

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012621\
 Data File : VN065614.D
 Acq On : 26 Jan 2021 19:18
 Operator : JC/MD
 Sample : M1190-02MEDL 20X
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 27 03:32:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 25 13:47:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

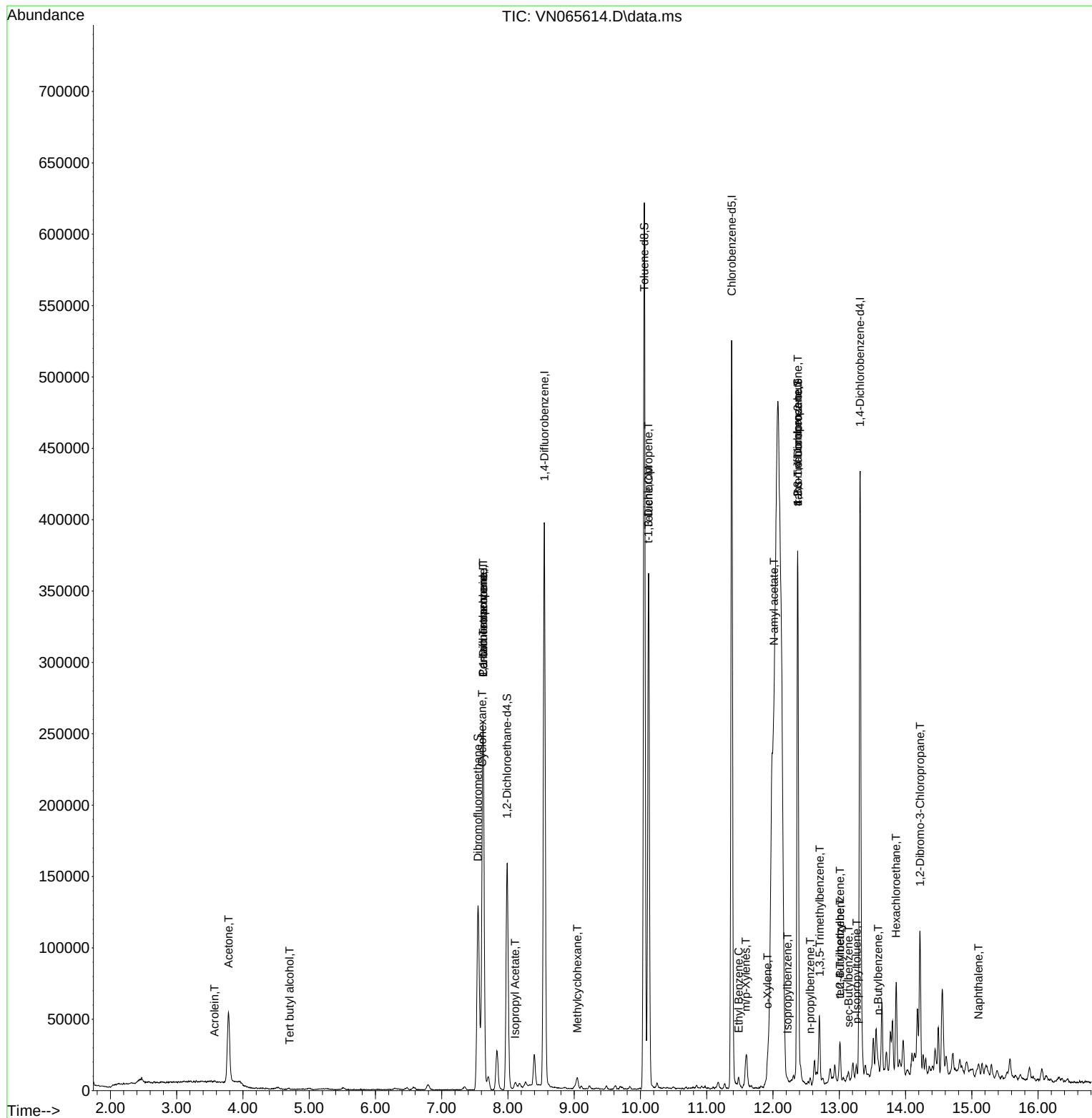
Internal Standards						
1) Pentafluorobenzene	7.624	168	206572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.550	114	356380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.376	117	311088	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.315	152	116905	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.987	65	133458	49.11	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.22%		
35) Dibromofluoromethane	7.547	113	103879	49.19	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.38%		
50) Toluene-d8	10.058	98	444762	53.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.16%		
62) 4-Bromofluorobenzene	12.373	95	148977	49.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.68%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.705	59	262	0.51	ug/l #	73
13) Acrolein	3.570	56	194	18.50	ug/l #	61
16) Acetone	3.782	43	79058	74.73	ug/l	100
31) Cyclohexane	7.611	56	9211	1.80	ug/l #	32
36) 1,1-Dichloropropene	7.624	75	16981	4.74	ug/l #	47
38) Carbon Tetrachloride	7.624	117	20153	6.83	ug/l #	16
39) Methylcyclohexane	9.045	83	3311	0.76	ug/l	93
43) Isopropyl Acetate	8.110	43	3106	0.51	ug/l #	53
52) Toluene	10.122	92	160972	24.81	ug/l	98
53) t-1,3-Dichloropropene	10.119	75	1631	0.39	ug/l #	1
67) Ethyl Benzene	11.482	91	4594	0.38	ug/l	99
68) m/p-Xylenes	11.592	106	5646	1.28	ug/l	96
69) o-Xylene	11.920	106	2831	0.66	ug/l	54
73) Isopropylbenzene	12.219	105	2069	0.20	ug/l	77
74) N-amyl acetate	12.016	43	7577	1.75	ug/l #	43
76) 1,2,3-Trichloropropane	12.373	75	70548	23.08	ug/l #	100
78) n-propylbenzene	12.563	91	5172	0.43	ug/l	90
80) 1,3,5-Trimethylbenzene	12.704	105	4661	0.53	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.373	75	70548	59.11	ug/l #	12
83) tert-Butylbenzene	13.013	119	1969	0.27	ug/l #	49
84) 1,2,4-Trimethylbenzene	13.010	105	15817	1.82	ug/l	98
85) sec-Butylbenzene	13.142	105	4065	0.41	ug/l	95
86) p-Isopropyltoluene	13.264	119	2540	0.29	ug/l	79
89) n-Butylbenzene	13.585	91	4004	0.51	ug/l #	76
90) Hexachloroethane	13.859	117	3516	2.32	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.219	75	330	0.55	ug/l #	1
95) Naphthalene	15.103	128	6644	4.27	ug/l #	96

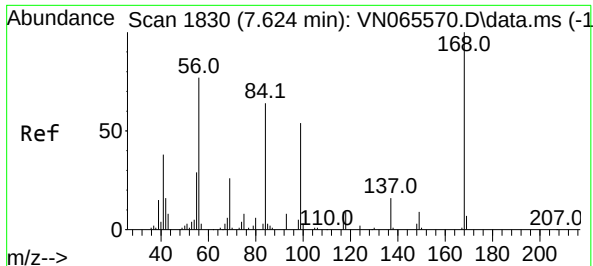
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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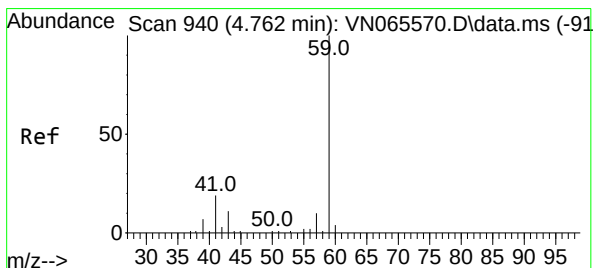
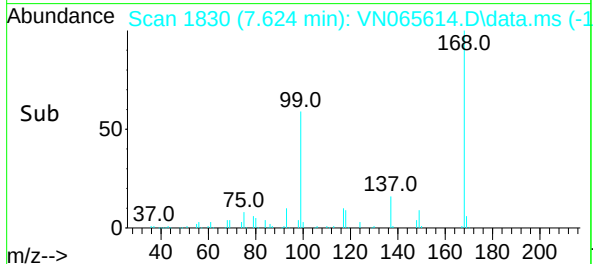
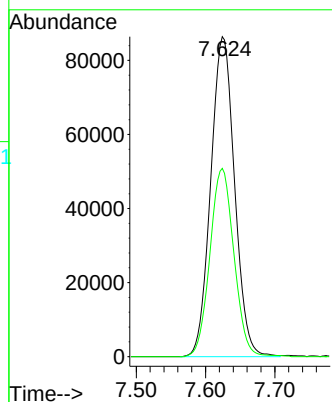
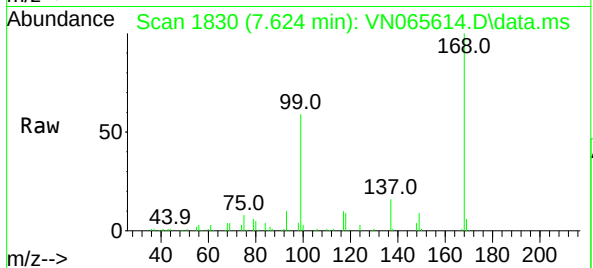




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

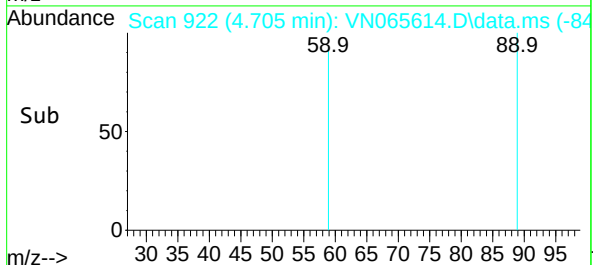
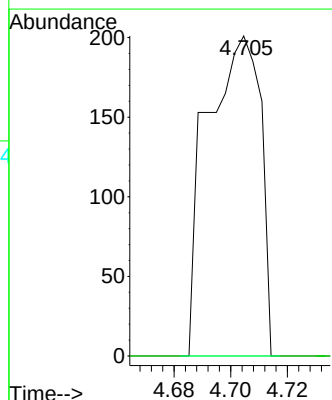
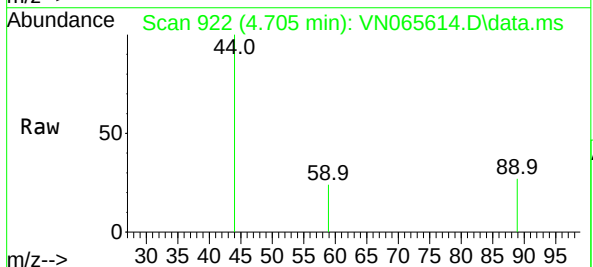
Instrument :
MSVOA_N
ClientSampleId :

