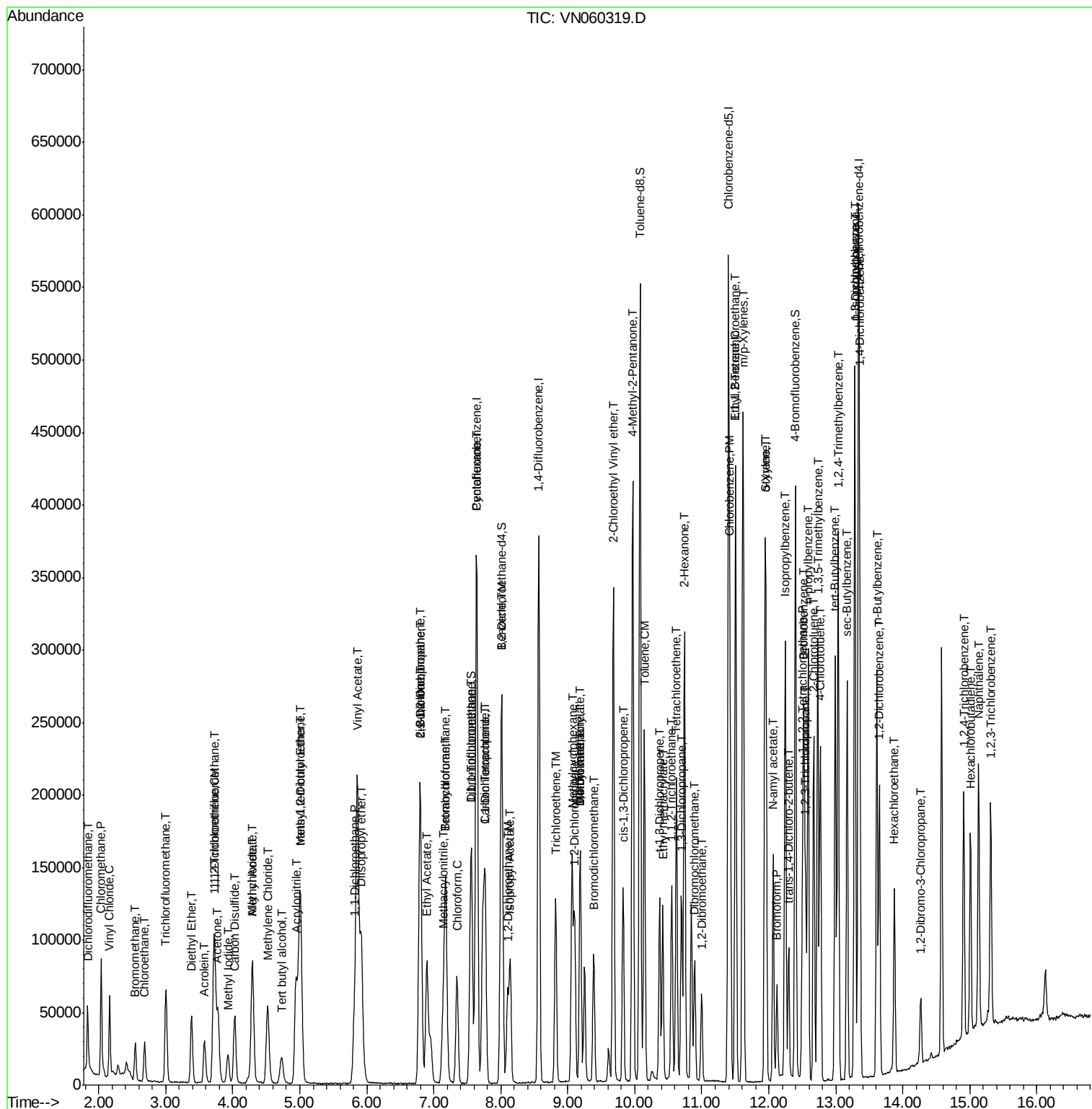
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion:168 Resp: 206886

Ion Ratio Lower Upper

168 100

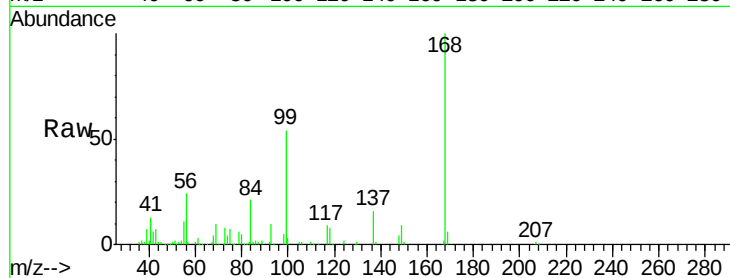
99 54.5 44.7 67.1

Manual Integrations

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3/4/2020 10:44:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

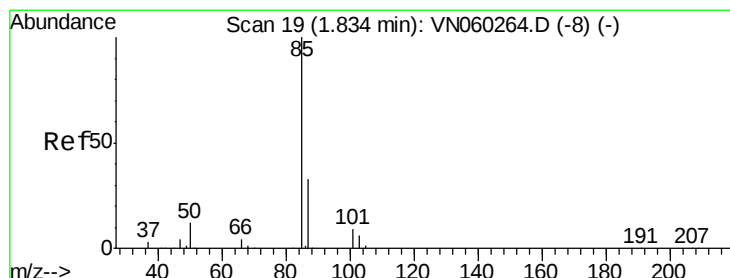
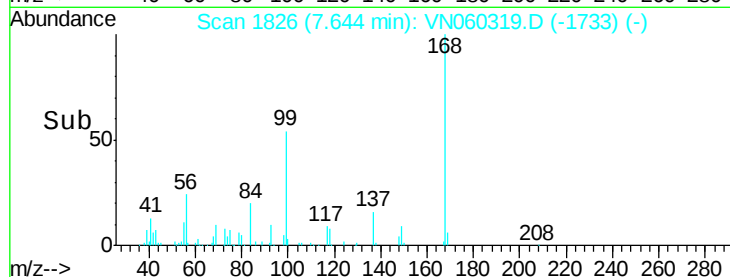
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 17.095 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060319.D

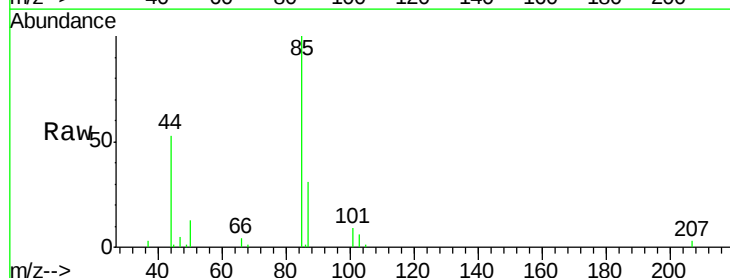
Acq: 3 Mar 2020 11:06

Tgt Ion: 85 Resp: 32426

Ion Ratio Lower Upper

85 100

87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

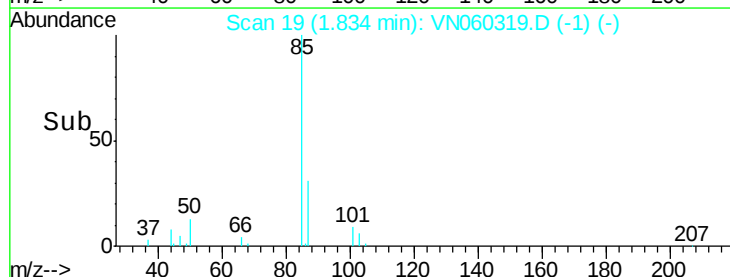
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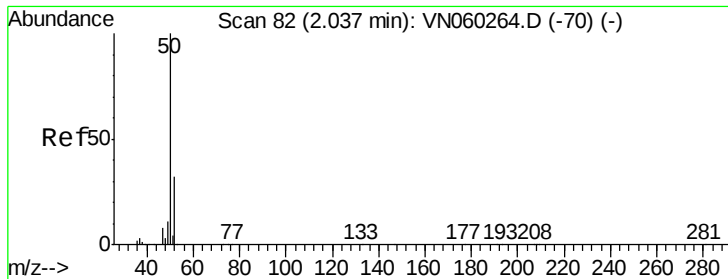
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.734 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0303WBS01

Tot Ion: 50 Resp: 58567

Ion Ratio Lower Upper

50 100

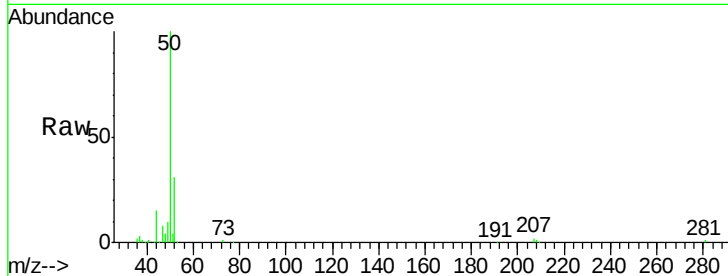
52 31.0 25.6 38.4

Manual Integrations

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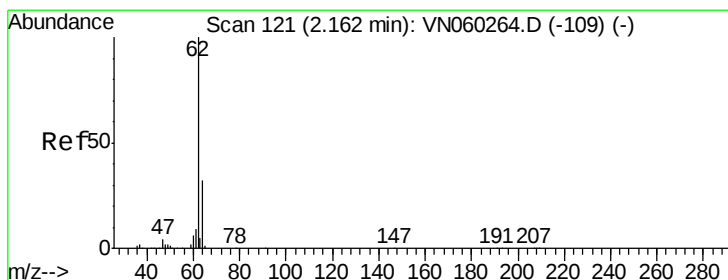
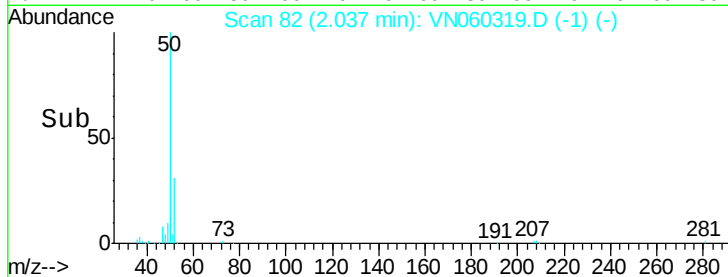
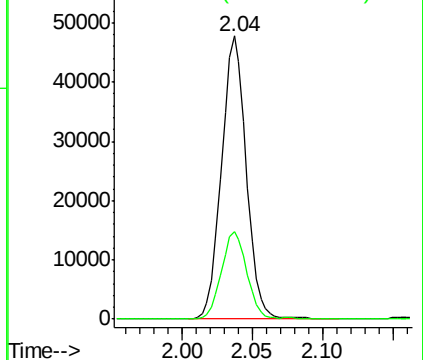
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.884 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060319.D

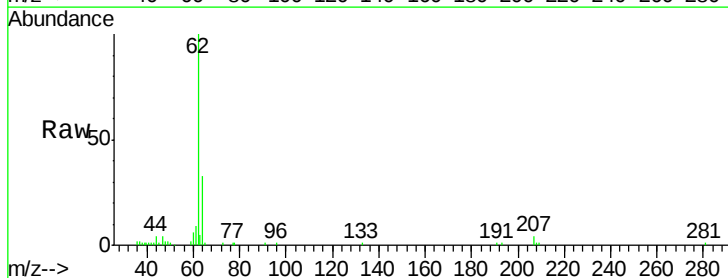
Acq: 3 Mar 2020 11:06

Tgt Ion: 62 Resp: 47820

Ion Ratio Lower Upper

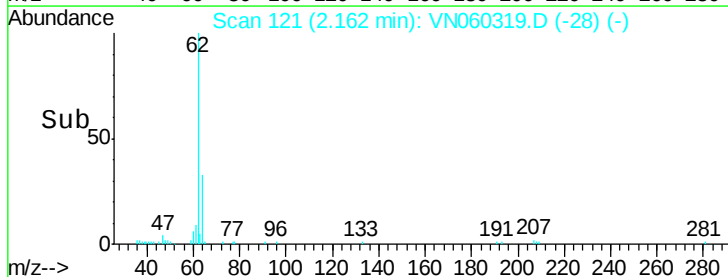
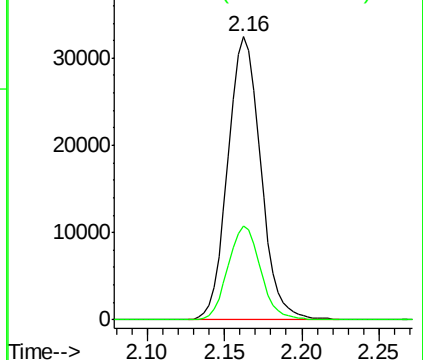
62 100

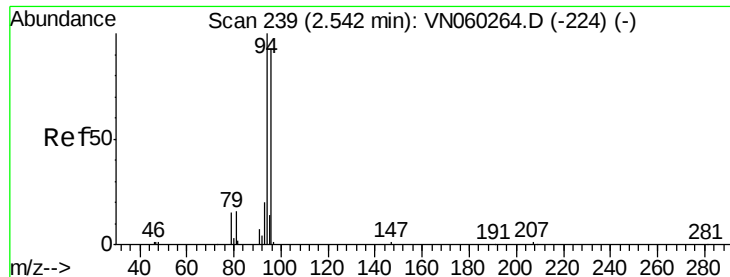
64 33.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.629 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion: 94 Resp: 17530

Ion Ratio Lower Upper

94 100

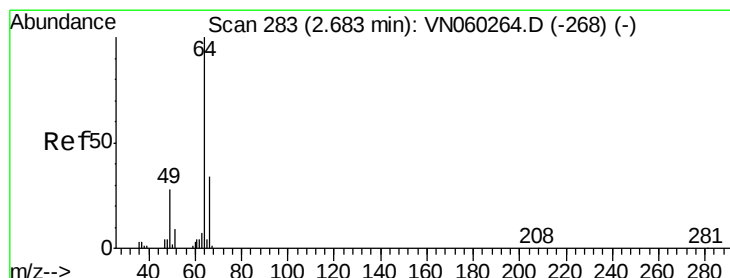
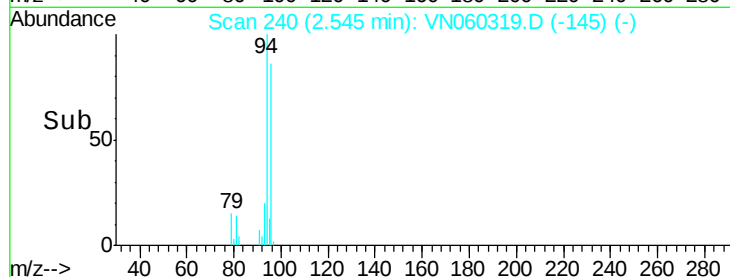
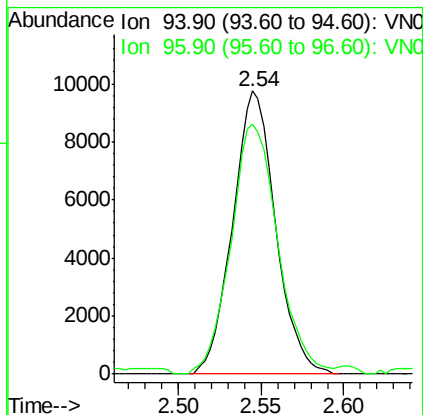
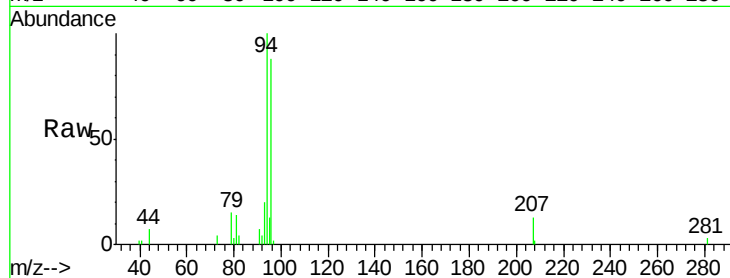
96 88.2 74.3 111.5

Manual Integrations

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3/4/2020 10:44:01 AM



#6

Chloroethane

Concen: 16.597 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060319.D

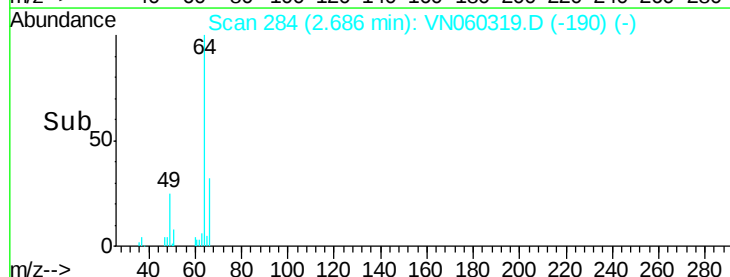
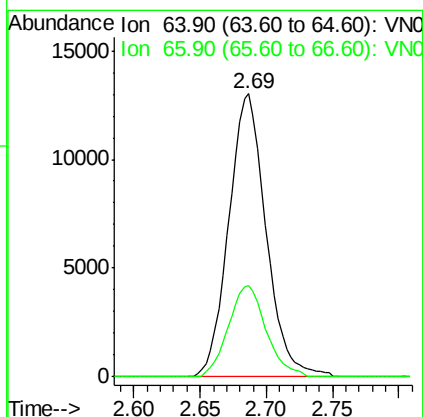
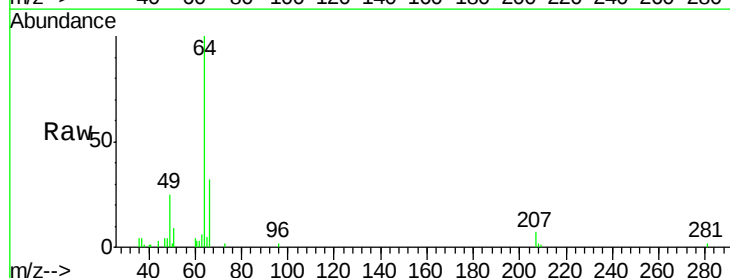
Acq: 3 Mar 2020 11:06

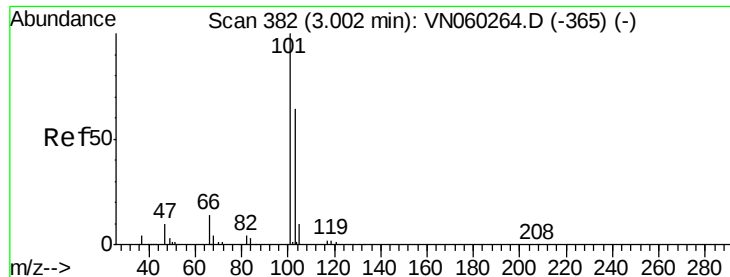
Tgt Ion: 64 Resp: 25468

Ion Ratio Lower Upper

64 100

66 32.1 27.4 41.2





#7

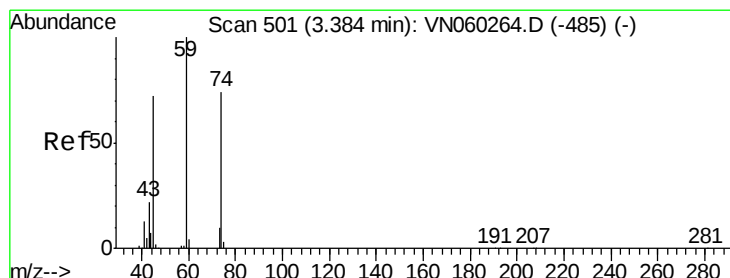
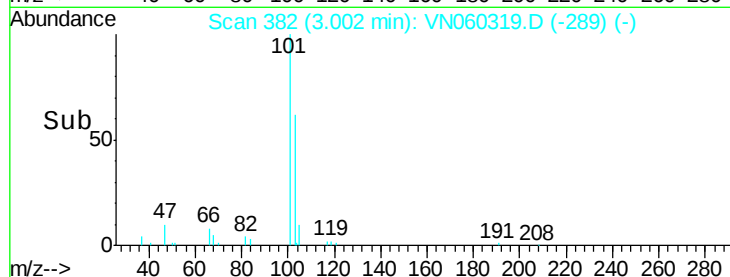
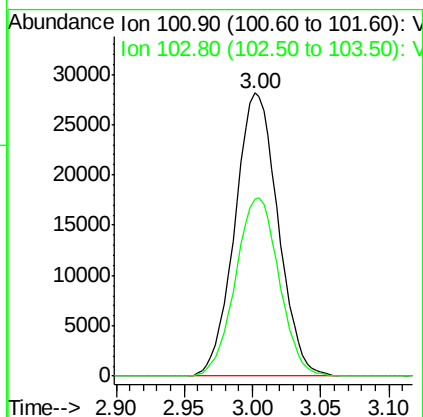
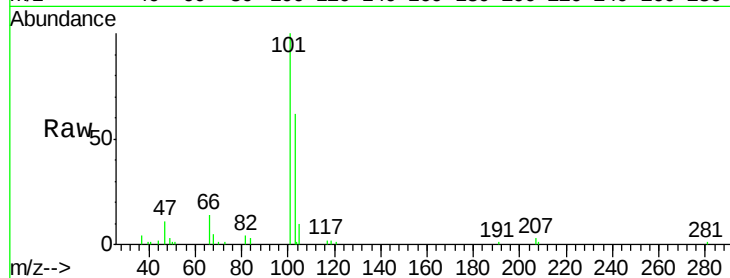
Trichlorofluoromethane
Concen: 17.060 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060319.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		61733		
103	62.5	51.3	76.9		

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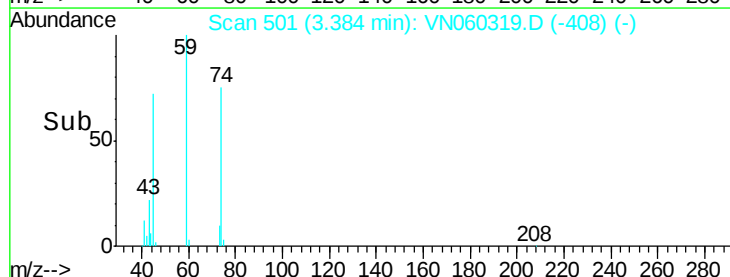
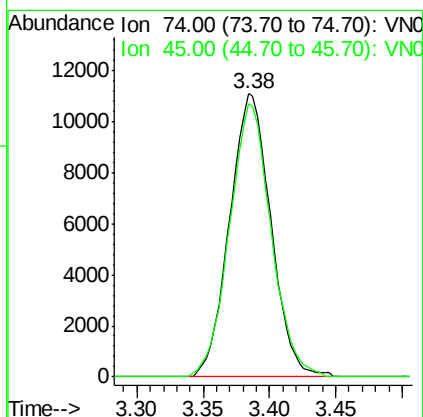
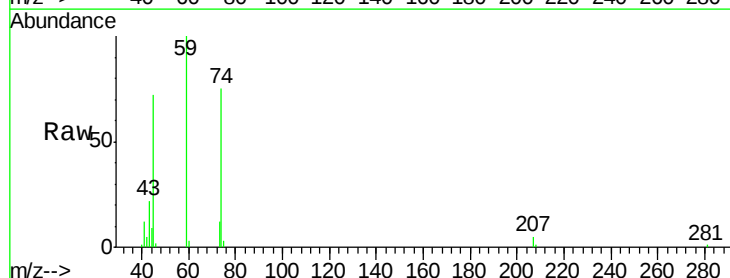
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3/4/2020 10:44:01 AM



#8

Diethyl Ether
Concen: 17.528 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		23947		
45	97.4	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.285 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

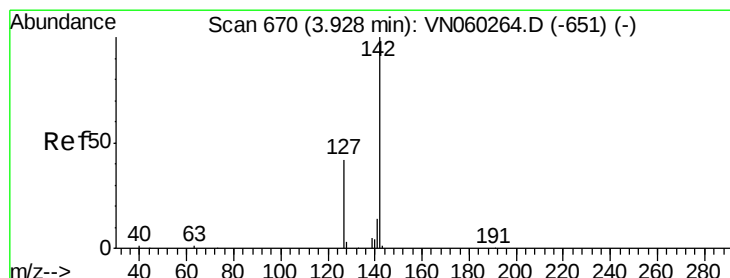
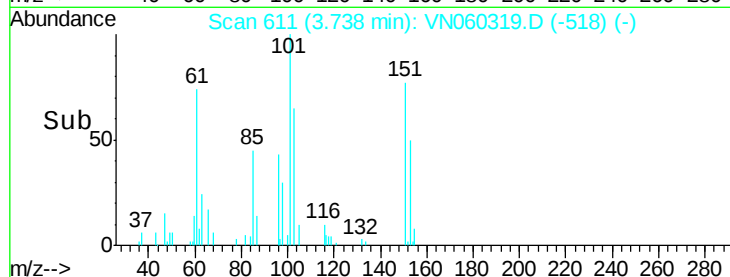
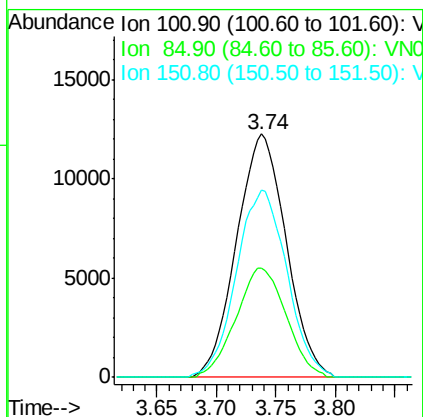
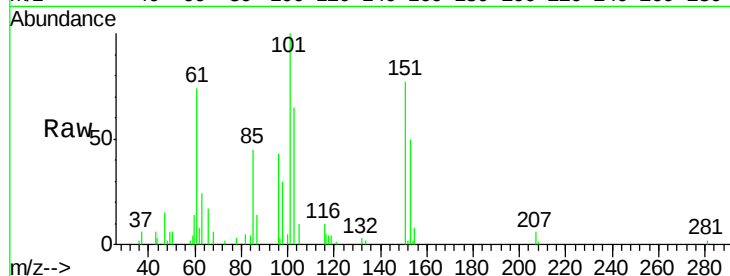
ClientSampleId :

VN0303WBS01

Tot Ion:	101	Resp:	35397
Ion Ratio	Lower	Upper	
101	100		
85	45.4	35.4	53.2
151	78.3	62.0	93.0

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#10

Methyl Iodide

Concen: 16.699 ug/l

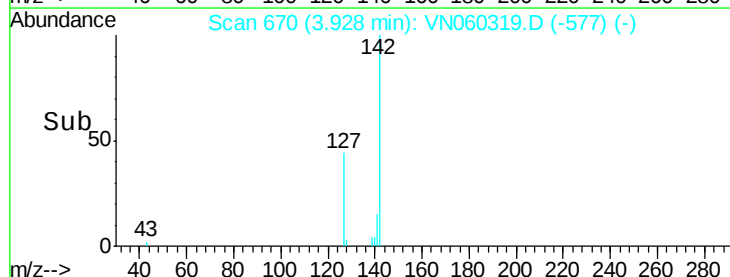
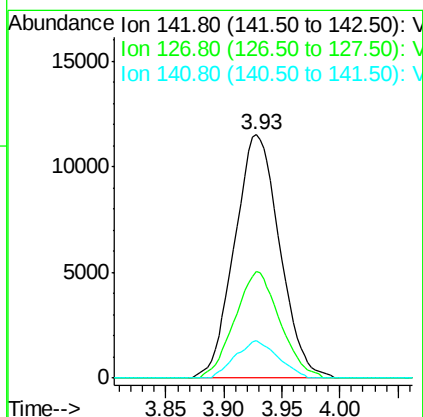
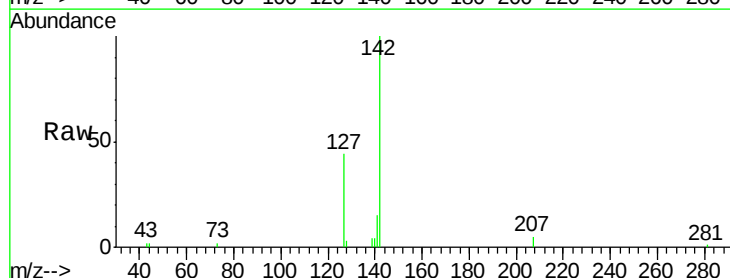
RT: 3.93 min Scan# 670

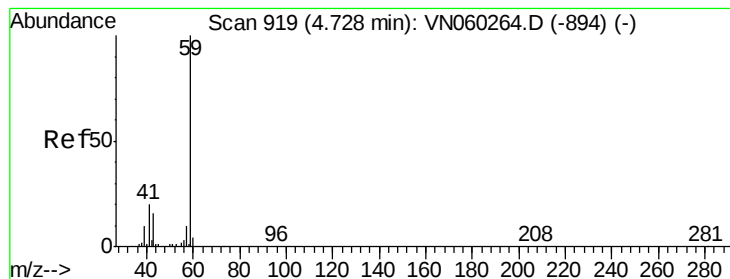
Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	142	Resp:	31210
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.8	50.6
141	14.4	11.1	16.7





#11

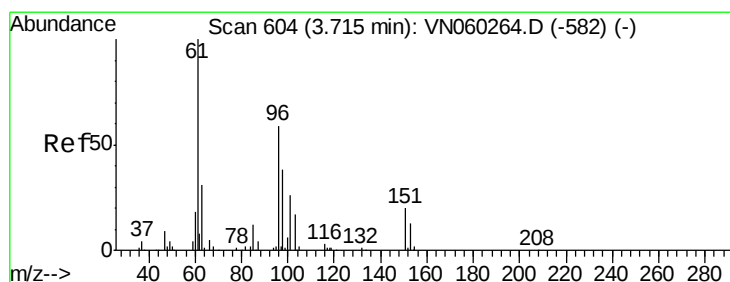
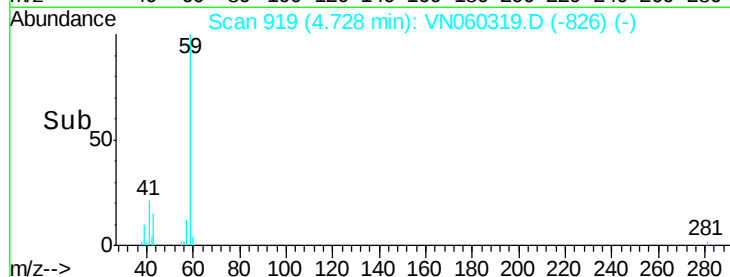
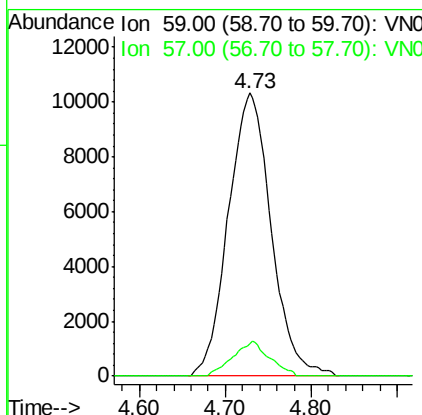
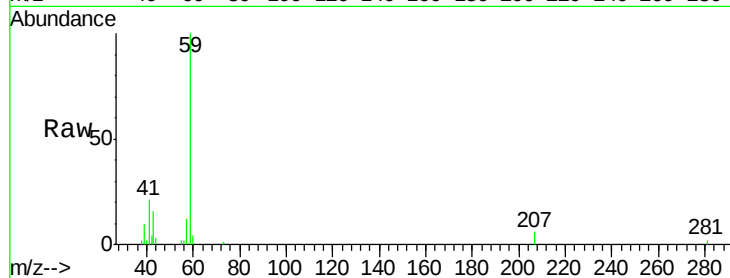
Tert butyl alcohol
Concen: 90.526 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

