

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042721\
 Data File : VN066787.D
 Acq On : 27 Apr 2021 17:38
 Operator : JC/MD
 Sample : PB135974ZHE#09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 28 08:11:56 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)

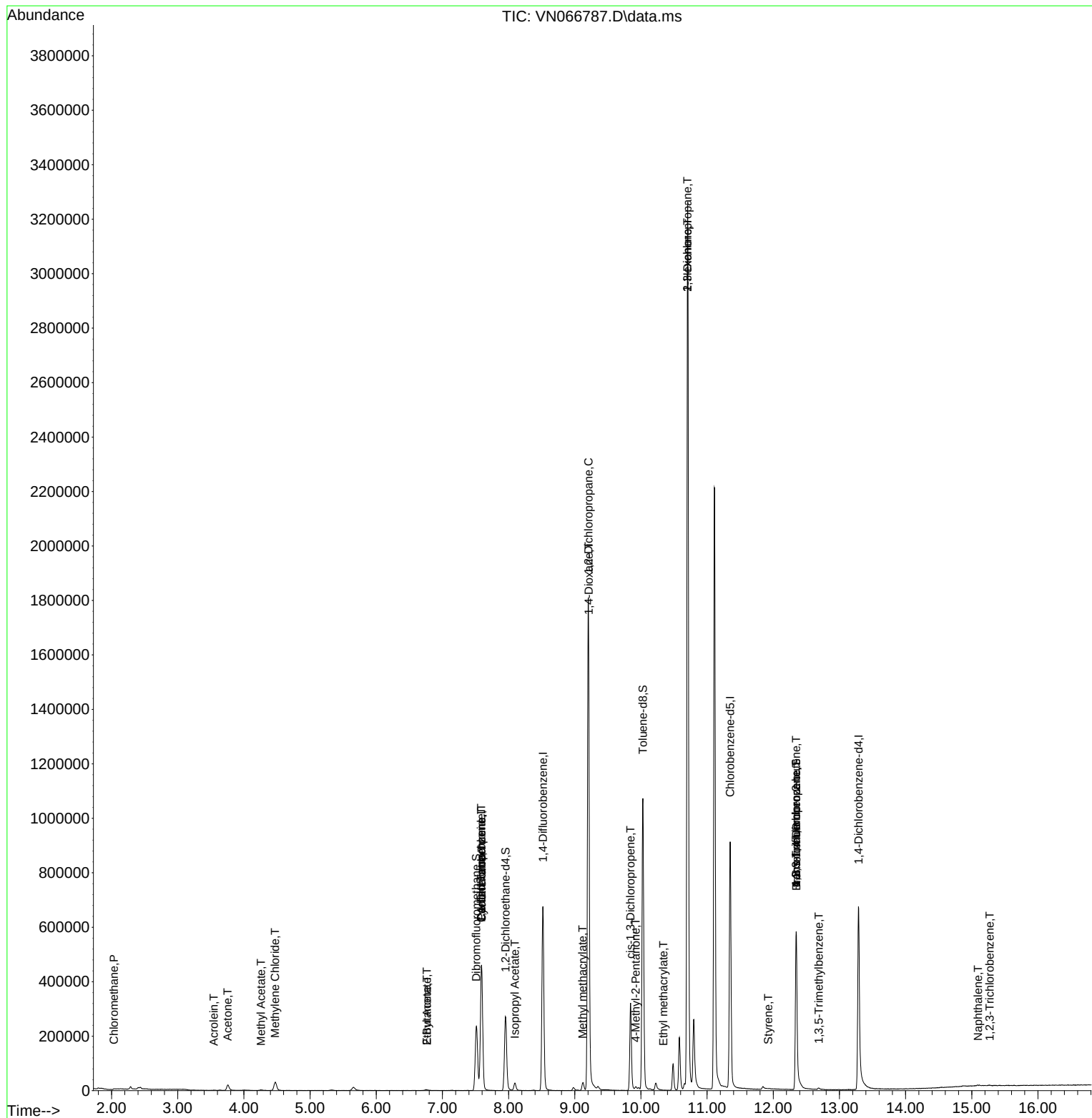
Internal Standards						
1) Pentafluorobenzene	7.591	168	400574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	620755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.349	117	549418	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	229616	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	240370	46.70	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.40%		
35) Dibromofluoromethane	7.513	113	192126	50.14	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.28%		
50) Toluene-d8	10.029	98	753636	50.11	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.22%		
62) 4-Bromofluorobenzene	12.346	95	240786	47.32	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	94.64%		
Target Compounds					Qvalue	
3) Chloromethane	2.034	50	1203	0.21	ug/l #	78
13) Acrolein	3.544	56	432	0.65	ug/l	92
16) Acetone	3.756	43	35187	18.12	ug/l	93
18) Methyl Acetate	4.257	43	4735	2.00	ug/l #	68
20) Methylene Chloride	4.472	84	22830	4.64	ug/l	100
25) 2-Butanone	6.765	43	5757	2.11	ug/l	89
31) Cyclohexane	7.594	56	7861	0.99	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	29665	5.14	ug/l #	48
37) Ethyl Acetate	6.765	43	5757	0.94	ug/l #	68
38) Carbon Tetrachloride	7.588	117	35760	6.47	ug/l #	17
43) Isopropyl Acetate	8.095	43	35546	3.65	ug/l #	87
45) 1,2-Dichloropropane	9.208	63	2142	0.45	ug/l #	44
48) Methyl methacrylate	9.117	41	7622	1.80	ug/l #	10
49) 1,4-Dioxane	9.211	88	55	0.87	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	9577	1.81	ug/l	93
54) cis-1,3-Dichloropropene	9.844	75	60621	8.27	ug/l #	63
56) Ethyl methacrylate	10.337	69	53	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	35370	5.00	ug/l #	43
59) 2-Hexanone	10.705	43	492574	128.61	ug/l #	49
70) Styrene	11.925	104	50	3.05	ug/l #	26
71) Bromoform	12.349	173	1467	0.49	ug/l #	1
76) 1,2,3-Trichloropropane	12.346	75	121904	25.19	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.687	105	4079	0.29	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.346	75	121904	67.47	ug/l #	12
95) Naphthalene	15.093	128	4413	0.43	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.270	180	897	0.23	ug/l #	78