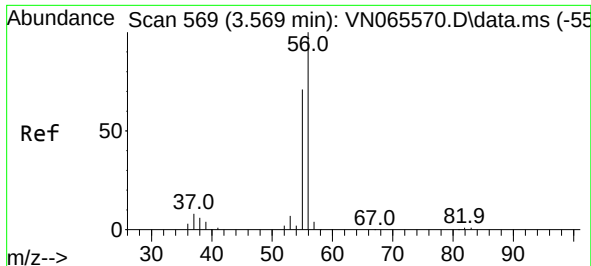
Tgt Ion:168 Resp: 206572
Ion Ratio Lower Upper
168 100
99 58.8 42.6 63.8



#11
Tert butyl alcohol
Concen: 0.51 ug/l
RT: 4.705 min Scan# 922
Delta R.T. -0.057 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

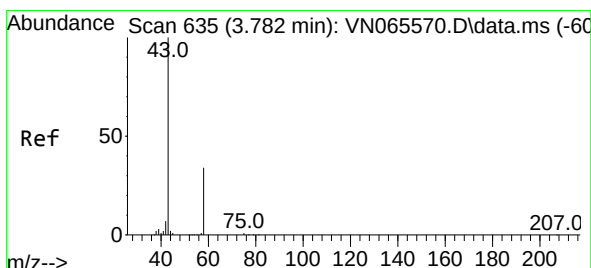
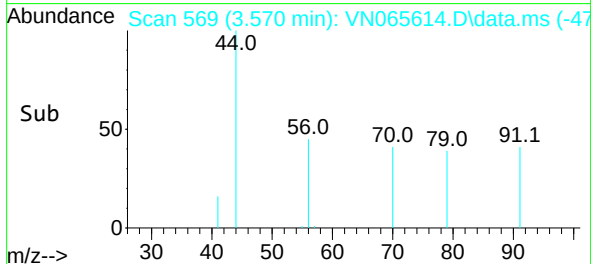
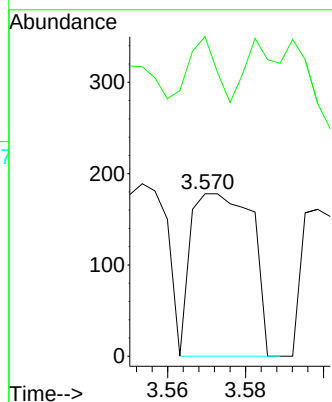
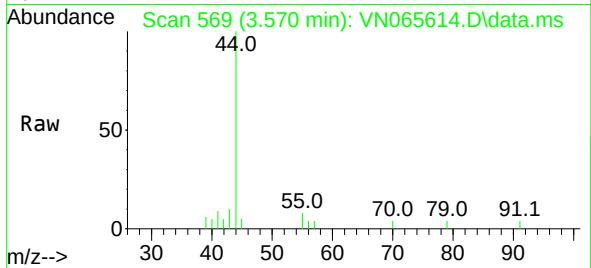




#13
Acrolein
Concen: 18.50 ug/l
RT: 3.570 min Scan# 569
Delta R.T. 0.001 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

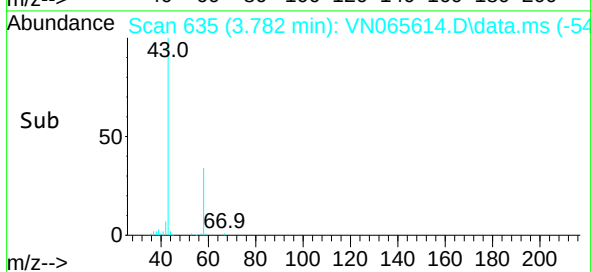
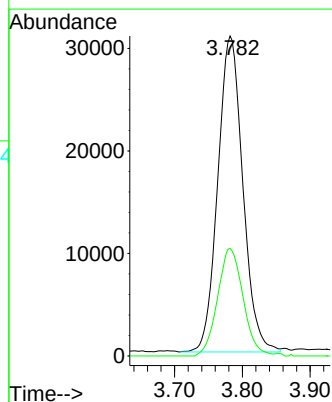
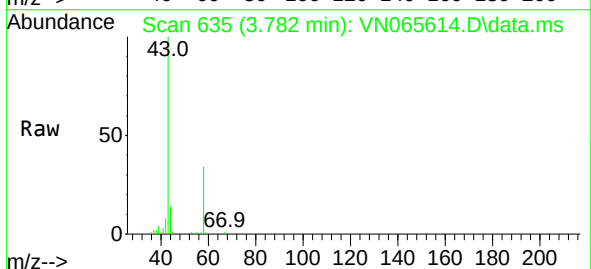
Instrument :
MSVOA_N
ClientSampled :

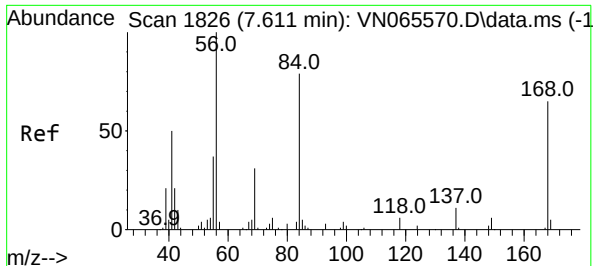
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 37.6 56.0 84.0#



#16
Acetone
Concen: 74.73 ug/l
RT: 3.782 min Scan# 635
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 43 Resp: 79058
Ion Ratio Lower Upper
43 100
58 34.0 27.0 40.6

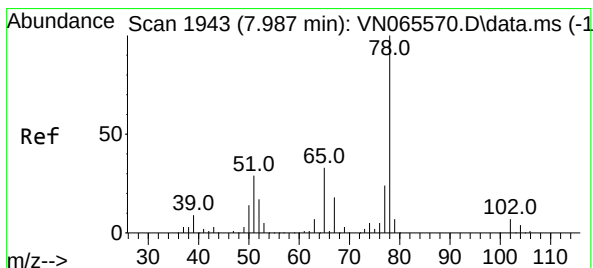
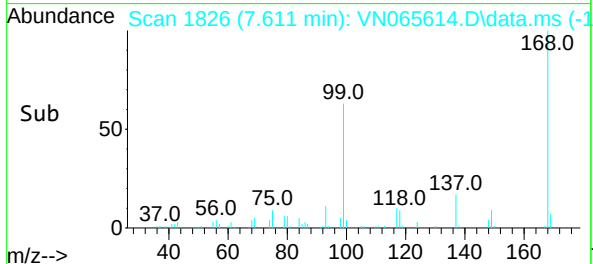
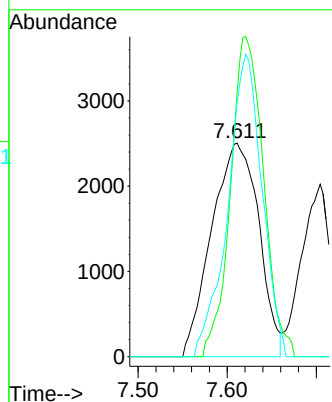
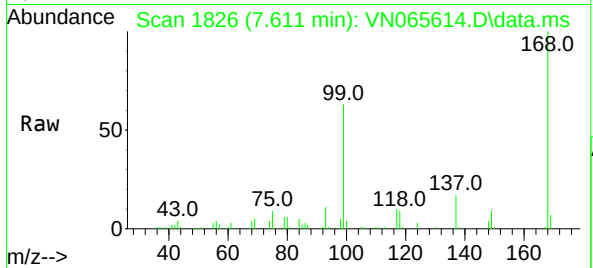




#31
Cyclohexane
Concen: 1.80 ug/l
RT: 7.611 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

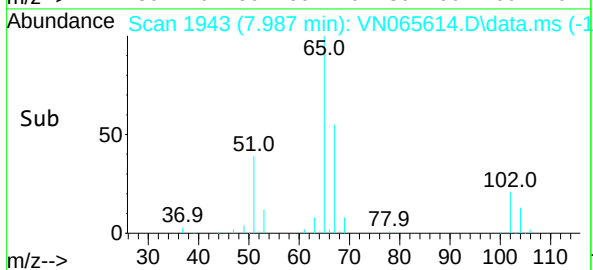
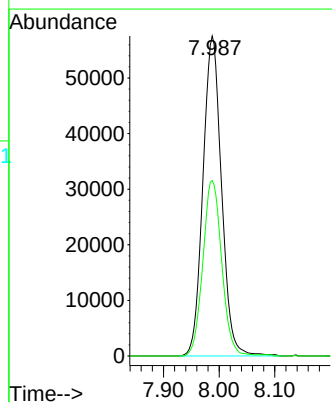
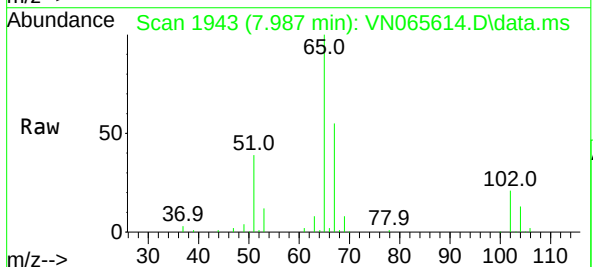
Instrument :
MSVOA_N
ClientSampleId :

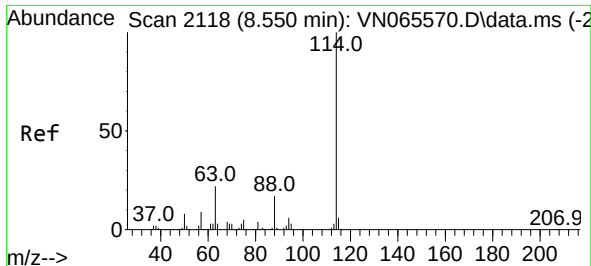
Tgt Ion: 56 Resp: 9211
Ion Ratio Lower Upper
56 100
69 123.6 26.6 39.8#
84 119.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 49.11 ug/l
RT: 7.987 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 65 Resp: 133458
Ion Ratio Lower Upper
65 100
67 55.5 0.0 107.2

