

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043021\
 Data File : VN066913.D
 Acq On : 30 Apr 2021 16:30
 Operator : JC/MD
 Sample : M2222-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-COMP

Quant Time: May 01 01:47:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 27 16:02:50 2021
 Response via : Initial Calibration

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

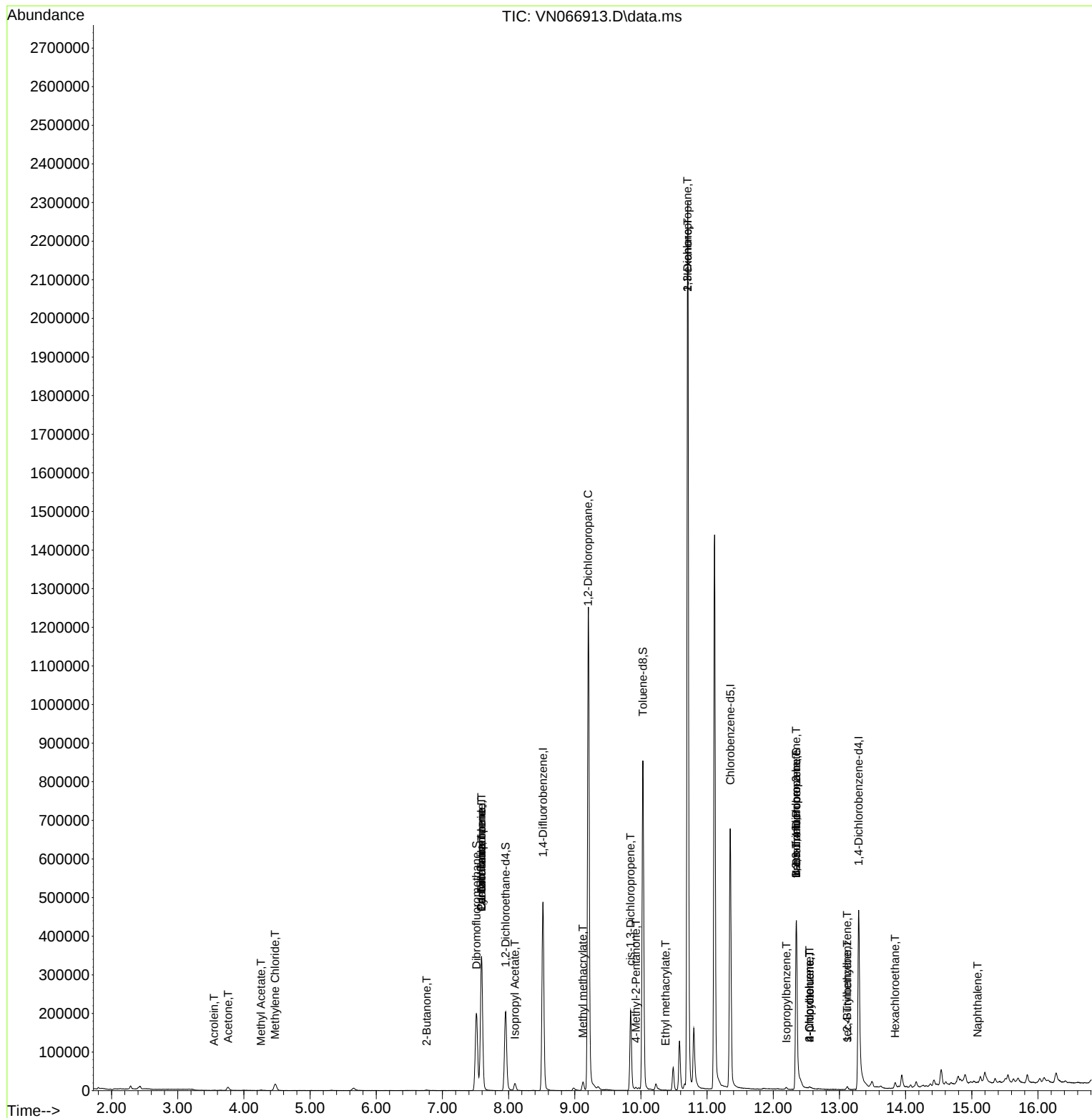
Internal Standards						
1) Pentafluorobenzene	7.591	168	315130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	473010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	442866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	186501	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	177249	43.78	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.56%		
35) Dibromofluoromethane	7.516	113	162209	55.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	111.10%		
50) Toluene-d8	10.029	98	626288	54.65	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	109.30%		
62) 4-Bromofluorobenzene	12.349	95	195032	50.30	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.60%		
Target Compounds					Qvalue	
13) Acrolein	3.549	56	510	0.98	ug/l #	33
16) Acetone	3.761	43	14894	9.75	ug/l	98
18) Methyl Acetate	4.257	43	2281	1.66	ug/l #	70
20) Methylene Chloride	4.472	84	14390	3.72	ug/l	92
25) 2-Butanone	6.762	43	1561	0.73	ug/l	98
31) Cyclohexane	7.591	56	4705	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	19282	4.39	ug/l #	46
38) Carbon Tetrachloride	7.591	117	26174	6.21	ug/l #	16
43) Isopropyl Acetate	8.095	43	22790	3.07	ug/l #	92
45) 1,2-Dichloropropane	9.200	63	1667	0.46	ug/l #	44
48) Methyl methacrylate	9.122	41	5356	1.66	ug/l #	10
51) 4-Methyl-2-Pentanone	9.924	43	4758	1.18	ug/l	99
54) cis-1,3-Dichloropropene	9.844	75	43847	7.85	ug/l #	57
56) Ethyl methacrylate	10.372	69	82	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	26009	4.82	ug/l #	43
59) 2-Hexanone	10.707	43	302953	107.57	ug/l #	53
71) Bromoform	12.346	173	1202	0.50	ug/l #	1
73) Isopropylbenzene	12.196	105	3984	0.29	ug/l	97
76) 1,2,3-Trichloropropane	12.346	75	88034	22.40	ug/l #	100
78) n-propylbenzene	12.547	91	6463	0.43	ug/l	85
79) 2-Chlorotoluene	12.547	91	6463	0.67	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.346	75	88034	60.79	ug/l #	12
82) 4-Chlorotoluene	12.547	91	6463	0.70	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.118	105	5288	0.49	ug/l #	31
85) sec-Butylbenzene	13.118	105	5288	0.41	ug/l	80
90) Hexachloroethane	13.840	117	1516	0.66	ug/l #	12
95) Naphthalene	15.087	128	2202	0.27	ug/l #	85

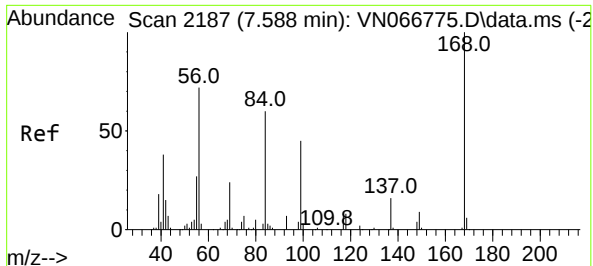
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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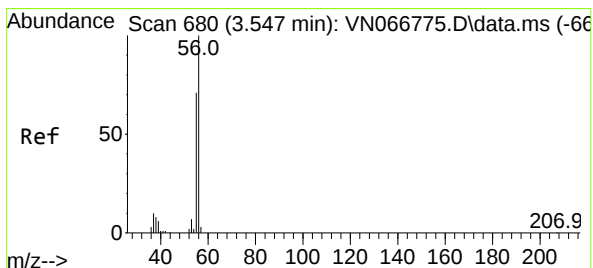
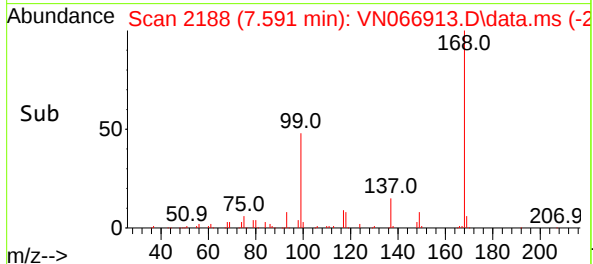
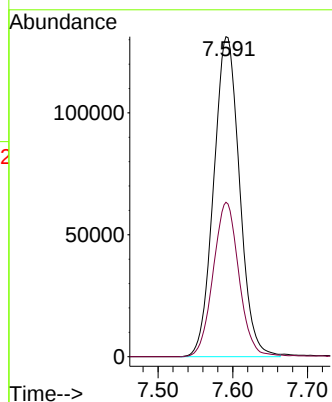
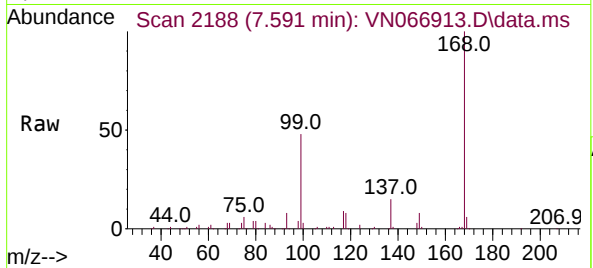




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

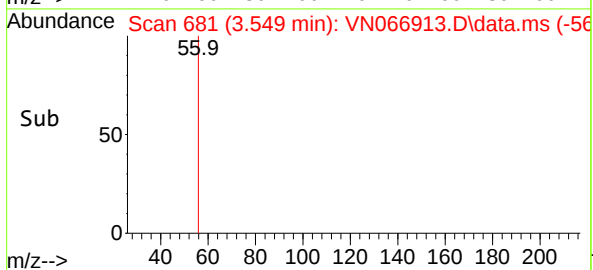
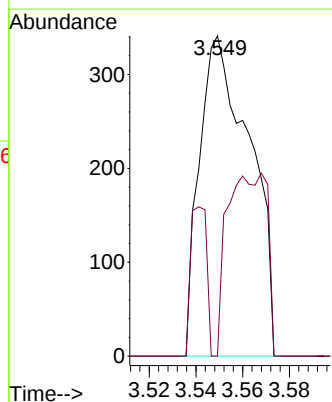
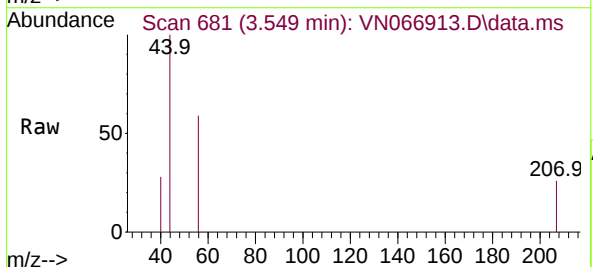
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