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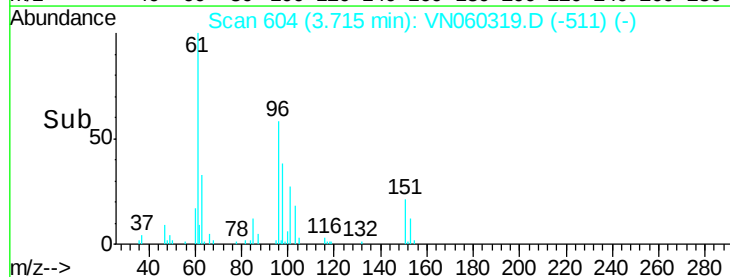
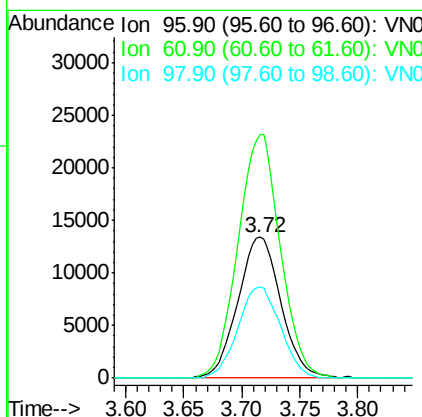
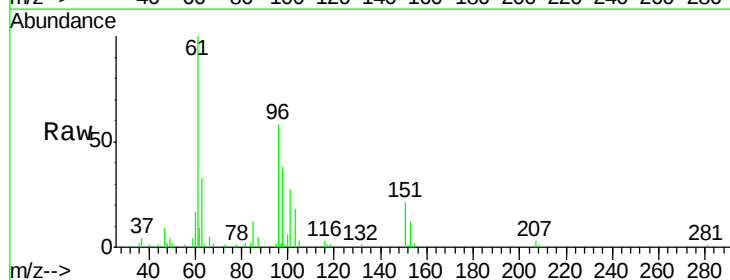
MMDadoda
3/4/2020 10:44:01 AM

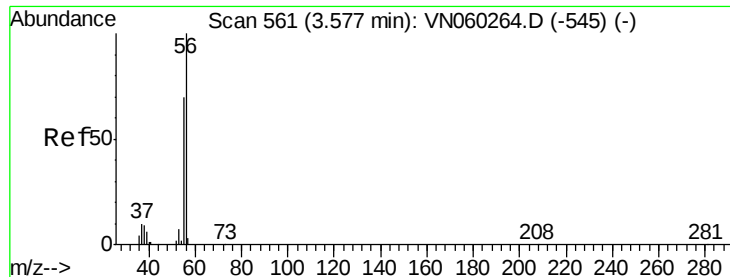


#12

1,1-Dichloroethene
Concen: 17.331 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.1	135.4	203.0
98	65.0	51.6	77.4





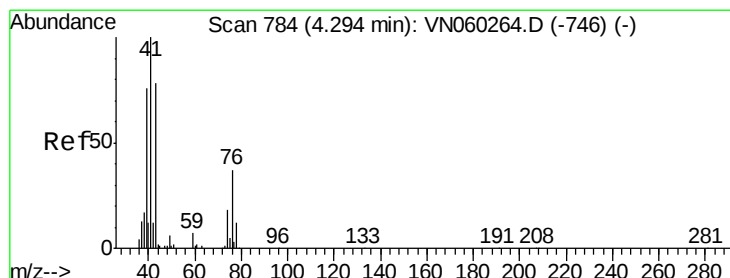
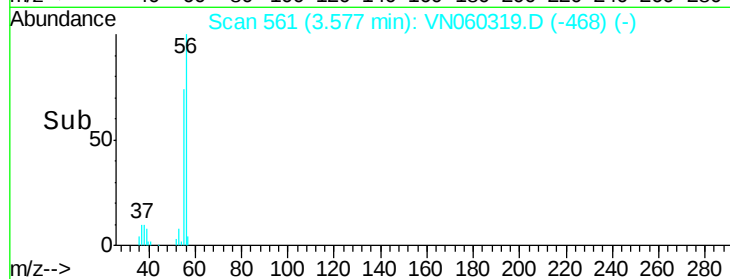
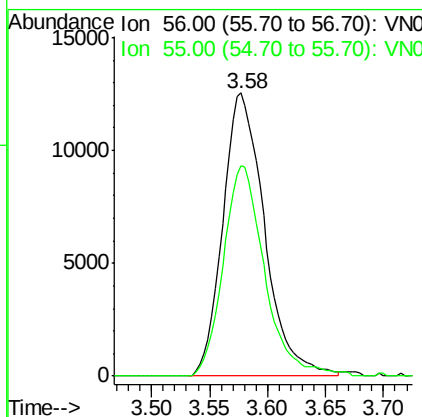
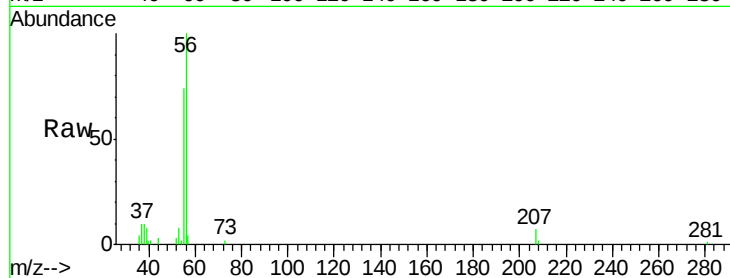
#13
Acrolein
Concen: 85.456 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.1	57.4	86.0	

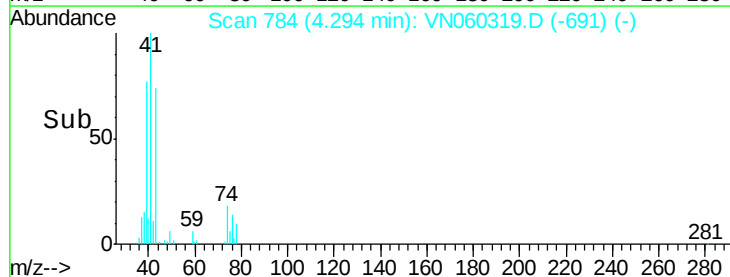
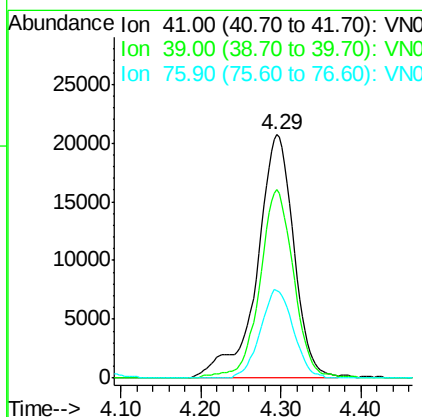
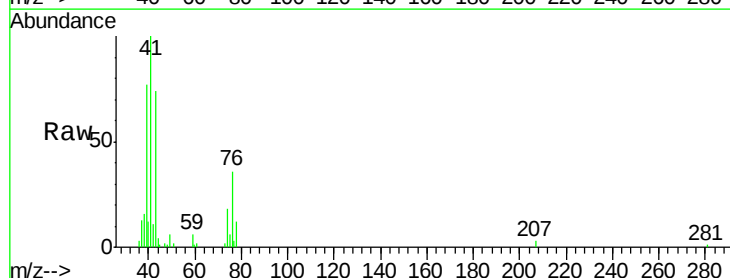
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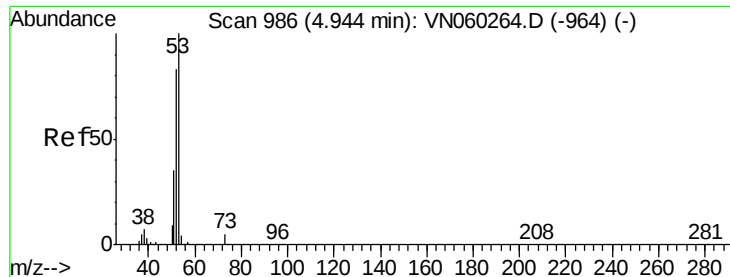
MMDadoda
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#14
Allyl chloride
Concen: 17.975 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	71.8	55.4	83.2	
76	32.4	27.0	40.6	





#15

Acrylonitrile

Concen: 92.415 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

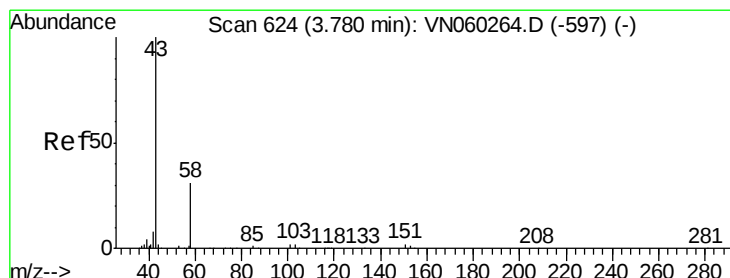
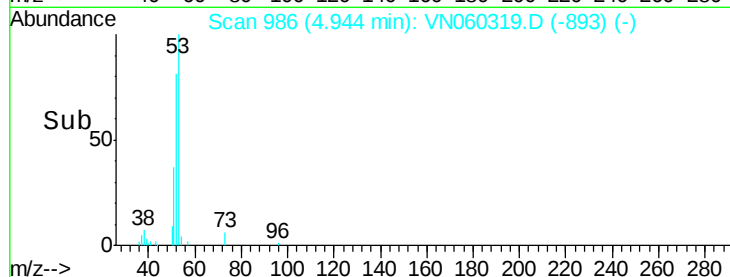
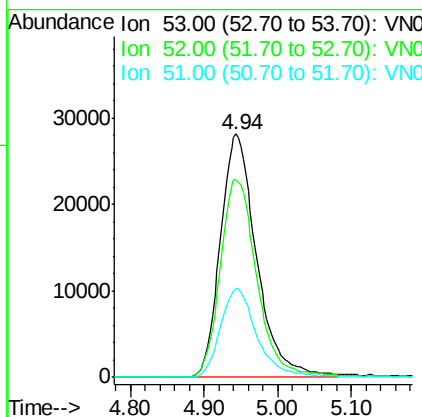
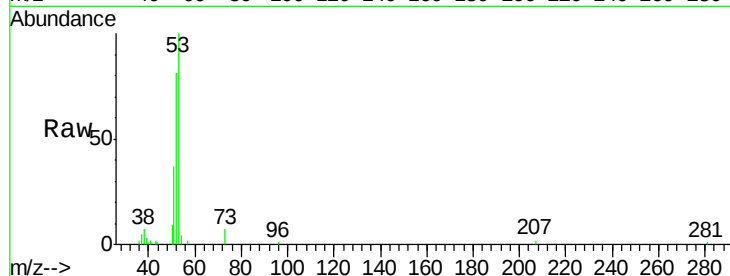
ClientSampleId :

VN0303WBS01

Tot Ion:	53	Resp:	96008
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	36.5	29.0	43.6

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#16

Acetone

Concen: 89.996 ug/l

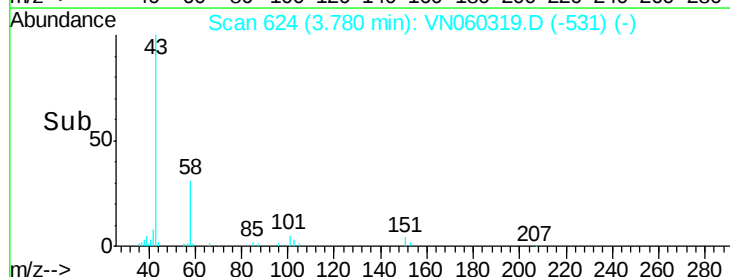
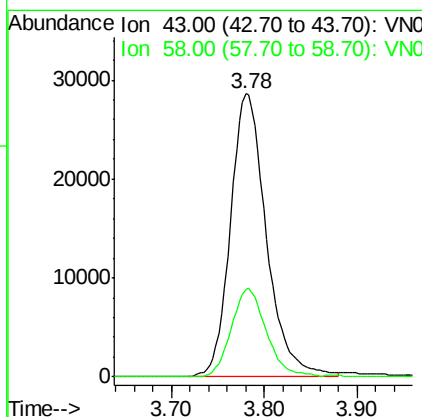
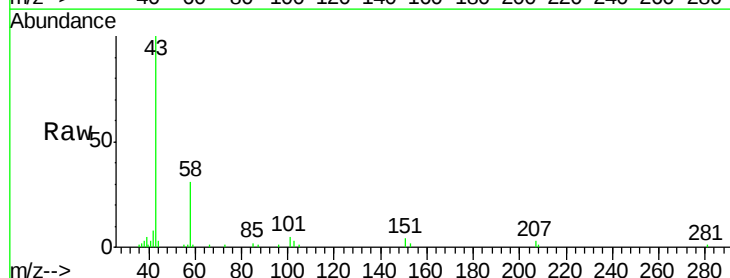
RT: 3.78 min Scan# 624

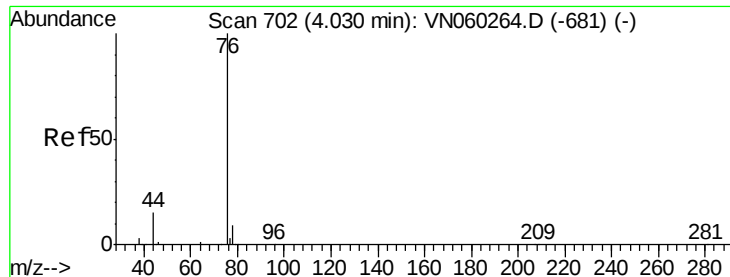
Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	43	Resp:	77143
Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.6	36.8





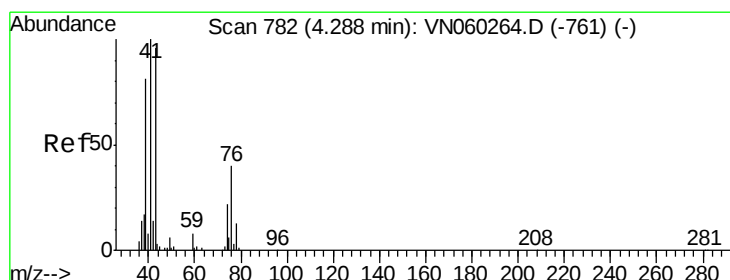
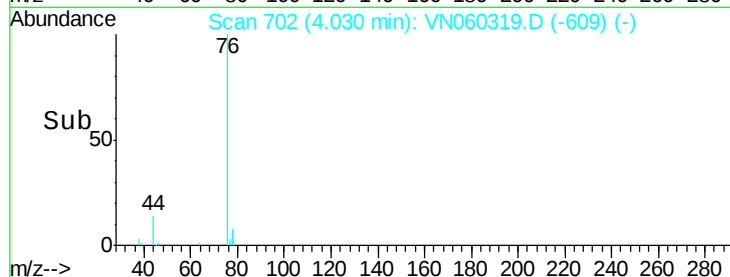
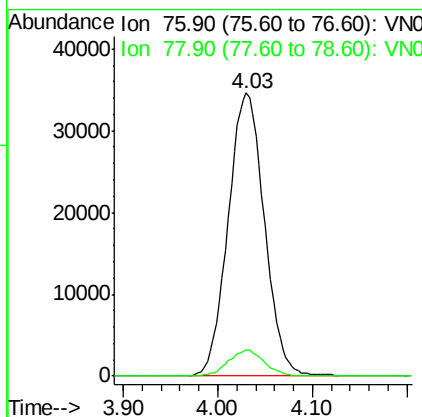
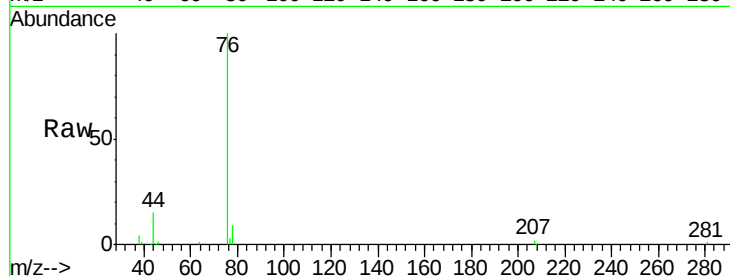
#17
Carbon Disulfide
Concen: 16.999 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

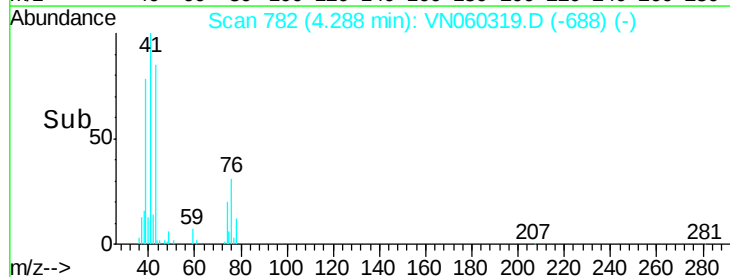
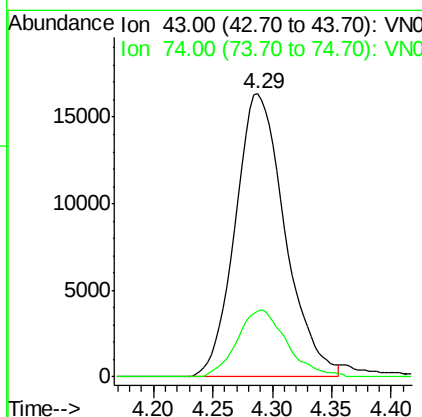
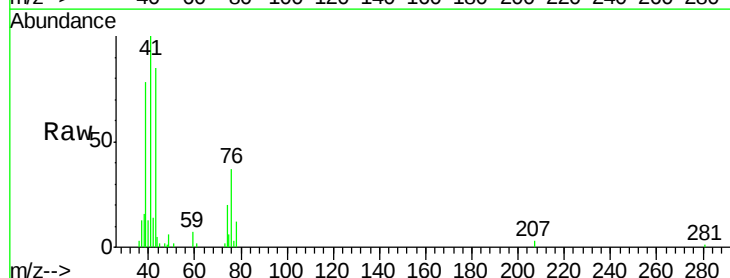
Manual Integrations
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3/4/2020 10:44:01 AM



#18
Methyl Acetate
Concen: 16.559 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.8	28.2





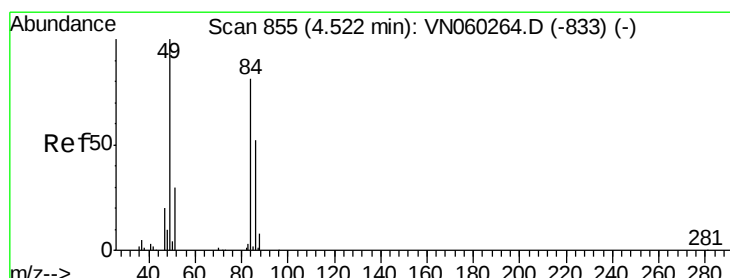
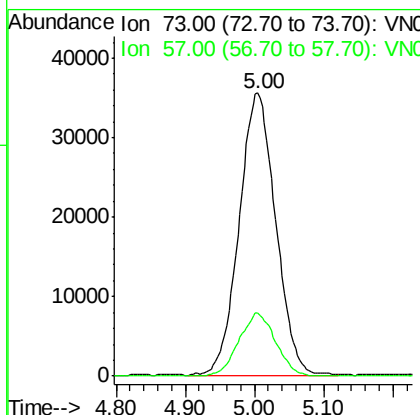
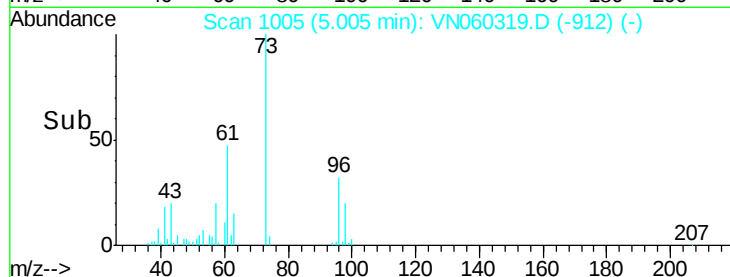
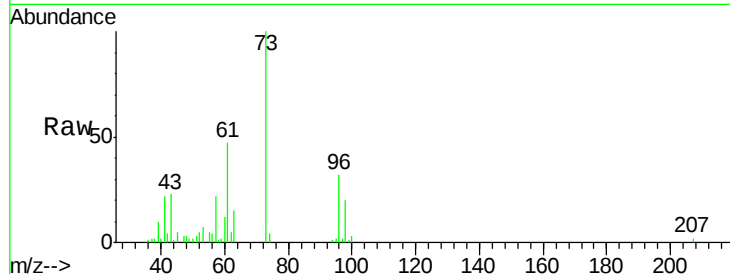
#19
Methvl tert-butvl Ether
Concen: 18.249 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion: 73 Resp: 131690
Ion Ratio Lower Upper
73 100
57 22.2 17.3 25.9

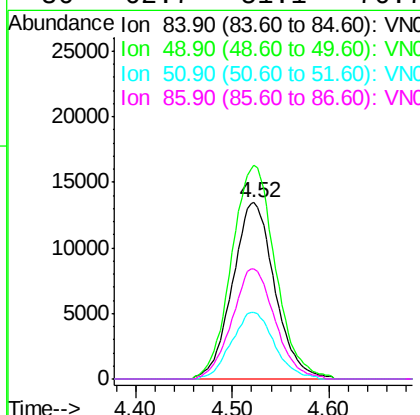
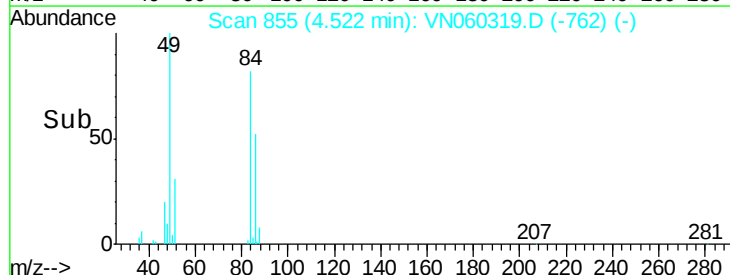
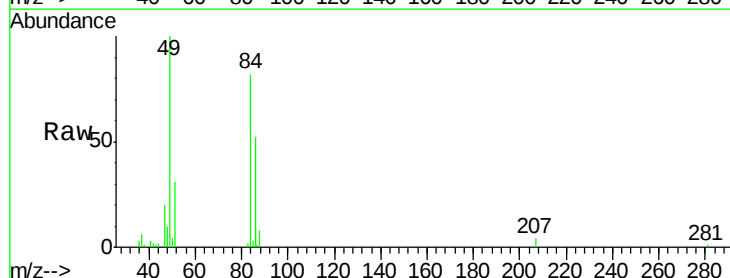
Manual Integrations
APPROVED

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3/4/2020 10:44:01 AM



#20
Methylene Chloride
Concen: 17.349 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion: 84 Resp: 40842
Ion Ratio Lower Upper
84 100
49 121.3 99.3 148.9
51 37.5 30.1 45.1
86 62.7 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.015 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

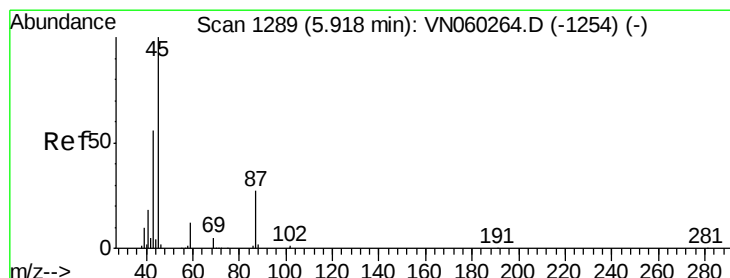
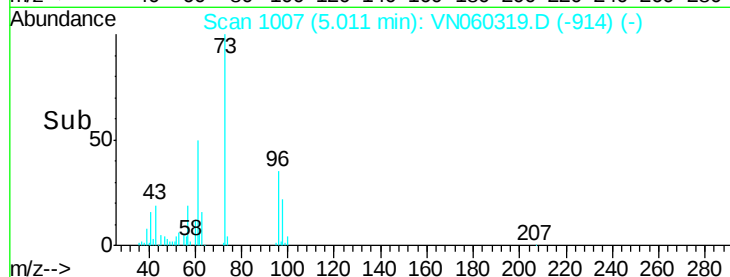
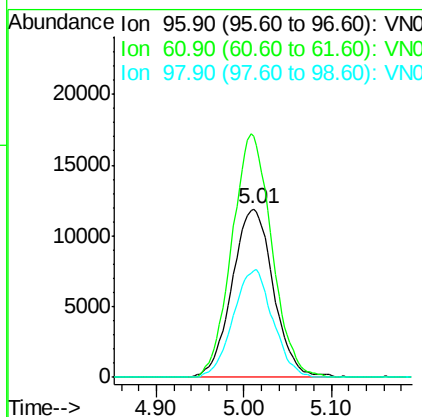
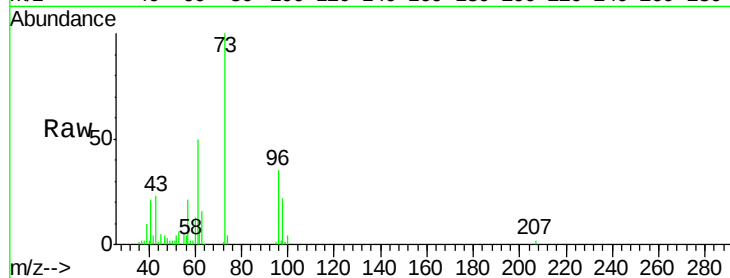
ClientSampleId :

VN0303WBS01

Tot Ion:	96	Resp:	39052
Ion	Ratio	Lower	Upper
96	100		
61	143.7	113.8	170.8
98	63.5	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.446 ug/l

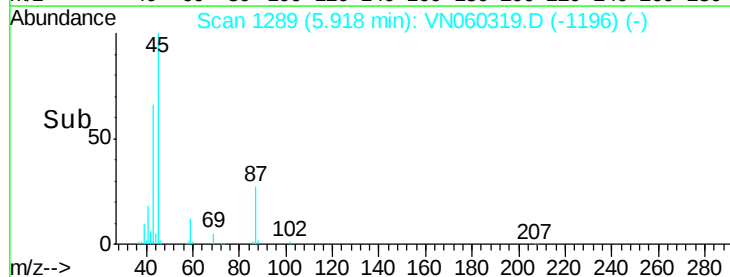
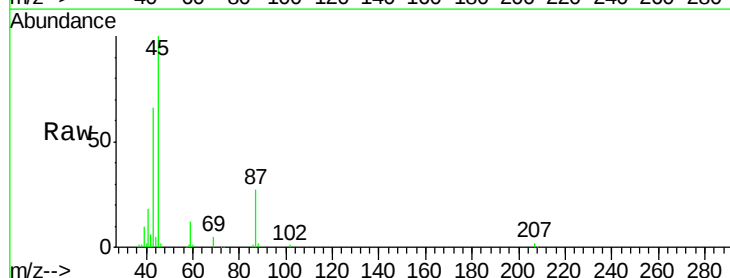
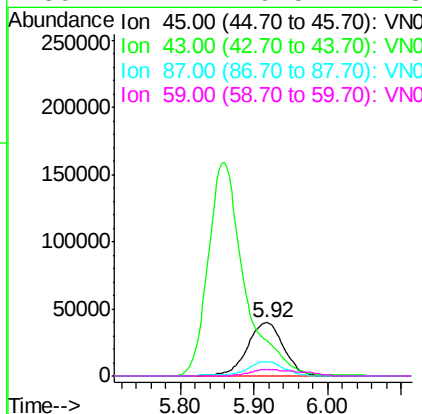
RT: 5.92 min Scan# 1289

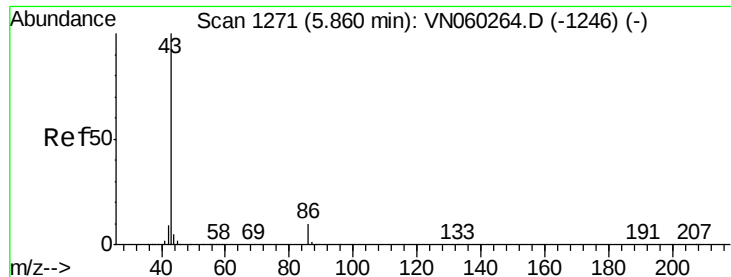
Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	45	Resp:	136928
Ion	Ratio	Lower	Upper
45	100		
43	64.5	48.6	72.8
87	27.3	22.2	33.2
59	11.2	9.5	14.3