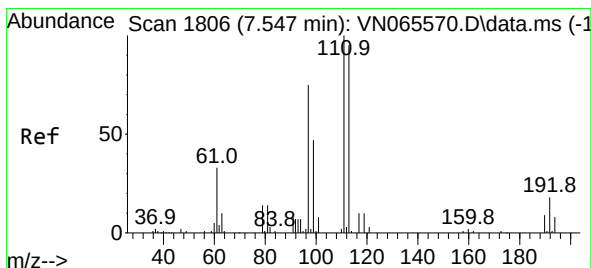
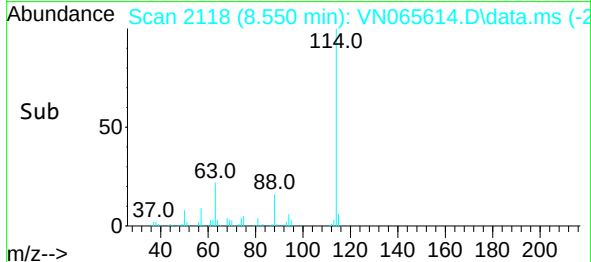
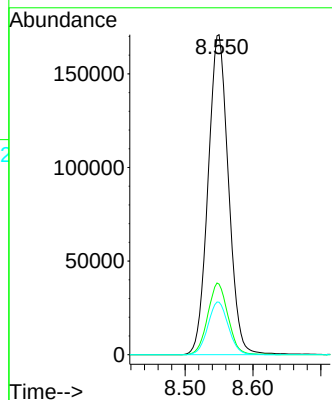
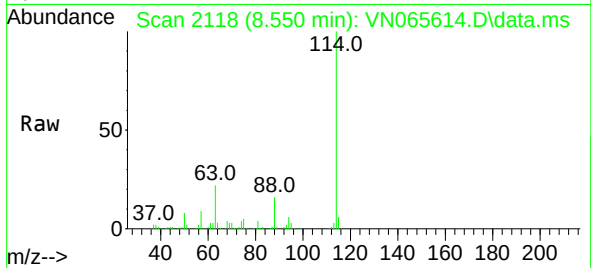




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.550 min Scan# 2118
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

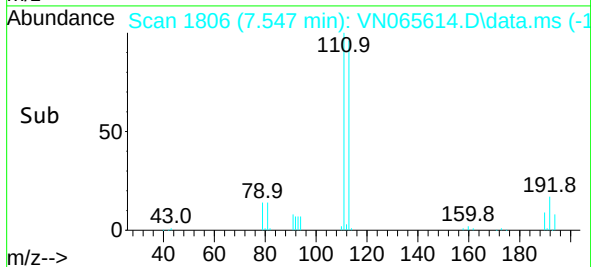
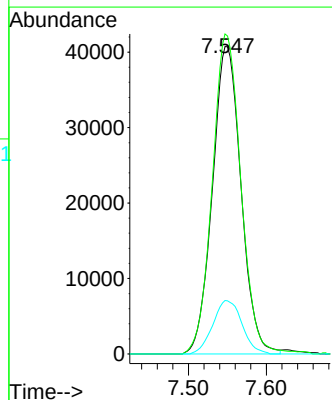
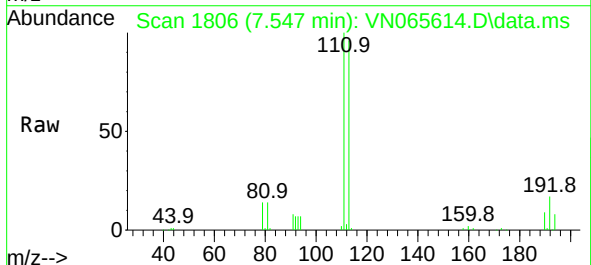
Instrument :
MSVOA_N
ClientSampleId :

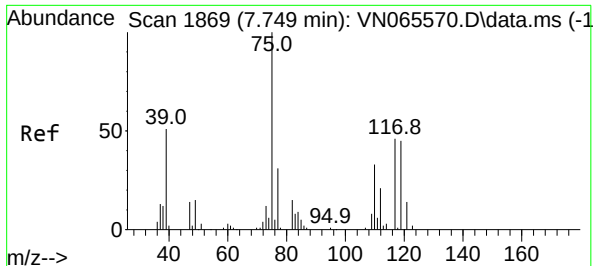
Tgt Ion:114 Resp: 356380
Ion Ratio Lower Upper
114 100
63 22.1 0.0 38.6
88 16.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.19 ug/l
RT: 7.547 min Scan# 1806
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion:113 Resp: 103879
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 17.7 15.4 23.0

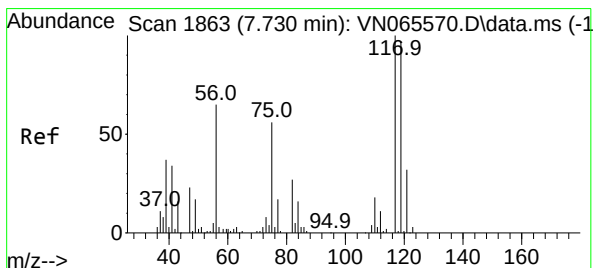
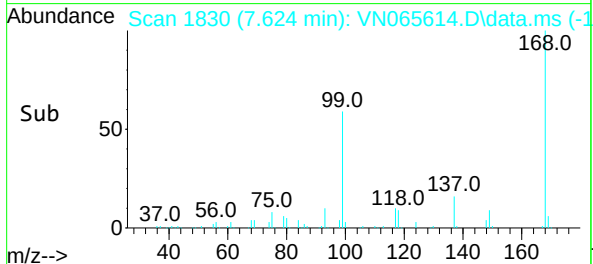
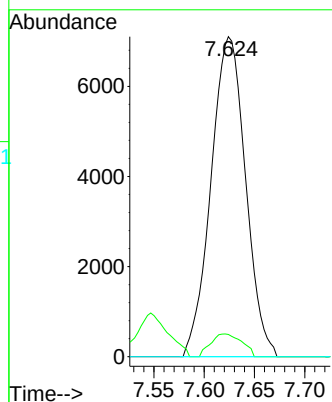
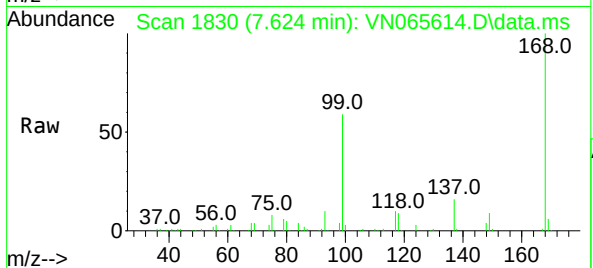




#36
1,1-Dichloropropene
Concen: 4.74 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.125 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

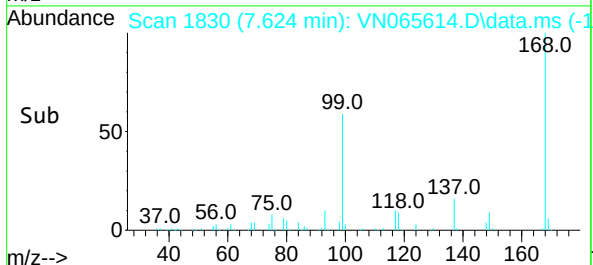
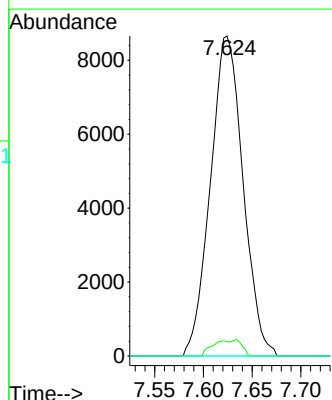
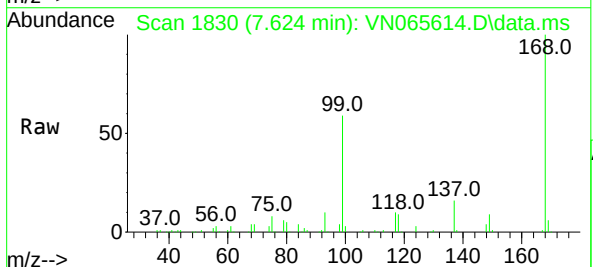
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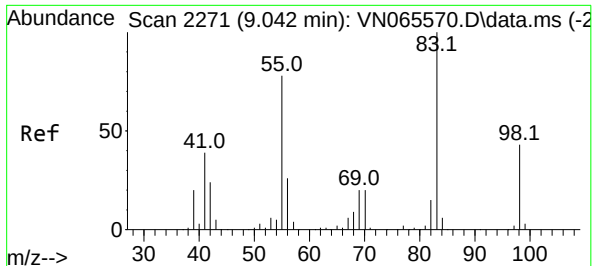
Tgt Ion: 75 Resp: 16981
Ion Ratio Lower Upper
75 100
110 6.4 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.83 ug/l
RT: 7.624 min Scan# 1830
Delta R.T. -0.106 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 117 Resp: 20153
Ion Ratio Lower Upper
117 100
119 4.5 76.0 114.0#
121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 0.76 ug/l

RT: 9.045 min Scan# 2272

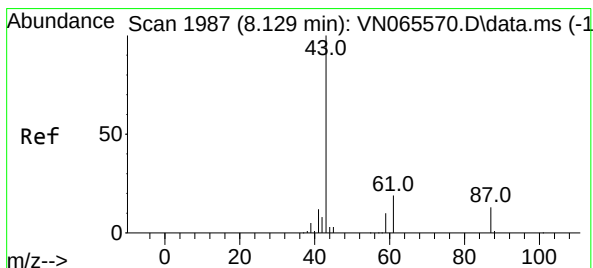
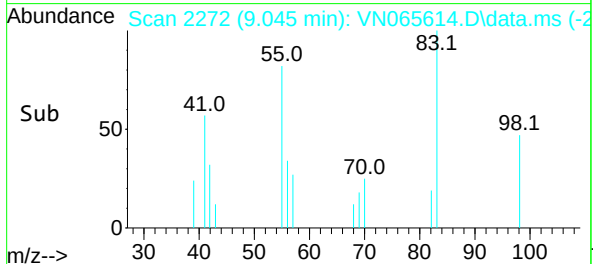
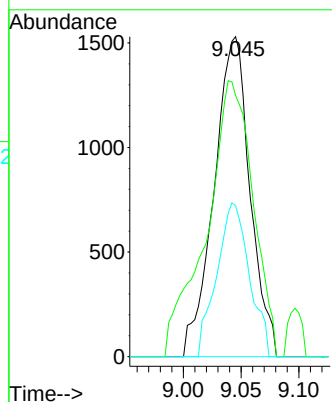
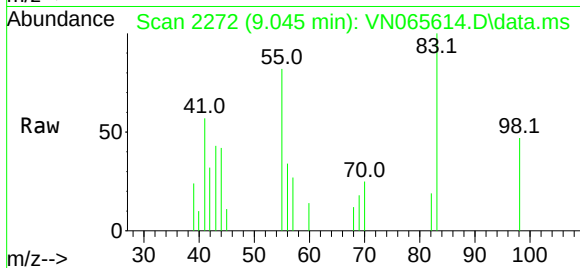
Delta R.T. 0.003 min