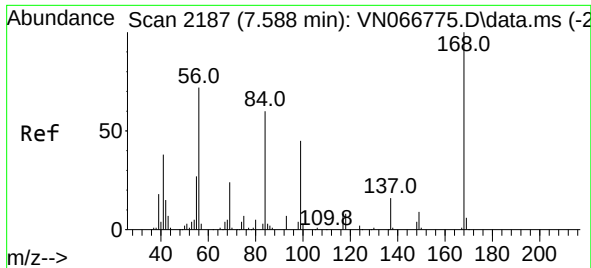
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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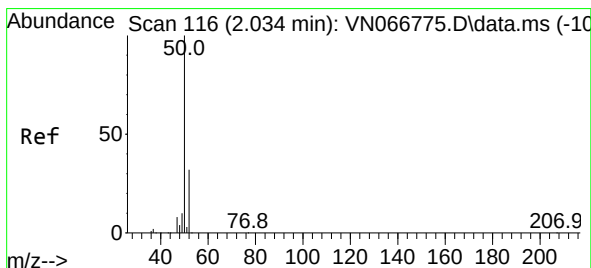
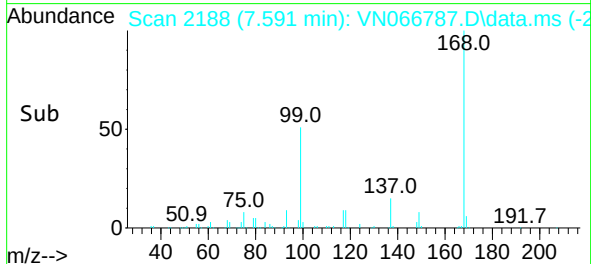
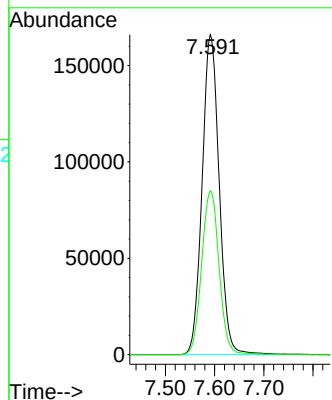
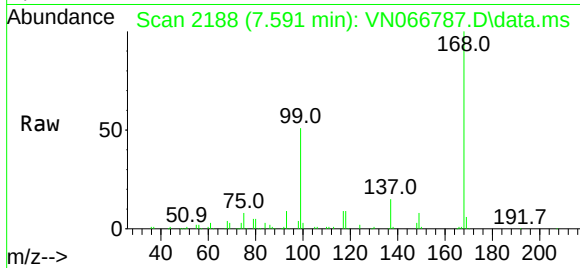