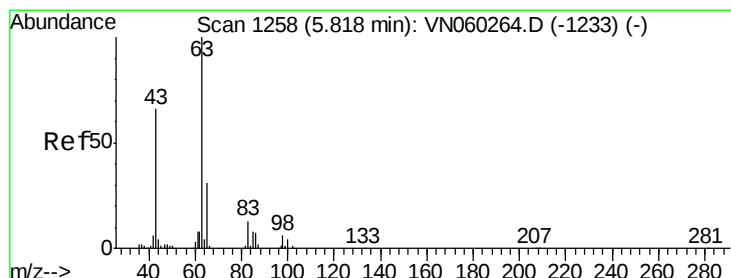
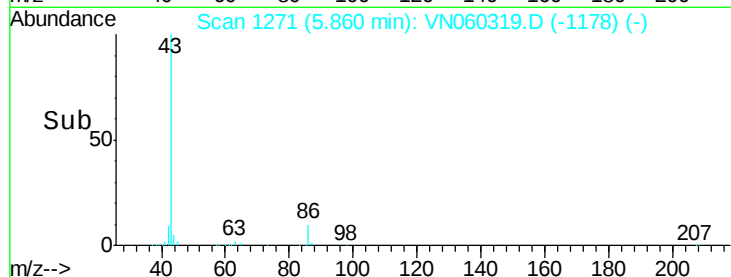
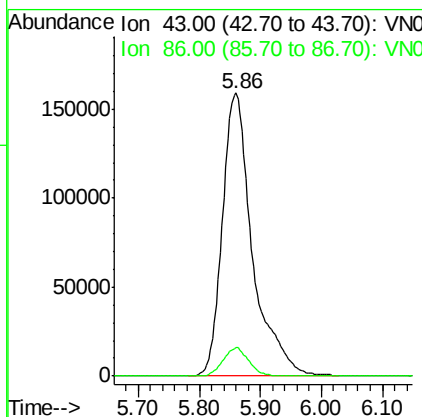
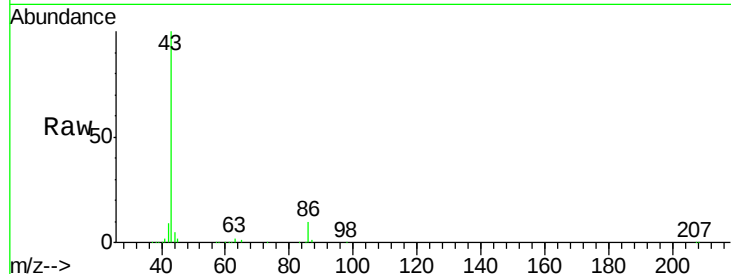
#23
 Vinyl Acetate
 Concen: 92.410 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.2	8.0	12.0

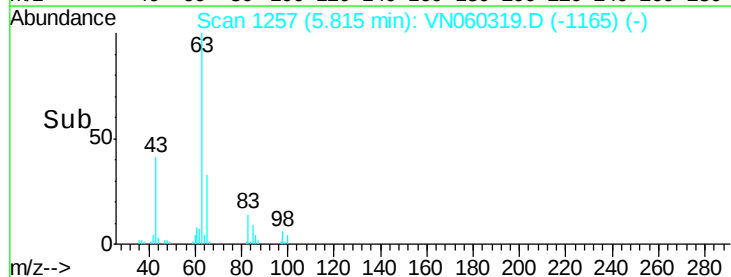
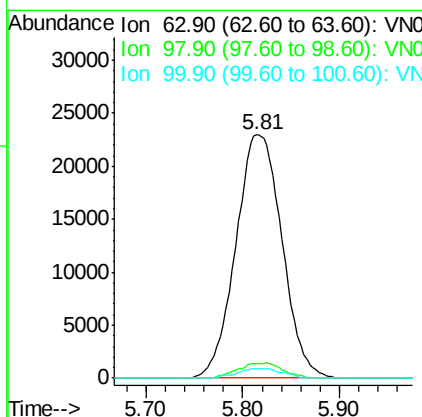
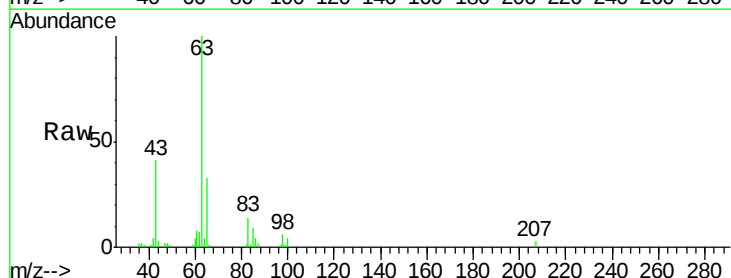
Manual Integrations
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 3/4/2020 10:44:01 AM



#24
 1,1-Dichloroethane
 Concen: 18.140 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.0	9.0
100	3.9	2.0	6.0





#25

2-Butanone

Concen: 92.563 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0303WBS01

Tot Ion: 43 Resp: 128158

Ion Ratio Lower Upper

43 100

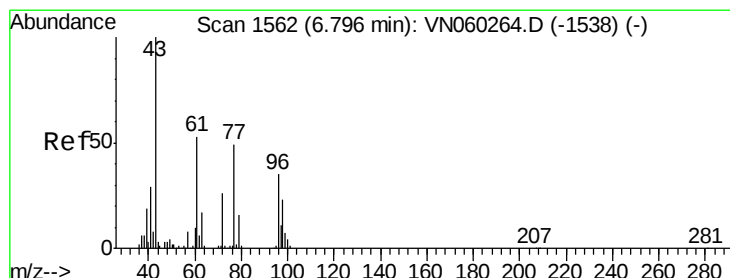
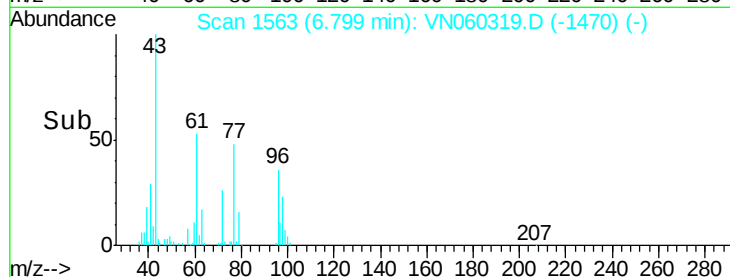
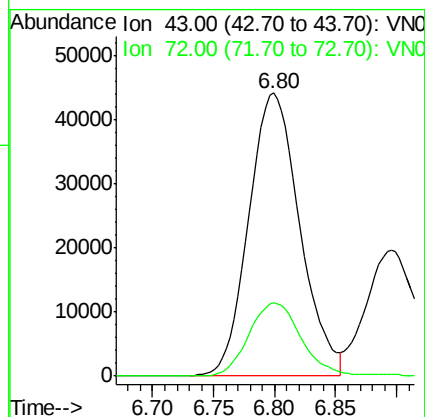
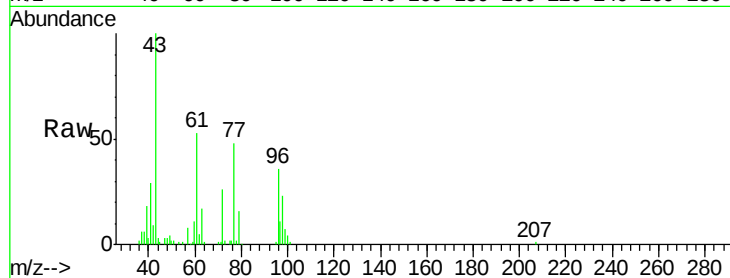
72 25.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.990 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060319.D

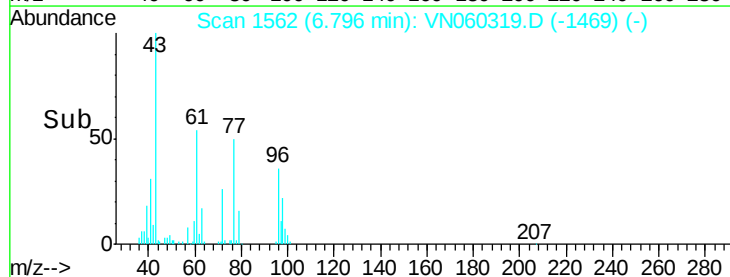
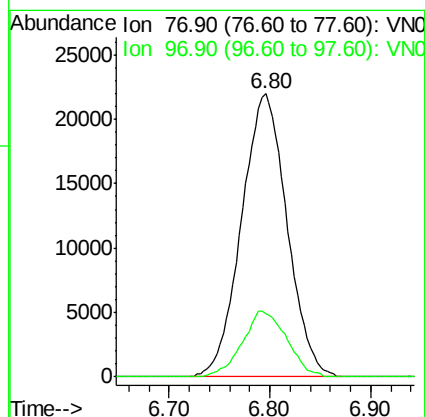
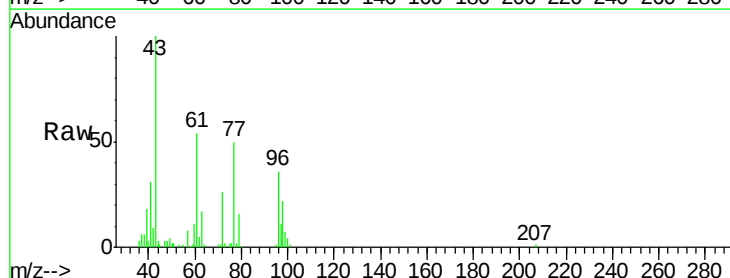
Acq: 3 Mar 2020 11:06

Tgt Ion: 77 Resp: 68819

Ion Ratio Lower Upper

77 100

97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.066 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

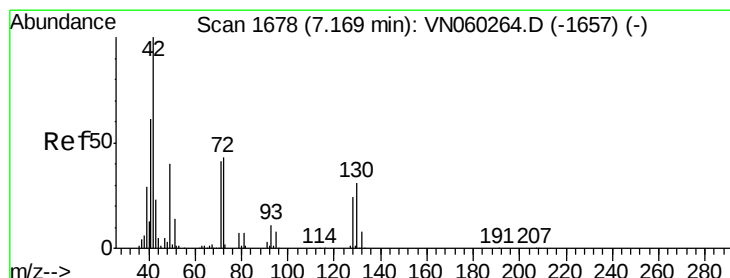
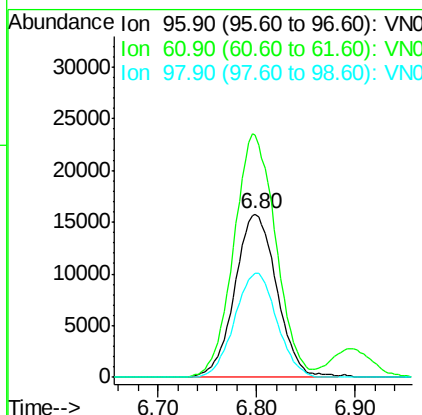
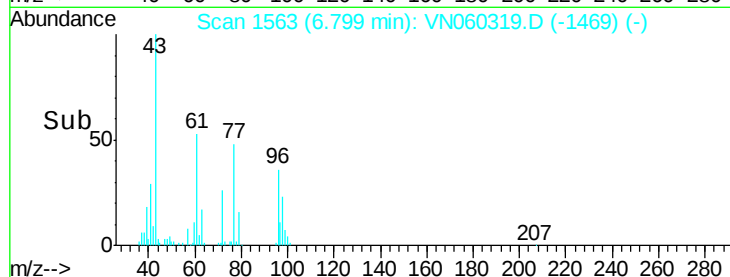
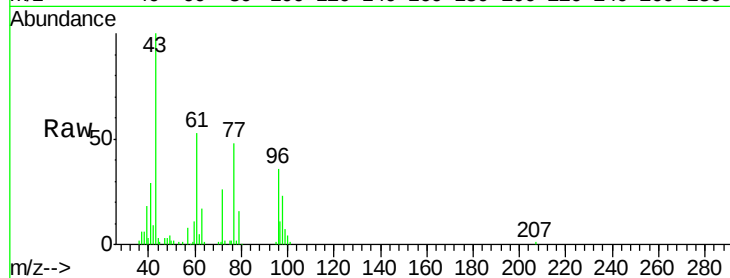
ClientSampled :

VN0303WBS01

Tot Ion:	96	Resp:	46586
Ion	Ratio	Lower	Upper
96	100		
61	148.9	0.0	300.8
98	63.8	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 18.163 ug/l

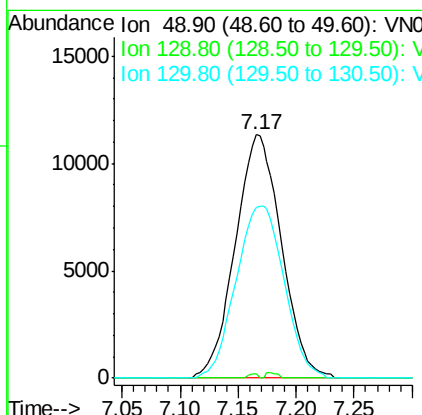
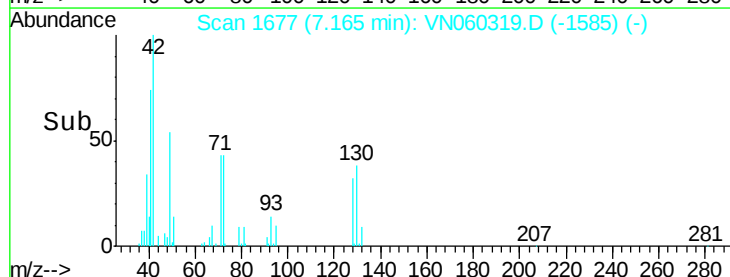
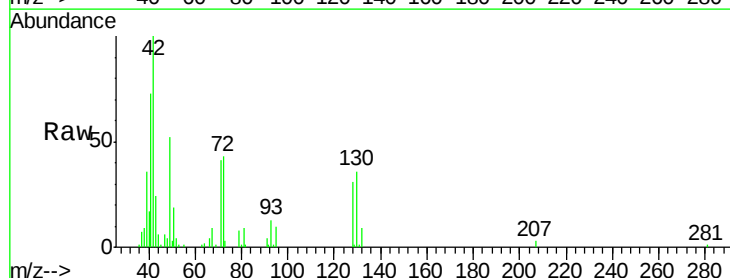
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	49	Resp:	31336
Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	73.7	59.8	89.8





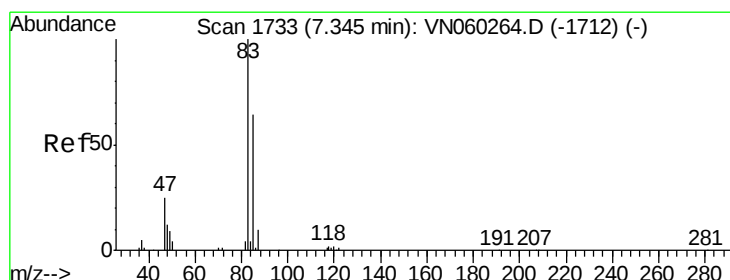
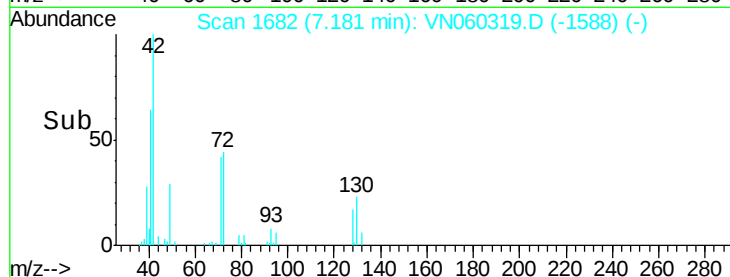
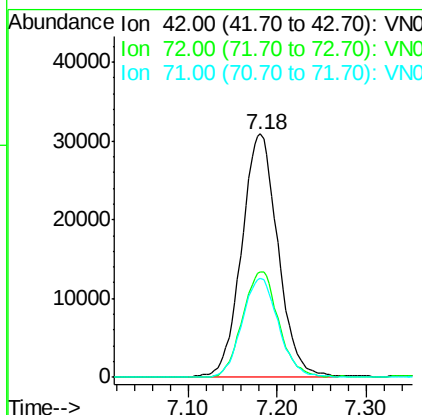
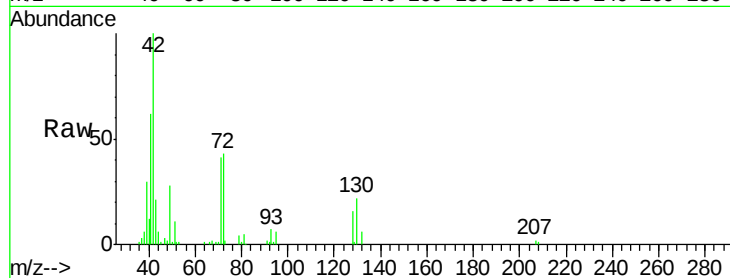
#29
Tetrahydrofuran
Concen: 90.915 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	34.6	52.0
71	40.7	32.9	49.3

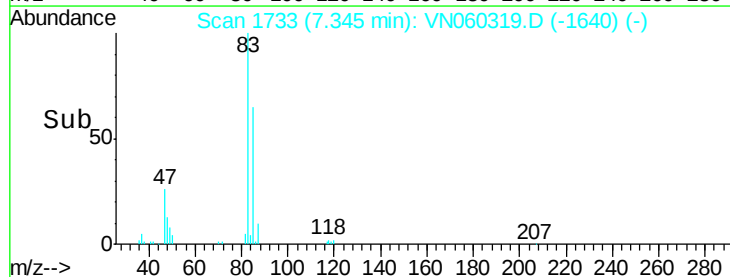
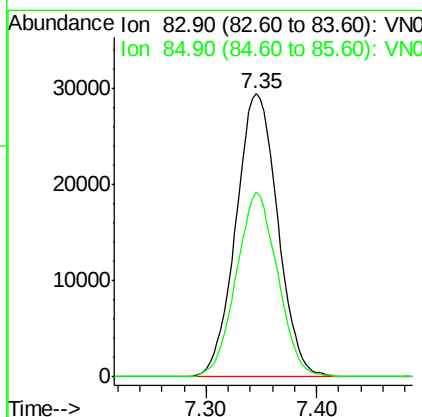
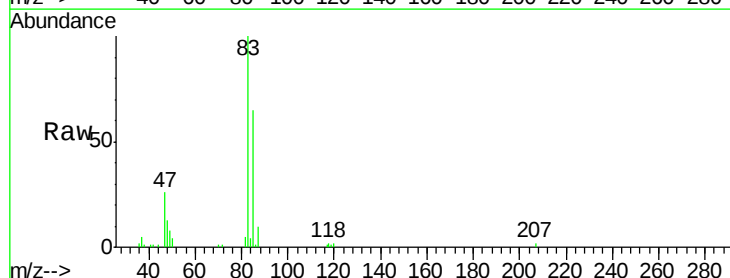
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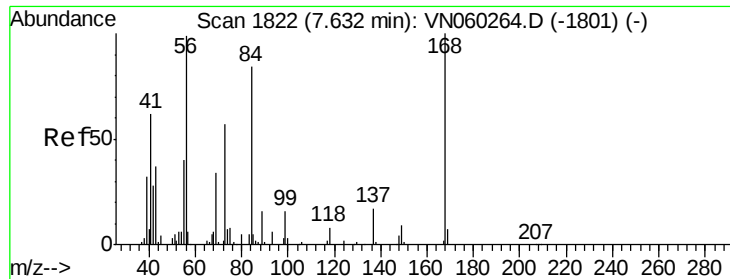
MMDadoda
3/4/2020 10:44:01 AM



#30
Chloroform
Concen: 18.469 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





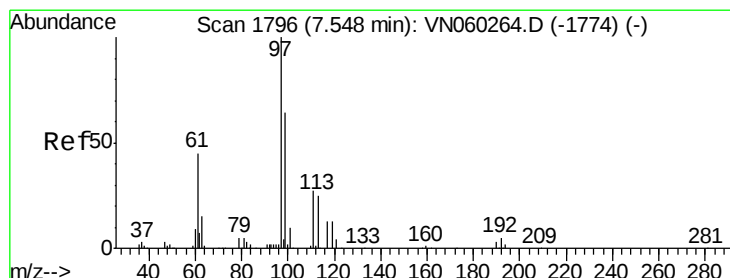
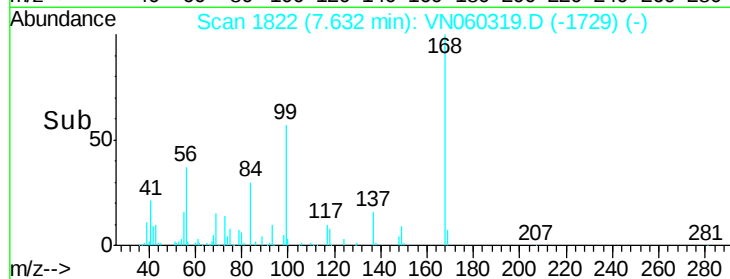
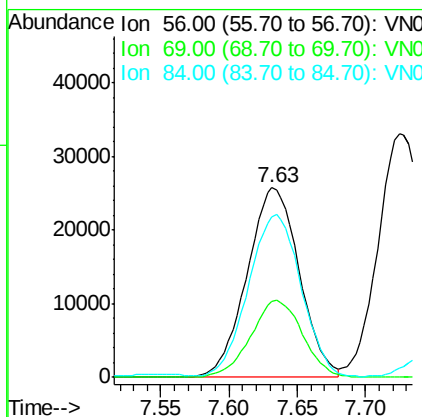
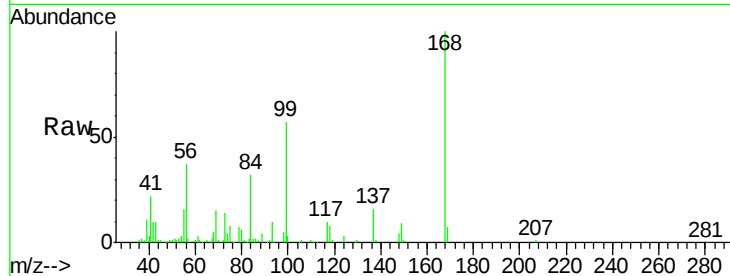
#31
Cyclohexane
Concen: 18.254 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	40.3	27.2	40.8	
84	83.6	66.7	100.1	

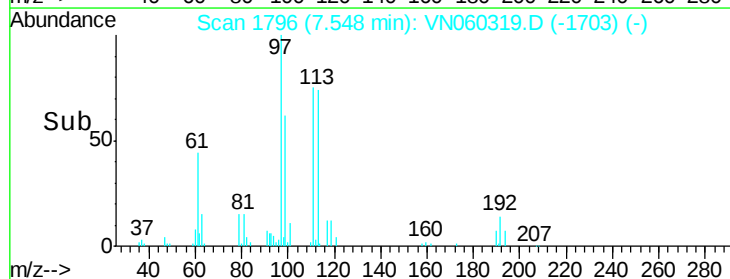
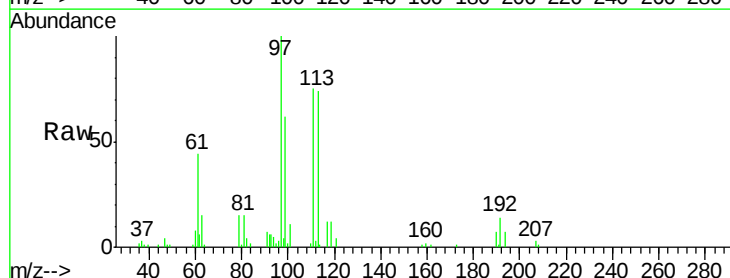
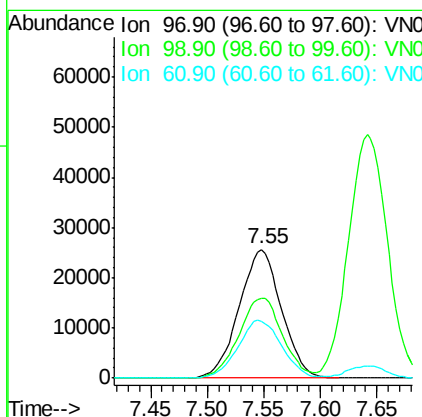
Manual Integrations
APPROVED

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3/4/2020 10:44:01 AM



#32
1,1,1-Trichloroethane
Concen: 17.957 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.4	51.4	77.0	
61	46.6	36.6	55.0	





#33

1,2-Dichloroethane-d4

Concen: 48.276 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion: 65 Resp: 128143

Ion Ratio Lower Upper

65 100

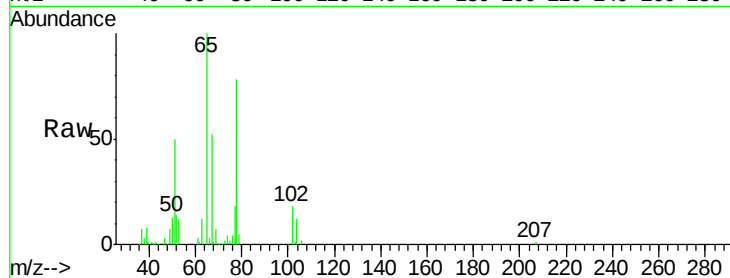
67 52.6 0.0 103.8

Manual Integrations

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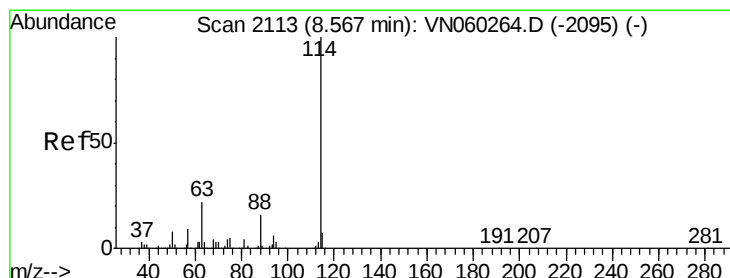
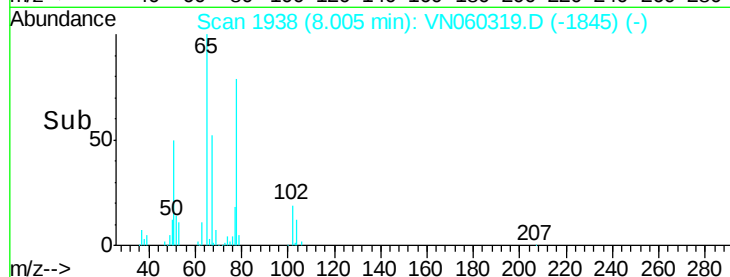
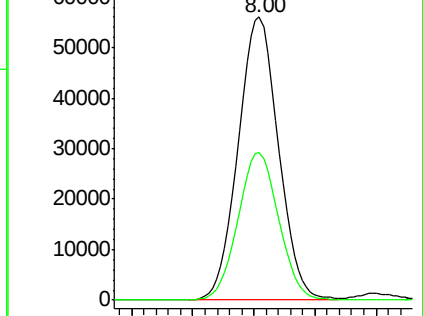
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Abundance Ion 64.90 (64.60 to 65.60): VN060319.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060319.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

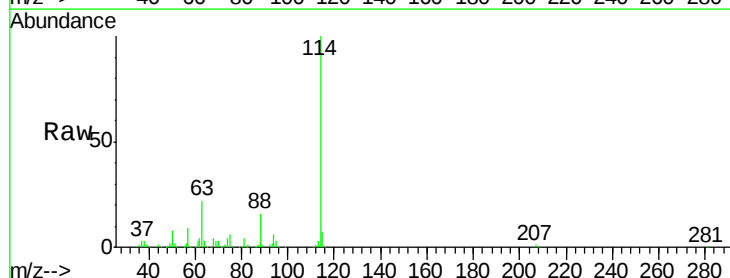
Tgt Ion: 114 Resp: 333381

Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

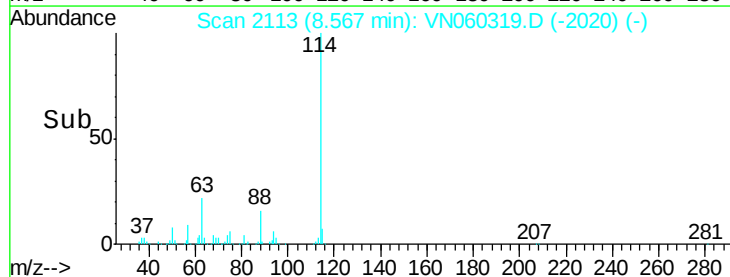
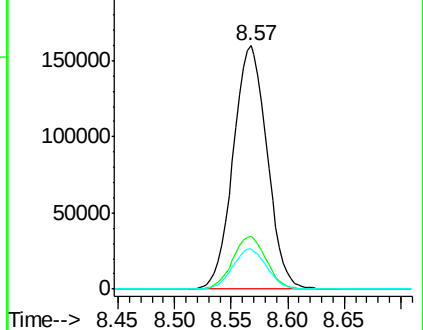
88 16.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060319.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060319.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060319.D (-2020) (-)





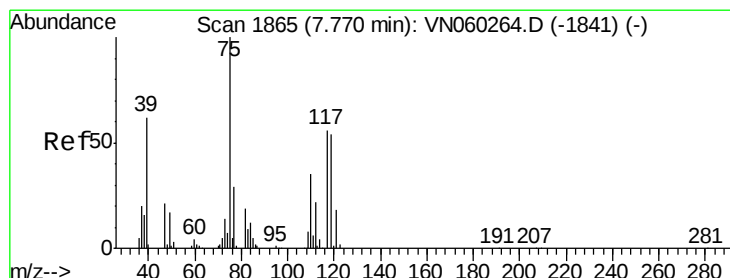
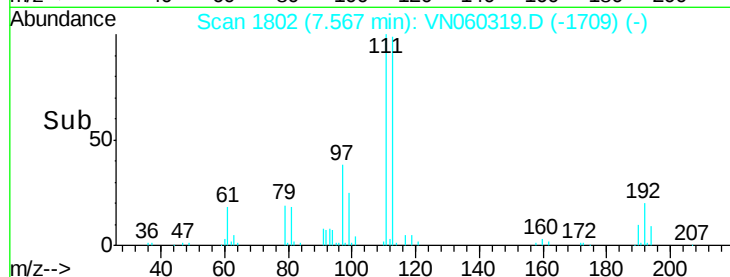
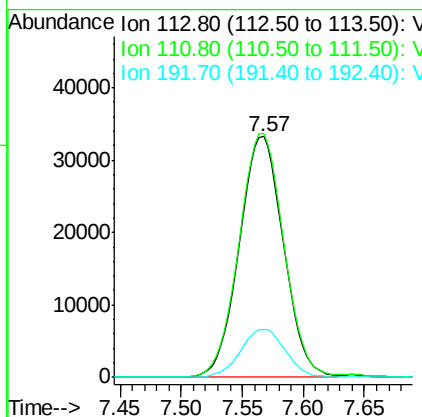
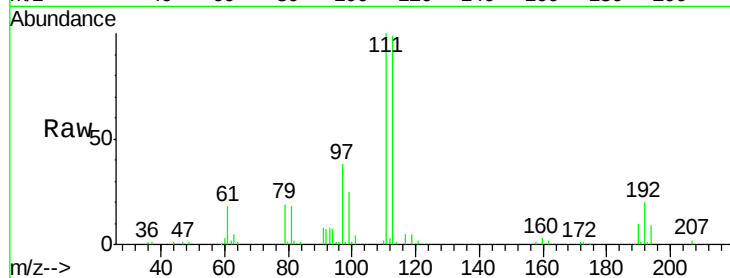
#35
Dibromofluoromethane
Concen: 54.016 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	20.2	16.2	24.2