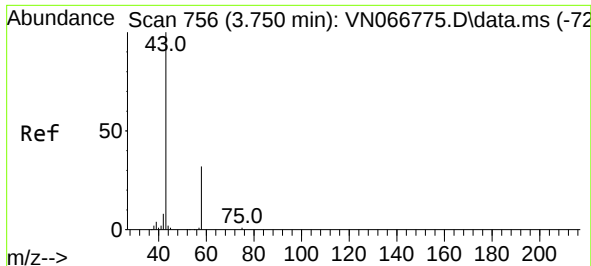
Tgt Ion:168 Resp: 315130
Ion Ratio Lower Upper
168 100
99 48.3 42.6 63.8



#13
Acrolein
Concen: 0.98 ug/l
RT: 3.549 min Scan# 681
Delta R.T. 0.002 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 56 Resp: 510
Ion Ratio Lower Upper
56 100
55 14.9 56.0 84.0#

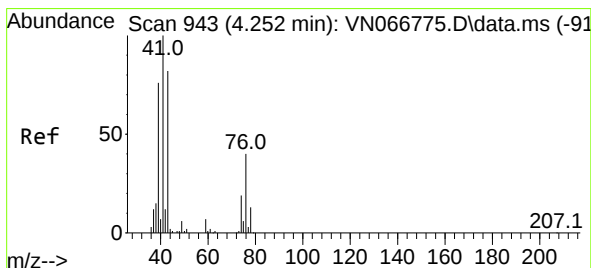
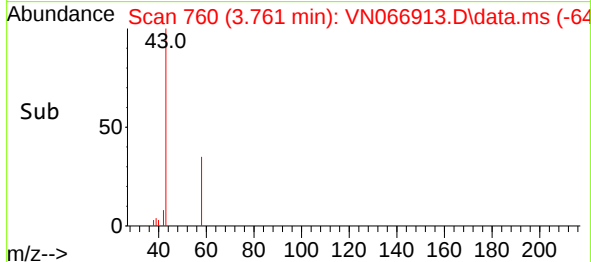
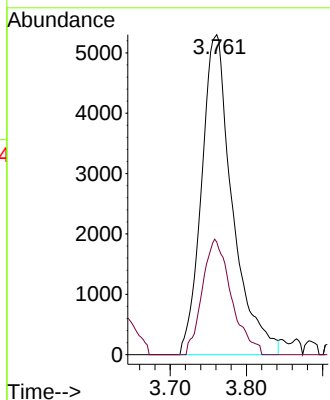
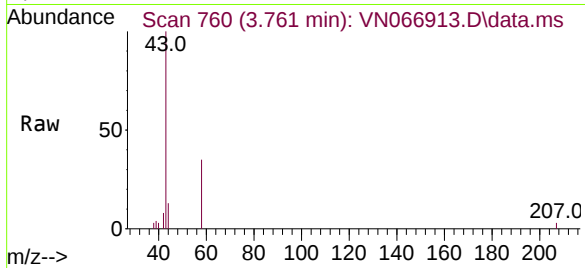




#16
Acetone
Concen: 9.75 ug/l
RT: 3.761 min Scan# 760
Delta R.T. 0.011 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

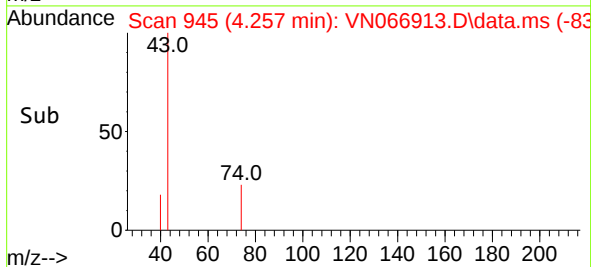
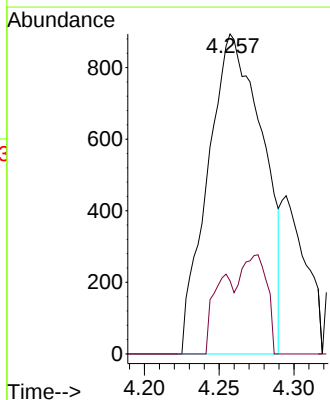
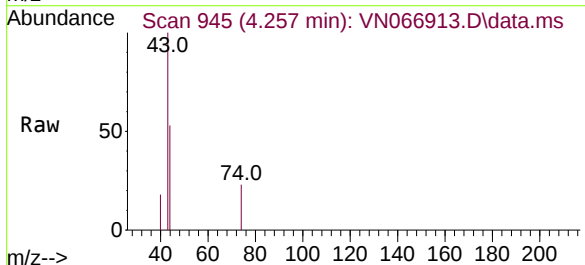
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

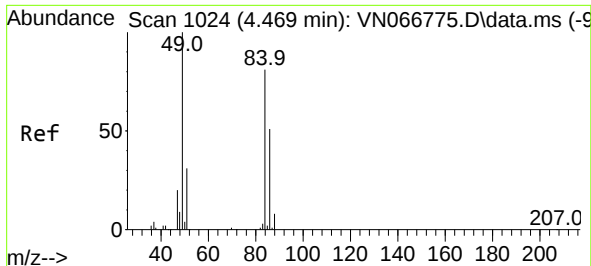
Tgt Ion: 43 Resp: 14894
Ion Ratio Lower Upper
43 100
58 35.2 27.0 40.6



#18
Methyl Acetate
Concen: 1.66 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 43 Resp: 2281
Ion Ratio Lower Upper
43 100
74 9.3 19.5 29.3#

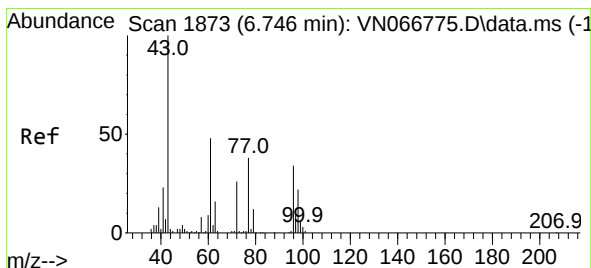
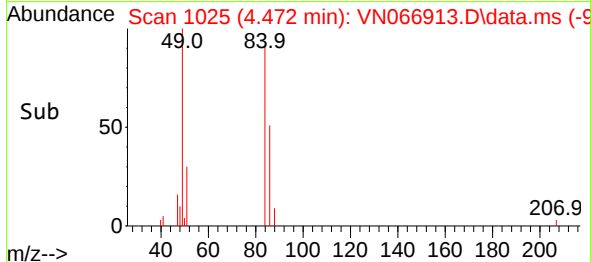
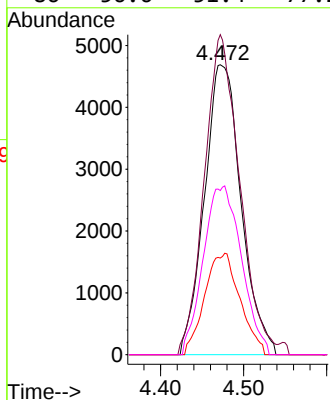
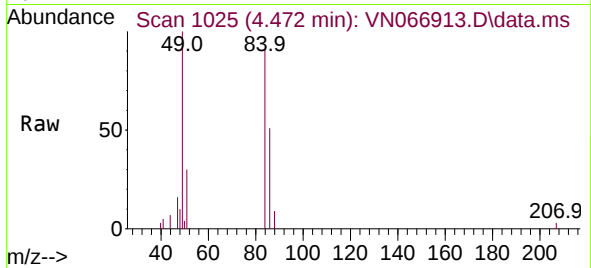




#20
Methylene Chloride
Concen: 3.72 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

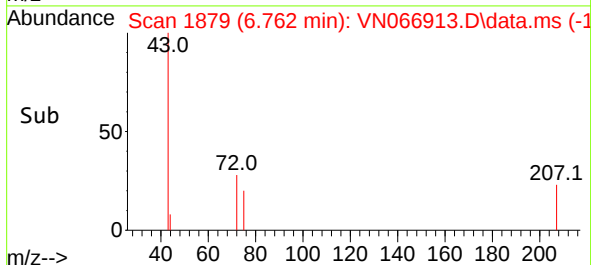
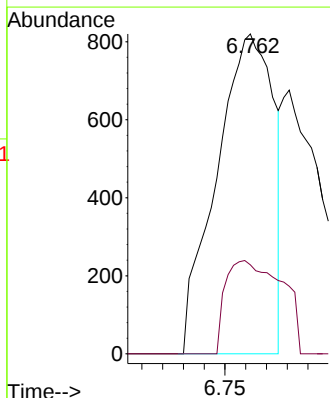
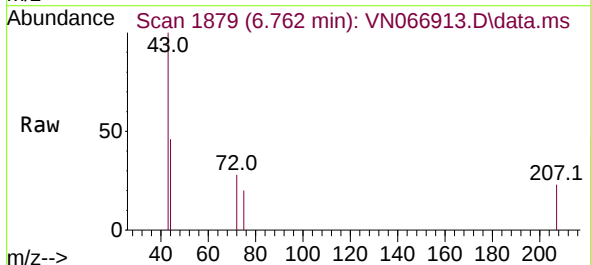
Instrument :
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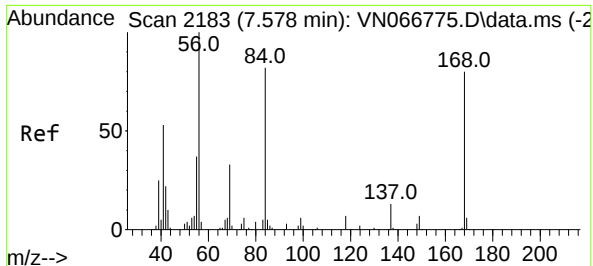
Tgt Ion:	84	Resp:	14390
Ion	Ratio	Lower	Upper
84	100		
49	110.4	94.6	141.8
51	33.3	29.9	44.9
86	56.6	51.4	77.2



#25
2-Butanone
Concen: 0.73 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion:	43	Resp:	1561
Ion	Ratio	Lower	Upper
43	100		
72	27.8	23.1	34.7