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

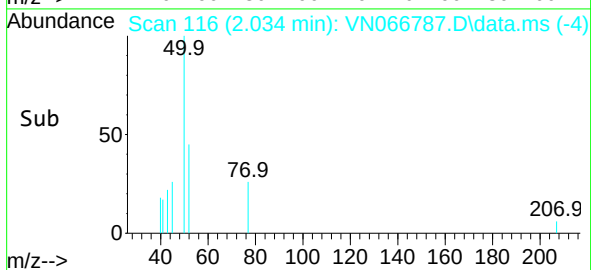
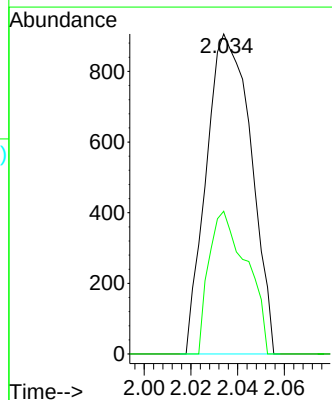
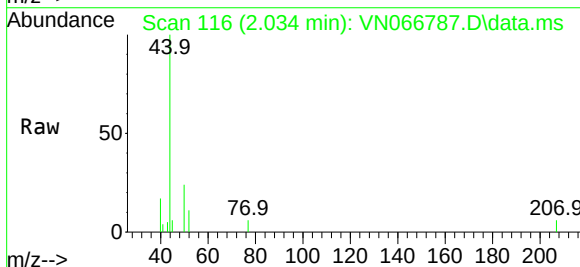
Instrument :
MSVOA_N
ClientSampled :

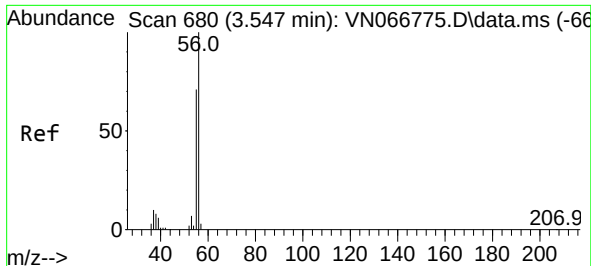
Tgt Ion:168 Resp: 400574
Ion Ratio Lower Upper
168 100
99 51.2 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 50 Resp: 1203
Ion Ratio Lower Upper
50 100
52 44.6 25.8 38.8#