Lab File: VN065614.D

Acq: 26 Jan 2021 19:18

Tgt Ion: 83 Resp: 3311

Ion	Ratio	Lower	Upper
83	100		
55	81.6	58.9	88.3
98	47.2	35.9	53.9



#43

Isopropyl Acetate

Concen: 0.51 ug/l

RT: 8.110 min Scan# 1981

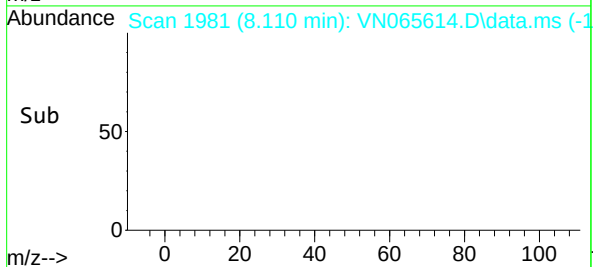
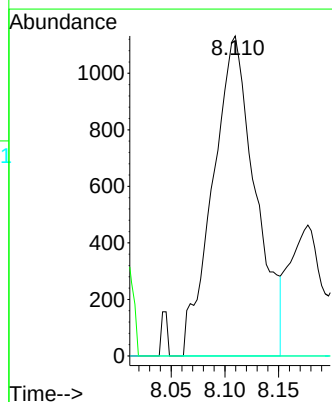
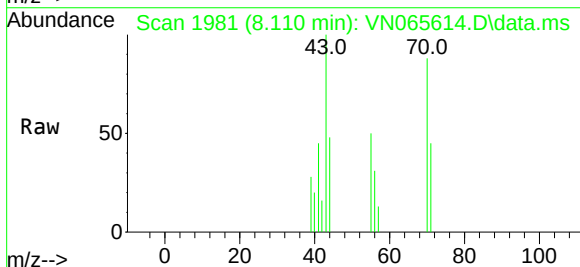
Delta R.T. -0.019 min

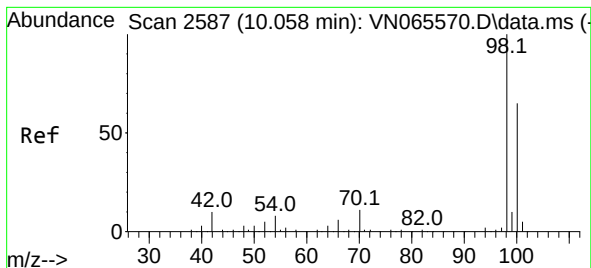
Lab File: VN065614.D

Acq: 26 Jan 2021 19:18

Tgt Ion: 43 Resp: 3106

Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.5	33.7#
87	0.0	11.1	16.7#

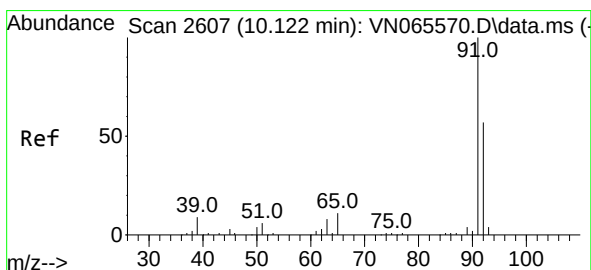
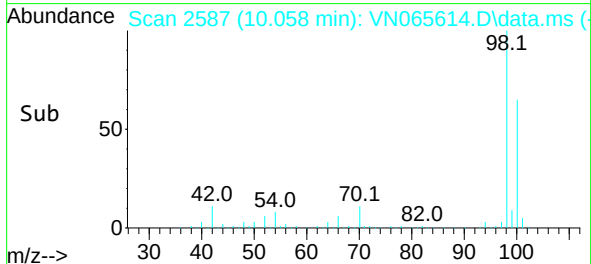
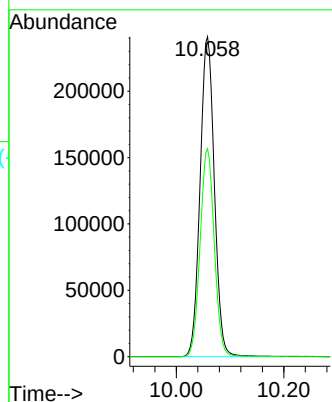
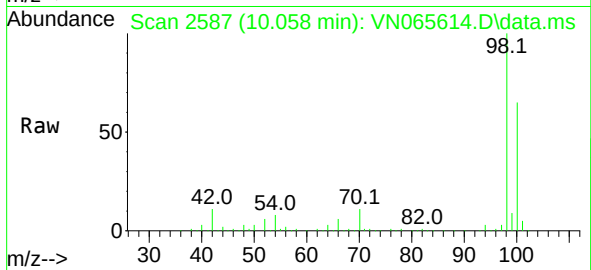




#50
Toluene-d8
Concen: 53.58 ug/l
RT: 10.058 min Scan# 2587
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

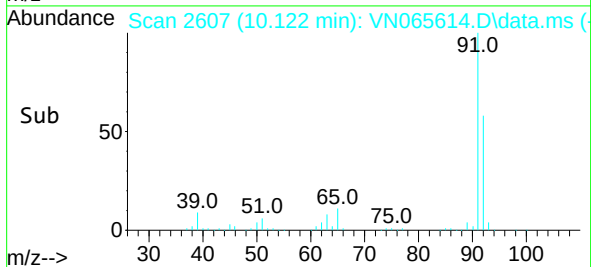
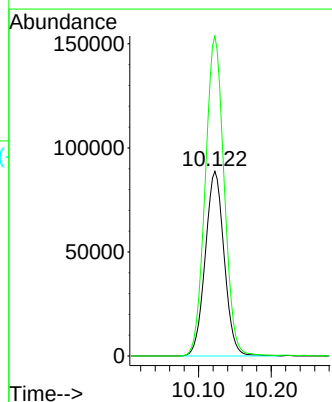
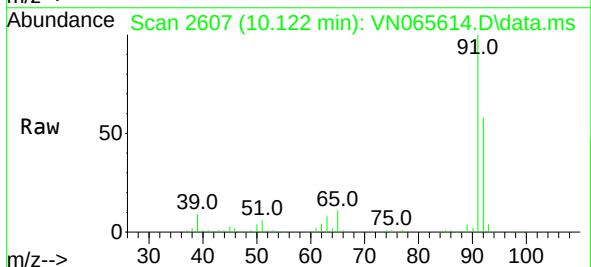
Instrument :
MSVOA_N
ClientSampleId :

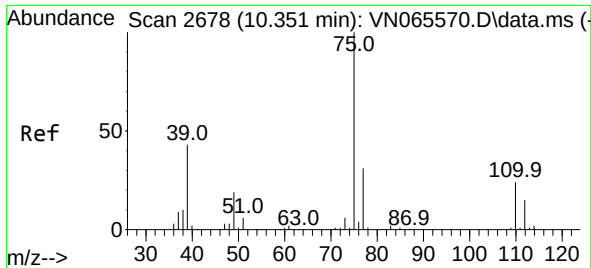
Tgt Ion: 98 Resp: 444762
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#52
Toluene
Concen: 24.81 ug/l
RT: 10.122 min Scan# 2607
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 92 Resp: 160972
Ion Ratio Lower Upper
92 100
91 173.2 140.7 211.1

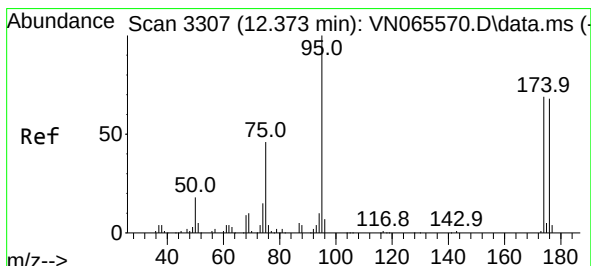
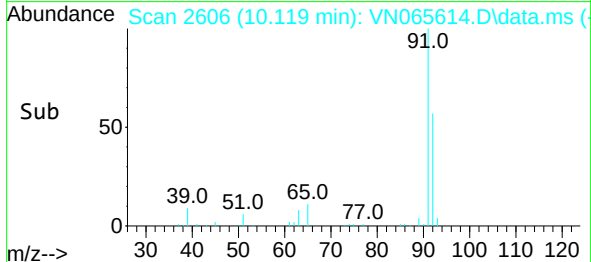
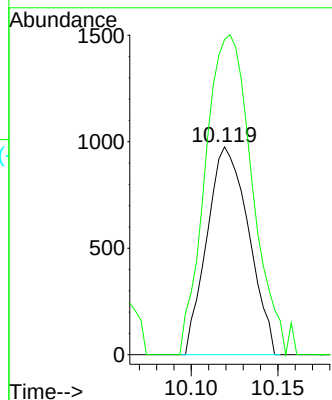
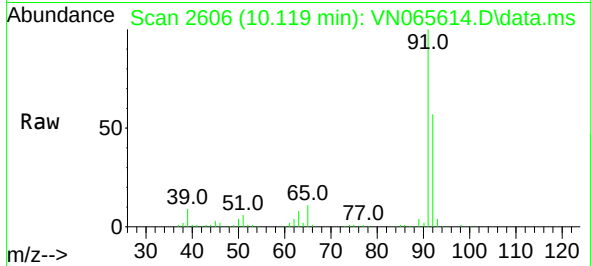




#53
t-1,3-Dichloropropene
Concen: 0.39 ug/l
RT: 10.119 min Scan# 2606
Delta R.T. -0.232 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

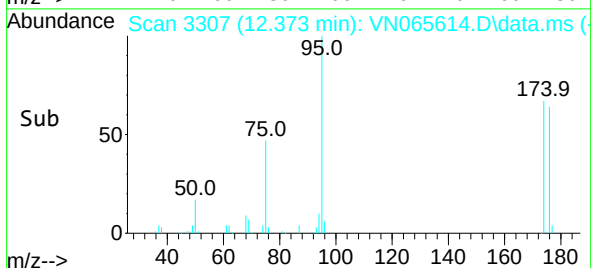
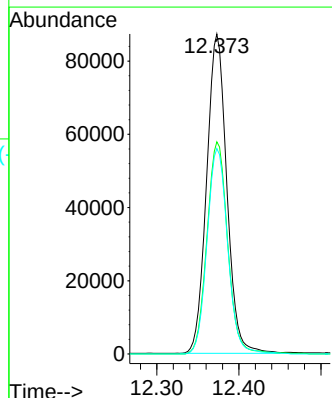
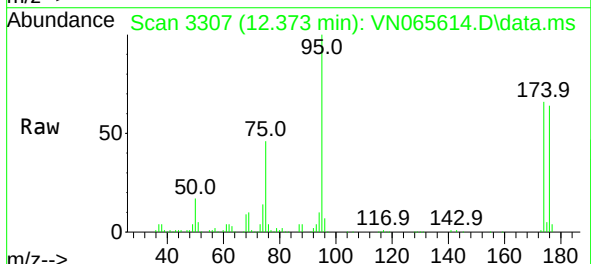
Instrument :
MSVOA_N
ClientSampleId :

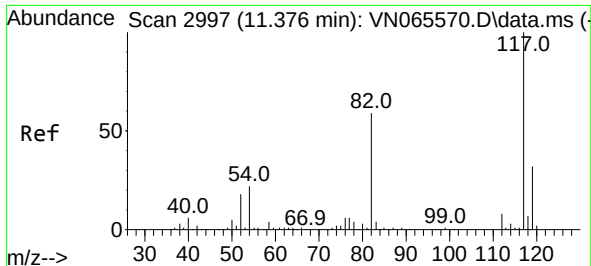
Tgt Ion: 75 Resp: 1631
Ion Ratio Lower Upper
75 100
77 151.6 26.2 39.4#