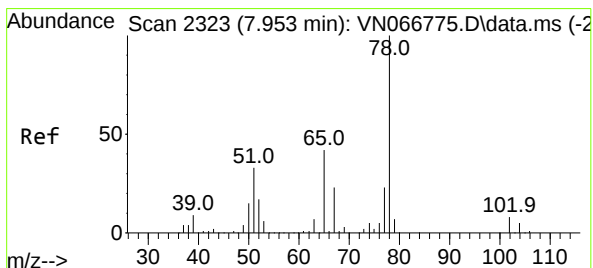
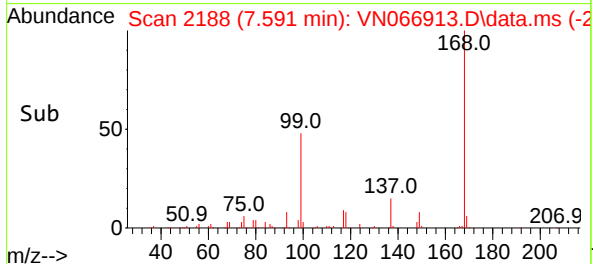
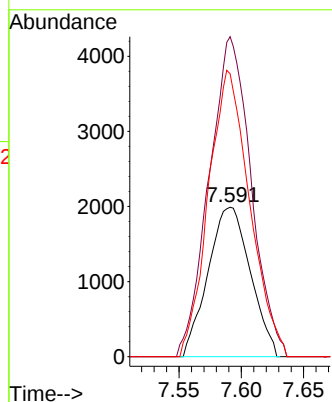
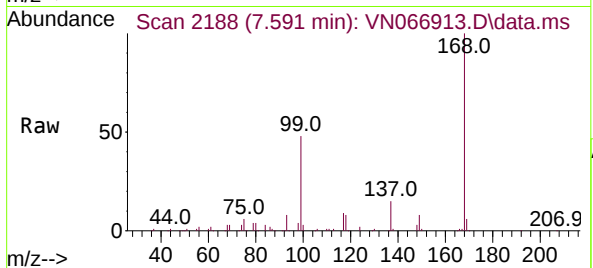




#31
Cyclohexane
Concen: 0.75 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

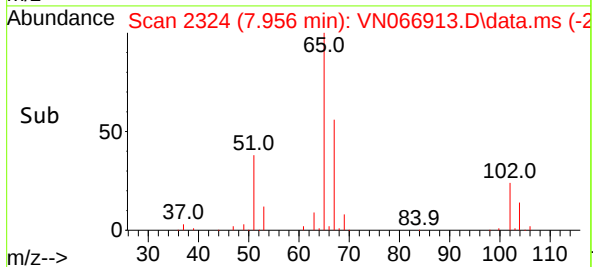
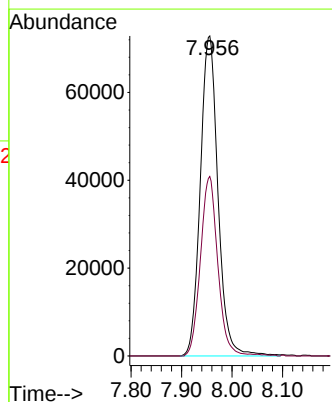
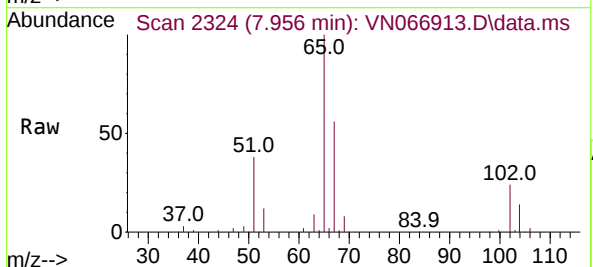
Instrument :
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ClientSampleId :
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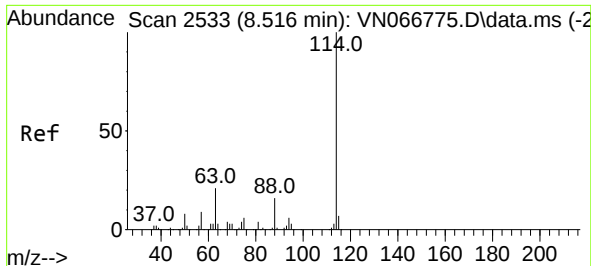
Tgt Ion: 56 Resp: 4705
Ion Ratio Lower Upper
56 100
69 205.9 26.6 39.8#
84 189.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 43.78 ug/l
RT: 7.956 min Scan# 2324
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 65 Resp: 177249
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.2

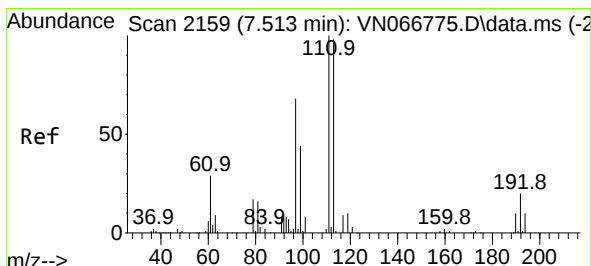
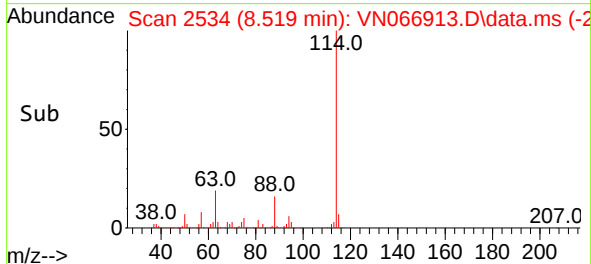
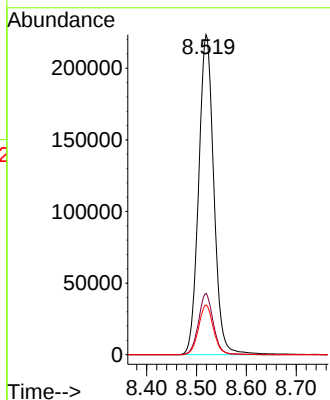
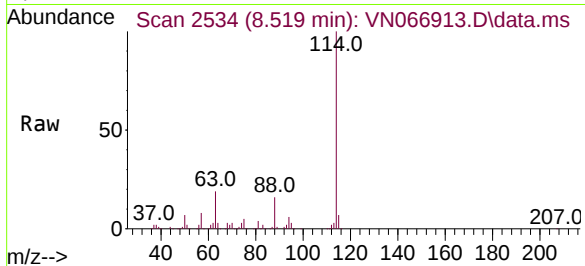




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

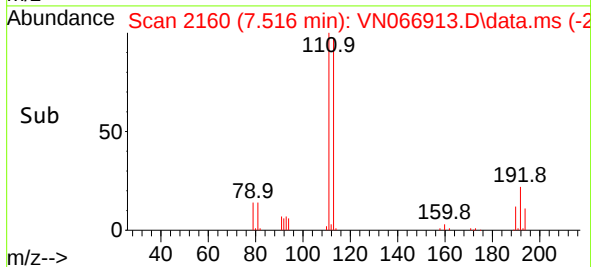
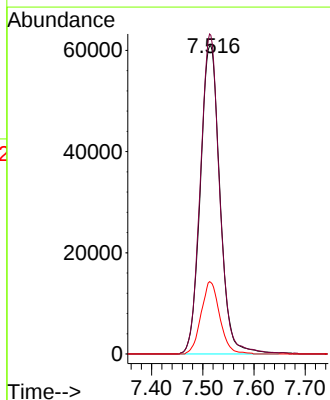
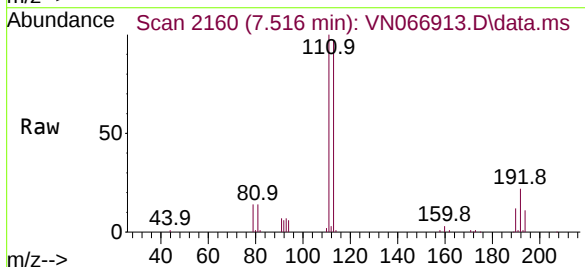
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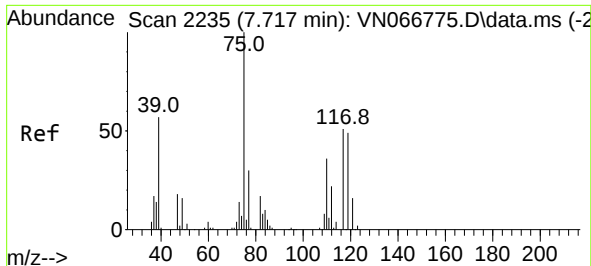
Tgt Ion:	114	Resp:	473010
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.6
88	15.5	0.0	30.6



#35
Dibromofluoromethane
Concen: 55.55 ug/l
RT: 7.516 min Scan# 2160
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion:	113	Resp:	162209
Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.2	123.2
192	22.3	15.4	23.0

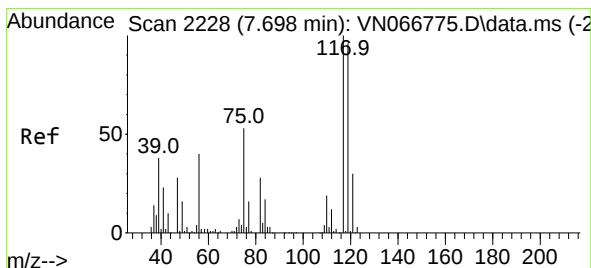
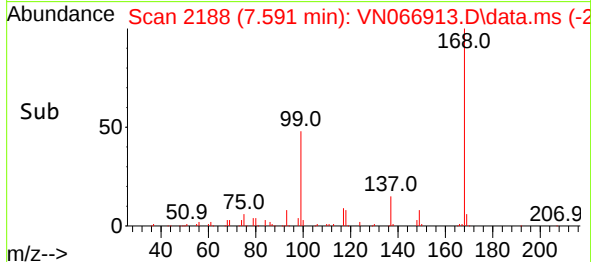
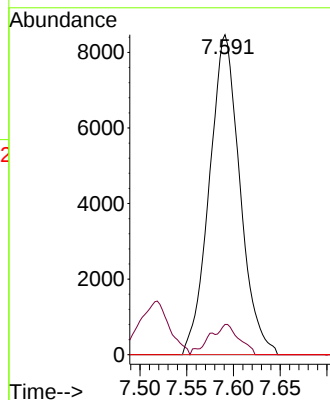
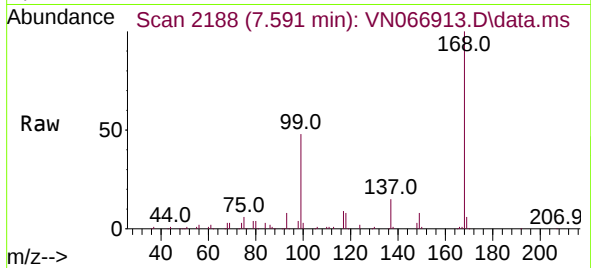