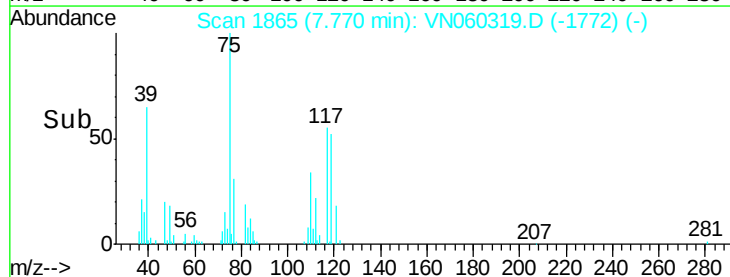
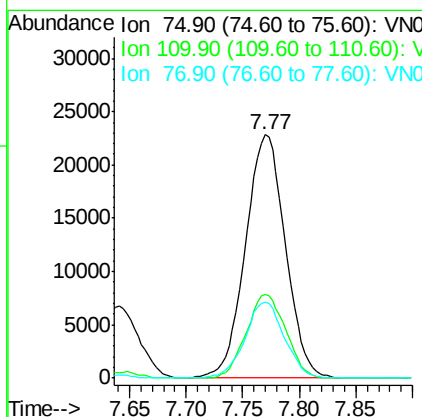
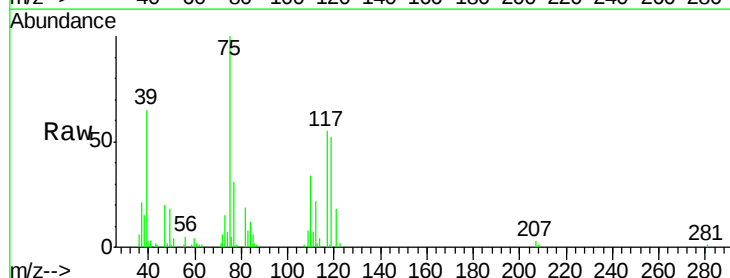
Manual Integrations
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#36
1,1-Dichloropropene
Concen: 17.656 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.3	52.0
77	30.7	24.2	36.2





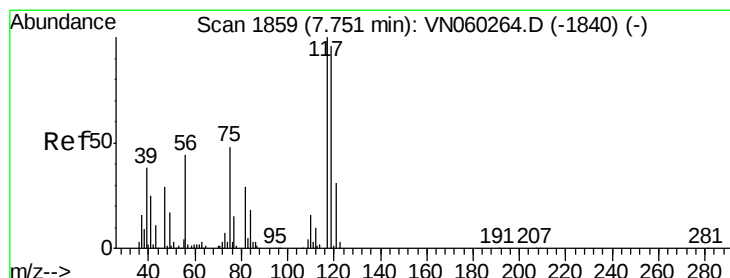
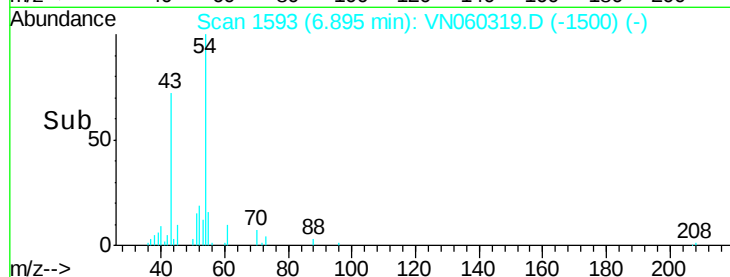
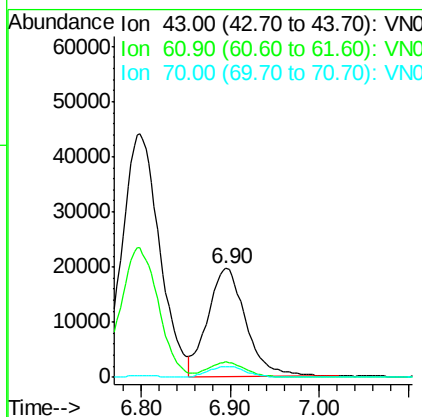
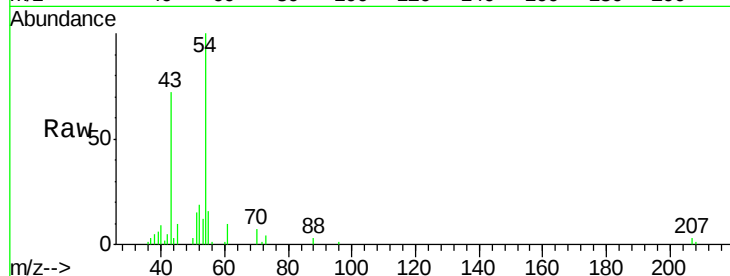
#37
Ethyl Acetate
Concen: 19.349 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.1	16.7
70	9.9	8.4	12.6

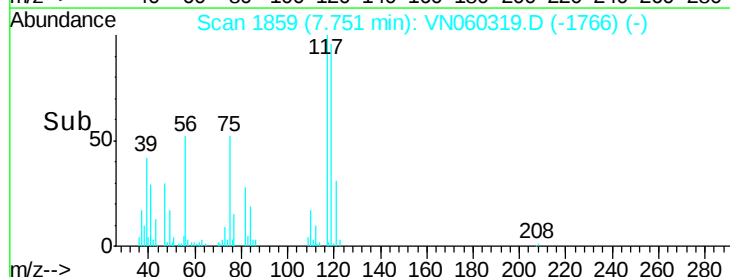
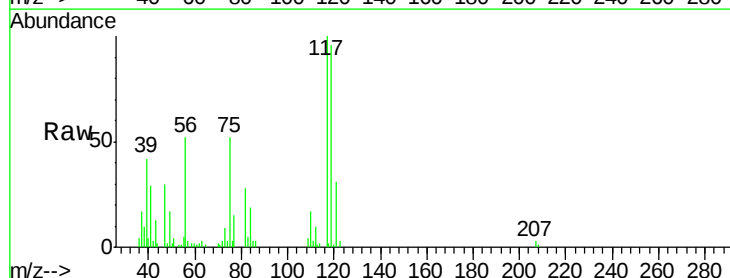
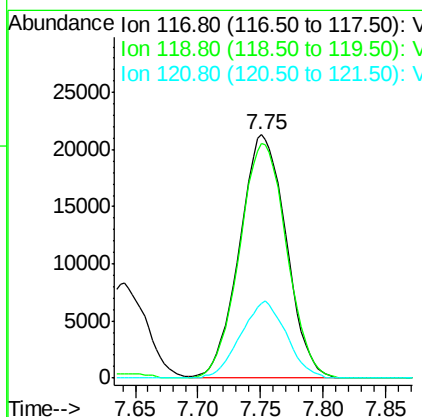
Manual Integrations
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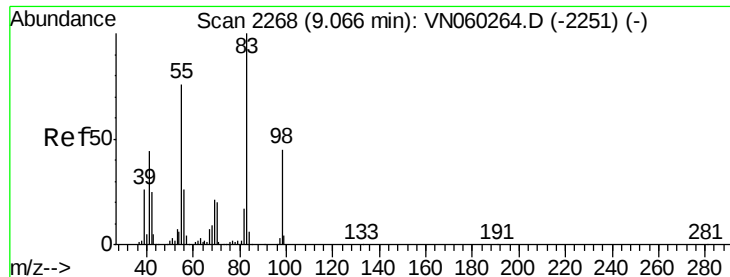
MMDadoda
3/4/2020 10:44:01 AM



#38
Carbon Tetrachloride
Concen: 17.742 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
121	30.7	24.5	36.7





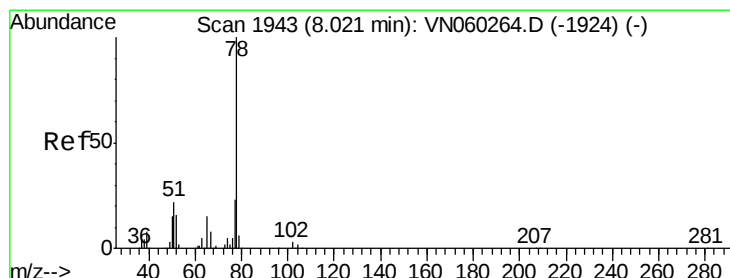
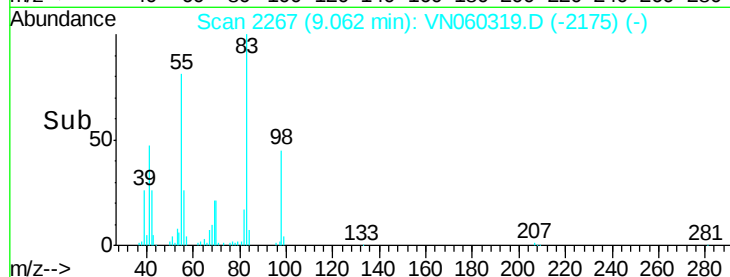
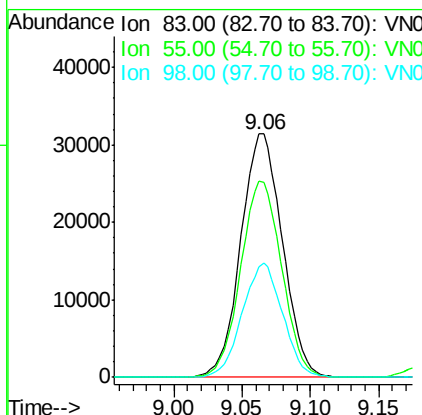
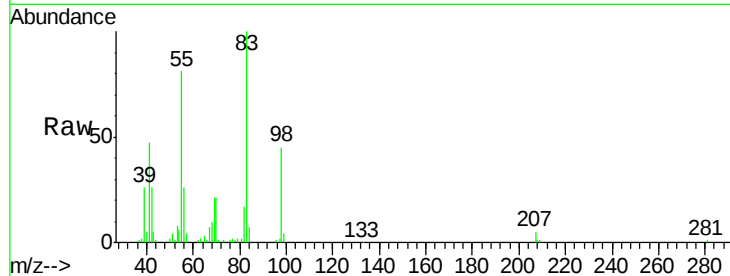
#39
Methvlcvclohexane
Concen: 17.773 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	61.0	91.4
98	45.2	36.1	54.1

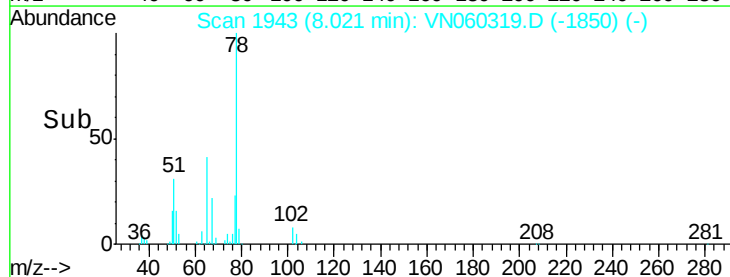
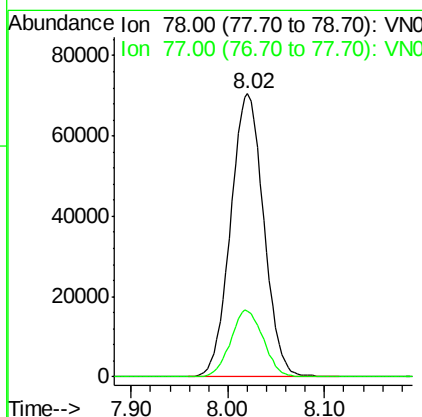
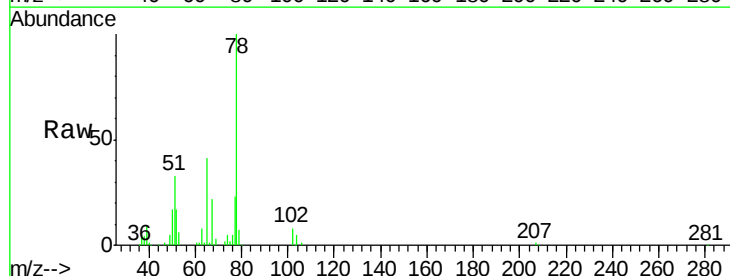
Manual Integrations
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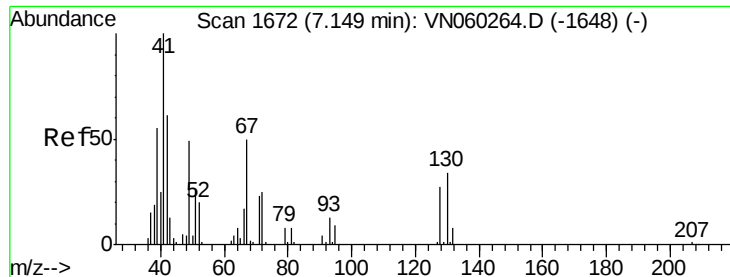
MMDadoda
3/4/2020 10:44:01 AM



#40
Benzene
Concen: 18.144 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





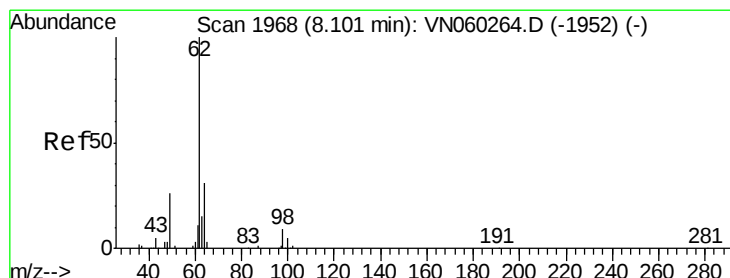
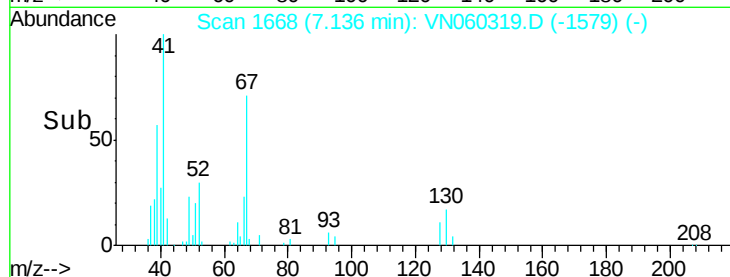
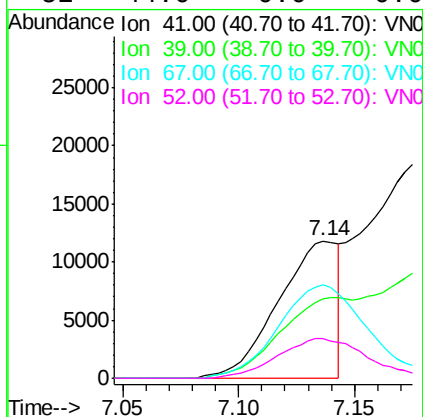
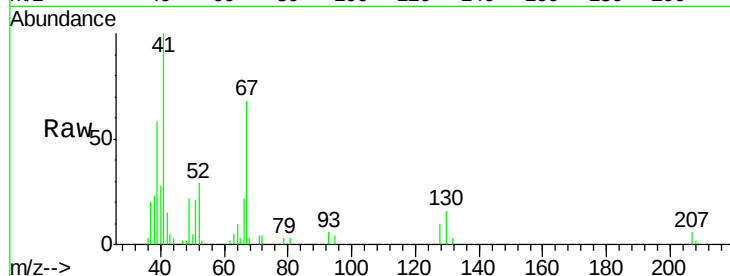
#41
Methacrylonitrile
Concen: 15.265 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	41	Resp	21205
Ion Ratio	Lower	Upper	
41	100		
39	70.1	0.0	0.0#
67	102.3	0.0	0.0#
52	44.0	0.0	0.0#

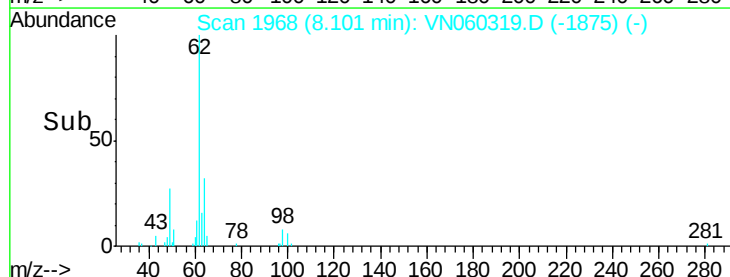
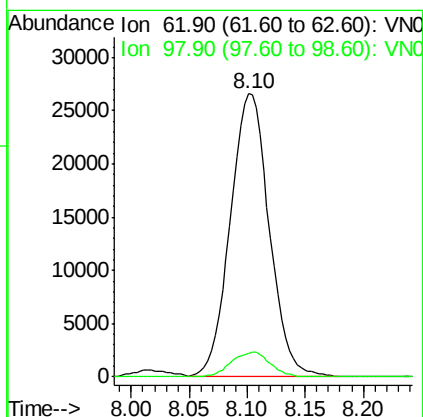
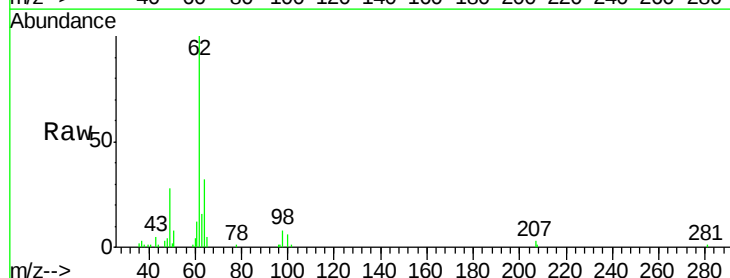
Manual Integrations
APPROVED

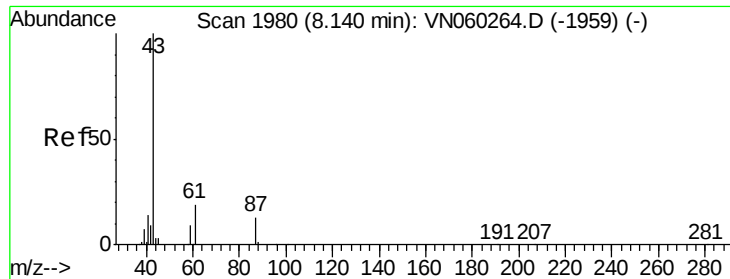
MMDadoda
3/4/2020 10:44:01 AM



#42
1,2-Dichloroethane
Concen: 18.594 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	62	Resp	62050
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	17.0





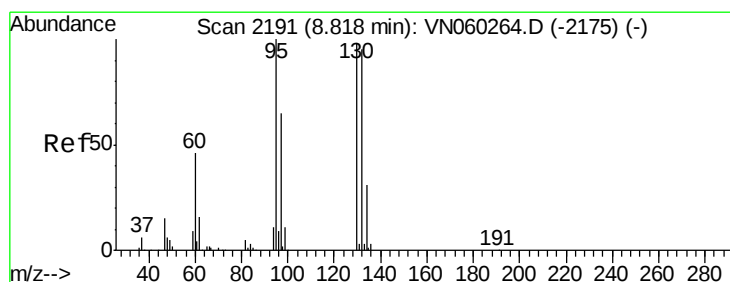
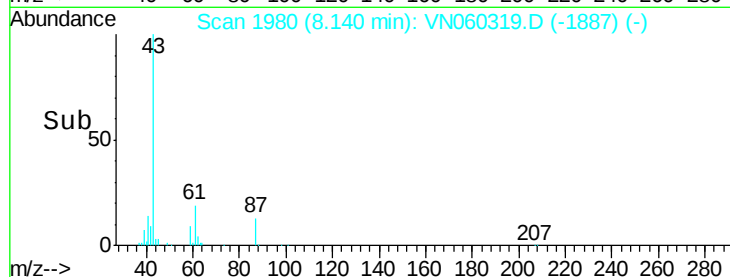
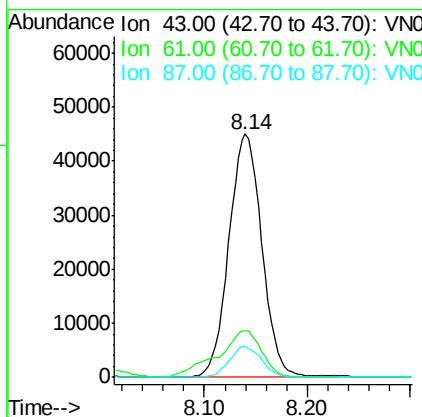
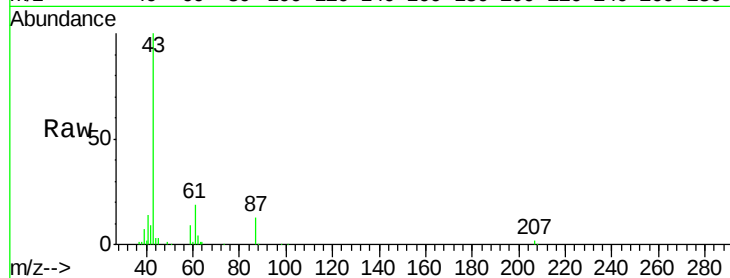
#43
Isopropyl Acetate
Concen: 19.073 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.9	31.3
87	12.4	10.6	16.0

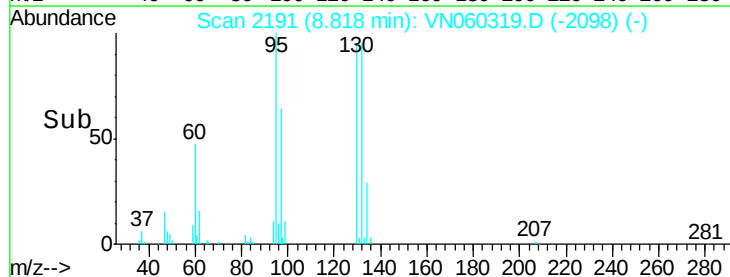
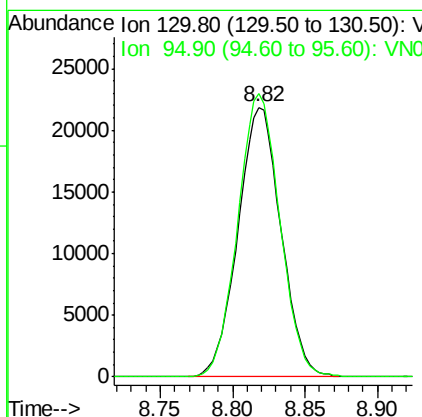
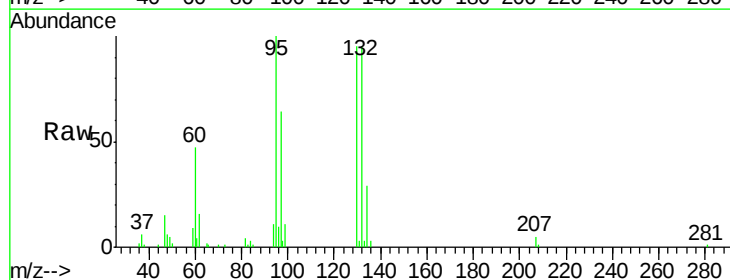
Manual Integrations
APPROVED

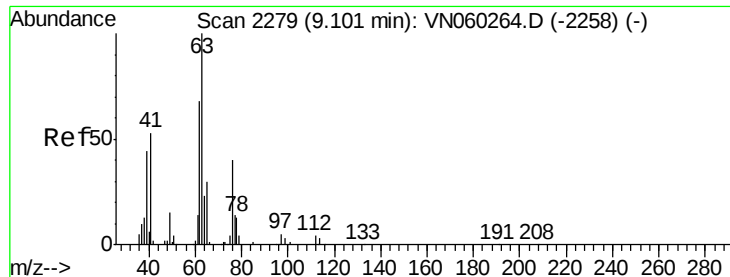
MMDadoda
3/4/2020 10:44:01 AM



#44
Trichloroethene
Concen: 17.501 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	203.4





#45

1,2-Dichloropropane

Concen: 19.049 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion: 63 Resp: 46057

Ion Ratio Lower Upper

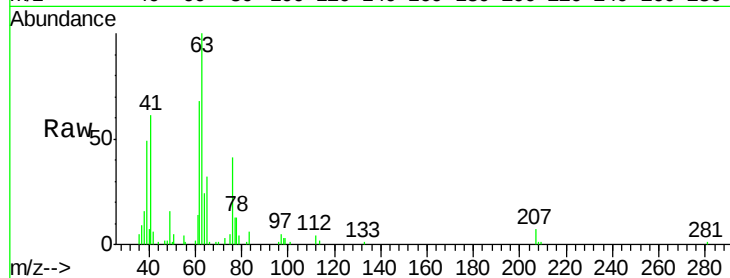
63 100

65 31.5 24.4 36.6

Manual Integrations
APPROVED

MMDadoda

3/4/2020 10:44:01 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

25000

20000

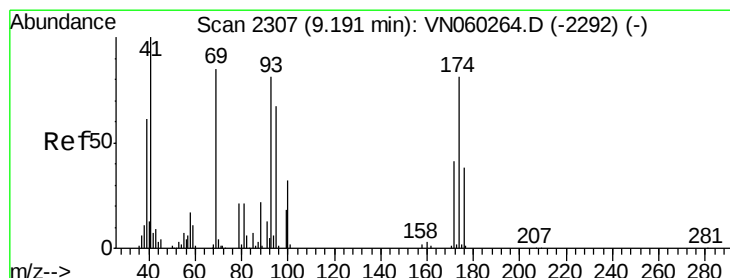
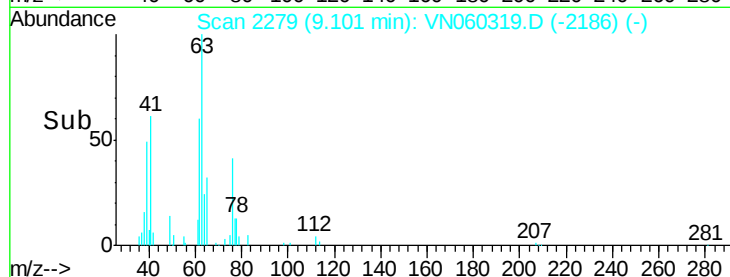
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 17.933 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

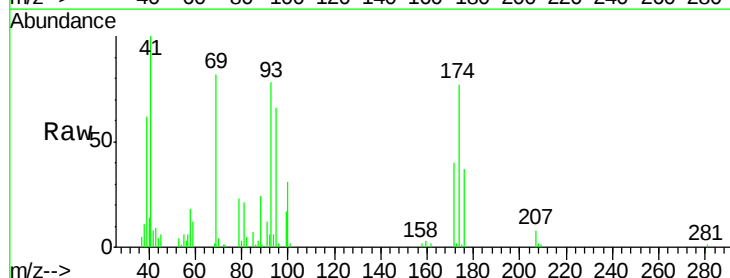
Tgt Ion: 93 Resp: 28134

Ion Ratio Lower Upper

93 100

95 85.7 65.9 98.9

174 99.4 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

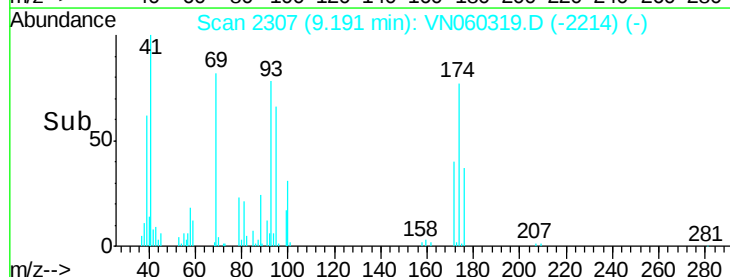
15000

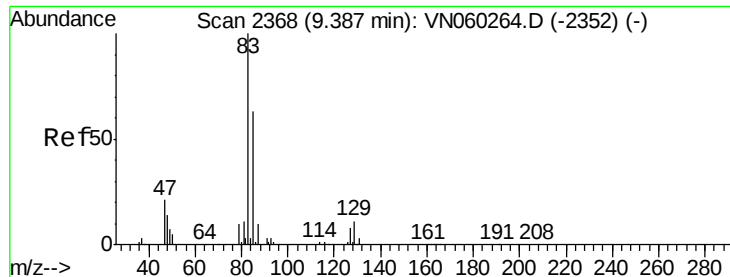
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 18.612 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

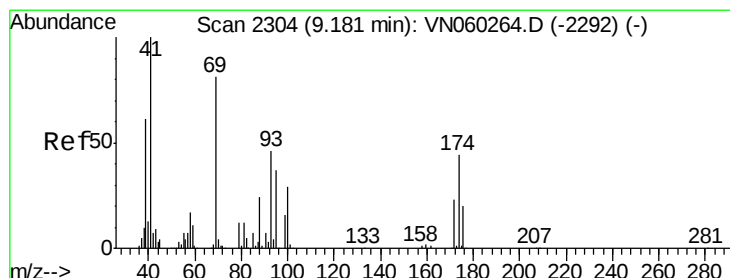
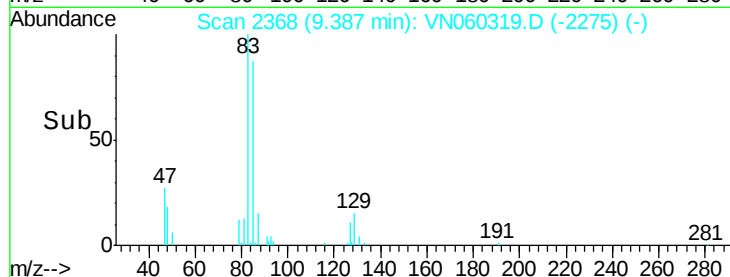
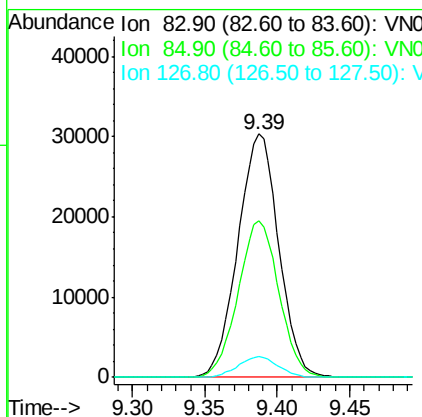
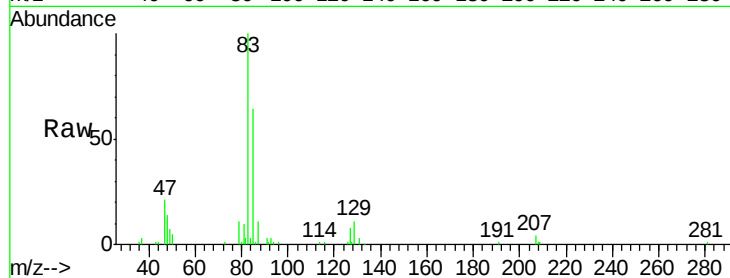
ClientSampled :