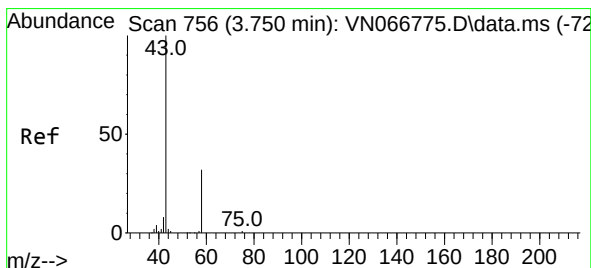
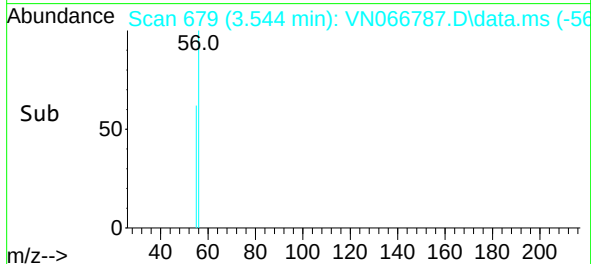
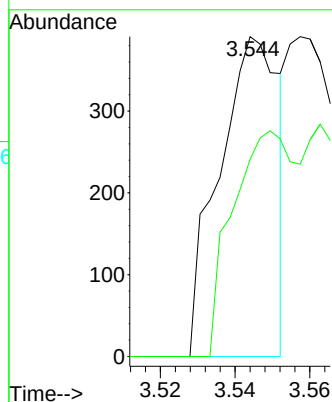
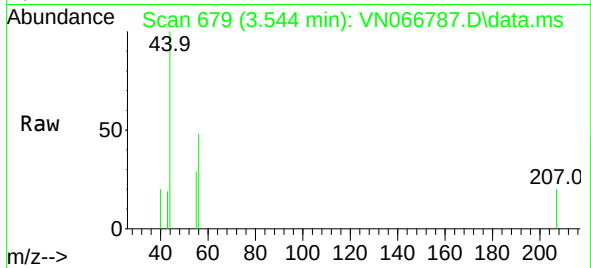




#13
Acrolein
Concen: 0.65 ug/l
RT: 3.544 min Scan# 679
Delta R.T. -0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

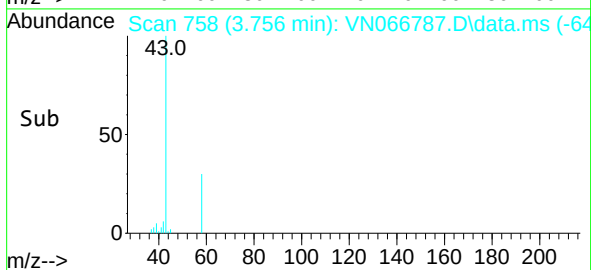
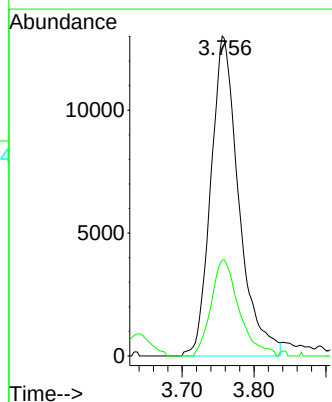
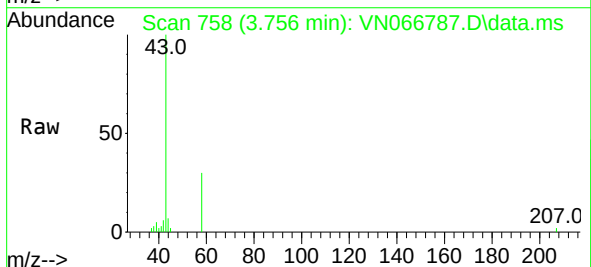
Instrument :
MSVOA_N
ClientSampled :

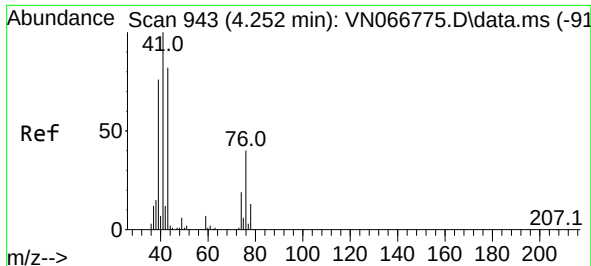
Tgt Ion: 56 Resp: 432
Ion Ratio Lower Upper
56 100
55 76.4 56.0 84.0