#36
1,1-Dichloropropene
Concen: 4.39 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

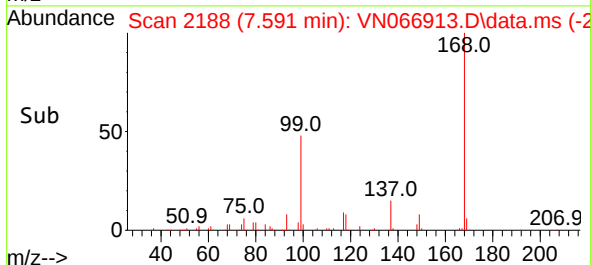
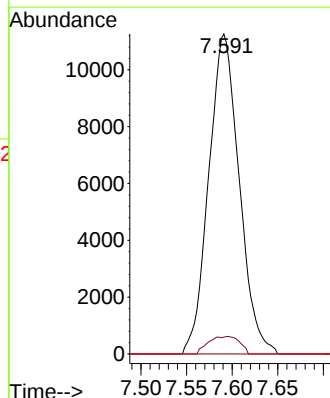
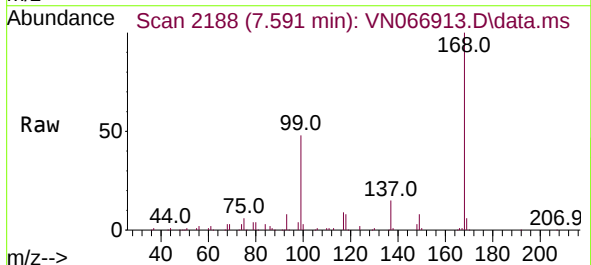
Instrument :
MSVOA_N
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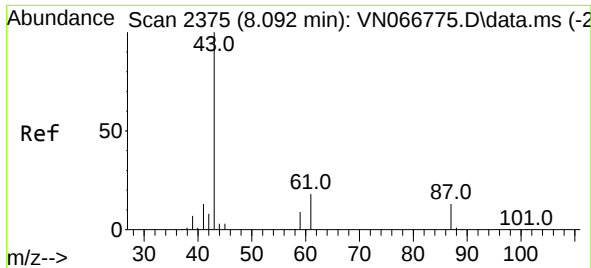
Tgt Ion: 75 Resp: 19282
Ion Ratio Lower Upper
75 100
110 5.8 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.21 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 117 Resp: 26174
Ion Ratio Lower Upper
117 100
119 5.2 76.0 114.0#
121 0.0 24.5 36.7#

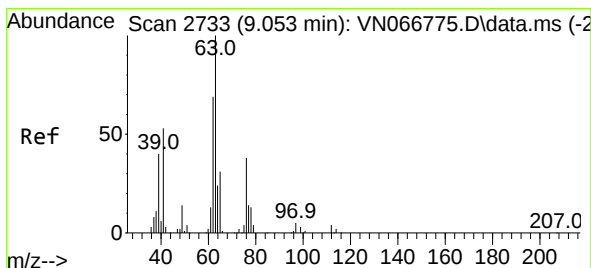
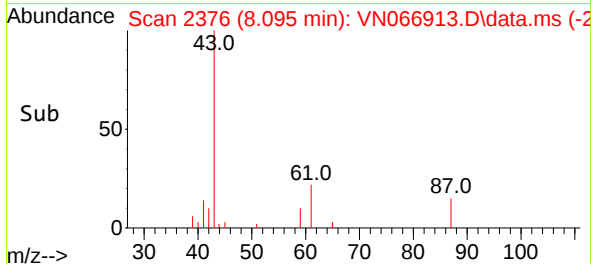
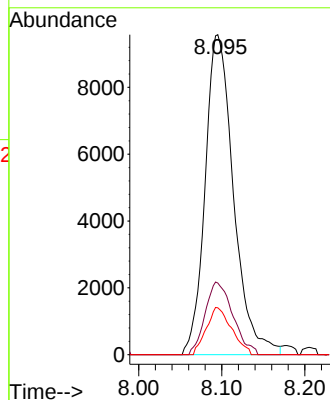
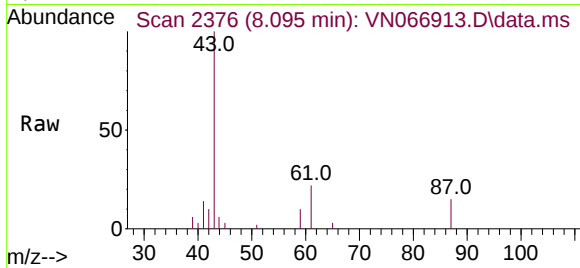




#43
Isopropyl Acetate
Concen: 3.07 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

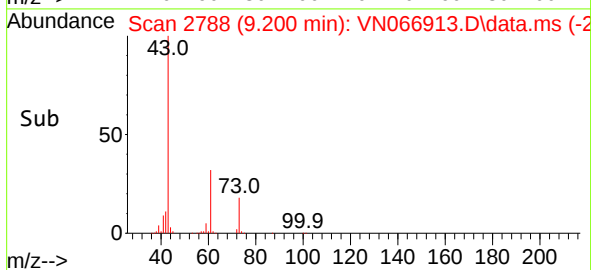
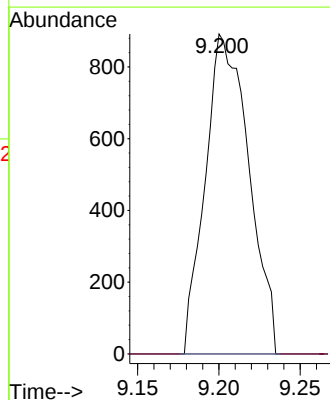
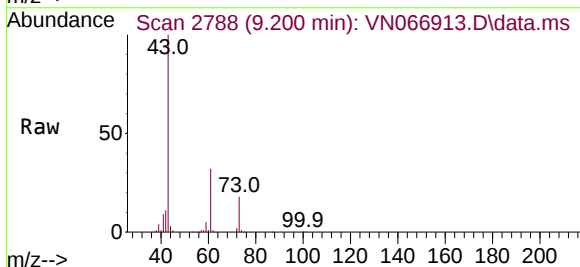
Instrument :
MSVOA_N
ClientSampleId :
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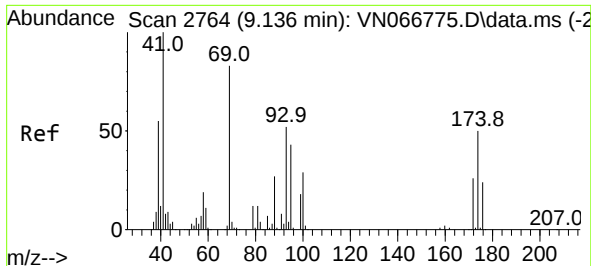
Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.1	22.5	33.7#
87	13.1	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.46 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.147 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#

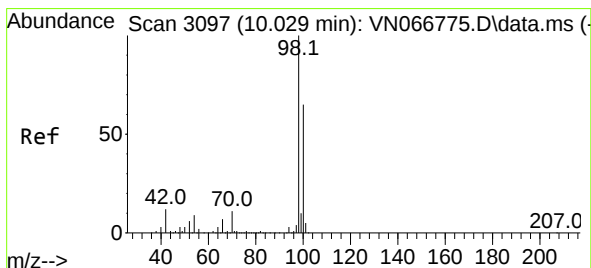
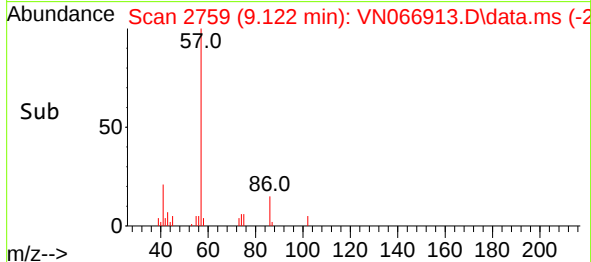
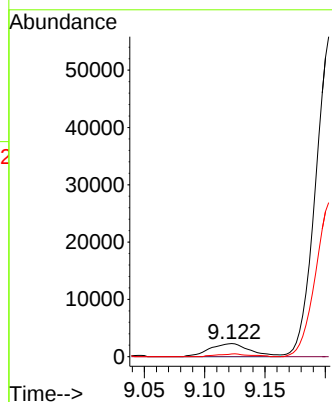
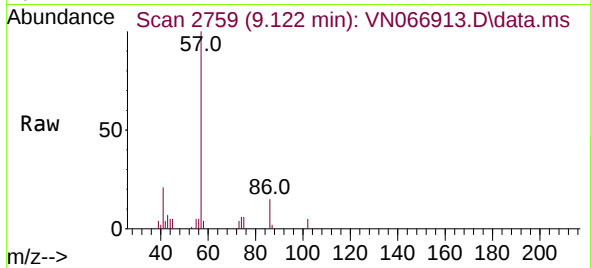




#48
Methyl methacrylate
Concen: 1.66 ug/l
RT: 9.122 min Scan# 2759
Delta R.T. -0.014 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

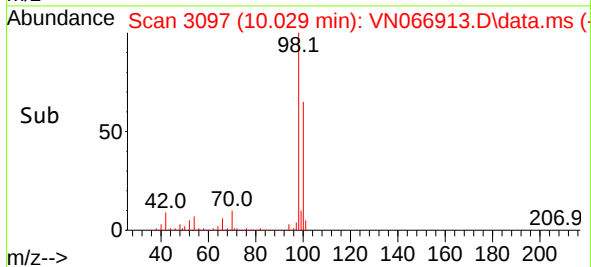
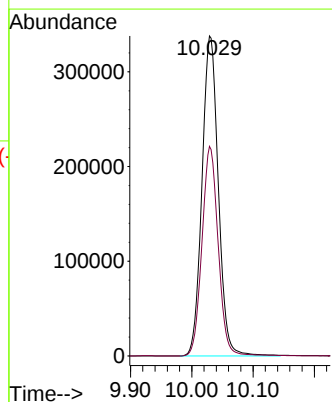
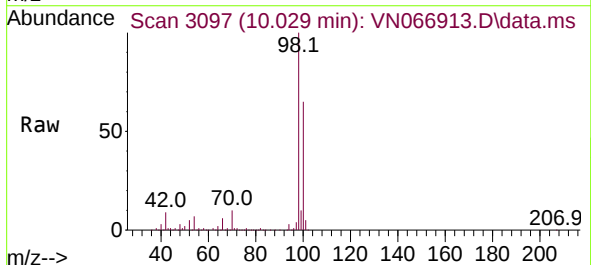
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