VN0303WBS01

Tot Ion:	83	Resp:	59387
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.7	76.1
127	8.4	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:44:01 AM



#48

Methyl methacrylate

Concen: 17.841 ug/l

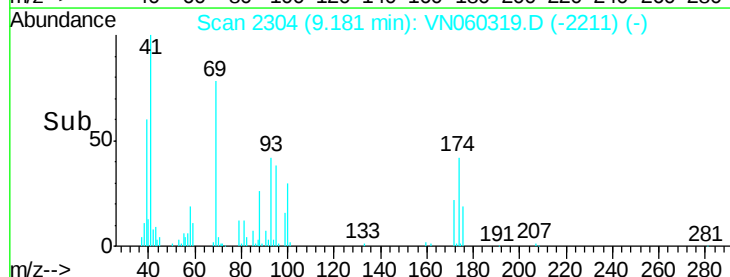
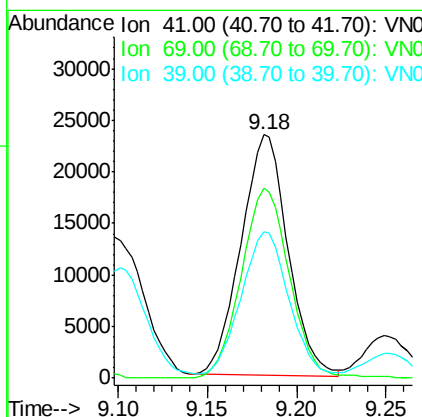
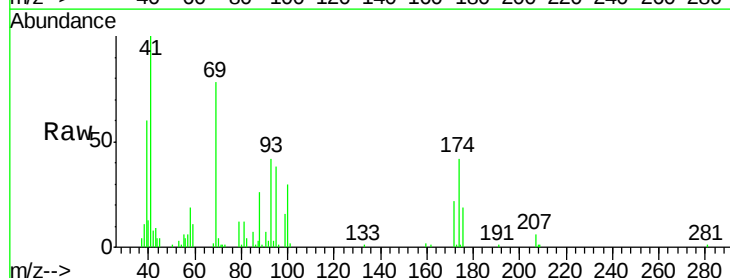
RT: 9.18 min Scan# 2304

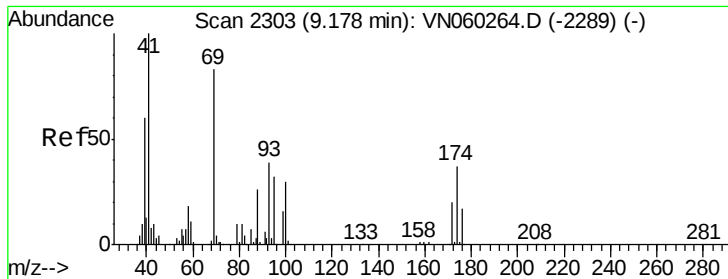
Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	41	Resp:	42851
Ion	Ratio	Lower	Upper
41	100		
69	81.1	66.7	100.1
39	60.1	50.1	75.1





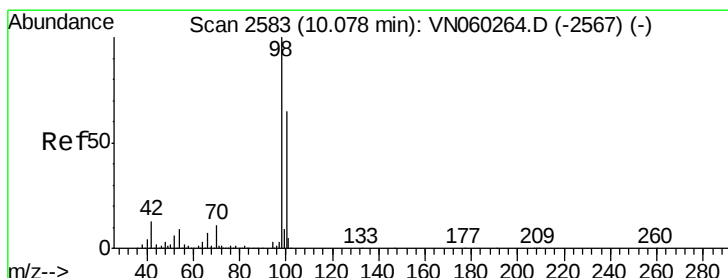
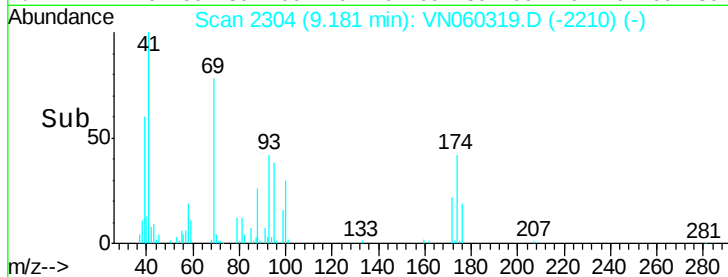
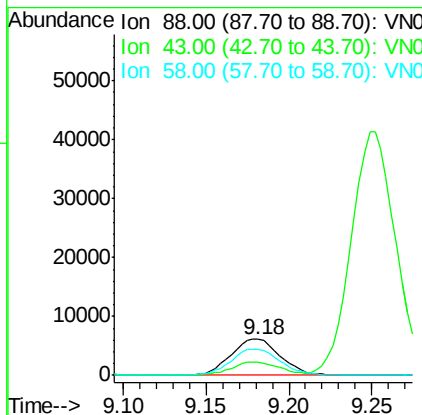
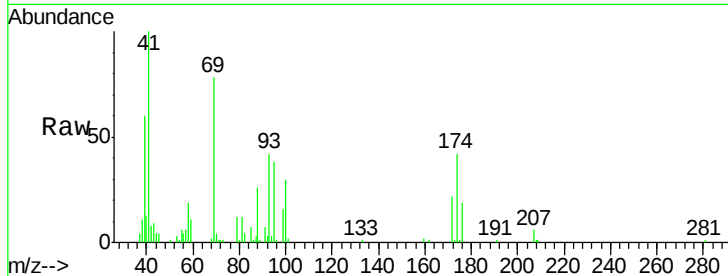
#49
1,4-Dioxane
Concen: 375.037 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	30.4	45.6
58	72.6	57.0	85.6

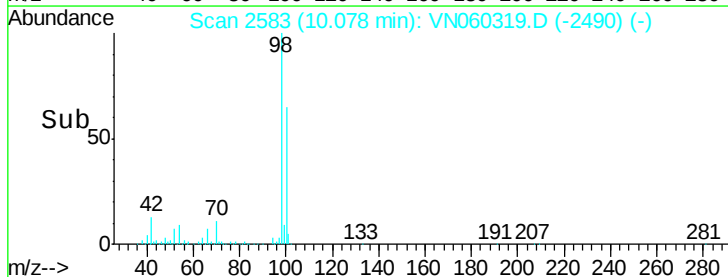
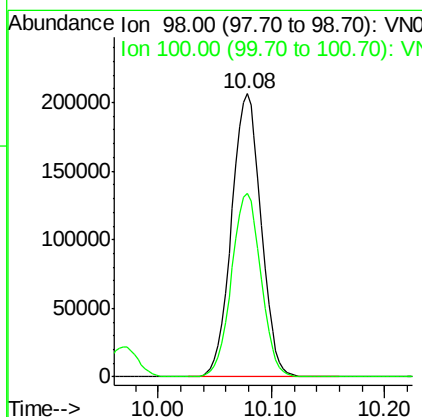
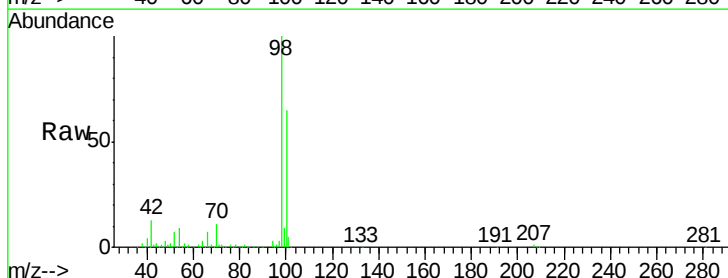
Manual Integrations
APPROVED

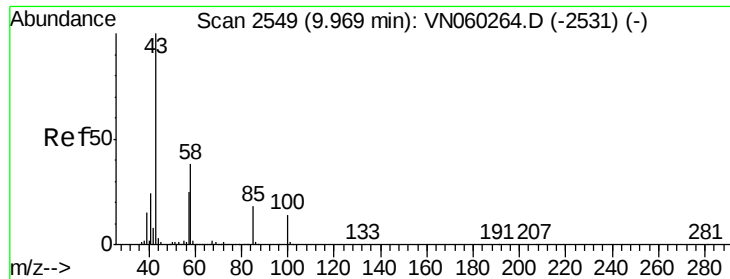
MMDadoda
3/4/2020 10:44:01 AM



#50
Toluene-d8
Concen: 47.896 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 94.228 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0303WBS01

Tot Ion: 43 Resp: 281386

Ion Ratio Lower Upper

43 100

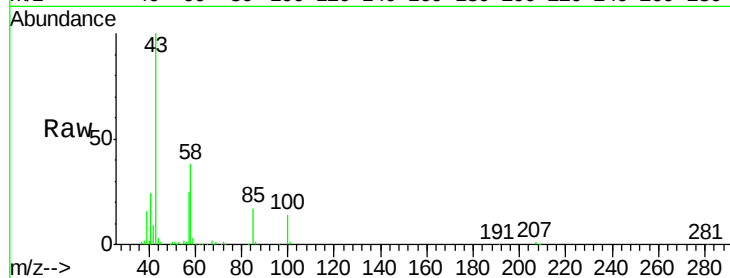
58 38.4 30.9 46.3

Manual Integrations

APPROVED

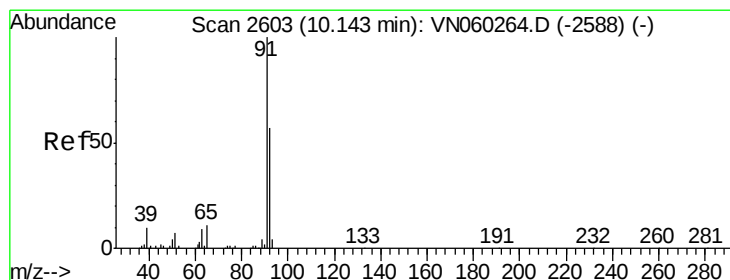
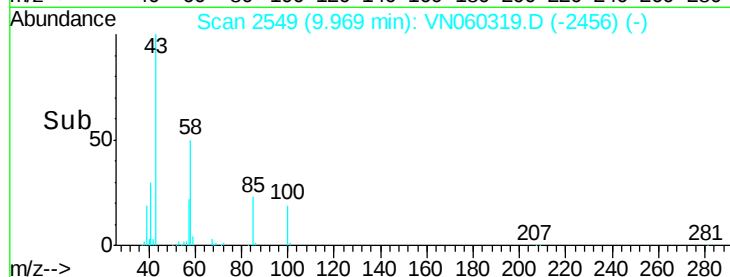
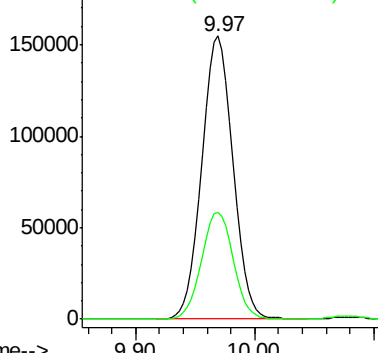
MMDadoda

3/4/2020 10:44:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 17.820 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060319.D

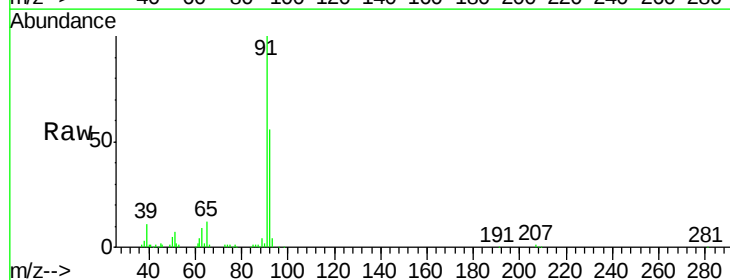
Acq: 3 Mar 2020 11:06

Tgt Ion: 92 Resp: 103516

Ion Ratio Lower Upper

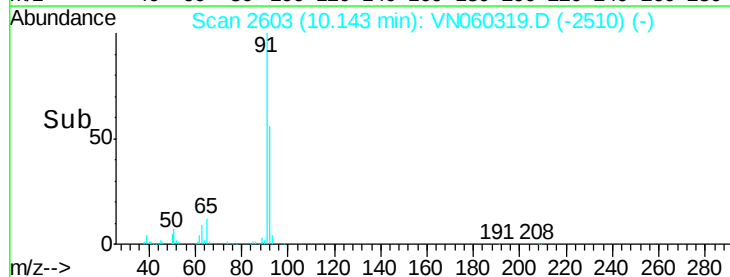
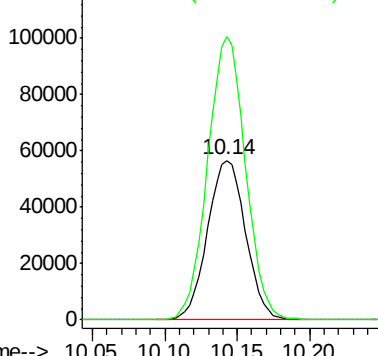
92 100

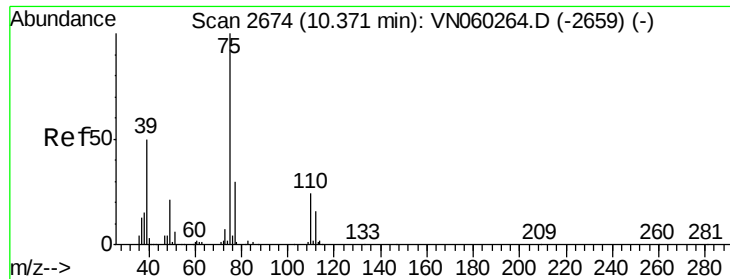
91 176.2 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





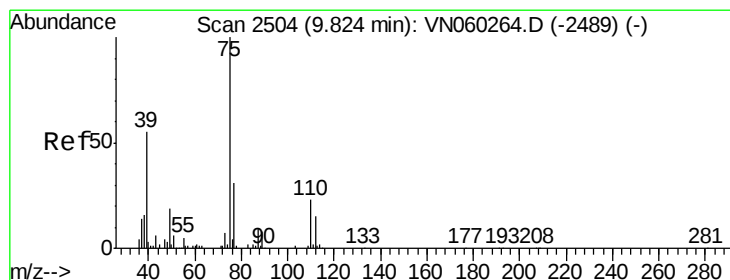
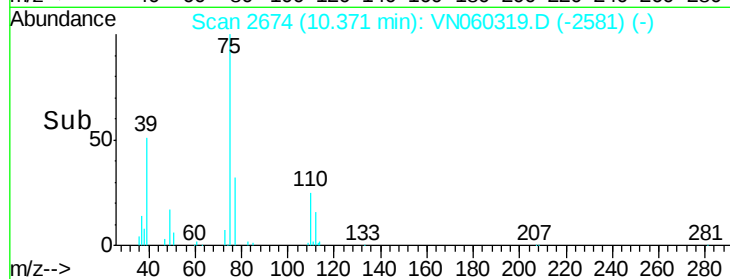
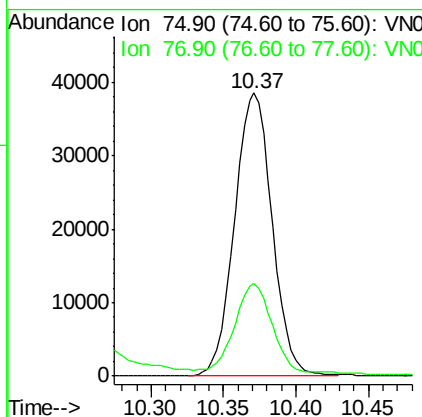
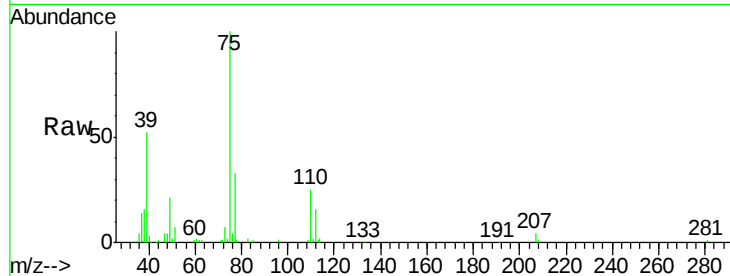
#53
t-1,3-Dichloropropene
Concen: 17.724 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion: 75 Resp: 69296
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2

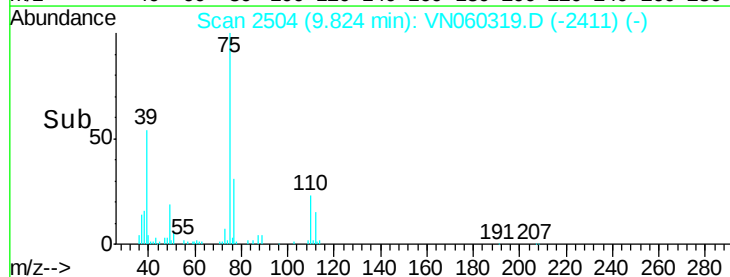
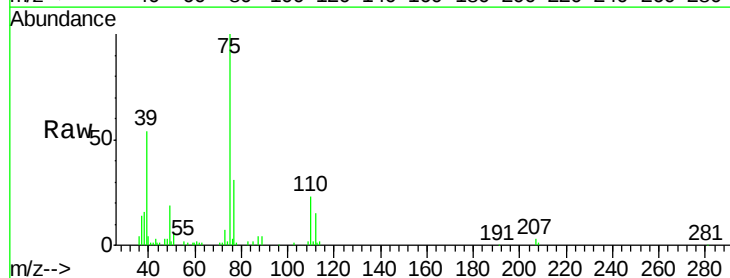
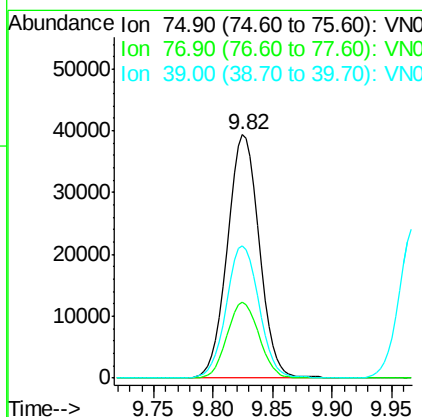
Manual Integrations
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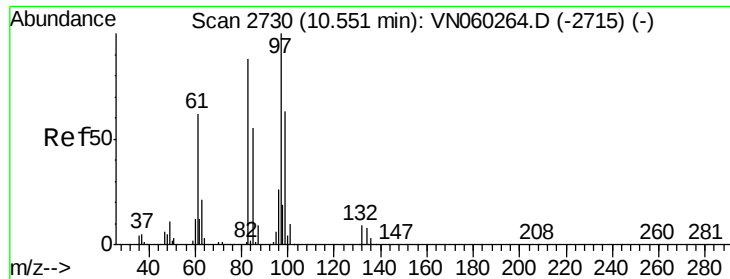
MMDadoda
3/4/2020 10:44:01 AM



#54
cis-1,3-Dichloropropene
Concen: 18.117 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion: 75 Resp: 73399
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 54.3 43.8 65.8





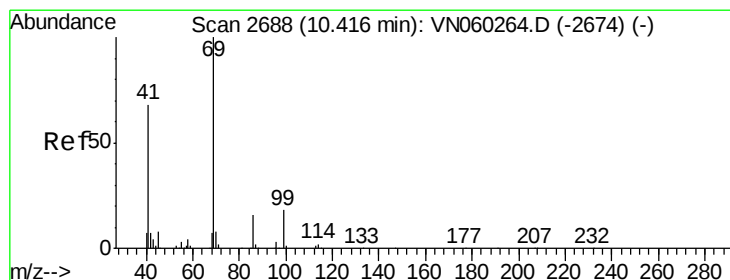
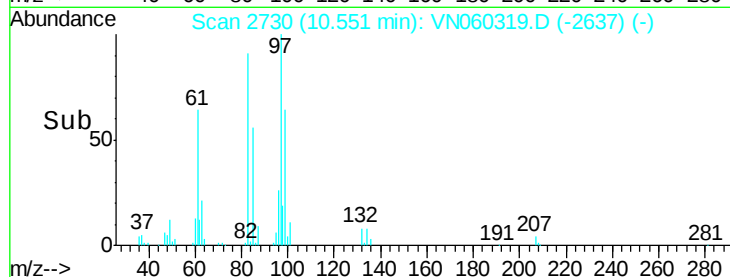
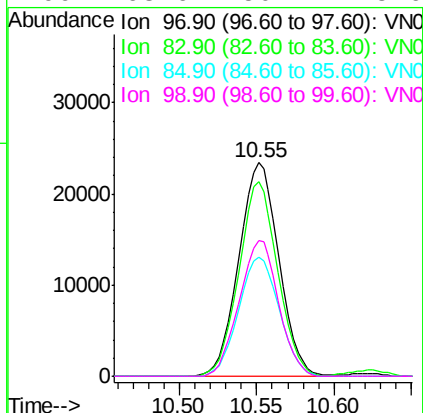
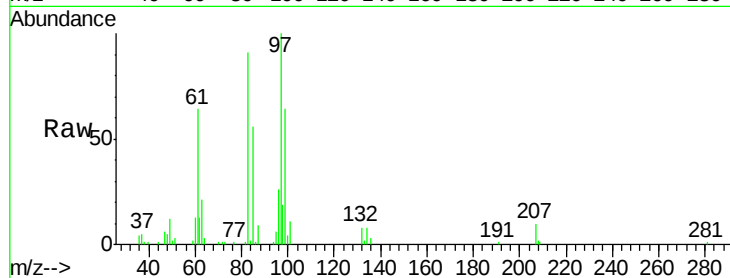
#55
 1,1,2-Trichloroethane
 Concen: 18.032 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.0	105.0
85	56.0	44.0	66.0
99	63.6	50.4	75.6

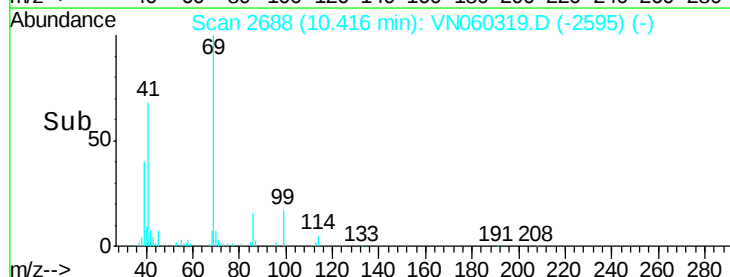
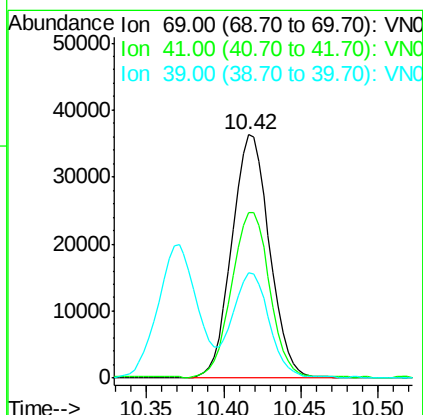
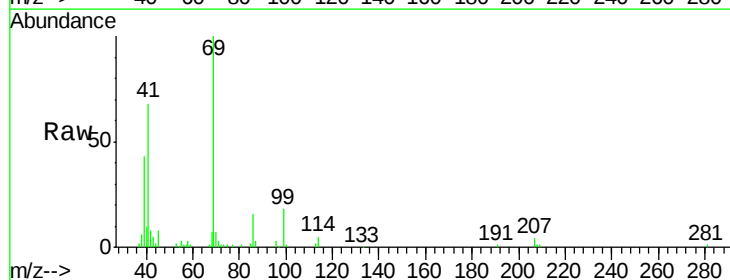
Manual Integrations
 APPROVED

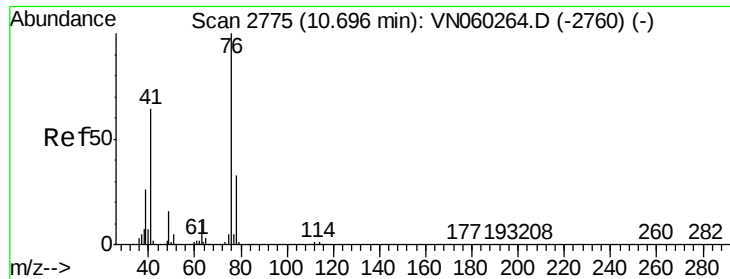
MMDadoda
 3/4/2020 10:44:01 AM



#56
 Ethyl methacrylate
 Concen: 18.264 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	42.1	32.5	48.7





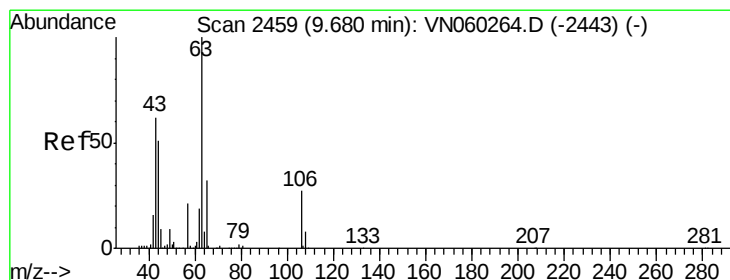
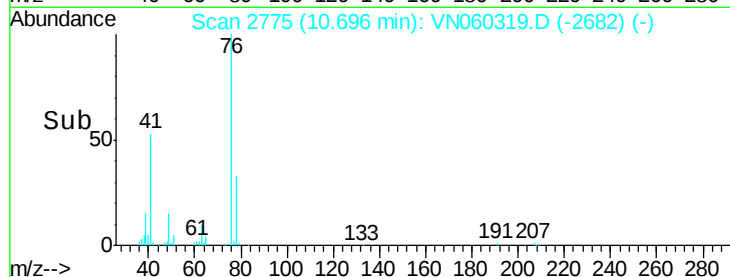
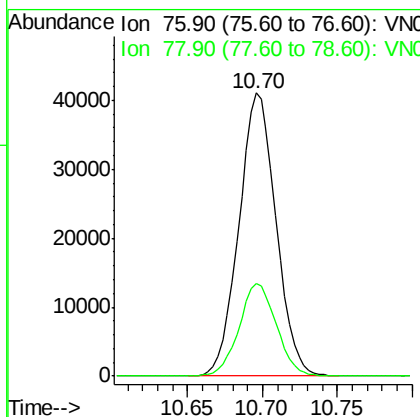
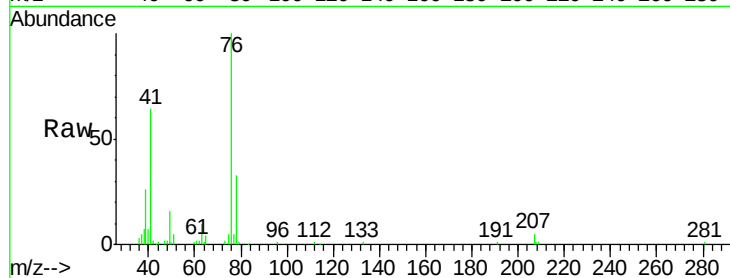
#57
 1,3-Dichloropropane
 Concen: 18.623 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Tot Ion: 76 Resp: 70946
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.2

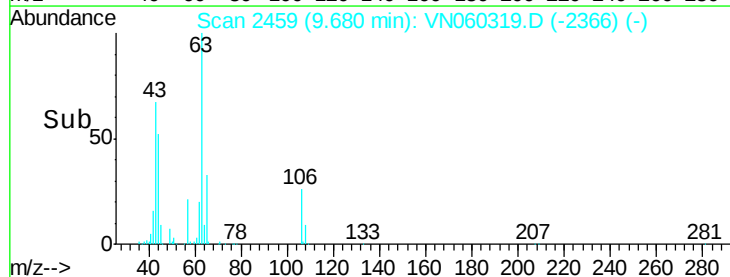
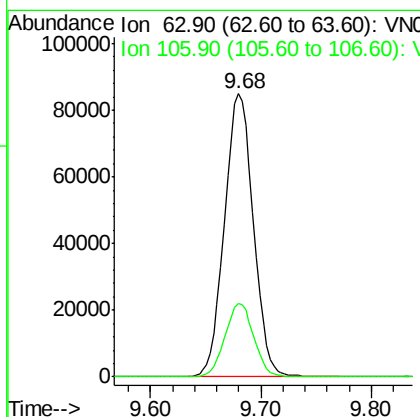
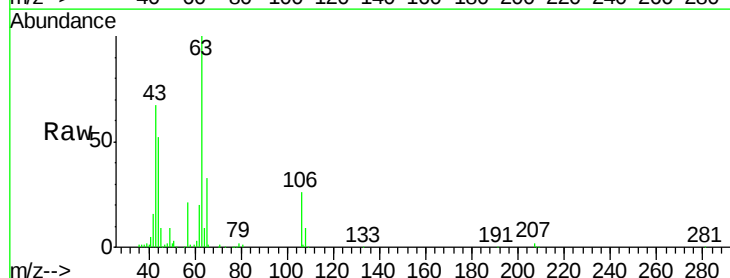
Manual Integrations
 APPROVED

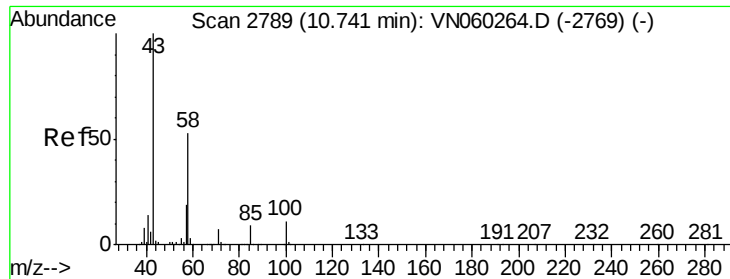
MMDadoda
 3/4/2020 10:44:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 87.955 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion: 63 Resp: 154385
 Ion Ratio Lower Upper
 63 100
 106 25.7 21.1 31.7