#62
4-Bromofluorobenzene
Concen: 49.84 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 95 Resp: 148977
Ion Ratio Lower Upper
95 100
174 68.3 0.0 169.0
176 65.7 0.0 162.4

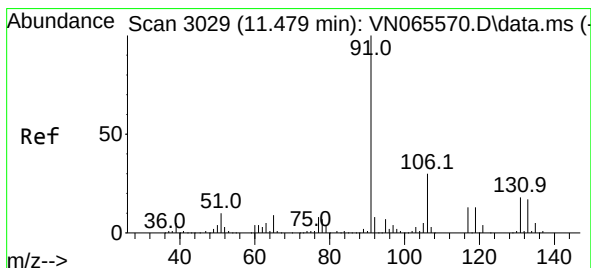
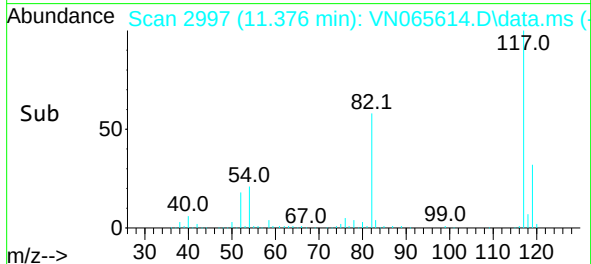
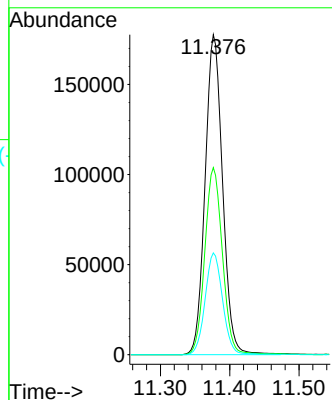
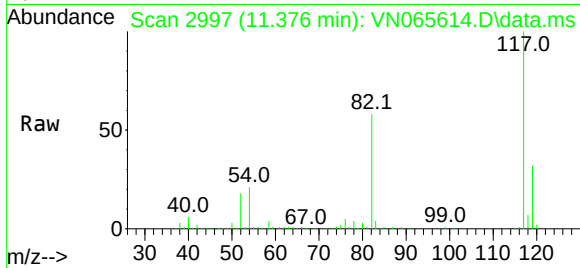




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.376 min Scan# 2997
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

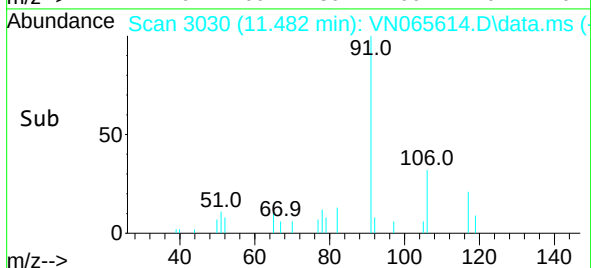
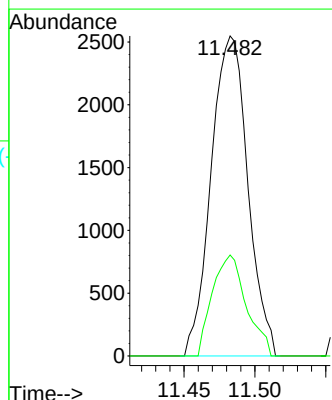
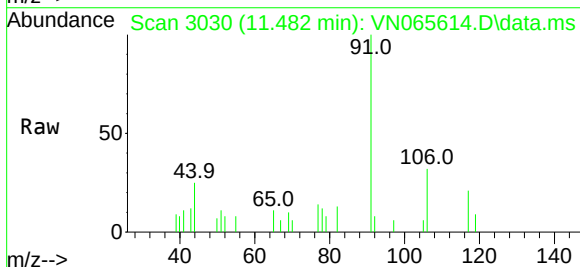
Instrument :
MSVOA_N
ClientSampleId :

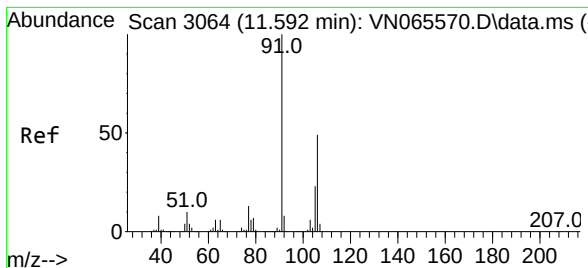
Tgt Ion:117 Resp: 311088
Ion Ratio Lower Upper
117 100
82 58.4 43.7 65.5
119 31.8 26.1 39.1



#67
Ethyl Benzene
Concen: 0.38 ug/l
RT: 11.482 min Scan# 3030
Delta R.T. 0.003 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 91 Resp: 4594
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3

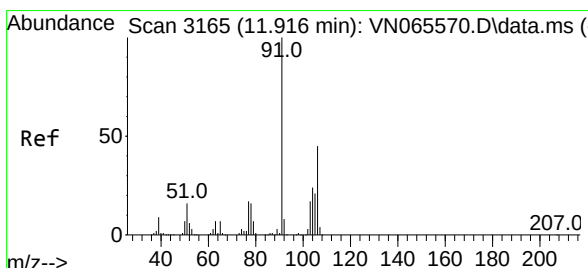
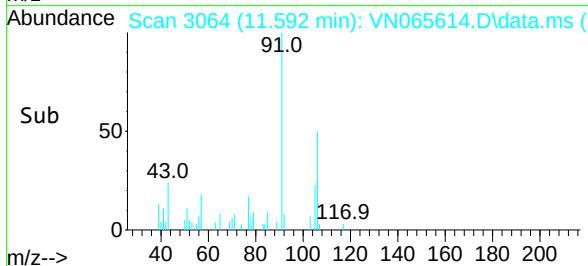
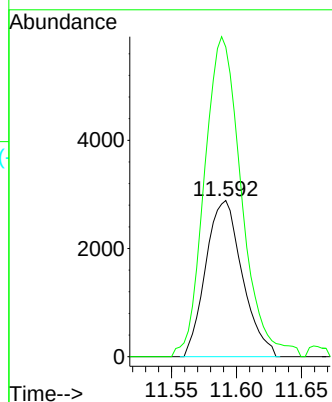
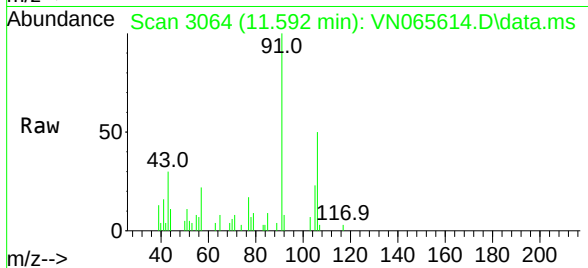




#68
m/p-Xylenes
Concen: 1.28 ug/l
RT: 11.592 min Scan# 3064
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

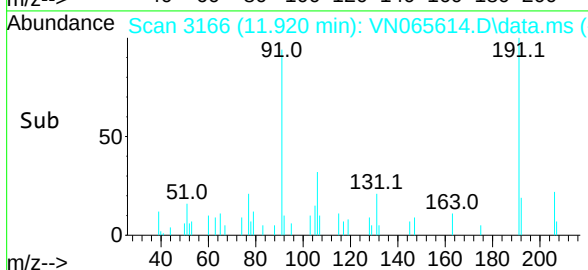
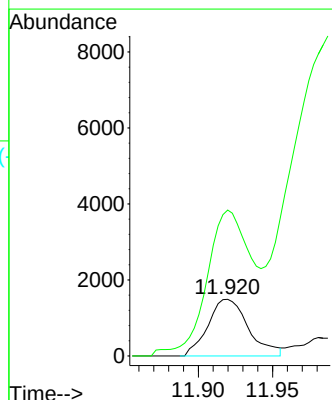
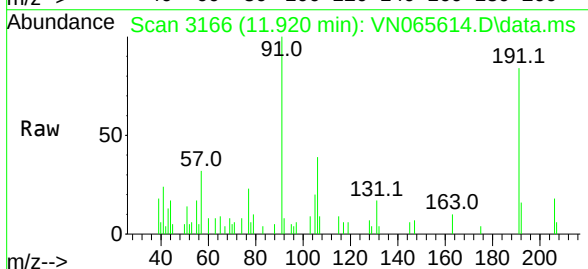
Instrument :
MSVOA_N
ClientSampleId :

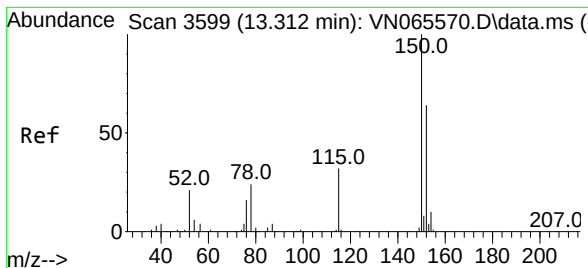
Tgt Ion:106 Resp: 5646
Ion Ratio Lower Upper
106 100
91 207.3 161.4 242.0



#69
o-Xylene
Concen: 0.66 ug/l
RT: 11.920 min Scan# 3166
Delta R.T. 0.004 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion:106 Resp: 2831
Ion Ratio Lower Upper
106 100
91 286.0 106.8 320.4

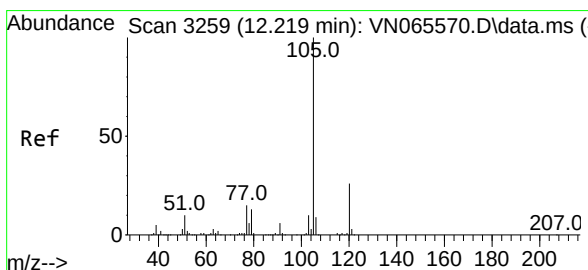
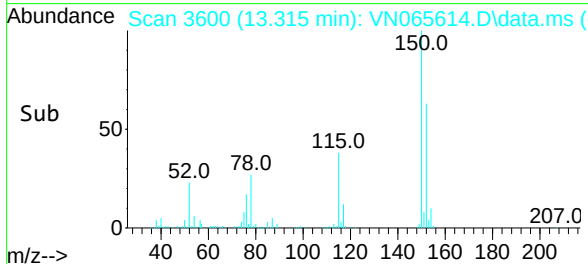
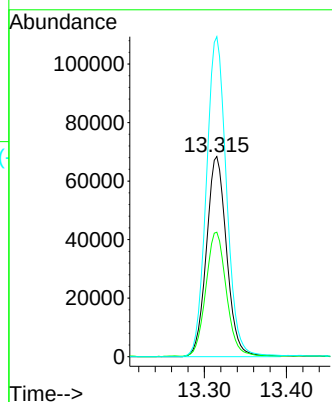
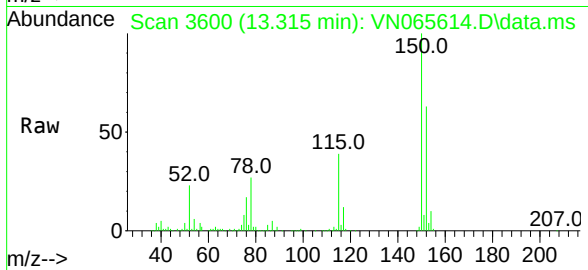