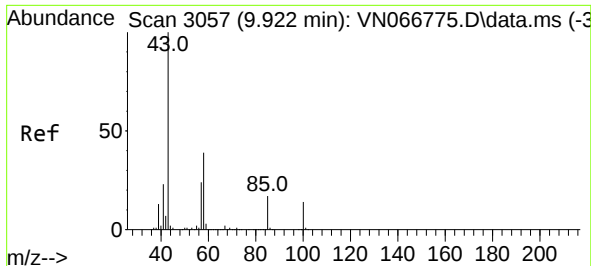
Tgt Ion: 41 Resp: 5356
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#50
Toluene-d8
Concen: 54.65 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 98 Resp: 626288
Ion Ratio Lower Upper
98 100
100 64.8 50.5 75.7

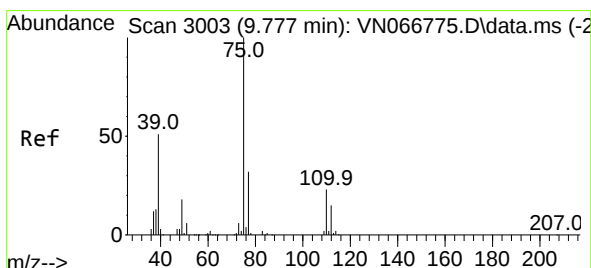
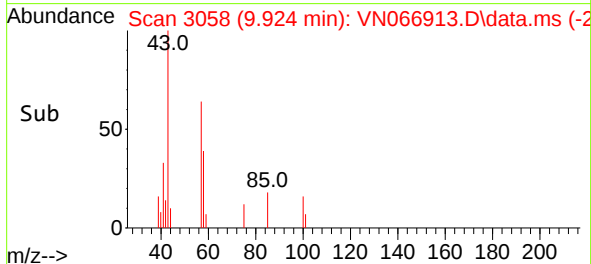
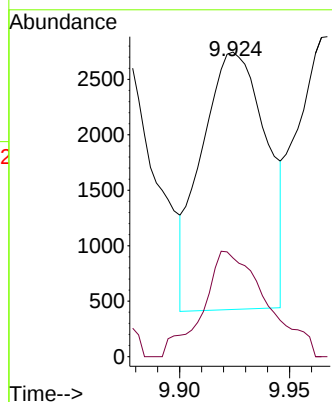
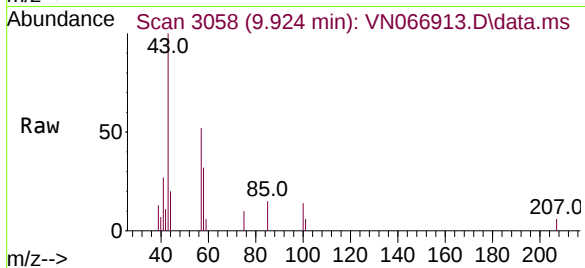




#51
4-Methyl-2-Pentanone
Concen: 1.18 ug/l
RT: 9.924 min Scan# 3058
Delta R.T. 0.002 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

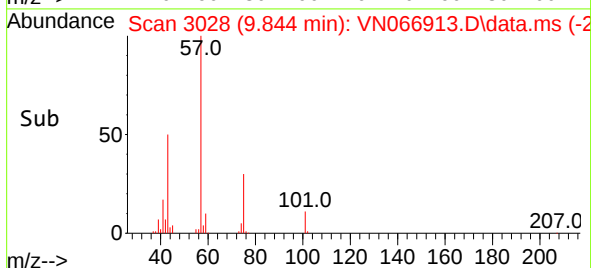
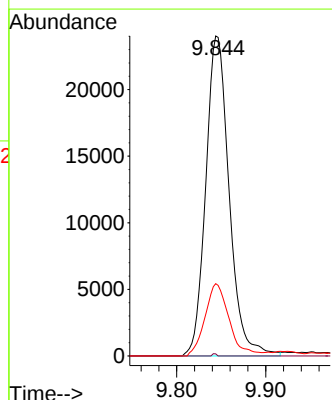
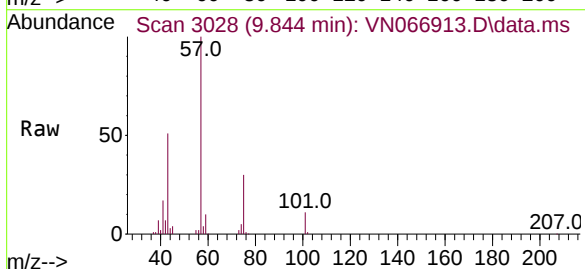
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

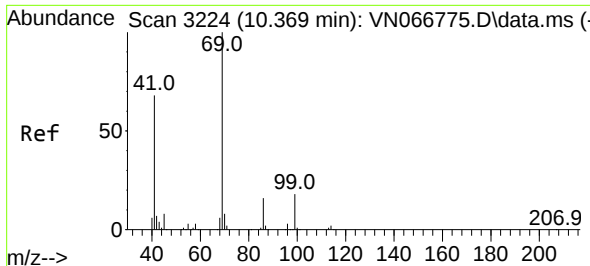
Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
58 40.1 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 7.85 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 75 Resp: 43847
Ion Ratio Lower Upper
75 100
77 0.7 24.9 37.3#
39 22.6 36.2 54.4#

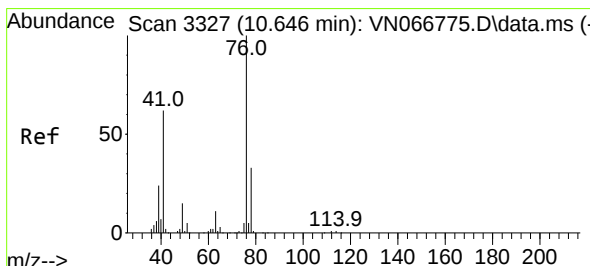
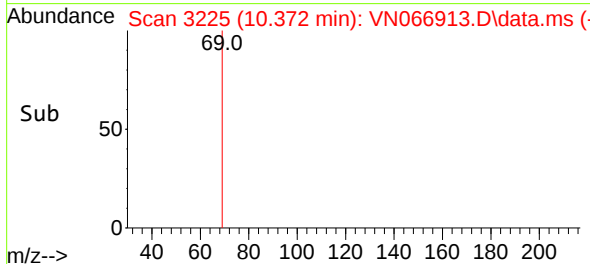
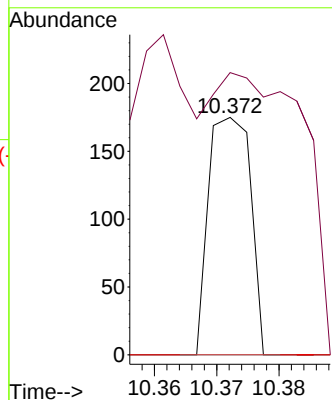
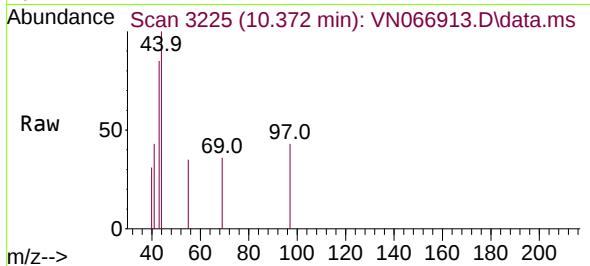




#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.372 min Scan# 3225
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

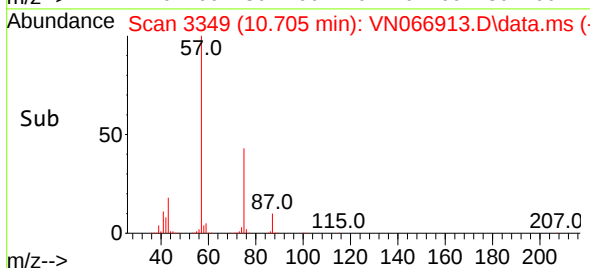
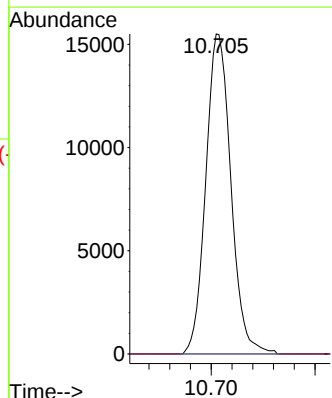
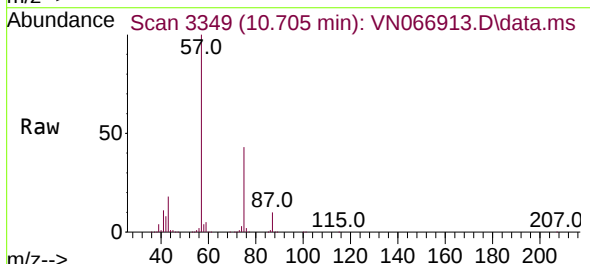
Instrument :
MSVOA_N
ClientSampleId :
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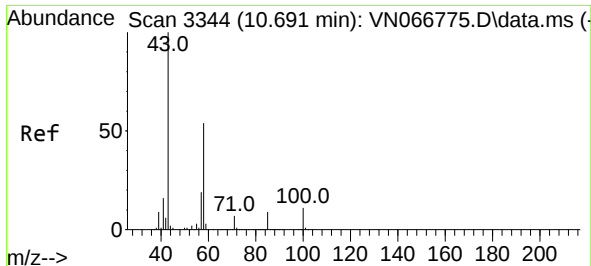
Tgt Ion: 69 Resp: 82
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.82 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 76 Resp: 26009
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