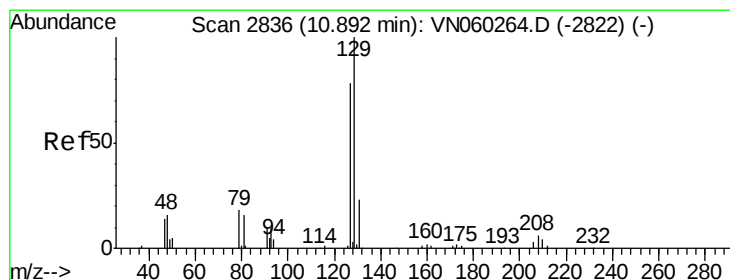
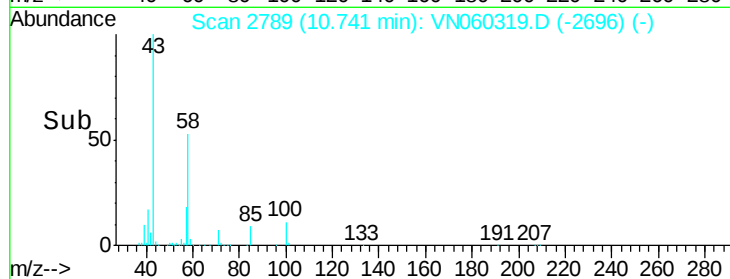
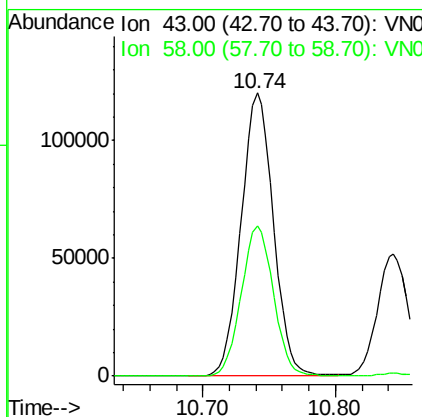
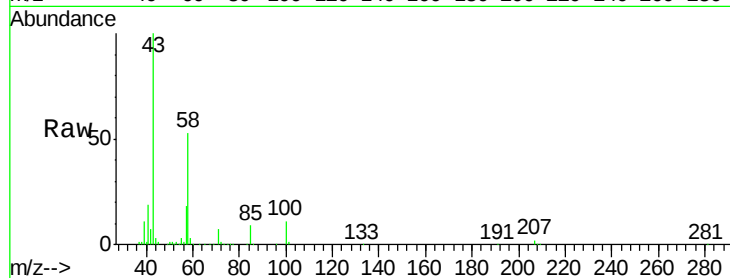
#59
2-Hexanone
Concen: 92.881 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

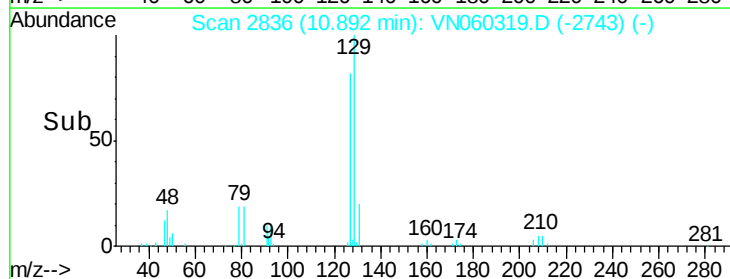
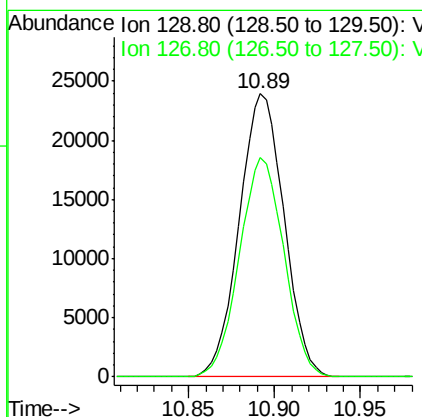
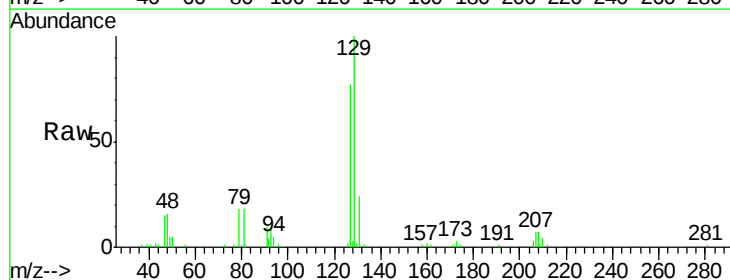
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#60
Dibromochloromethane
Concen: 18.247 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





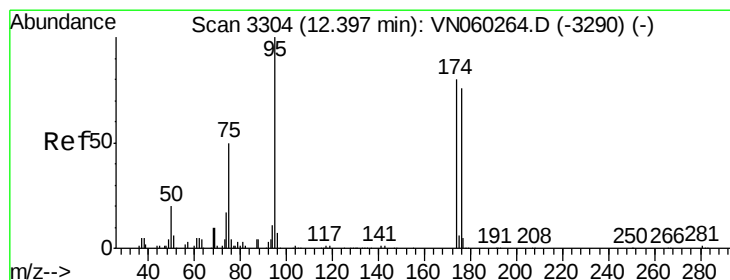
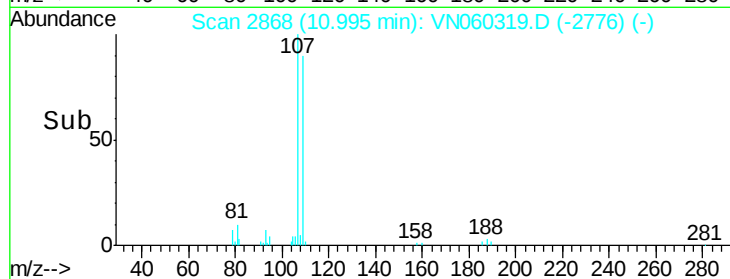
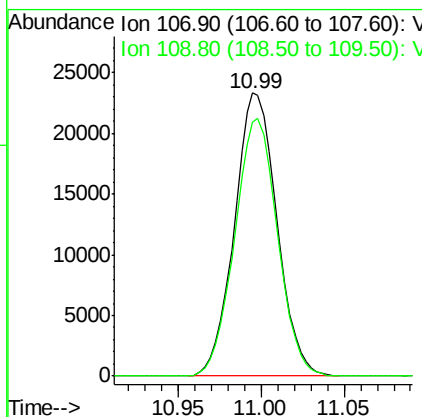
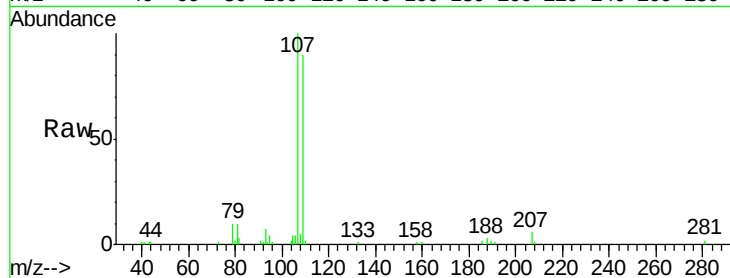
#61
 1,2-Dibromoethane
 Concen: 18.238 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303WBS01

Tot Ion: 107 Resp: 41533
 Ion Ratio Lower Upper
 107 100
 109 91.7 76.8 115.2

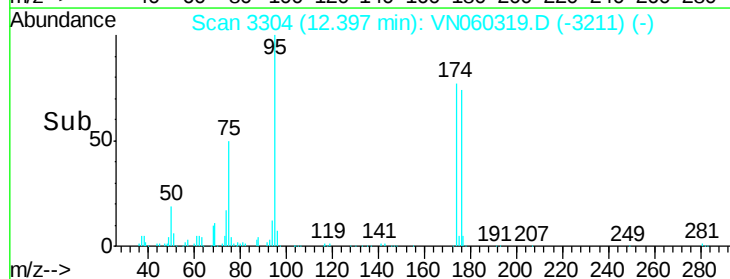
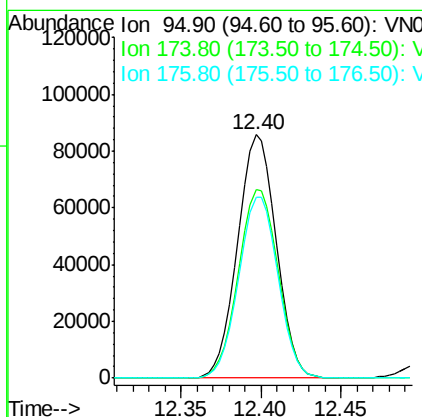
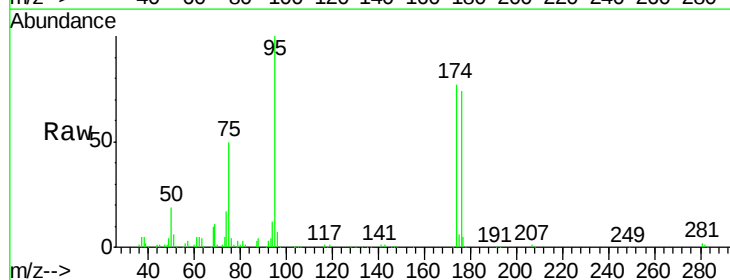
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 47.551 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion: 95 Resp: 141172
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 159.2
 176 75.7 0.0 153.8





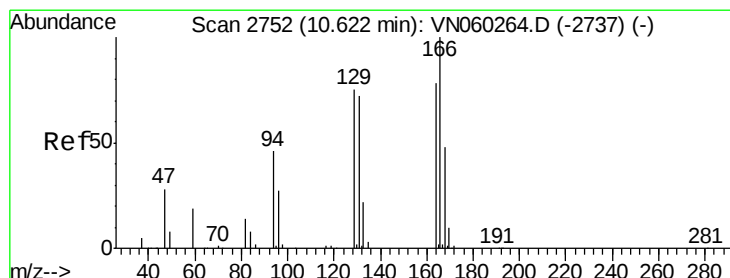
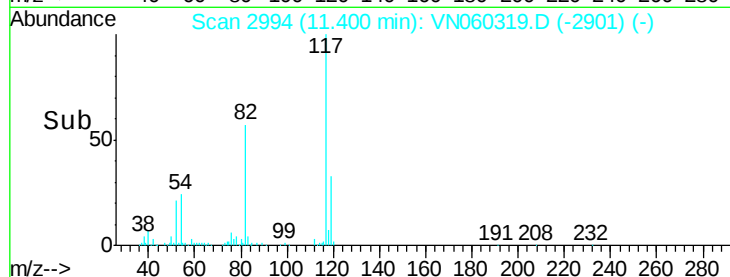
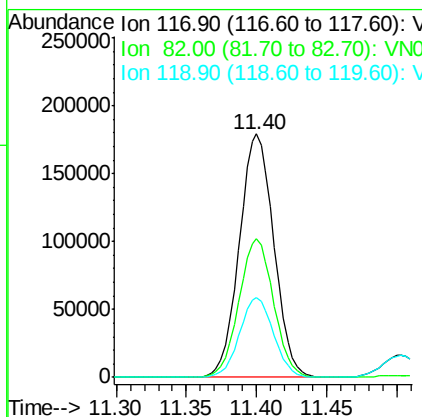
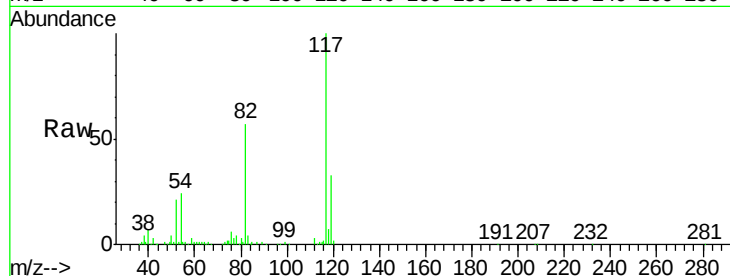
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	307173		
82	56.8		45.8	68.6
119	32.7		25.8	38.8

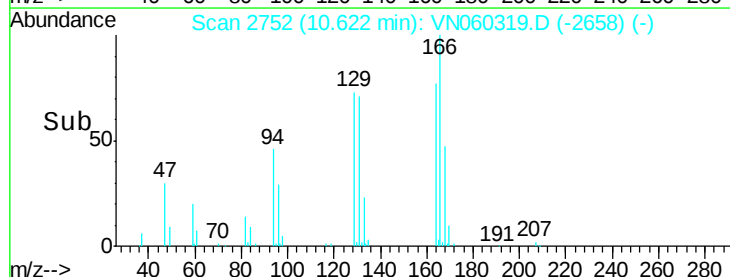
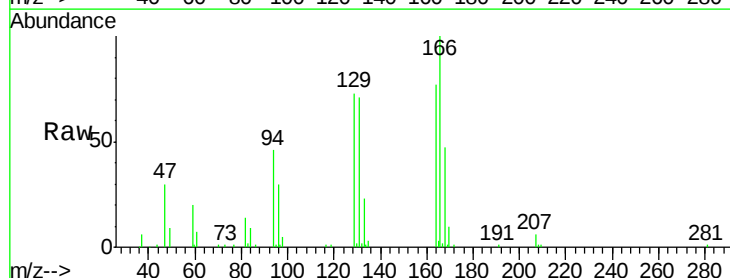
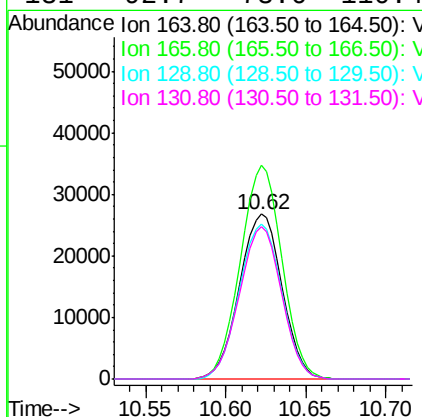
Manual Integrations
APPROVED

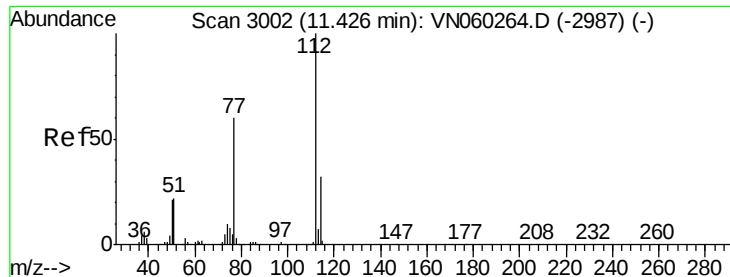
MMDadoda
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#64
Tetrachloroethene
Concen: 19.239 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48635		
166	129.7		102.0	153.0
129	94.2		76.4	114.6
131	92.7		73.6	110.4





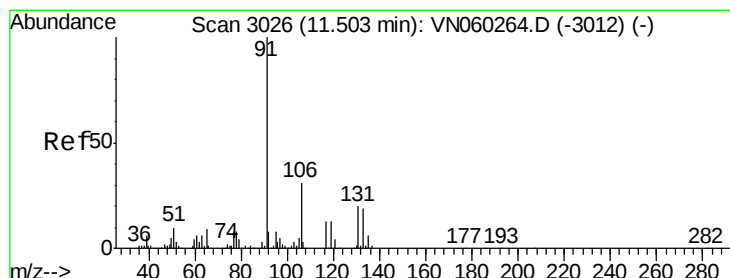
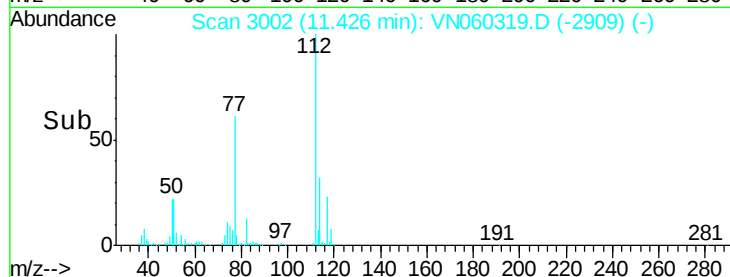
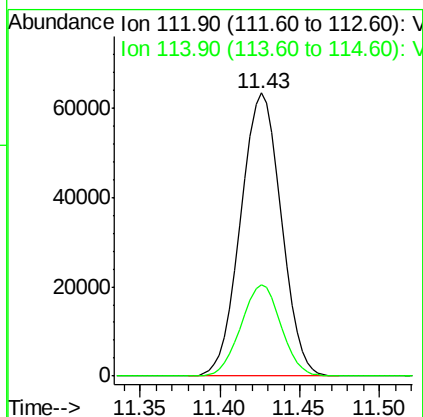
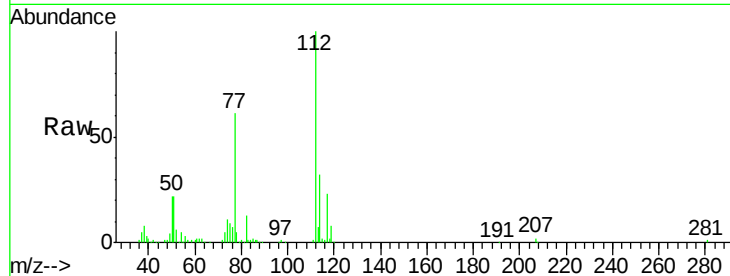
#65
Chlorobenzene
Concen: 17.677 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.0

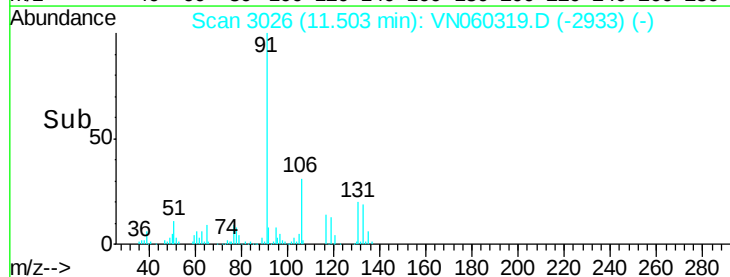
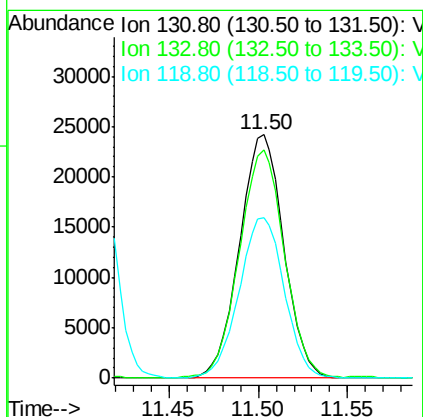
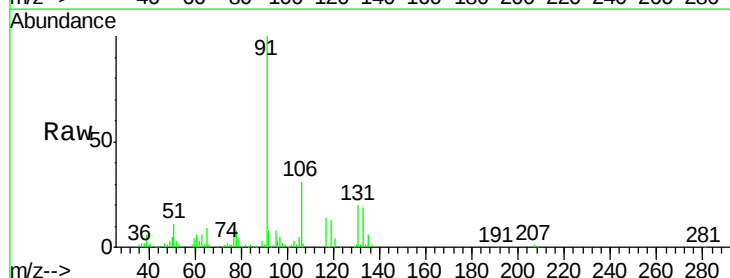
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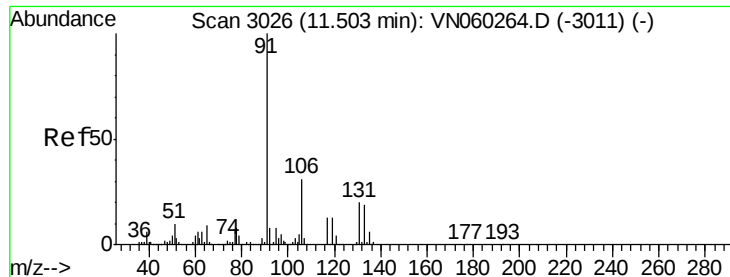
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.190 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.7	143.1
119	67.5	33.2	99.6





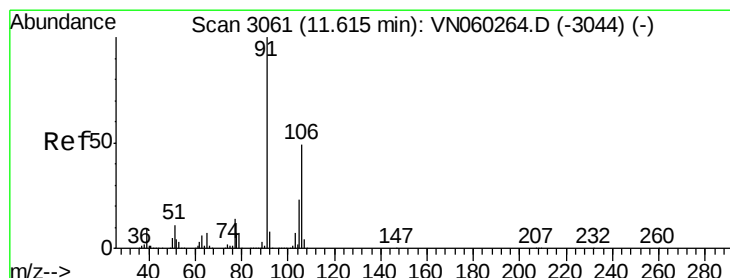
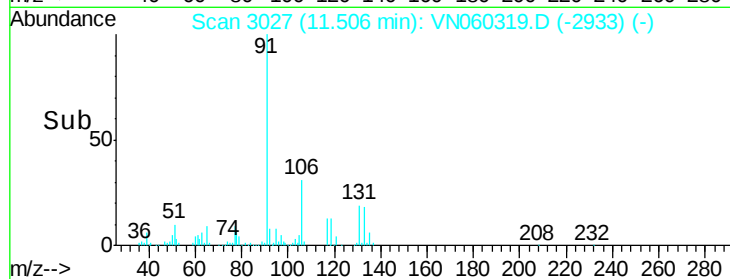
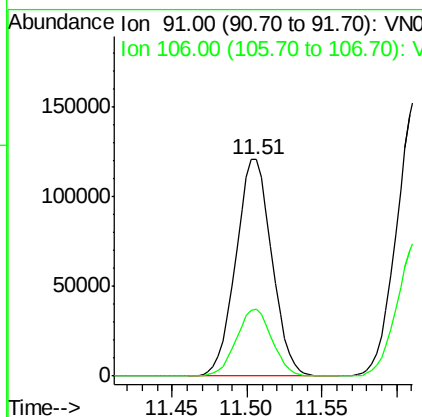
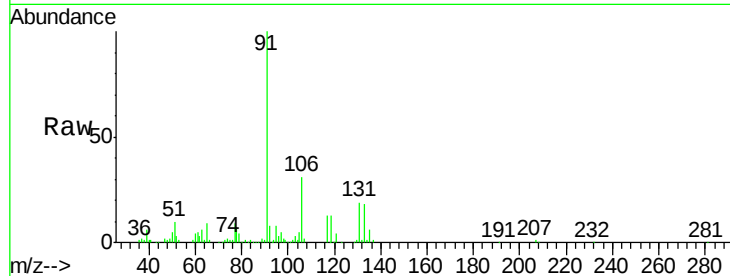
#67
Ethyl Benzene
Concen: 17.940 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion: 91 Resp: 202643
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

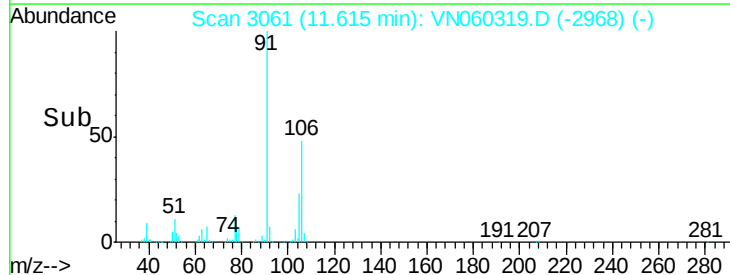
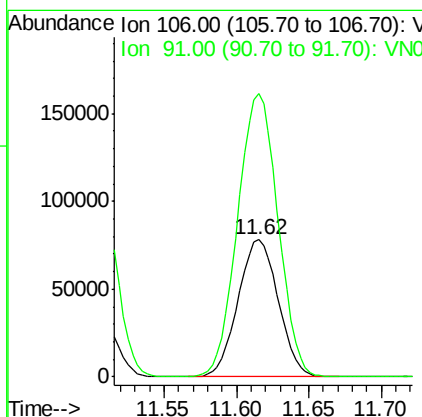
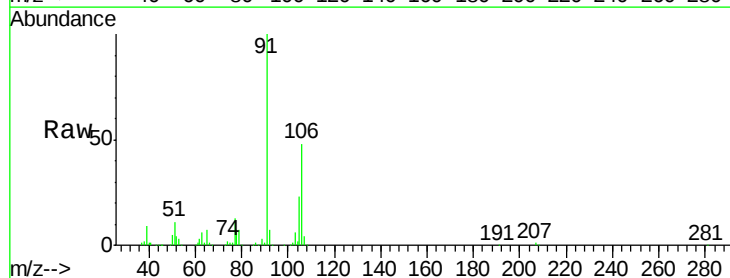
Manual Integrations
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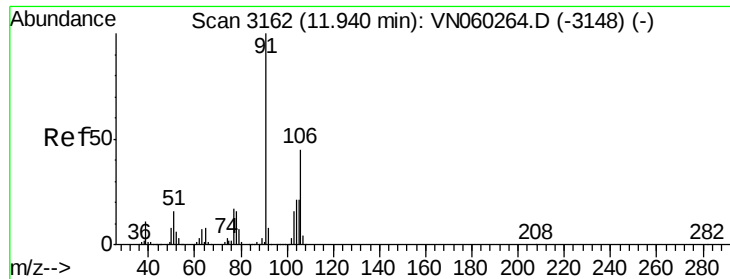
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#68
m/p-Xylenes
Concen: 35.404 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion: 106 Resp: 150879
Ion Ratio Lower Upper
106 100
91 207.2 164.5 246.7





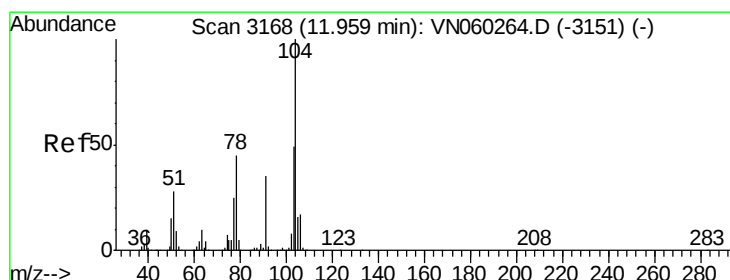
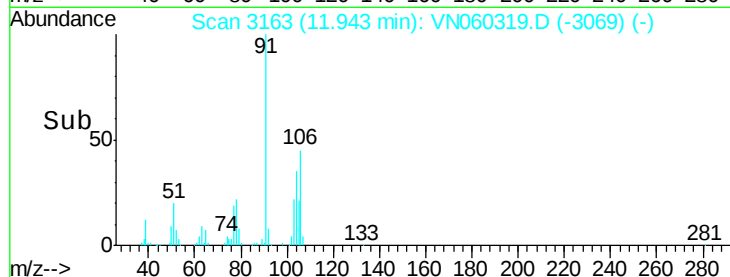
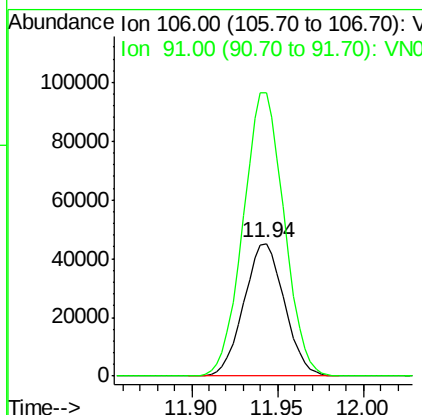
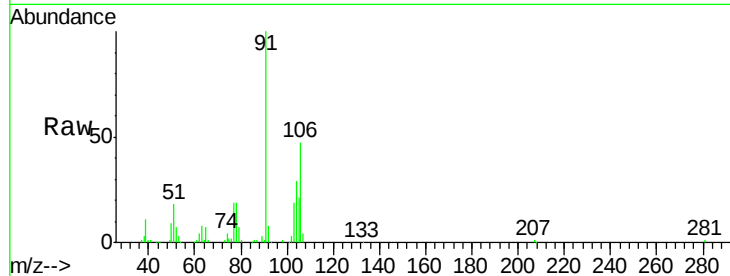
#69
o-Xylene
Concen: 18.202 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion:106 Resp: 73970
Ion Ratio Lower Upper
106 100
91 215.2 109.5 328.4

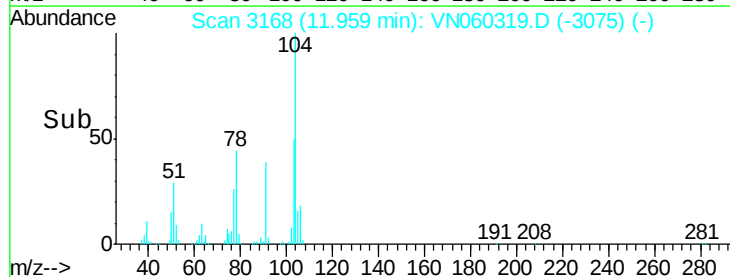
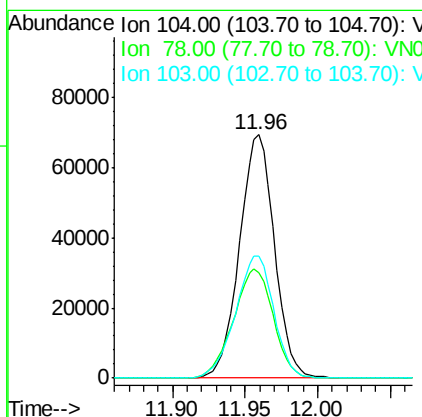
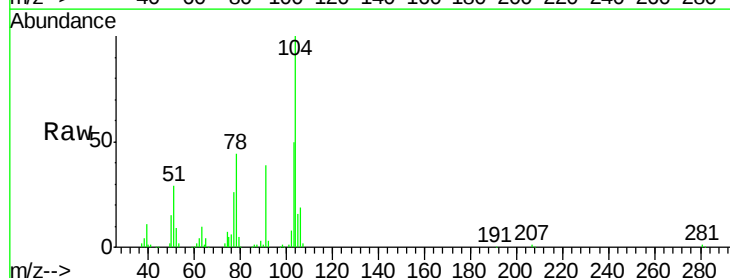
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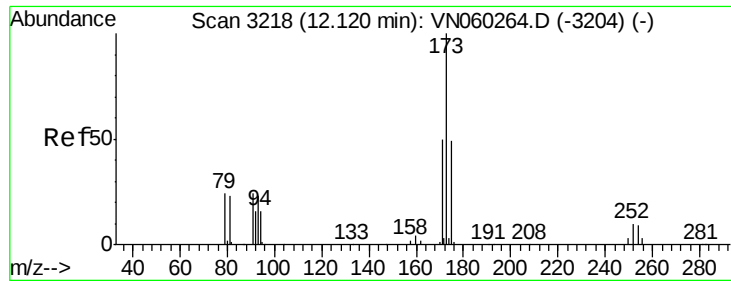
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#70
Styrene
Concen: 17.483 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion:104 Resp: 116813
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 18.155 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion:173 Resp: 30008