#16
Acetone
Concen: 18.12 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

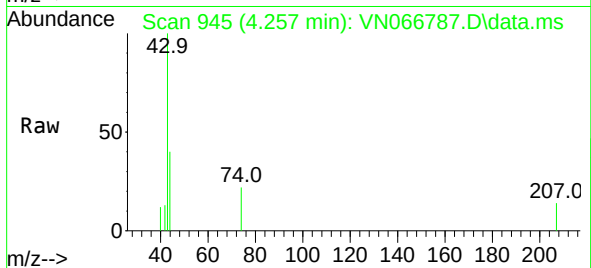
Tgt Ion: 43 Resp: 35187
Ion Ratio Lower Upper
43 100
58 30.0 27.0 40.6



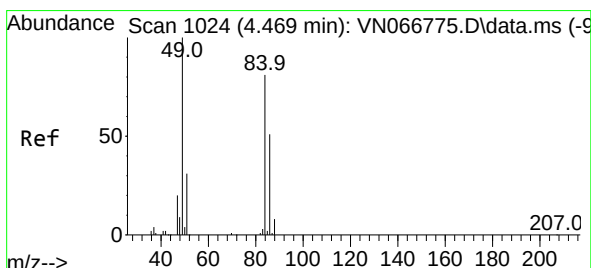
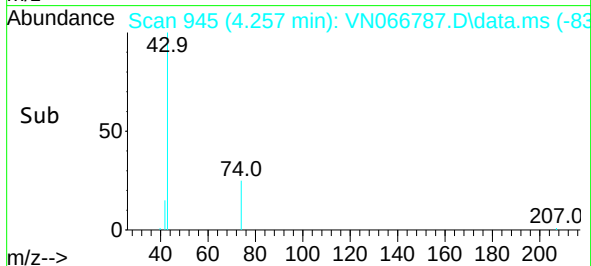
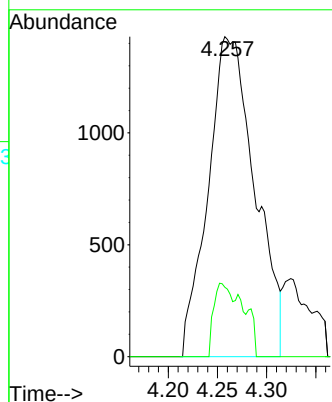


#18
Methyl Acetate
Concen: 2.00 ug/l
RT: 4.257 min Scan# 945
Delta R.T. 0.005 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampled :

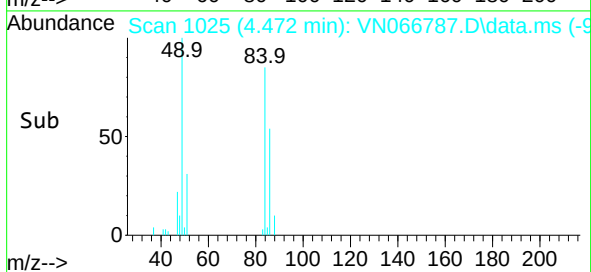
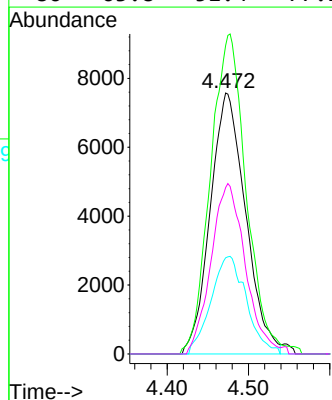
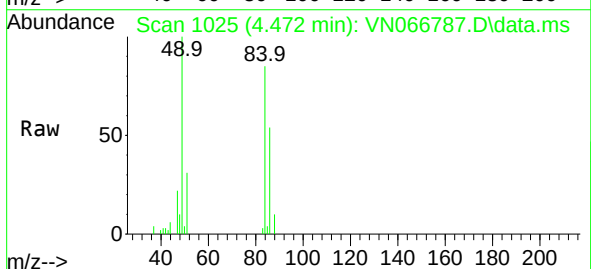