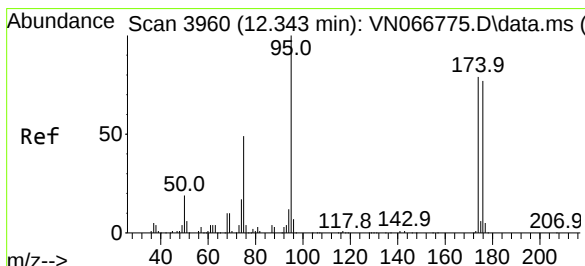
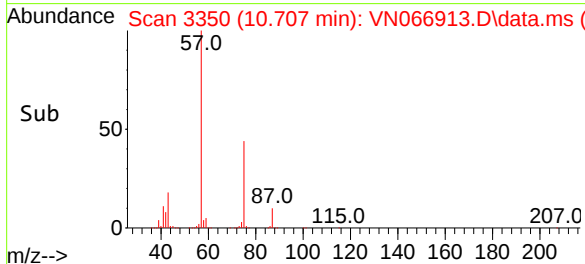
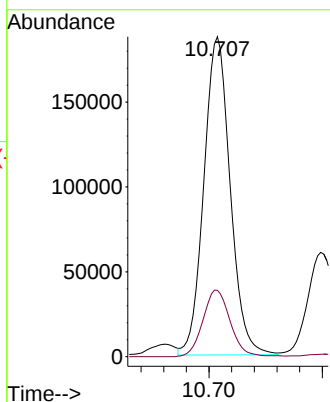
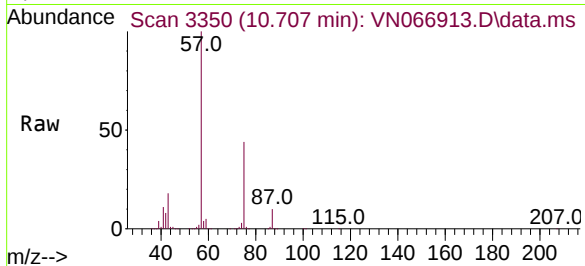




#59
2-Hexanone
Concen: 107.57 ug/l
RT: 10.707 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

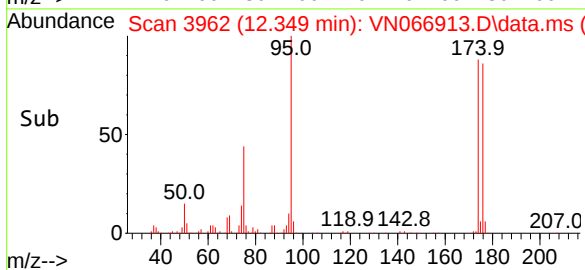
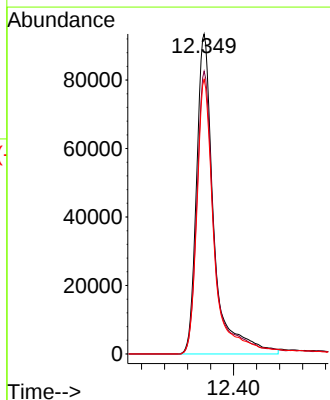
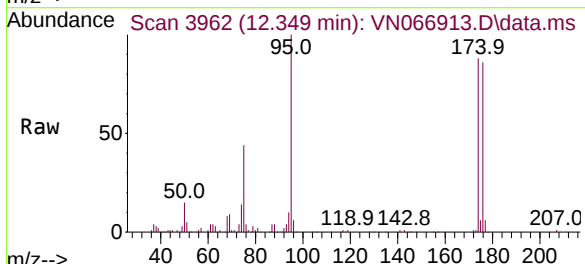
Instrument :
MSVOA_N
ClientSampleId :
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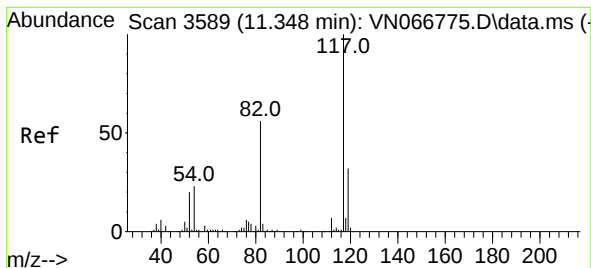
Tgt Ion: 43 Resp: 302953
Ion Ratio Lower Upper
43 100
58 21.7 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 50.30 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 95 Resp: 195032
Ion Ratio Lower Upper
95 100
174 88.4 0.0 169.0
176 85.1 0.0 162.4

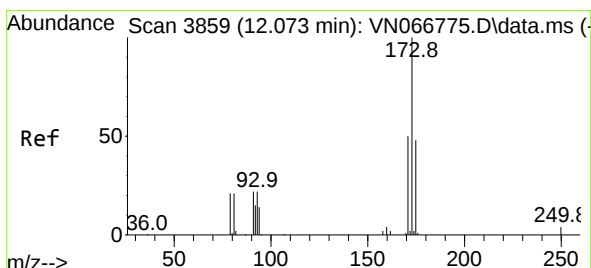
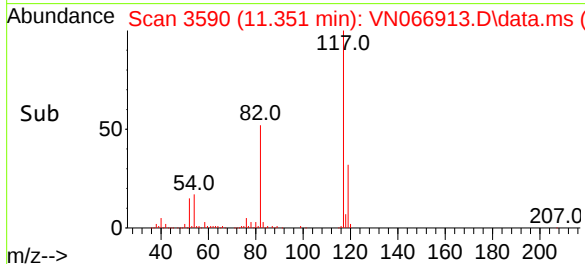
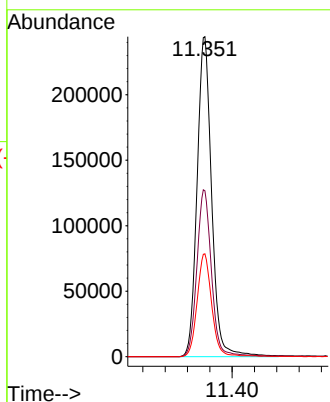
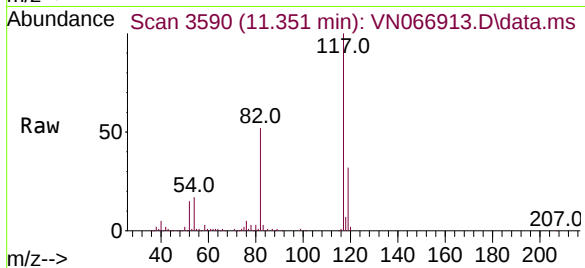




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

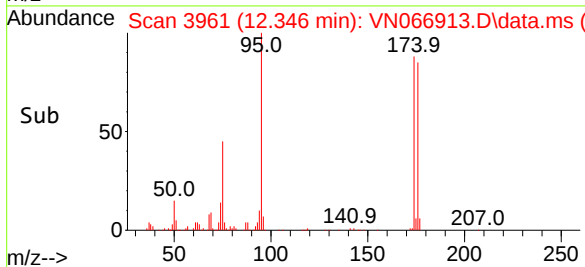
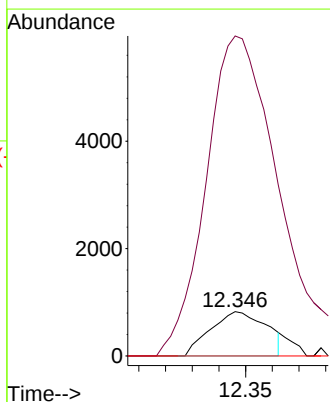
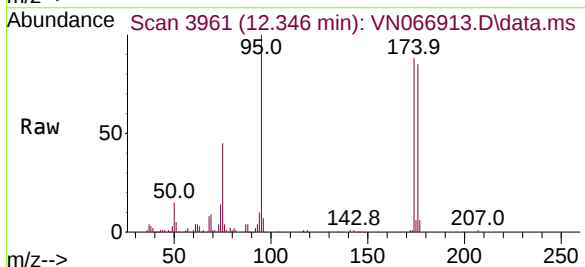
Instrument :
MSVOA_N
ClientSampleId :
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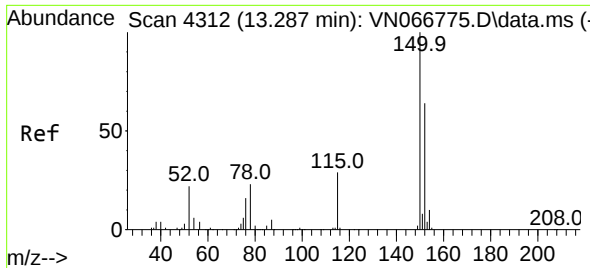
Tgt Ion:117 Resp: 442866
Ion Ratio Lower Upper
117 100
82 51.9 43.7 65.5
119 32.1 26.1 39.1



#71
Bromoform
Concen: 0.50 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.273 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion:173 Resp: 1202
Ion Ratio Lower Upper
173 100
175 792.0 23.8 71.2#
254 0.0 0.0 0.0

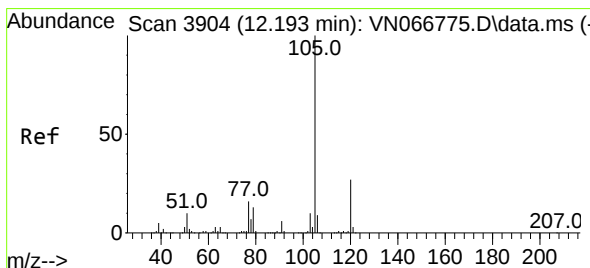
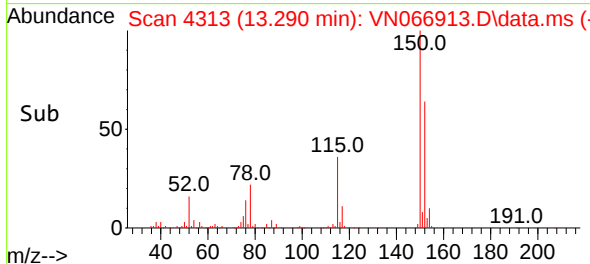
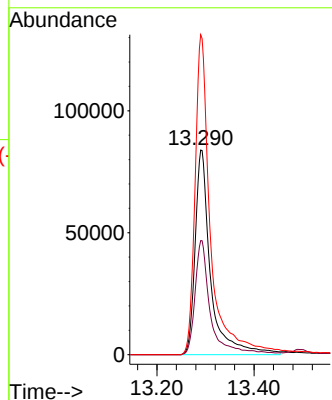
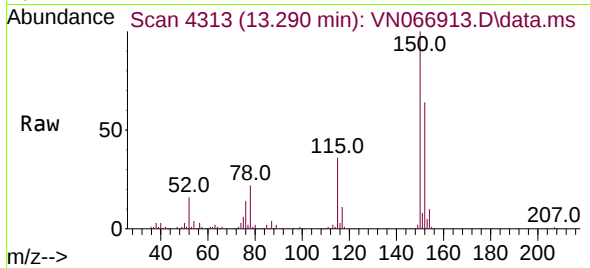