Ion Ratio Lower Upper

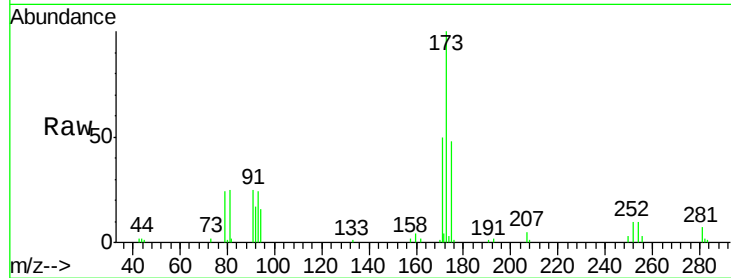
173 100

175 48.6 24.1 72.2

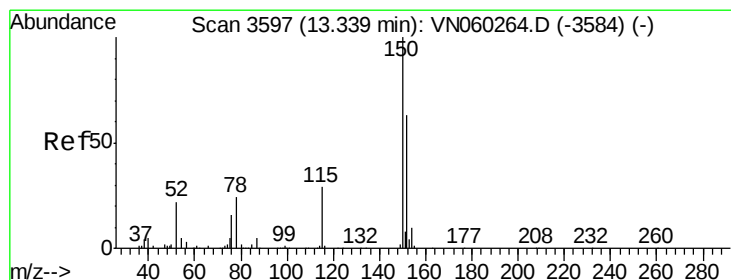
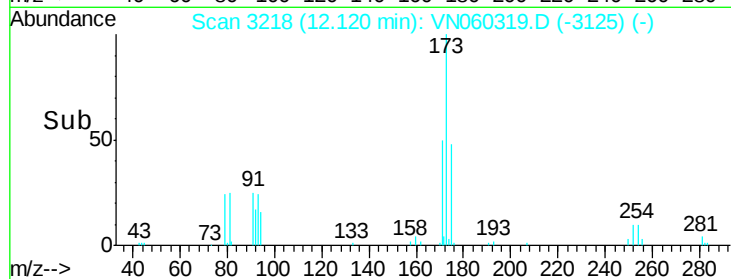
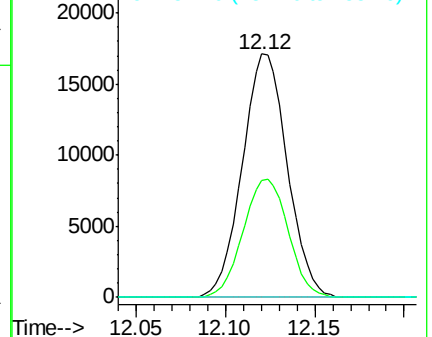
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

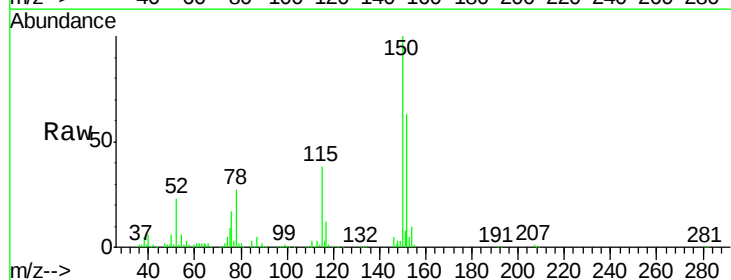
Tgt Ion:152 Resp: 147124

Ion Ratio Lower Upper

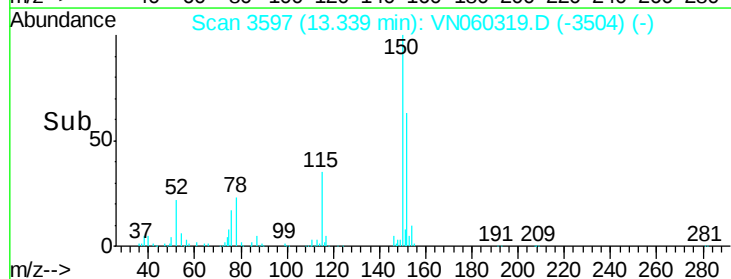
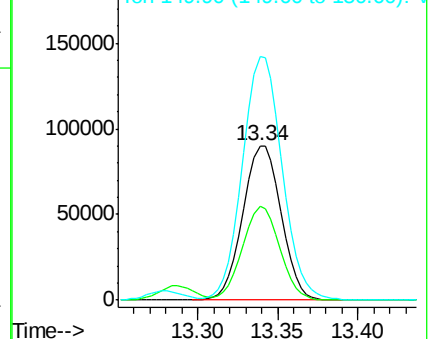
152 100

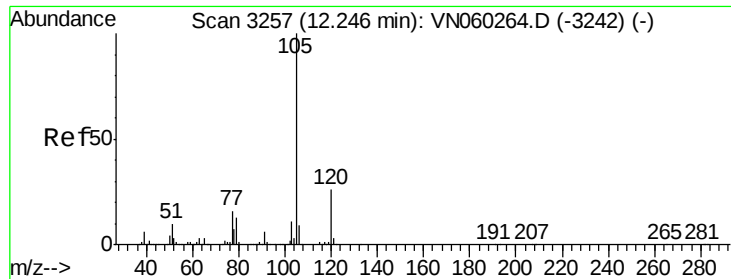
115 59.4 30.0 90.0

150 163.6 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: 18.194 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampled :

VN0303WBS01

Tot Ion: 105 Resp: 198400

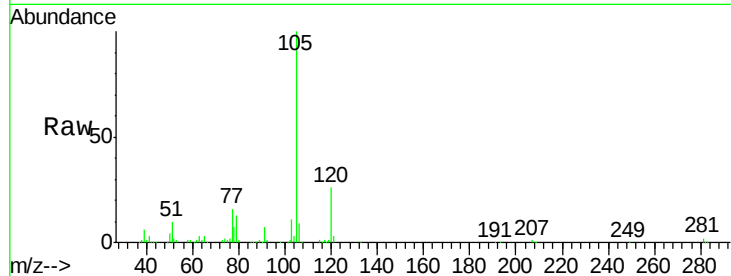
Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

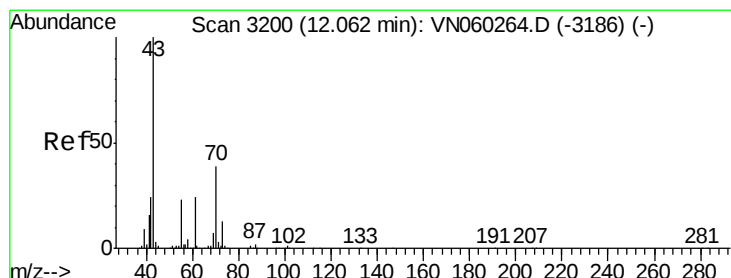
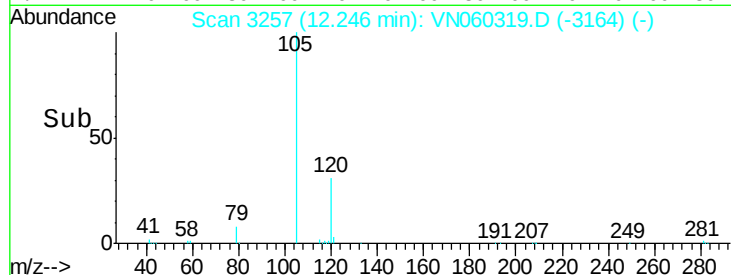
12.25

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.746 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion: 43 Resp: 84562

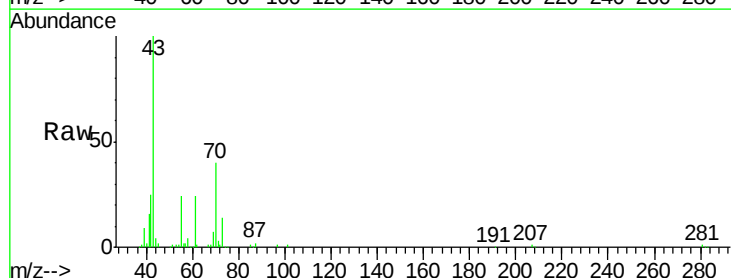
Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.2

55 22.9 18.2 27.4

61 23.3 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

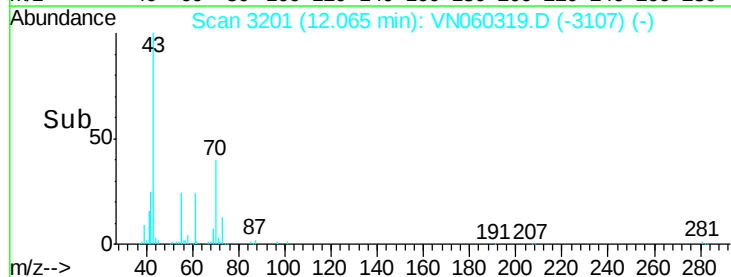
60000

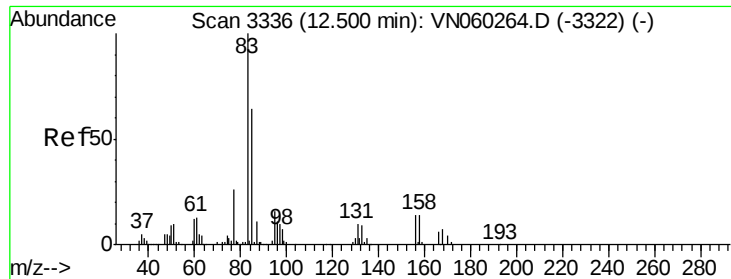
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.622 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

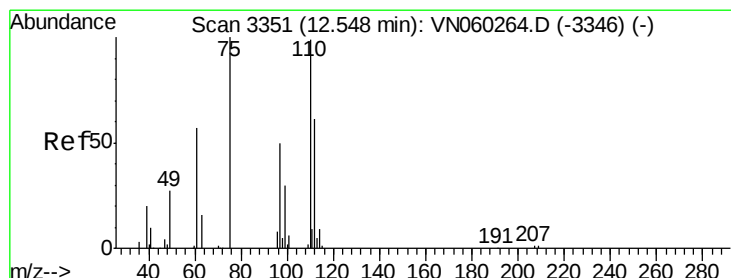
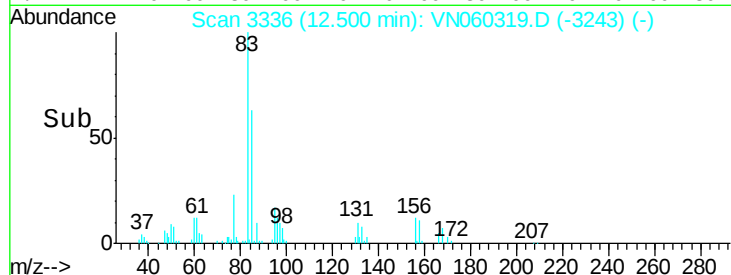
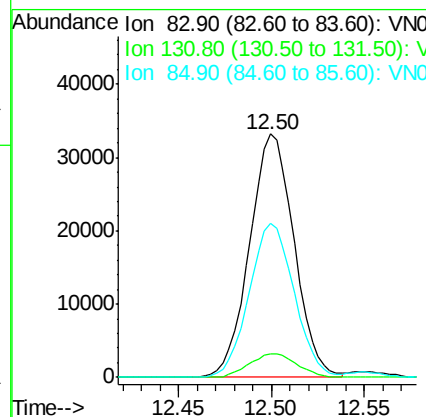
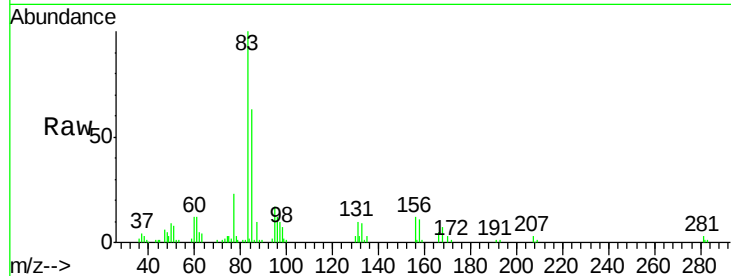
ClientSampled :

VN0303WBS01

Tot Ion:	83	Resp:	55198
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.955 ug/l m

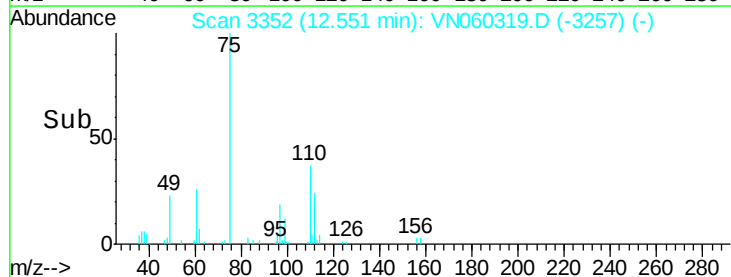
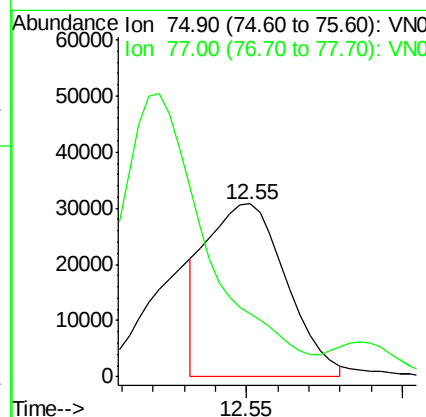
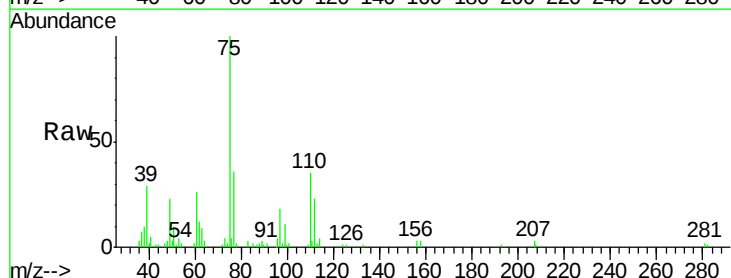
RT: 12.55 min Scan# 3352

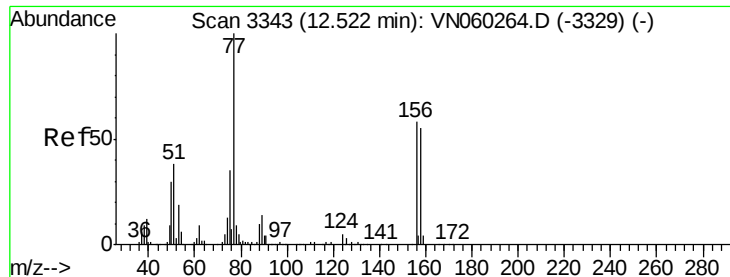
Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion:	75	Resp:	54730
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.677 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN0303WBS01

Tot Ion:156 Resp: 47251

Ion Ratio Lower Upper

156 100

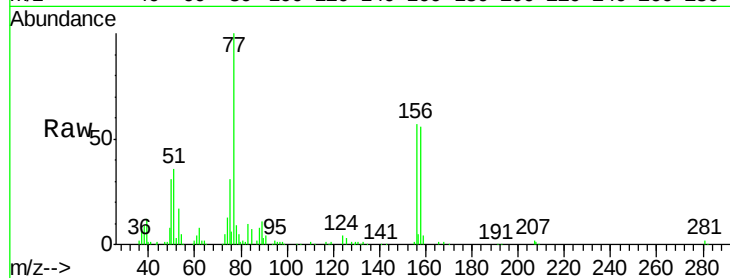
77 212.9 106.1 318.3

158 96.7 48.3 144.8

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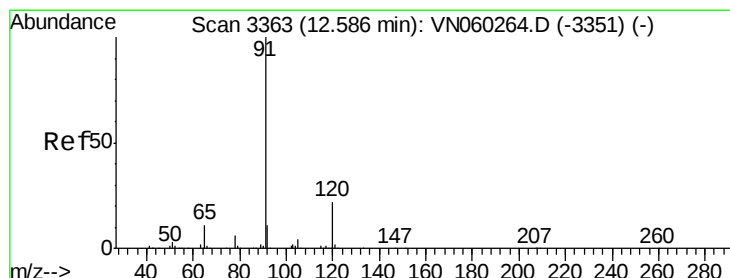
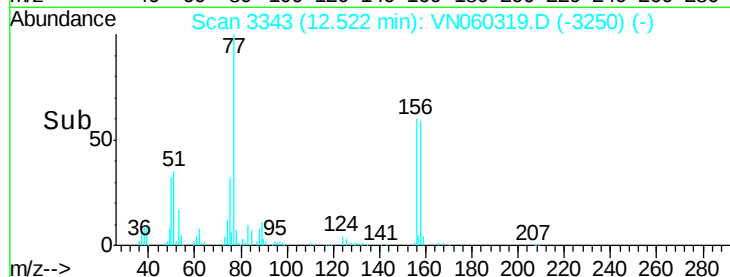
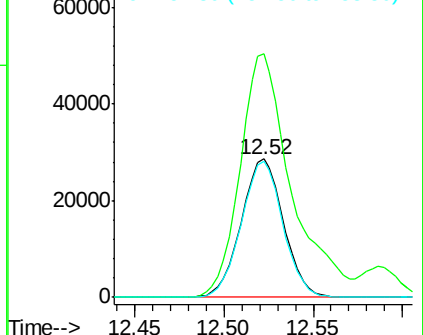
3/4/2020 10:44:01 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.079 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060319.D

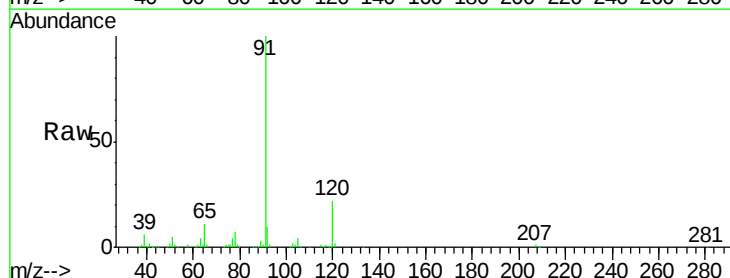
Acq: 3 Mar 2020 11:06

Tgt Ion: 91 Resp: 231085

Ion Ratio Lower Upper

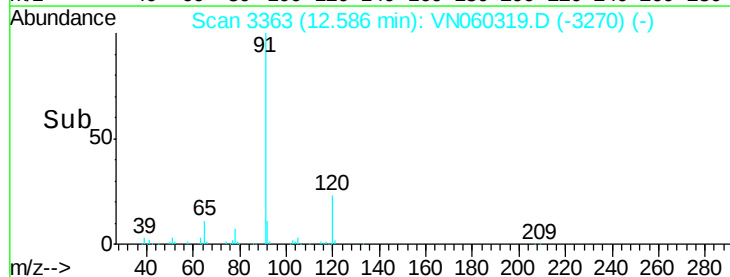
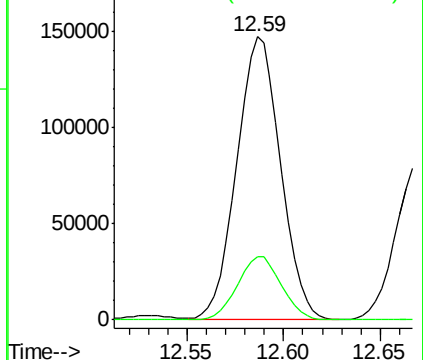
91 100

120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





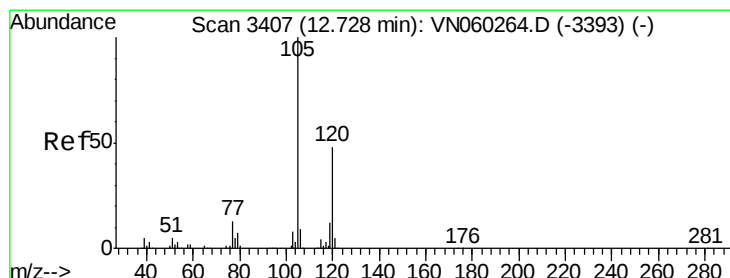
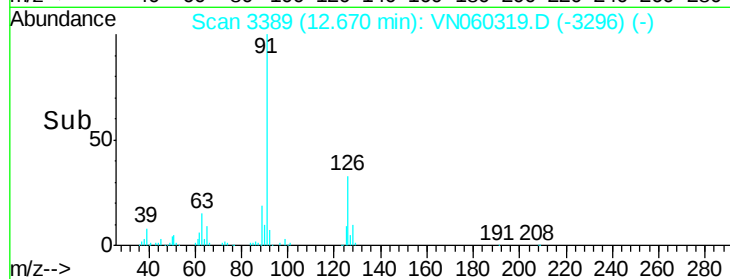
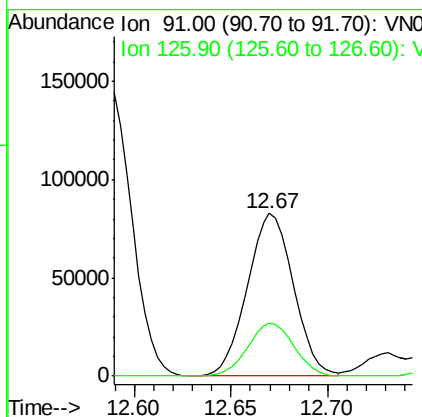
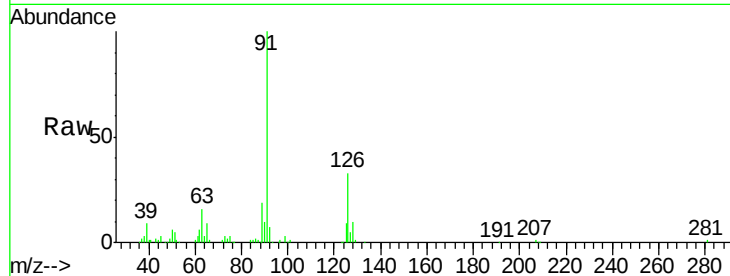
#79
2-Chlorotoluene
Concen: 18.214 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion: 91 Resp: 136854
Ion Ratio Lower Upper
91 100
126 32.7 16.6 49.8

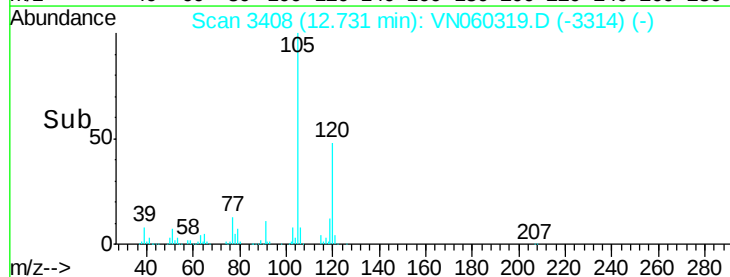
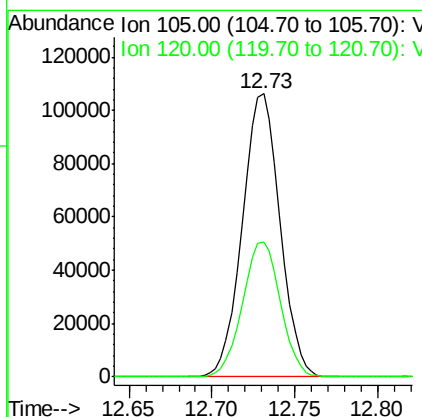
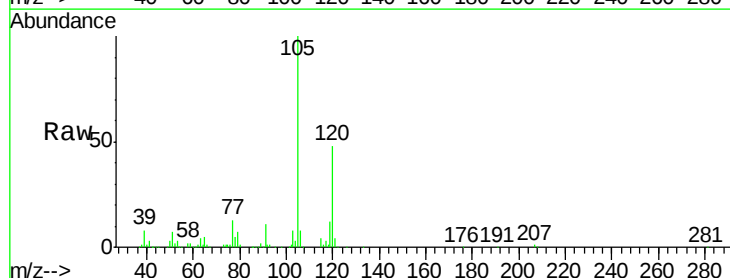
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#80
1,3,5-Trimethylbenzene
Concen: 18.221 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion: 105 Resp: 167292
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.4





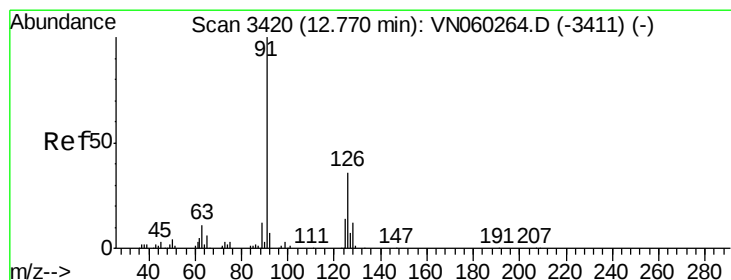
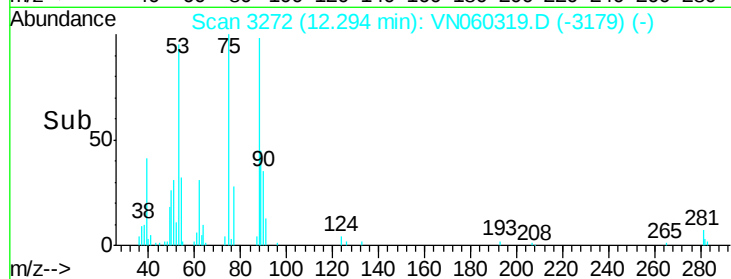
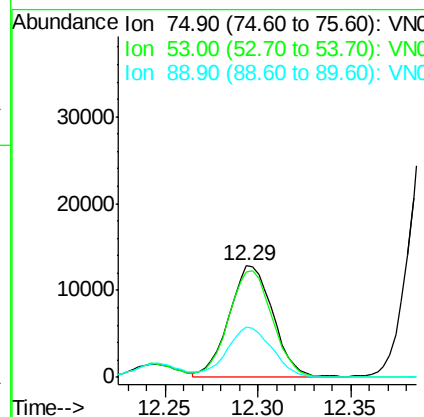
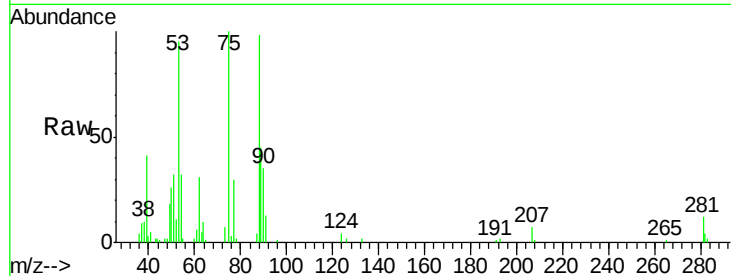
#81
trans-1,4-Dichloro-2-butene
Concen: 18.126 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	73.8	110.6
89	45.9	57.1	85.7#

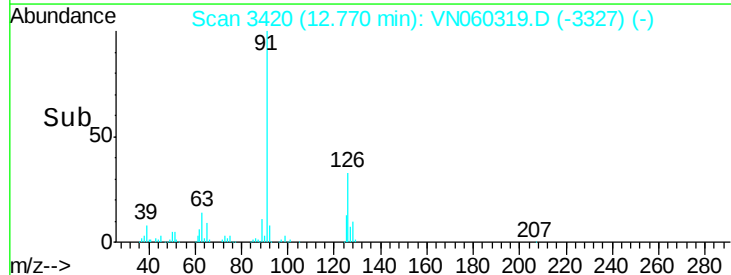
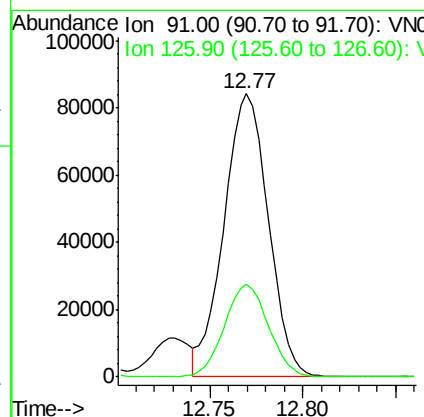
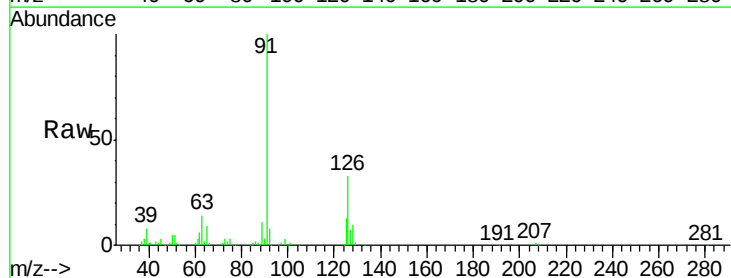
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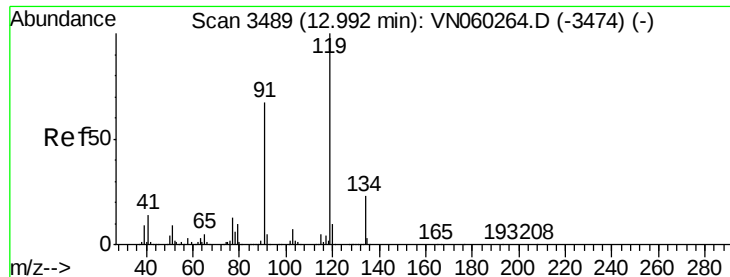
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#82
4-Chlorotoluene
Concen: 17.649 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





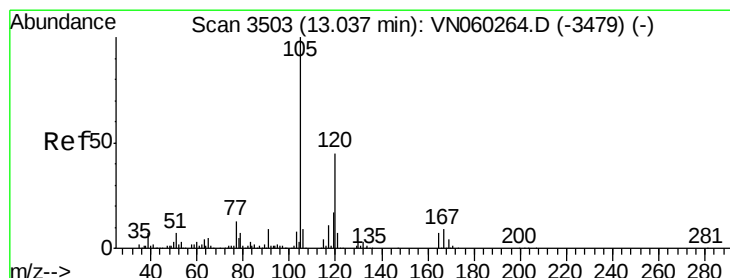
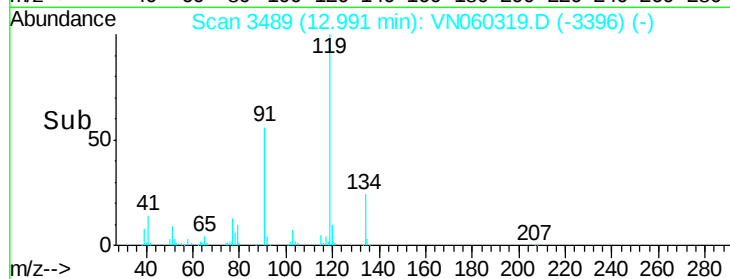
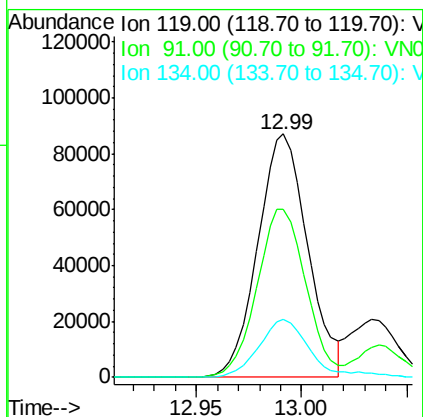
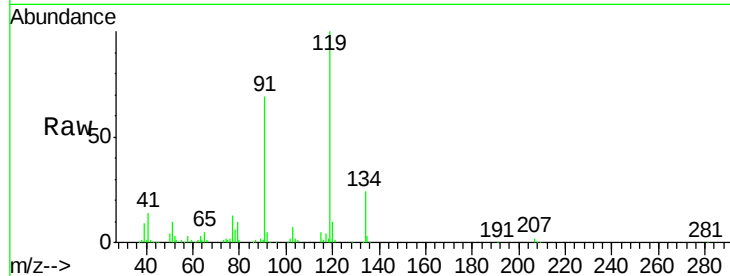
#83
tert-Butylbenzene
Concen: 18.067 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.1	99.2
134	24.6	12.4	37.0