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.315 min Scan# 3600
Delta R.T. 0.003 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

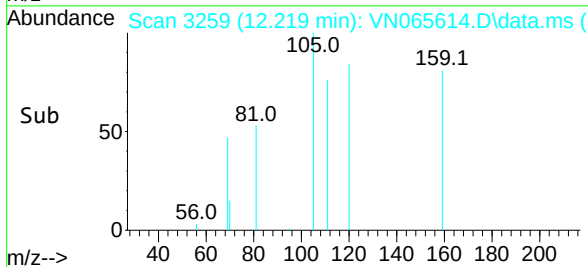
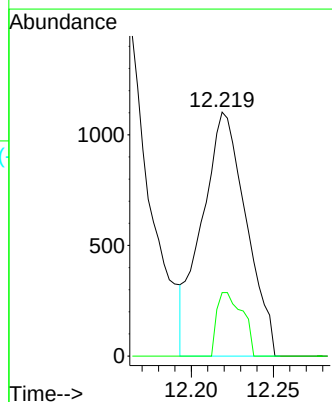
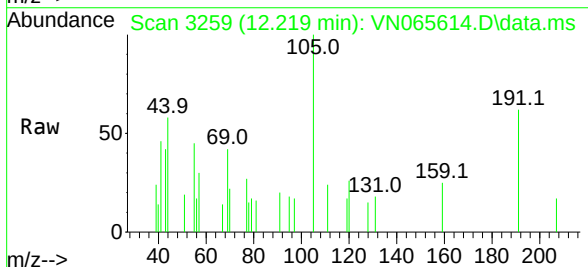
Instrument :
MSVOA_N
ClientSampleId :

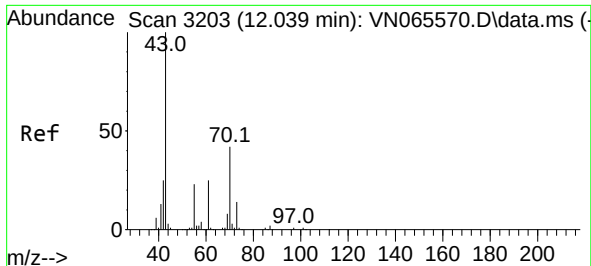
Tgt Ion:152 Resp: 116905
Ion Ratio Lower Upper
152 100
115 62.8 28.5 85.6
150 159.5 0.0 347.6



#73
Isopropylbenzene
Concen: 0.20 ug/l
RT: 12.219 min Scan# 3259
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

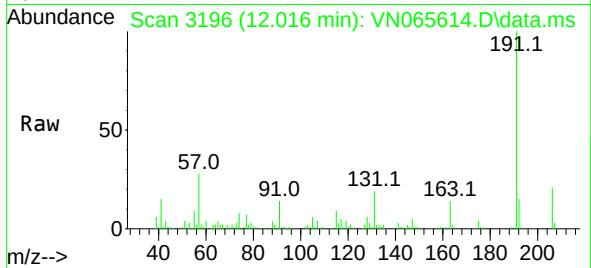
Tgt Ion:105 Resp: 2069
Ion Ratio Lower Upper
105 100
120 14.9 13.3 39.9



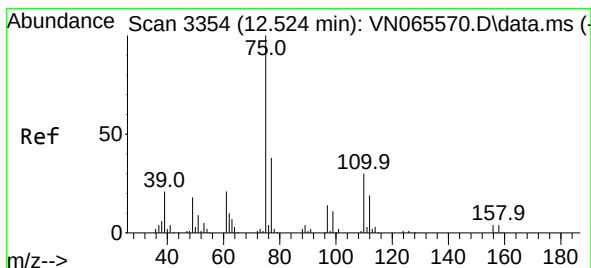
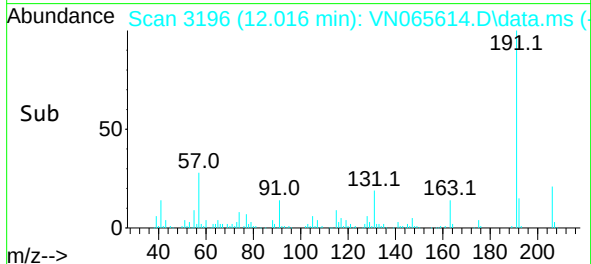
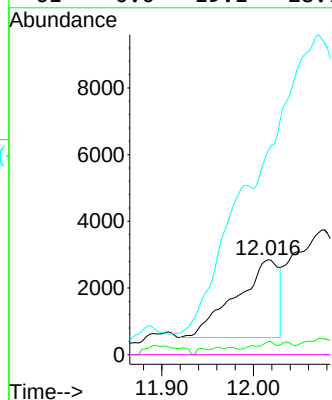


#74
N-amy1 acetate
Concen: 1.75 ug/l
RT: 12.016 min Scan# 3196
Delta R.T. -0.023 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Instrument :
MSVOA_N
ClientSampleId :

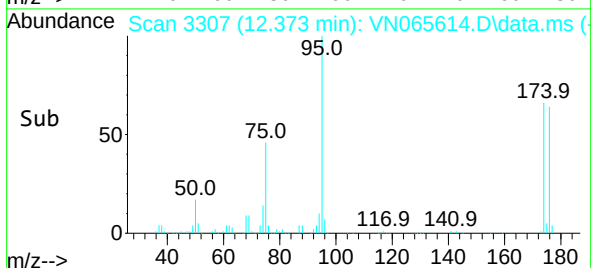
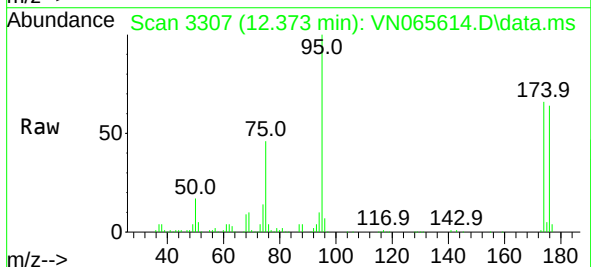
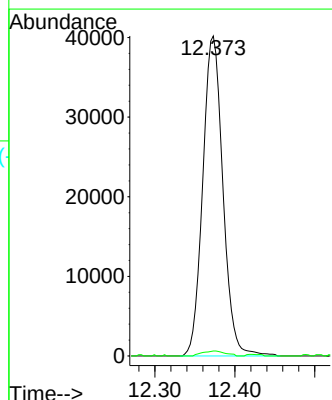


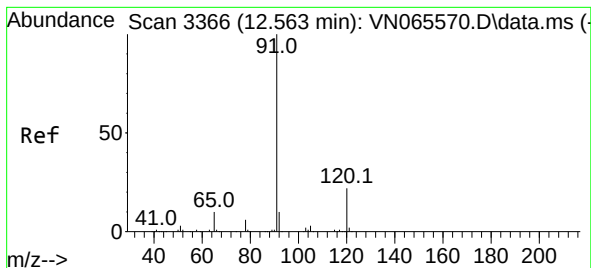
Tgt Ion: 43 Resp: 7577
Ion Ratio Lower Upper
43 100
70 1.8 34.4 51.6#
55 0.0 20.7 31.1#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 23.08 ug/l
RT: 12.373 min Scan# 3307
Delta R.T. -0.151 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 75 Resp: 70548
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

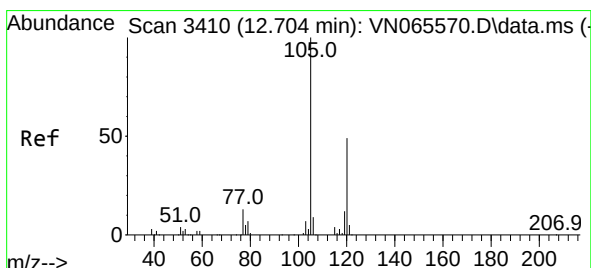
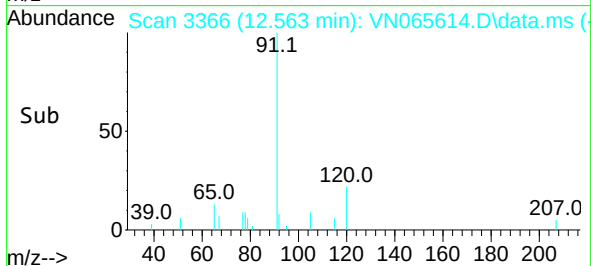
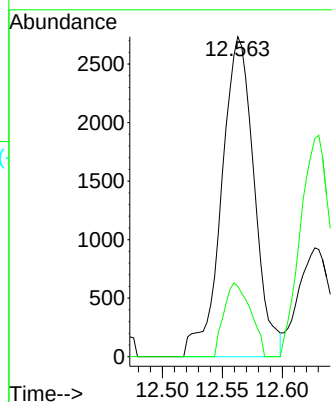
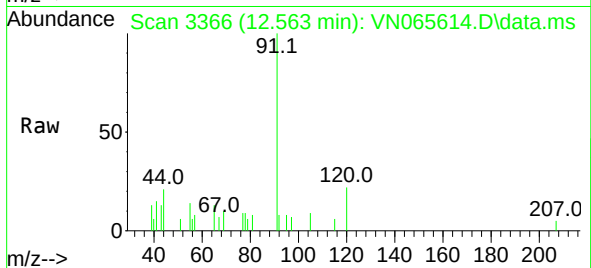




#78
n-propylbenzene
Concen: 0.43 ug/l
RT: 12.563 min Scan# 3366
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