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

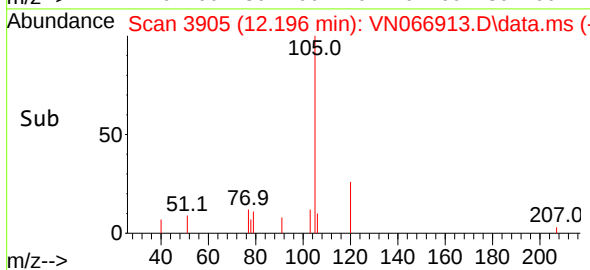
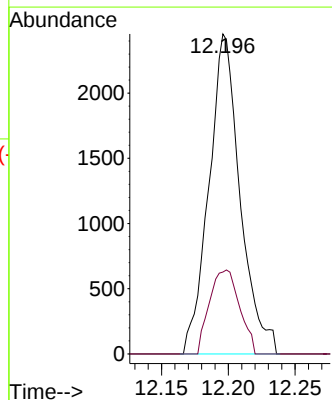
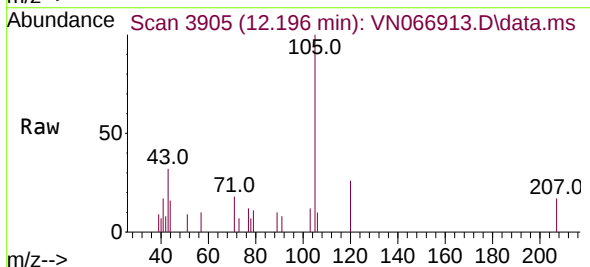
Instrument :
MSVOA_N
ClientSampleId :
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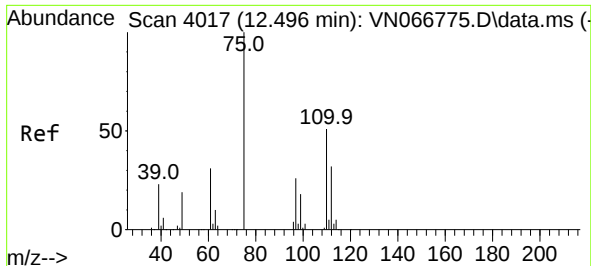
Tgt Ion:152 Resp: 186501
Ion Ratio Lower Upper
152 100
115 53.6 28.5 85.6
150 157.5 0.0 347.6



#73
Isopropylbenzene
Concen: 0.29 ug/l
RT: 12.196 min Scan# 3905
Delta R.T. 0.003 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion:105 Resp: 3984
Ion Ratio Lower Upper
105 100
120 25.3 13.3 39.9

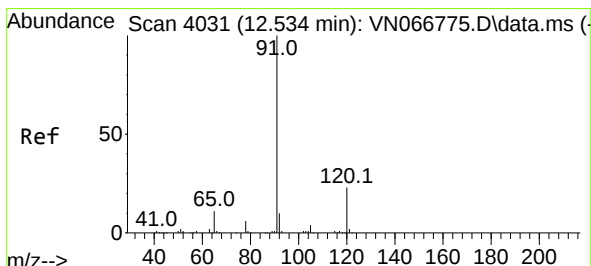
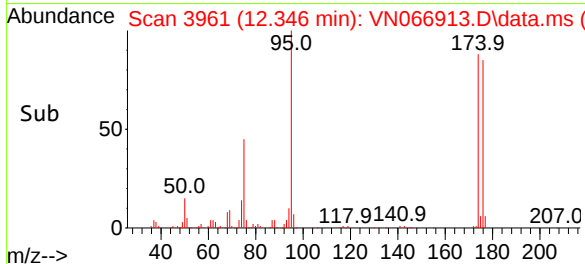
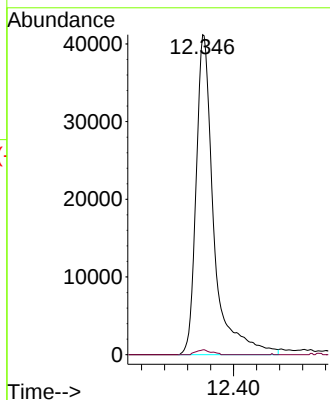
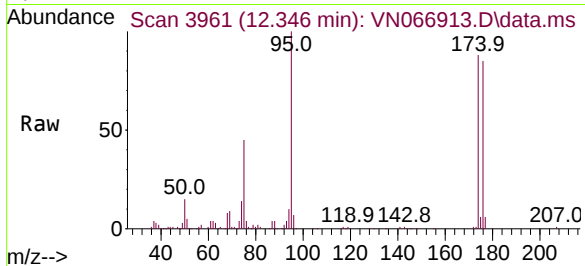




#76
1,2,3-Trichloropropane
Concen: 22.40 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

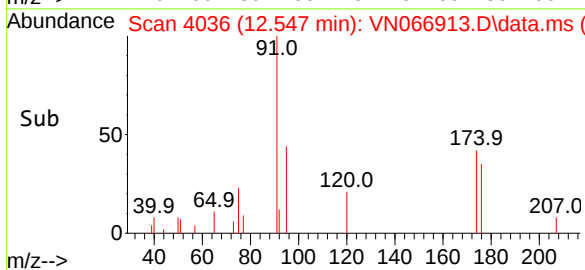
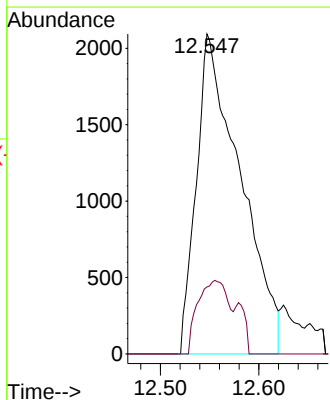
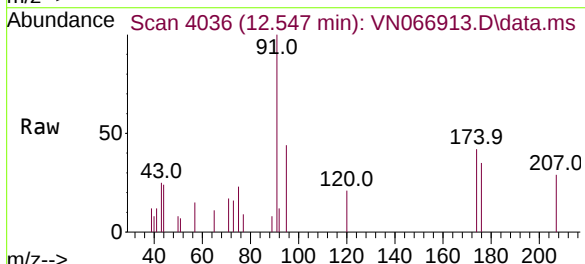
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

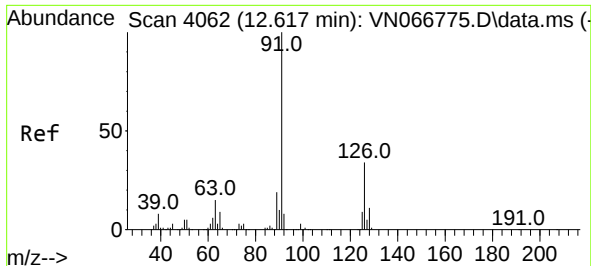
Tgt Ion: 75 Resp: 88034
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#78
n-propylbenzene
Concen: 0.43 ug/l
RT: 12.547 min Scan# 4036
Delta R.T. 0.013 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 91 Resp: 6463
Ion Ratio Lower Upper
91 100
120 16.1 11.8 35.3

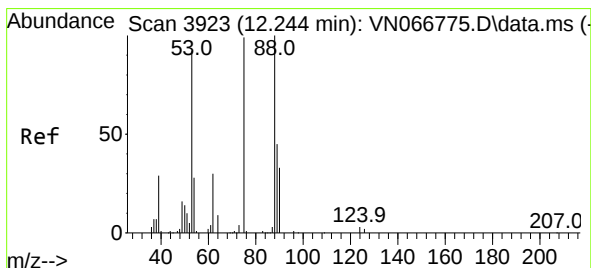
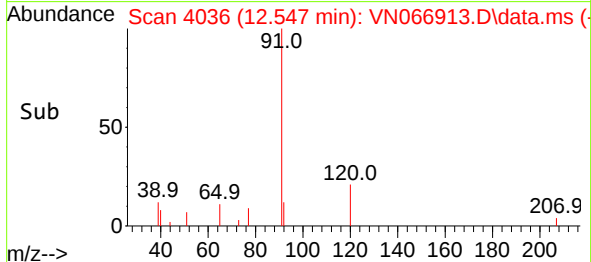
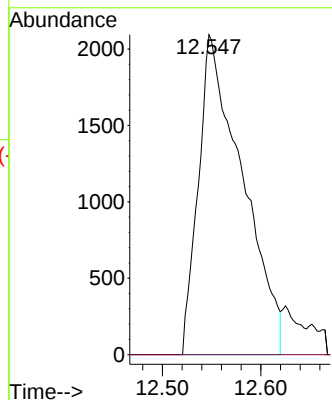
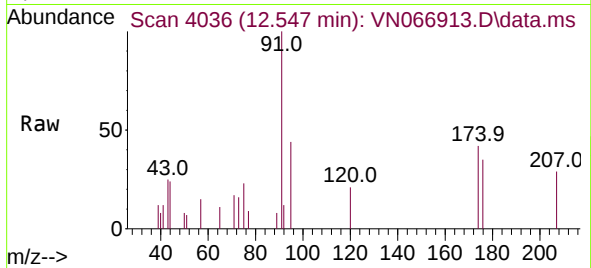




#79
2-Chlorotoluene
Concen: 0.67 ug/l
RT: 12.547 min Scan# 4036
Delta R.T. -0.070 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

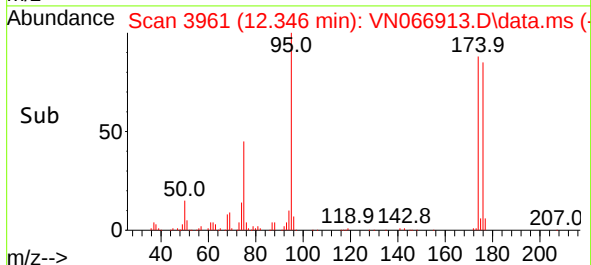
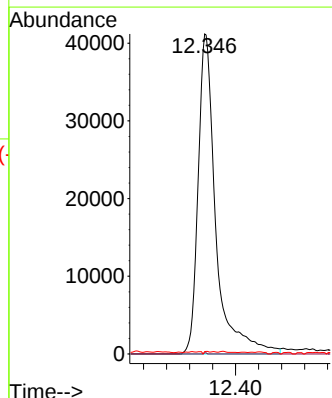
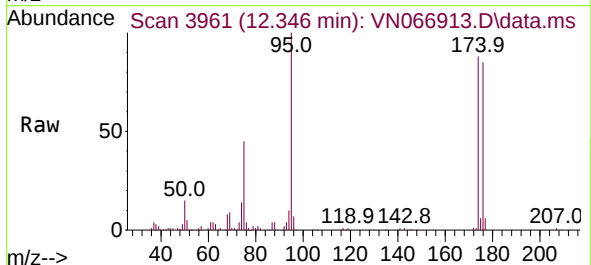
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