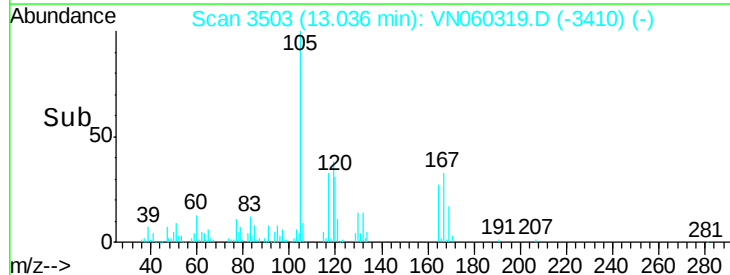
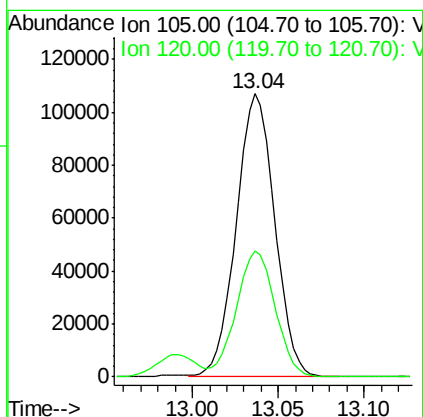
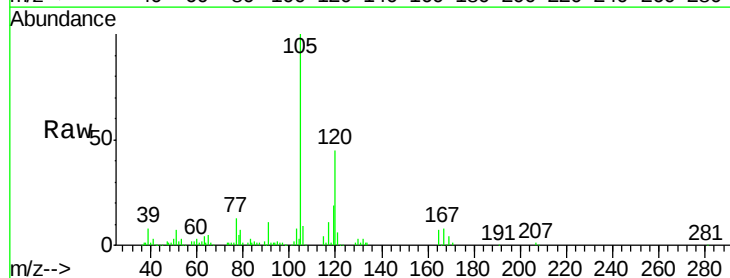
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#84
1,2,4-Trimethylbenzene
Concen: 17.933 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9





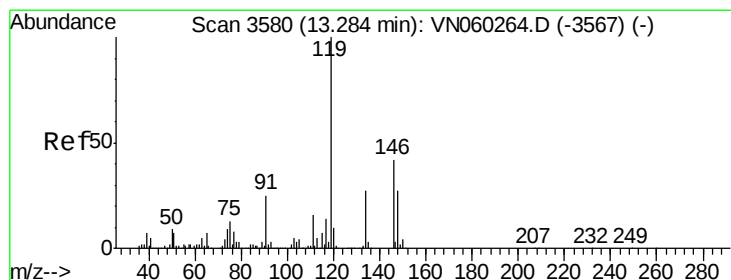
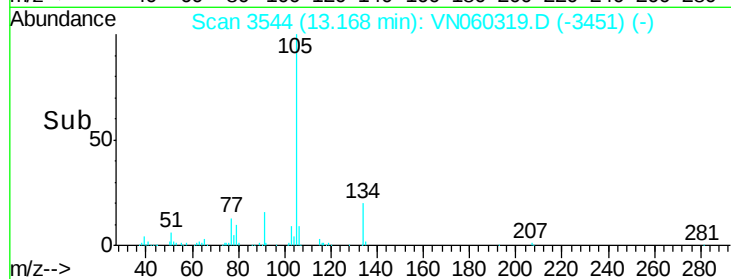
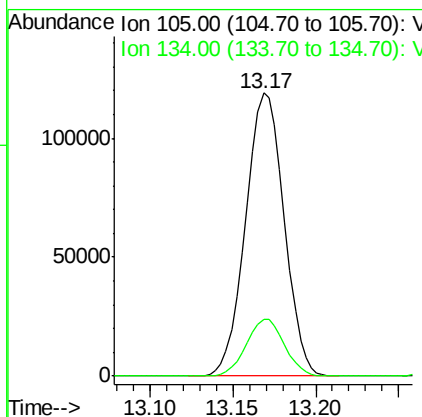
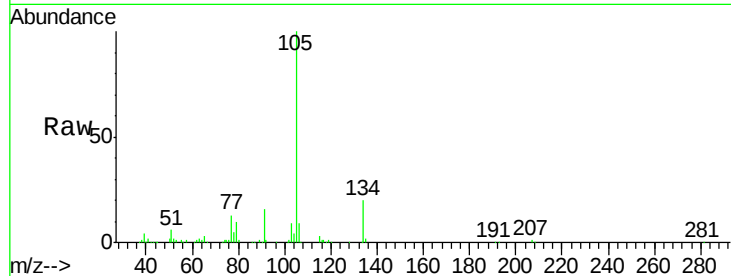
#85
 sec-Butylbenzene
 Concen: 18.041 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN0303WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	192040		
134	19.9	9.8	29.5	

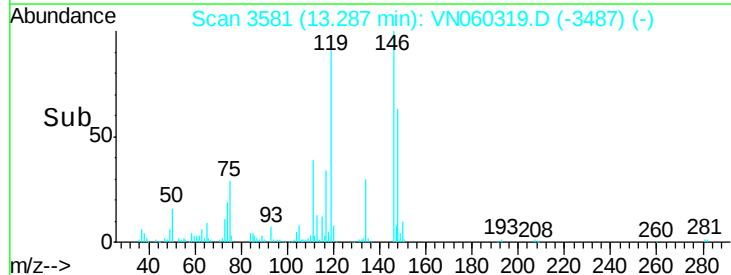
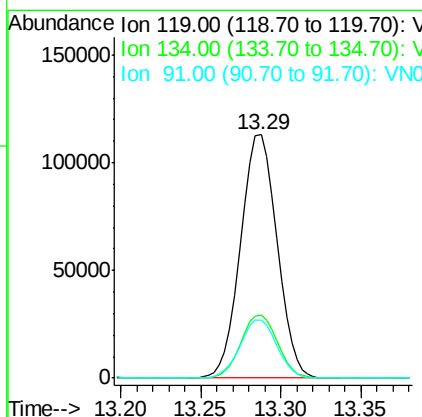
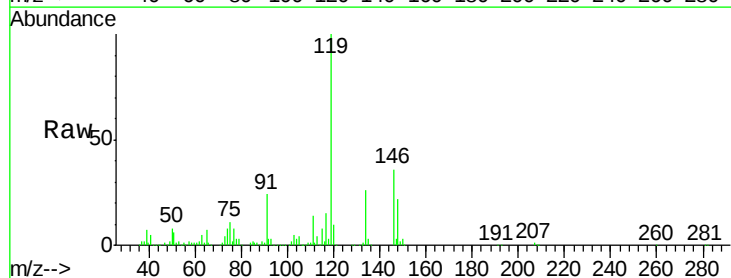
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#86
 p-Isopropyltoluene
 Concen: 17.778 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	175152		
134	26.0	13.2	39.6	
91	24.1	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 18.304 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060319.D

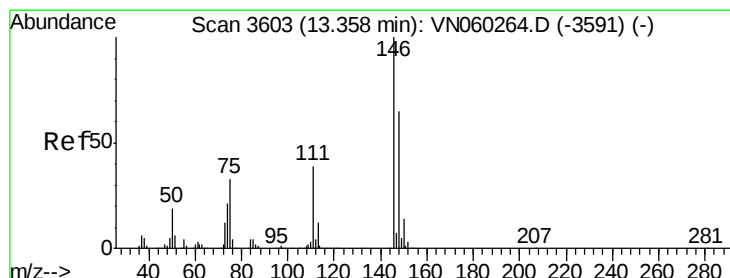
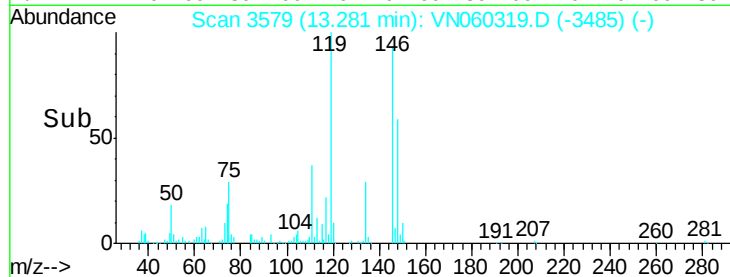
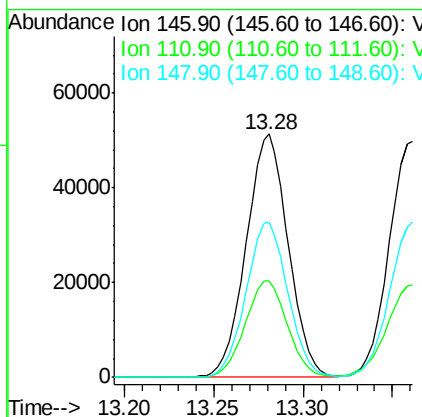
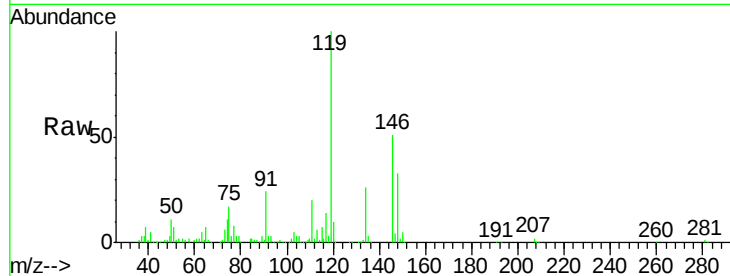
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampled :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	59.9
148	63.5	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 18.050 ug/l

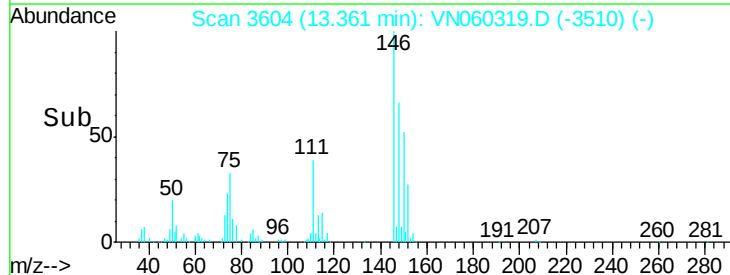
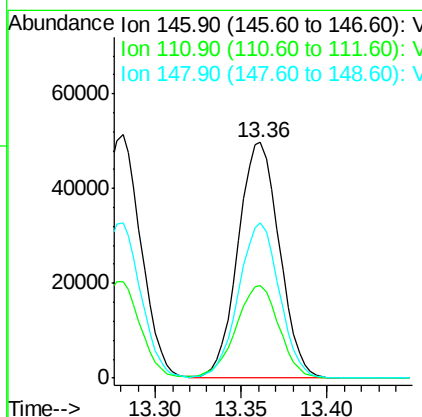
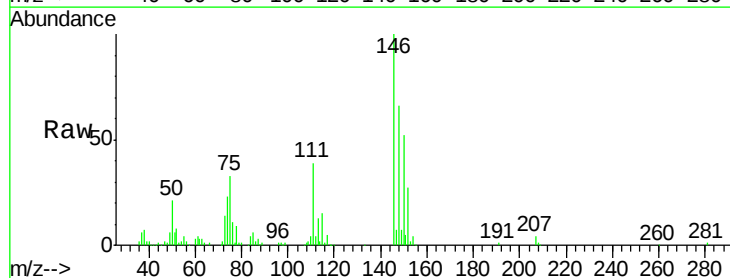
RT: 13.36 min Scan# 3604

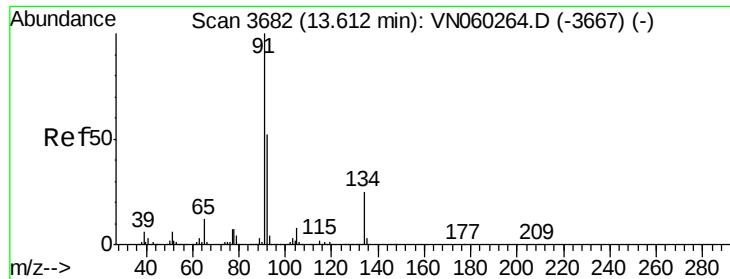
Delta R.T. 0.00 min

Lab File: VN060319.D

Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	64.9	32.3	96.9





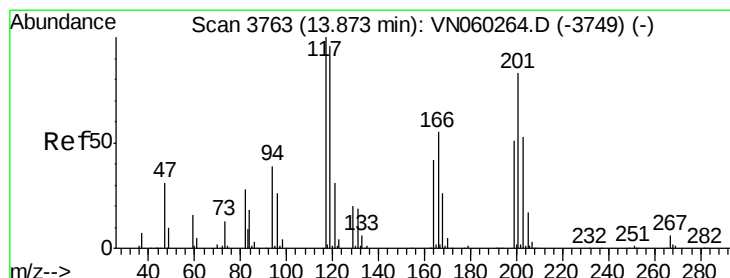
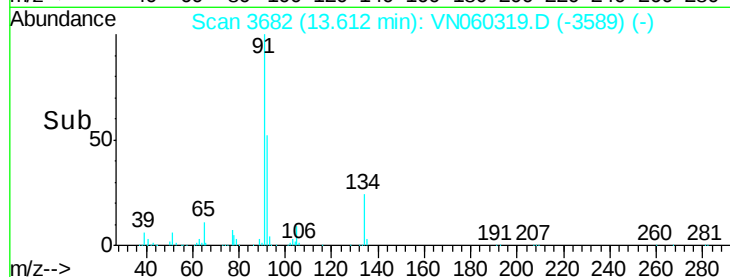
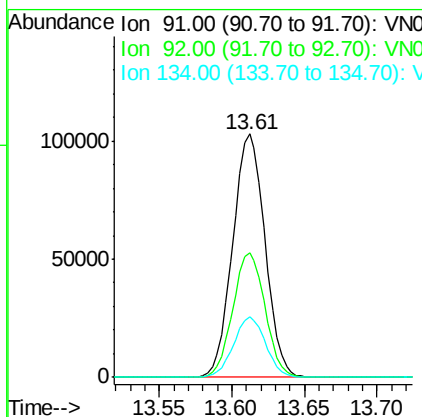
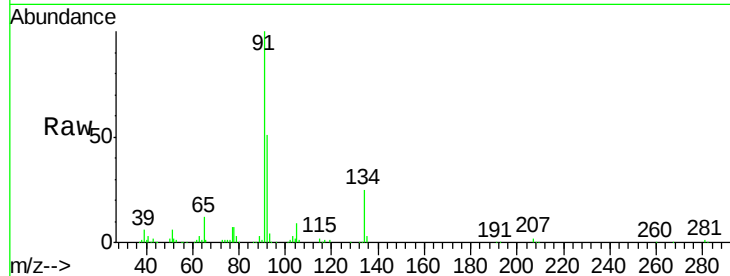
#89
n-Butylbenzene
Concen: 17.582 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	24.6	12.7	38.1

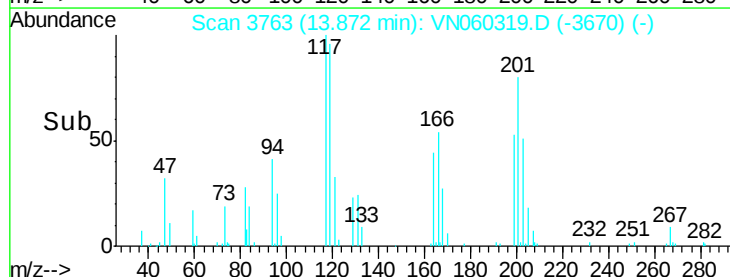
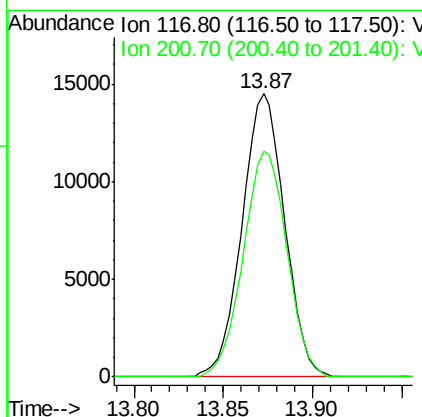
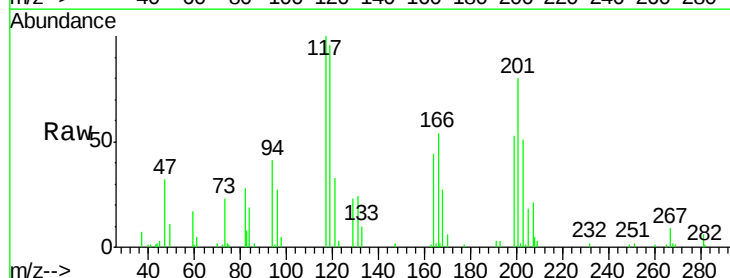
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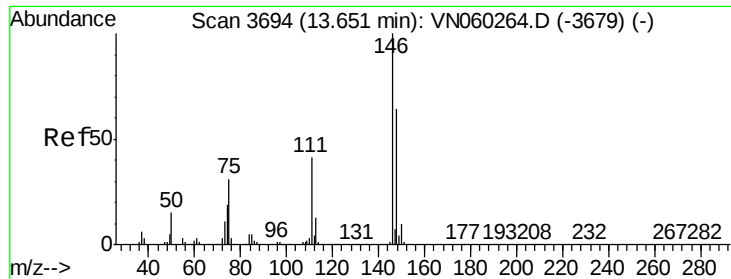
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#90
Hexachloroethane
Concen: 16.955 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	41.0	123.0





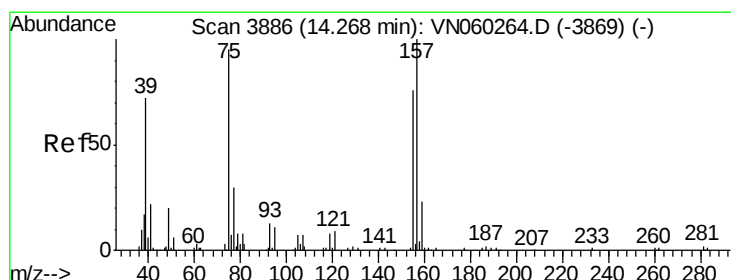
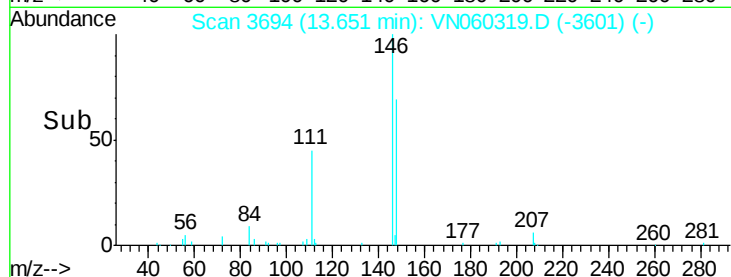
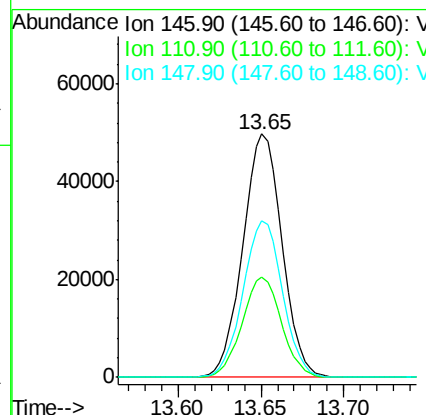
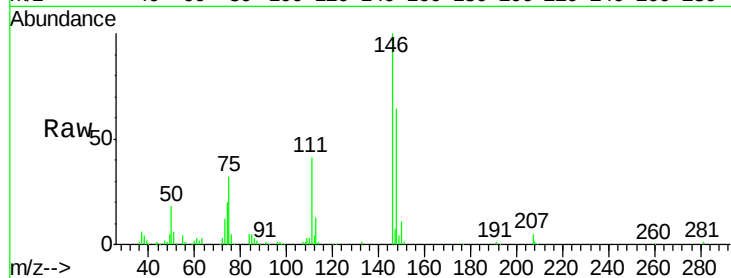
#91
 1,2-Dichlorobenzene
 Concen: 17.438 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	61.0
148	64.8	31.8	95.3

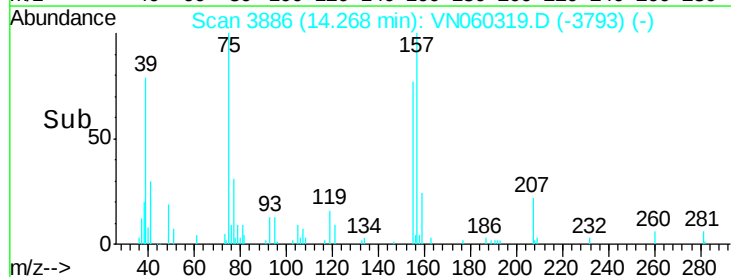
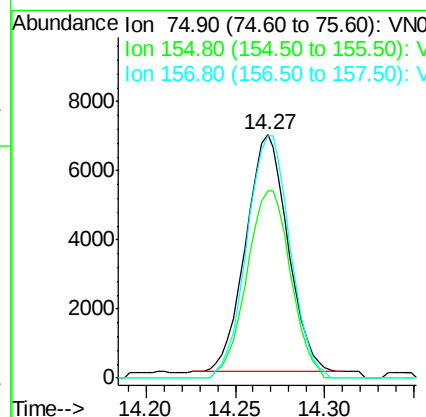
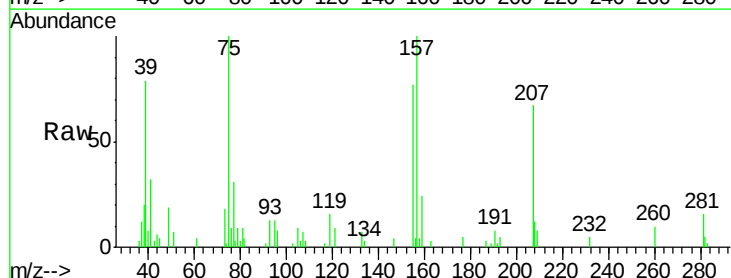
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.861 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	40.4	121.2
157	104.9	52.5	157.5





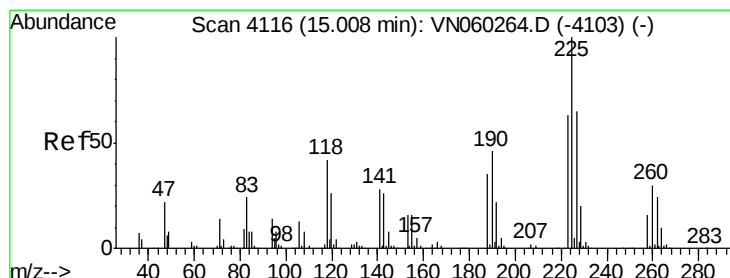
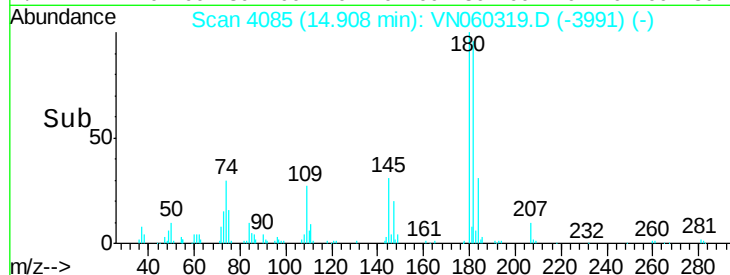
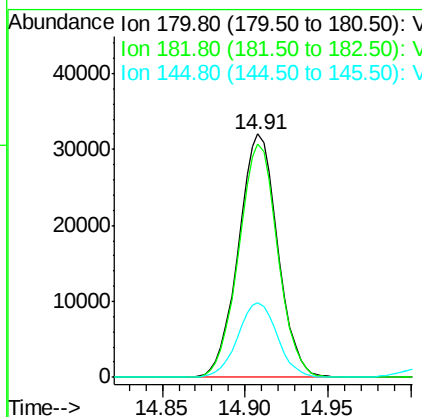
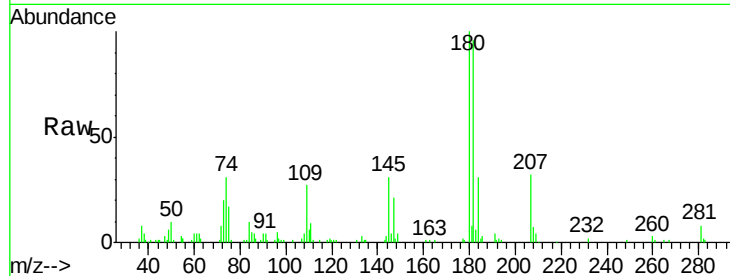
#93
 1,2,4-Trichlorobenzene
 Concen: 17.696 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0303WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	31.0	15.4	46.1

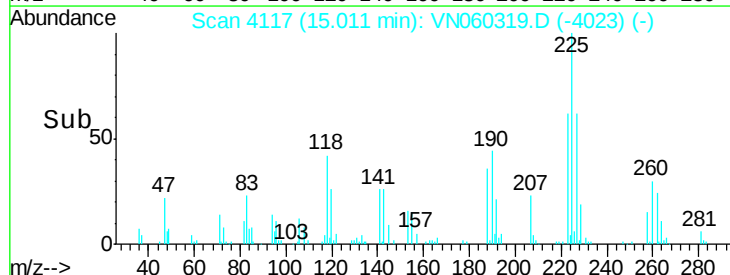
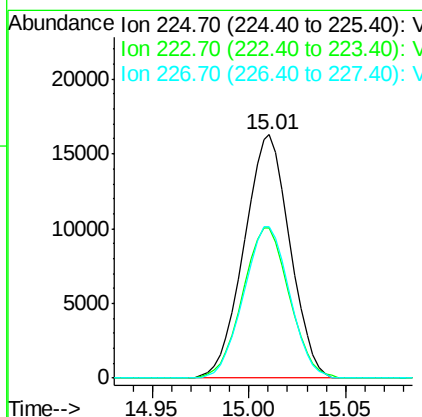
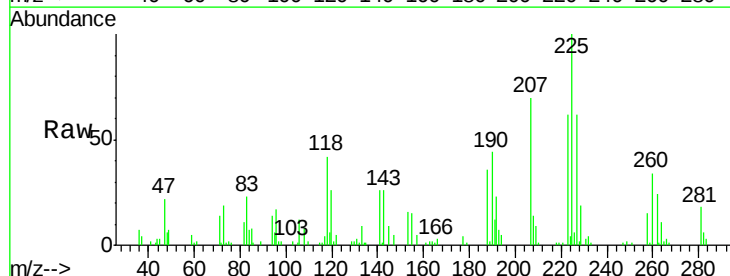
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#94
 Hexachlorobutadiene
 Concen: 19.215 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060319.D
 Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.3	93.9
227	62.3	32.3	96.9





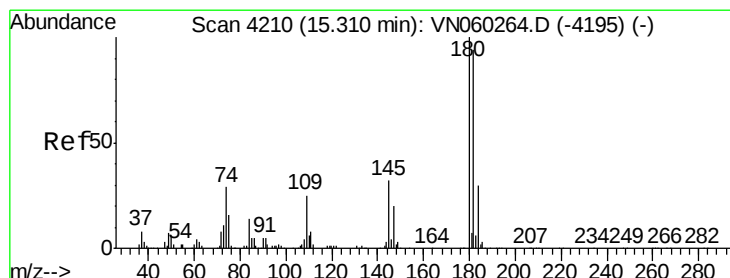
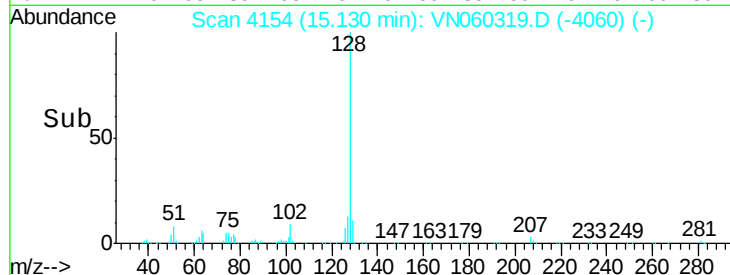
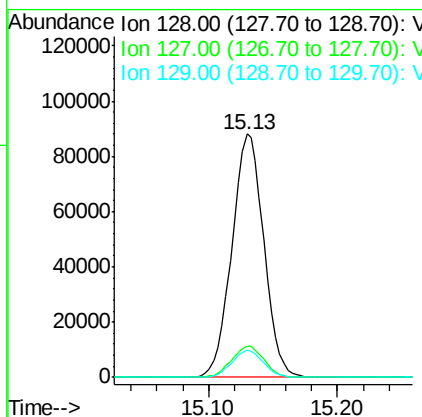
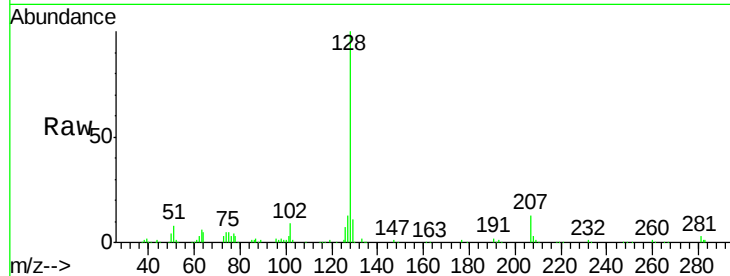
#95
Naphthalene
Concen: 17.037 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN0303WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/4/2020 10:44:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.176 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060319.D
Acq: 3 Mar 2020 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.6	16.2	48.5