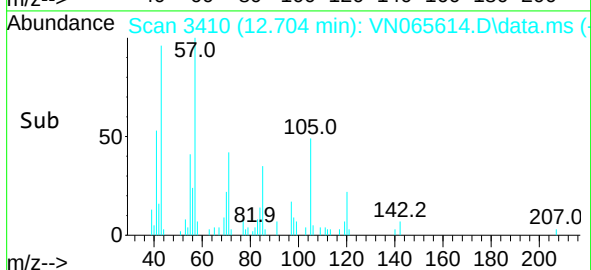
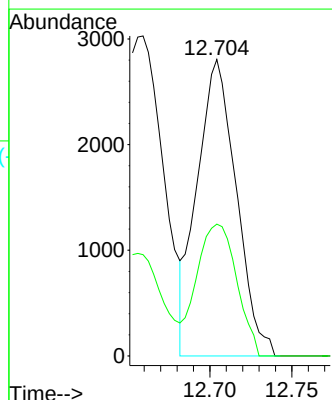
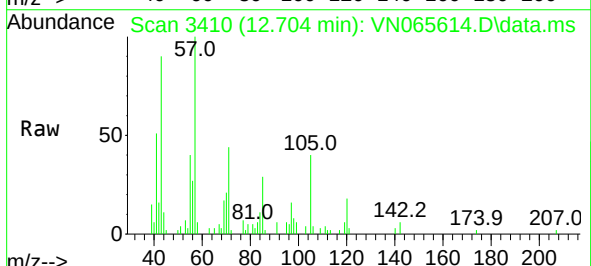
Instrument :
MSVOA_N
ClientSampleId :

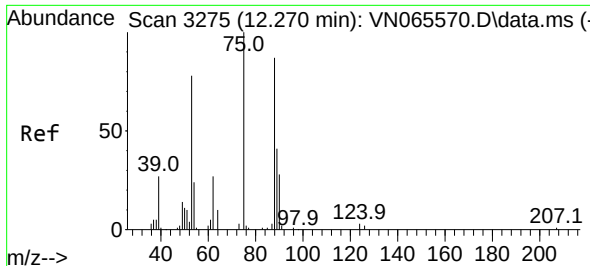
Tgt Ion: 91 Resp: 5172
Ion Ratio Lower Upper
91 100
120 18.8 11.8 35.3



#80
1,3,5-Trimethylbenzene
Concen: 0.53 ug/l
RT: 12.704 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

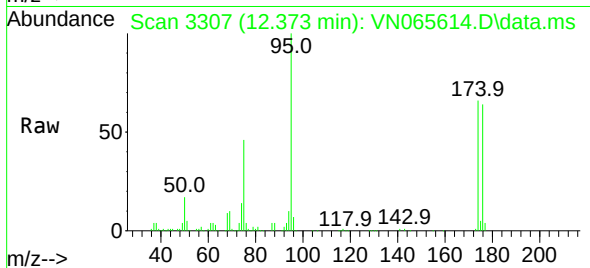
Tgt Ion: 105 Resp: 4661
Ion Ratio Lower Upper
105 100
120 45.4 24.3 72.8



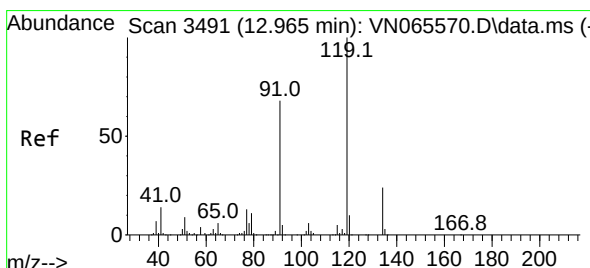
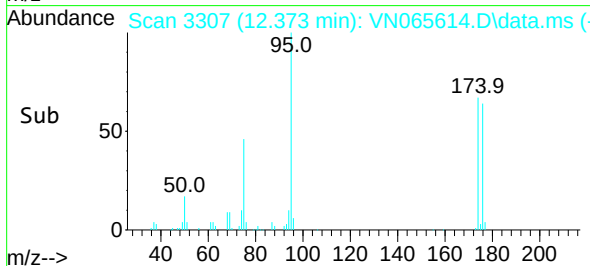
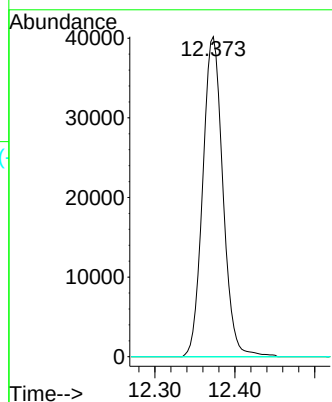


#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.11 ug/l
 RT: 12.373 min Scan# 3307
 Delta R.T. 0.103 min
 Lab File: VN065614.D
 Acq: 26 Jan 2021 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

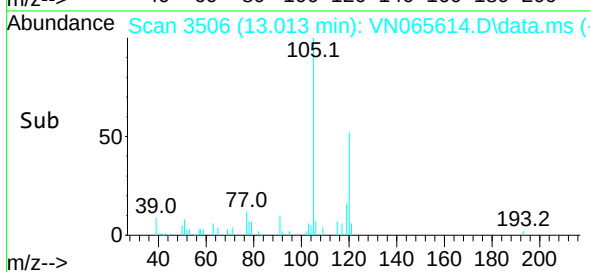
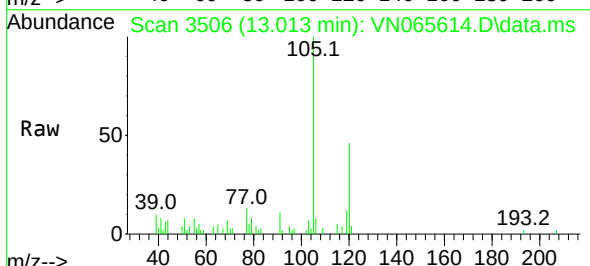
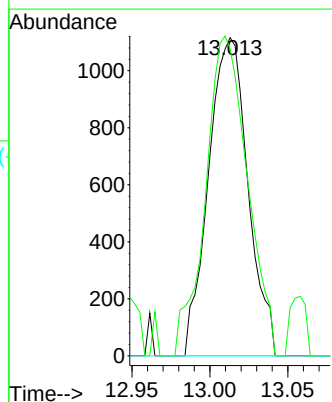


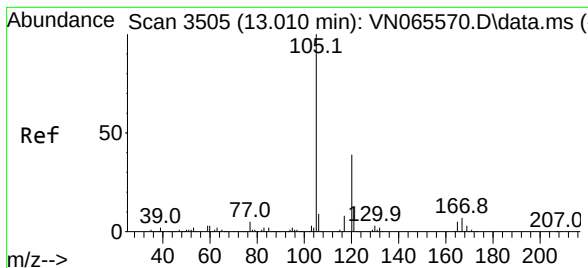
Tgt Ion: 75 Resp: 70548
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 111.8#
 89 0.0 35.8 53.8#



#83
 tert-Butylbenzene
 Concen: 0.27 ug/l
 RT: 13.013 min Scan# 3506
 Delta R.T. 0.048 min
 Lab File: VN065614.D
 Acq: 26 Jan 2021 19:18

Tgt Ion: 119 Resp: 1969
 Ion Ratio Lower Upper
 119 100
 91 106.5 33.0 98.9#
 134 0.0 12.7 38.1#

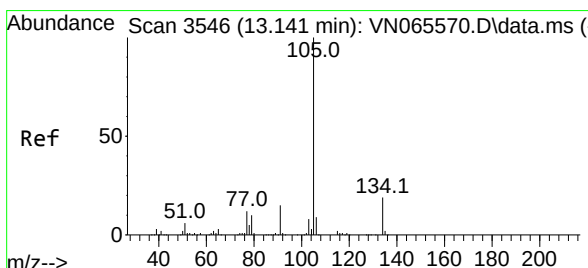
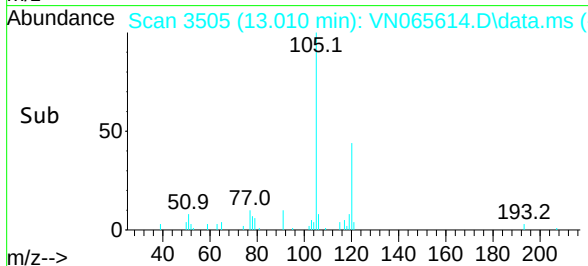
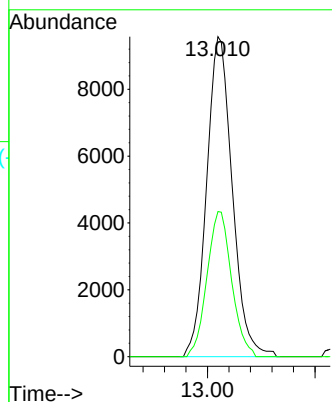
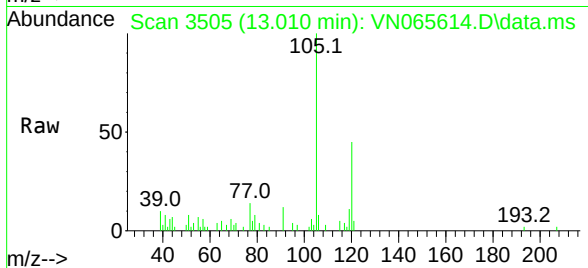




#84
1,2,4-Trimethylbenzene
Concen: 1.82 ug/l
RT: 13.010 min Scan# 3505
Delta R.T. -0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

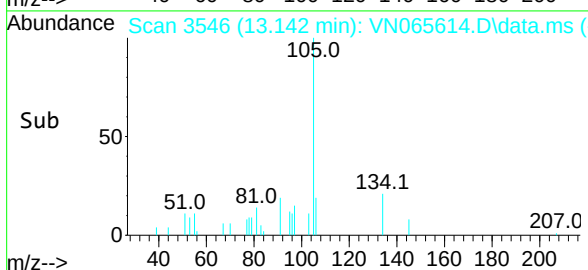
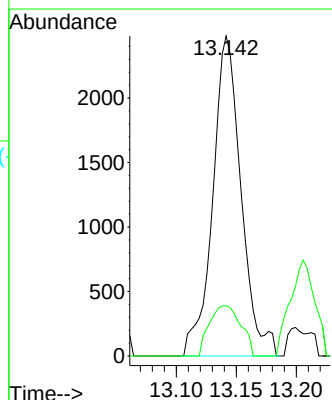
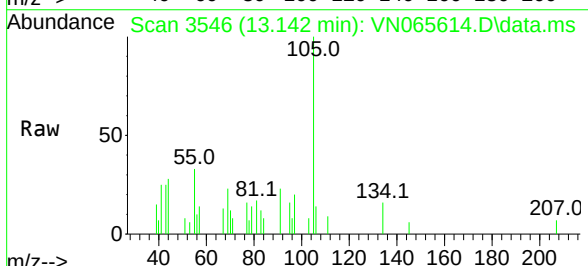
Instrument :
MSVOA_N
ClientSampleId :

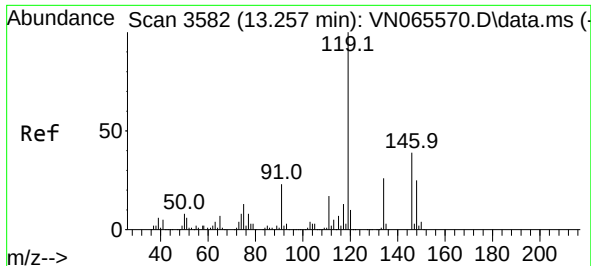
Tgt Ion:105 Resp: 15817
Ion Ratio Lower Upper
105 100
120 43.5 22.4 67.0