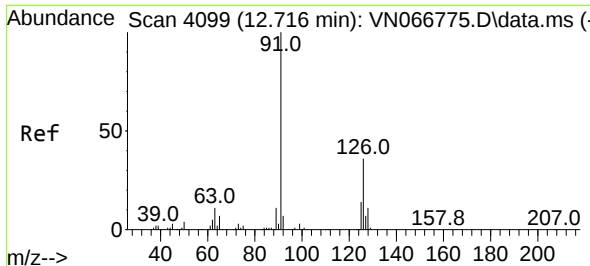
Tgt Ion: 91 Resp: 6463
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.79 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.102 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 75 Resp: 88034
Ion Ratio Lower Upper
75 100
53 0.1 74.6 111.8#
89 0.3 35.8 53.8#

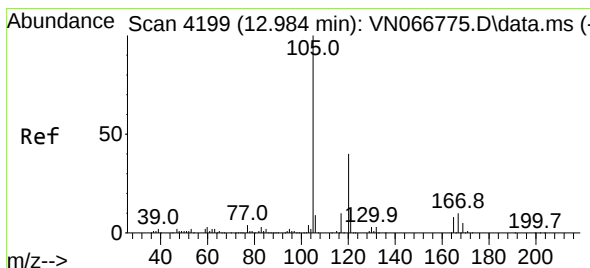
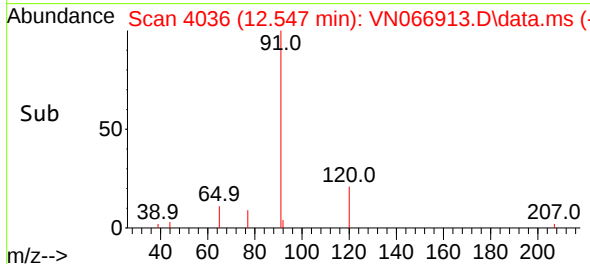
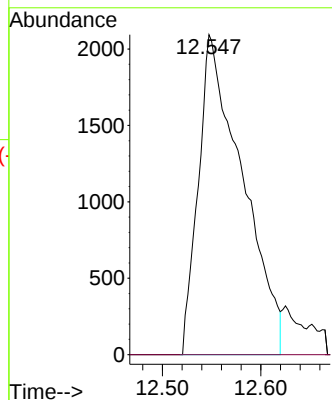
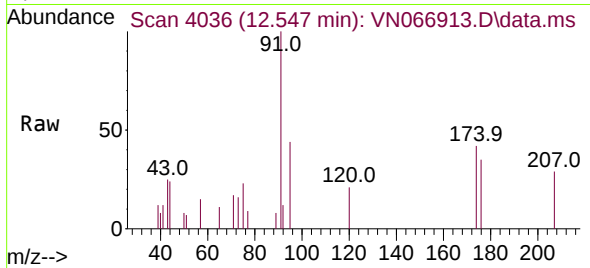




#82
4-Chlorotoluene
Concen: 0.70 ug/l
RT: 12.547 min Scan# 4036
Delta R.T. -0.169 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

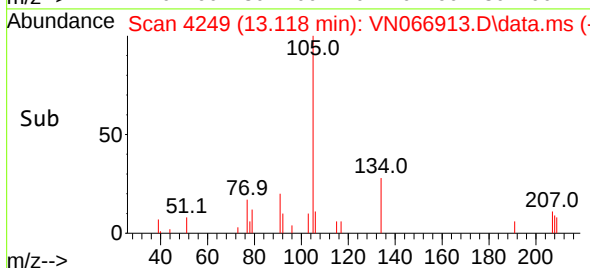
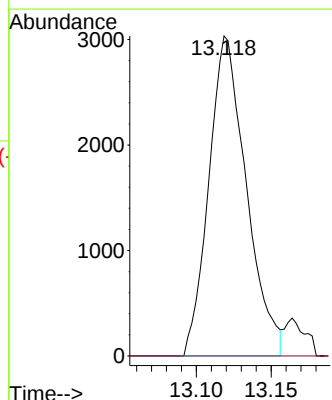
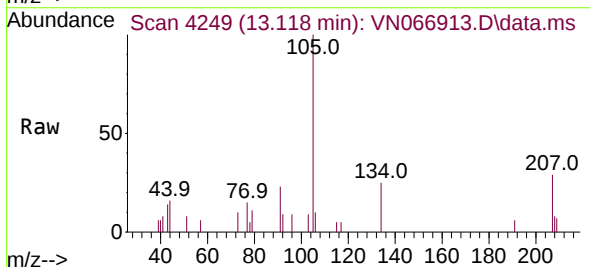
Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

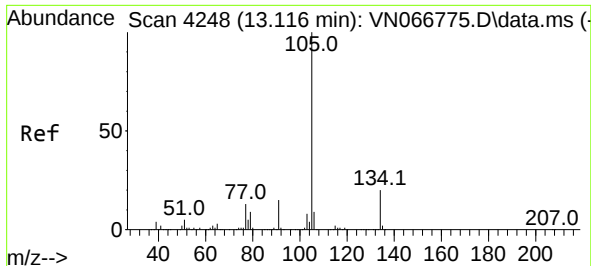
Tgt Ion: 91 Resp: 6463
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.49 ug/l
RT: 13.118 min Scan# 4249
Delta R.T. 0.134 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Tgt Ion: 105 Resp: 5288
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.0#

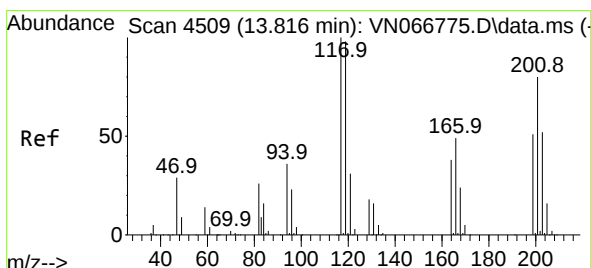
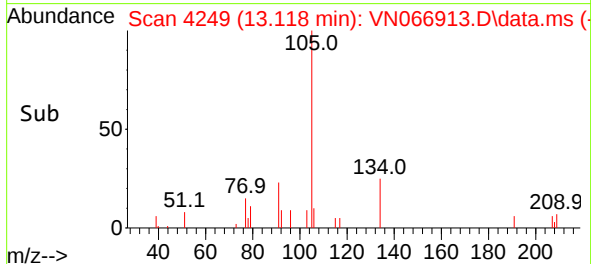
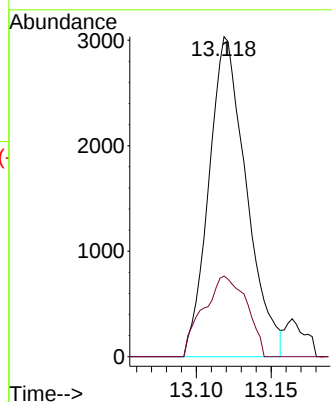
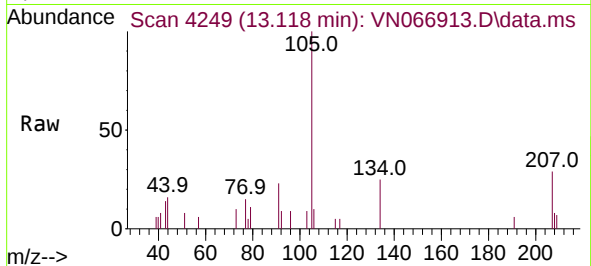




#85
 sec-Butylbenzene
 Concen: 0.41 ug/l
 RT: 13.118 min Scan# 4249
 Delta R.T. 0.002 min
 Lab File: VN066913.D
 Acq: 30 Apr 2021 16:30

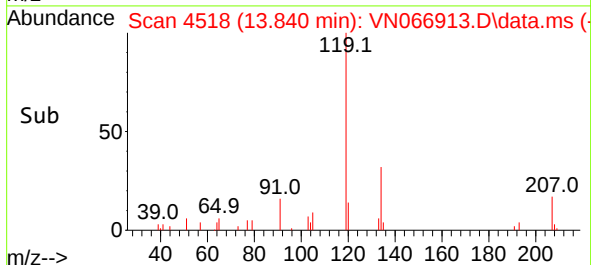
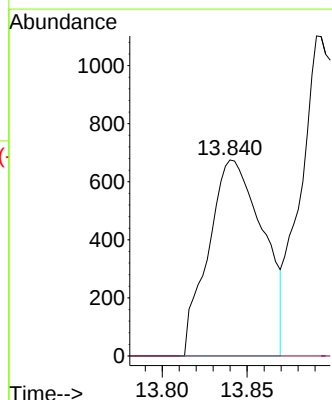
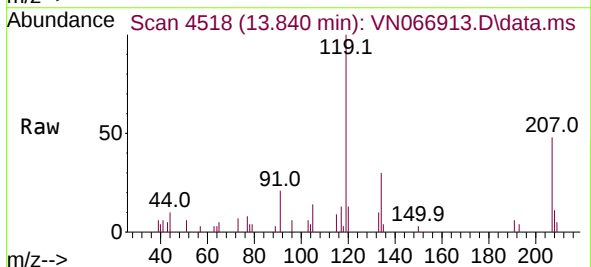
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5-COMP

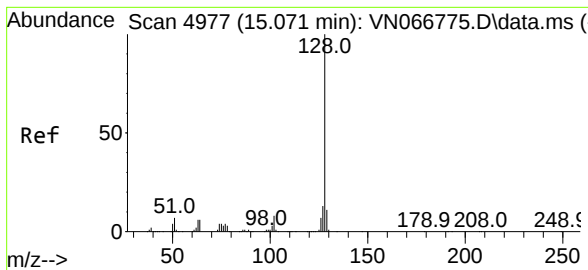
Tgt Ion:105 Resp: 5288
 Ion Ratio Lower Upper
 105 100
 134 29.0 10.0 30.0



#90
 Hexachloroethane
 Concen: 0.66 ug/l
 RT: 13.840 min Scan# 4518
 Delta R.T. 0.024 min
 Lab File: VN066913.D
 Acq: 30 Apr 2021 16:30

Tgt Ion:117 Resp: 1516
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.8 113.3#





#95
Naphthalene
Concen: 0.27 ug/l
RT: 15.087 min Scan# 4983
Delta R.T. 0.016 min
Lab File: VN066913.D
Acq: 30 Apr 2021 16:30

Instrument :
MSVOA_N
ClientSampleId :
TP-5-COMP

Tgt Ion:128 Resp: 2202
Ion Ratio Lower Upper
128 100
127 2.3 10.2 15.2#
129 10.0 8.6 13.0