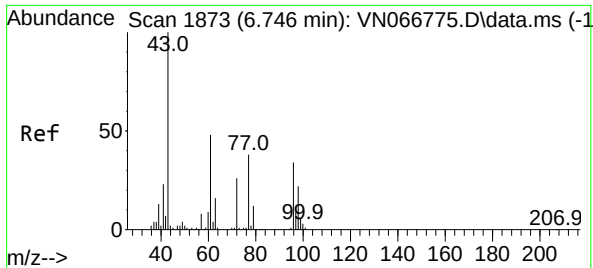
Tgt Ion: 43 Resp: 4735
Ion Ratio Lower Upper
43 100
74 8.4 19.5 29.3#



#20
Methylene Chloride
Concen: 4.64 ug/l
RT: 4.472 min Scan# 1025
Delta R.T. 0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 84 Resp: 22830
Ion Ratio Lower Upper
84 100
49 118.2 94.6 141.8
51 36.9 29.9 44.9
86 63.8 51.4 77.2

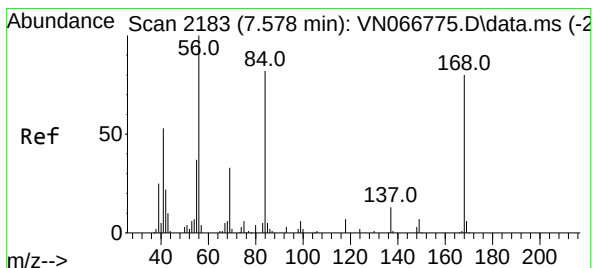
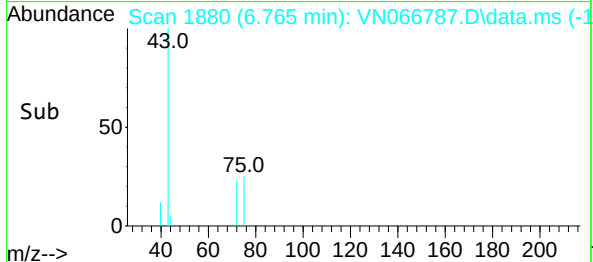
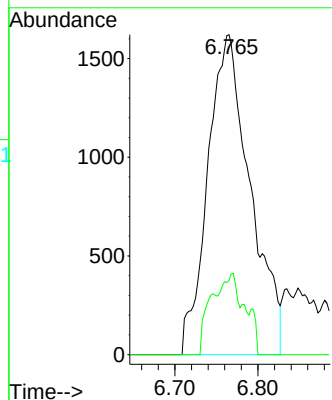
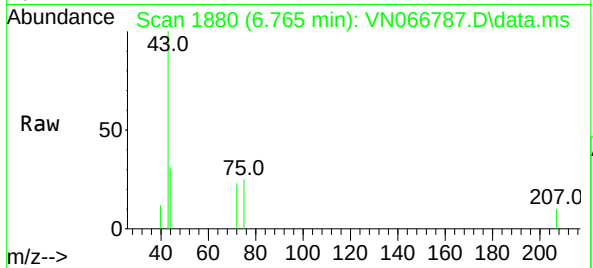




#25
2-Butanone
Concen: 2.11 ug/l
RT: 6.765 min Scan# 1880
Delta R.T. 0.019 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

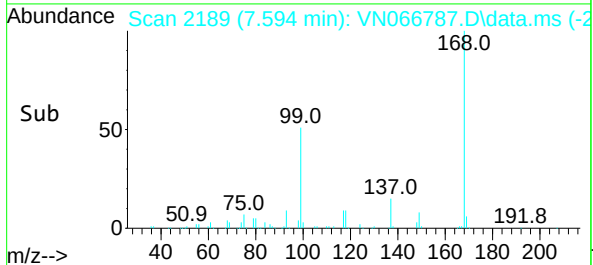
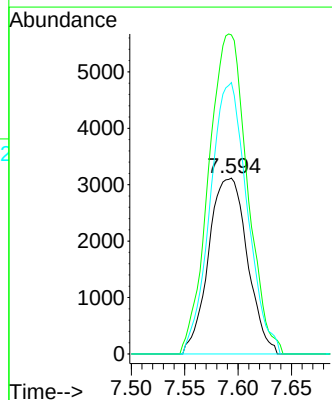
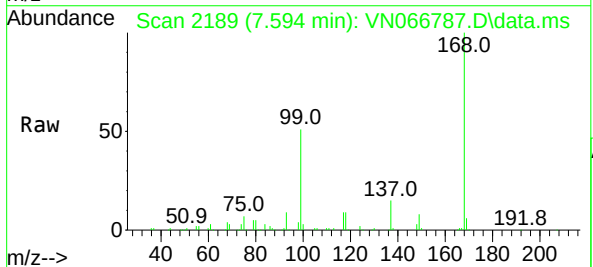
Instrument :
MSVOA_N
ClientSampled :