#85
sec-Butylbenzene
Concen: 0.41 ug/l
RT: 13.142 min Scan# 3546
Delta R.T. 0.001 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion:105 Resp: 4065
Ion Ratio Lower Upper
105 100
134 17.5 10.0 30.0

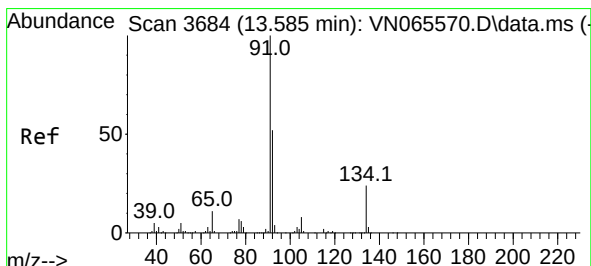
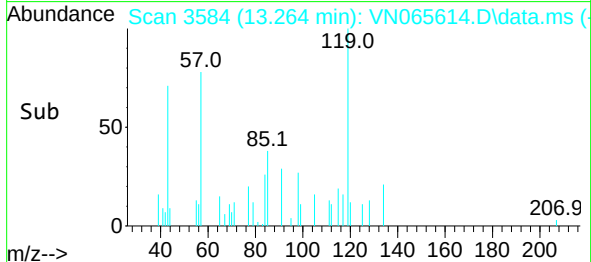
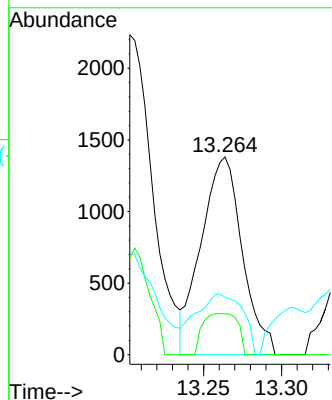
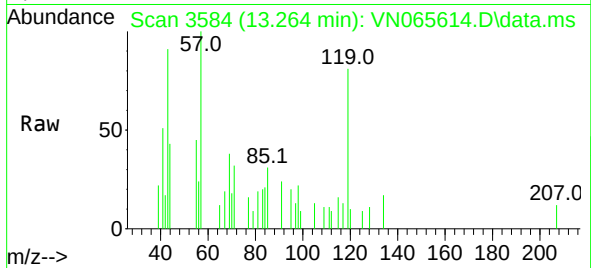




#86
p-Isopropyltoluene
Concen: 0.29 ug/l
RT: 13.264 min Scan# 3584
Delta R.T. 0.007 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

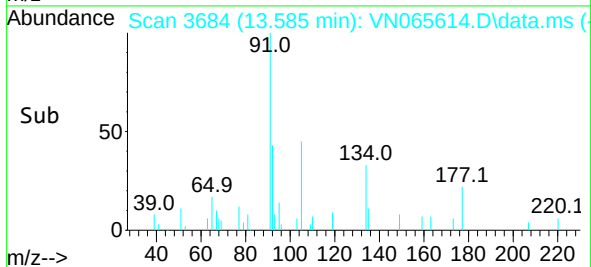
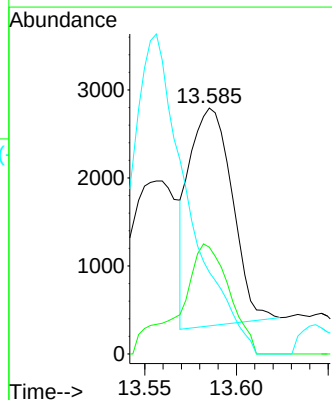
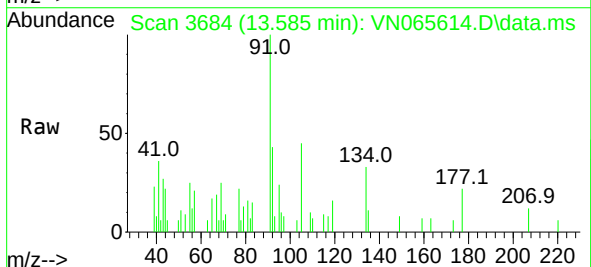
Instrument :
MSVOA_N
ClientSampleId :

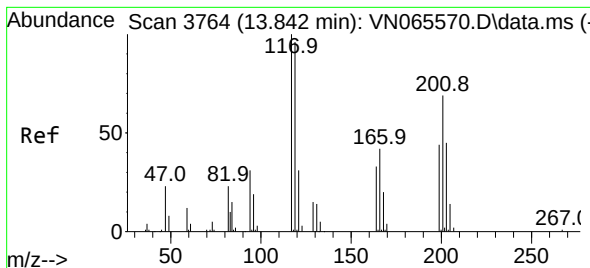
Tgt Ion:119 Resp: 2540
Ion Ratio Lower Upper
119 100
134 17.4 13.3 39.8
91 35.2 11.8 35.3



#89
n-Butylbenzene
Concen: 0.51 ug/l
RT: 13.585 min Scan# 3684
Delta R.T. 0.000 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Tgt Ion: 91 Resp: 4004
Ion Ratio Lower Upper
91 100
92 59.2 26.1 78.3
134 0.0 13.0 38.9#

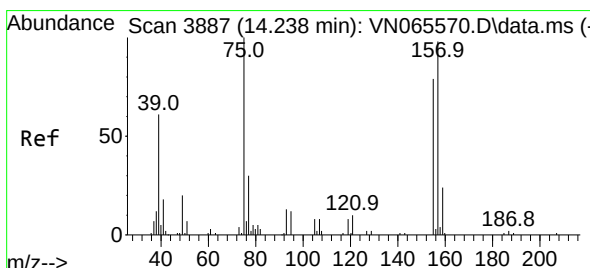
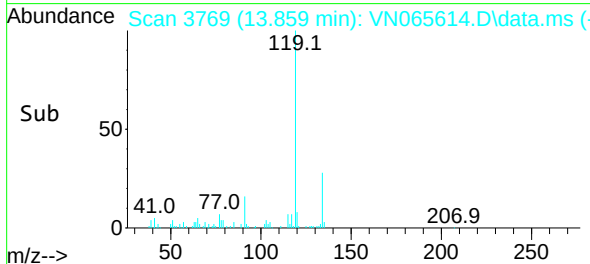
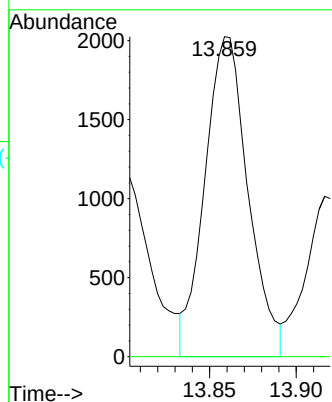
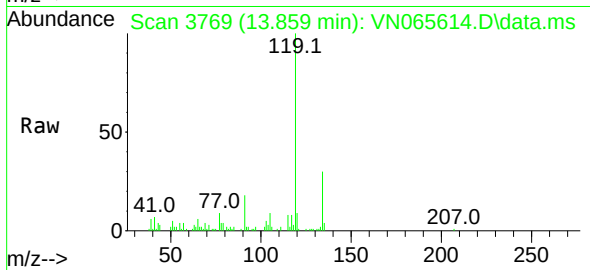




#90
Hexachloroethane
Concen: 2.32 ug/l
RT: 13.859 min Scan# 3769
Delta R.T. 0.017 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

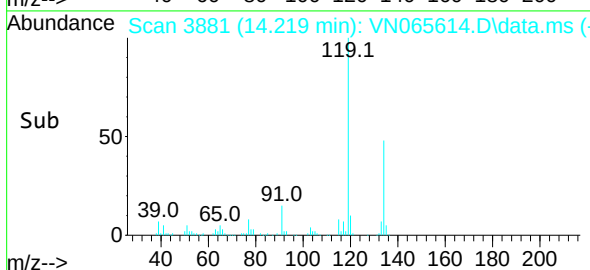
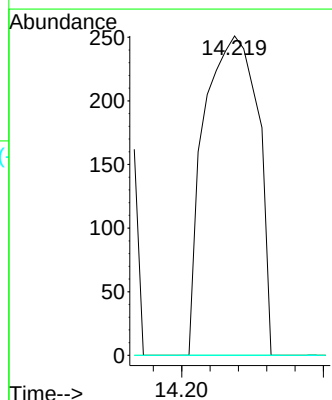
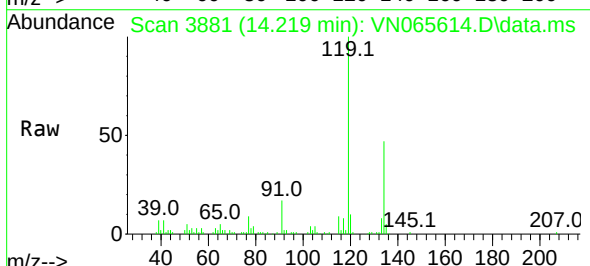
Instrument :
MSVOA_N
ClientSampleId :

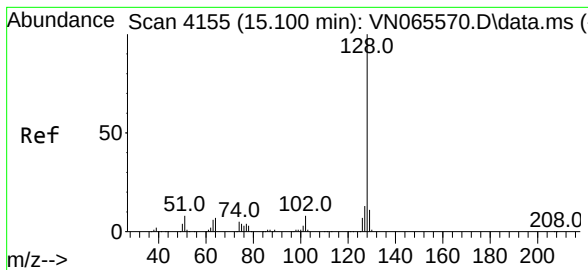
Tgt Ion:117 Resp: 3516
Ion Ratio Lower Upper
117 100
201 0.0 37.8 113.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.55 ug/l
RT: 14.219 min Scan# 3881
Delta R.T. -0.019 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

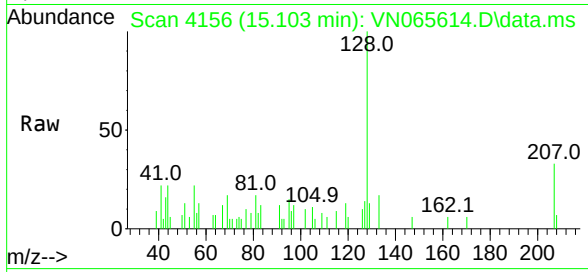
Tgt Ion: 75 Resp: 330
Ion Ratio Lower Upper
75 100
155 0.0 44.1 132.4#
157 0.0 56.0 168.2#





#95
Naphthalene
Concen: 4.27 ug/l
RT: 15.103 min Scan# 4156
Delta R.T. 0.003 min
Lab File: VN065614.D
Acq: 26 Jan 2021 19:18

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 6644
Ion Ratio Lower Upper
128 100
127 11.6 10.2 15.2
129 13.1 8.6 13.0#