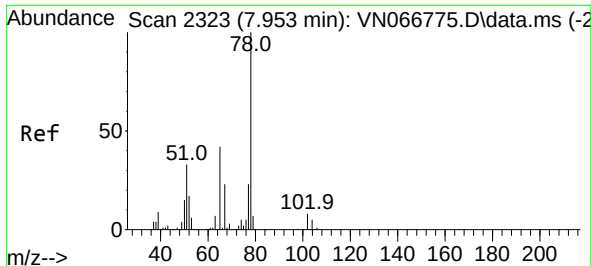
Tgt Ion: 43 Resp: 5757
Ion Ratio Lower Upper
43 100
72 23.2 23.1 34.7



#31
Cyclohexane
Concen: 0.99 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

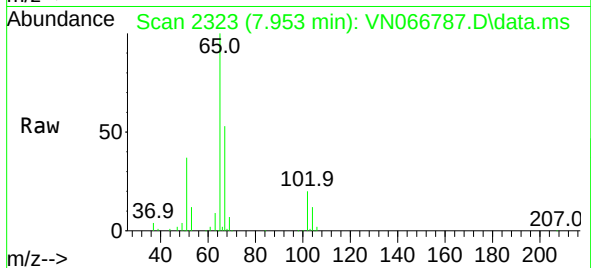
Tgt Ion: 56 Resp: 7861
Ion Ratio Lower Upper
56 100
69 181.5 26.6 39.8#
84 154.3 70.4 105.6#



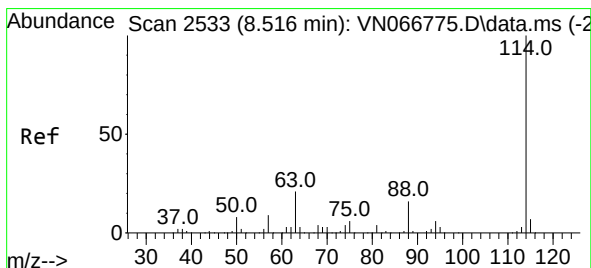
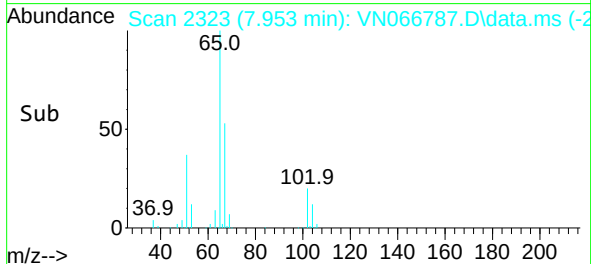
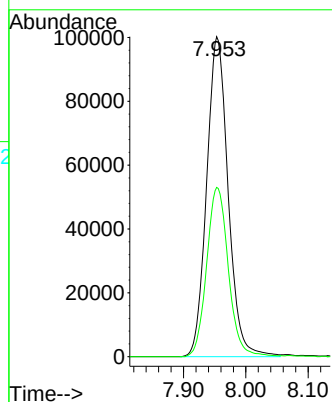


#33
 1,2-Dichloroethane-d4
 Concen: 46.70 ug/l
 RT: 7.953 min Scan# 2323
 Delta R.T. 0.000 min
 Lab File: VN066787.D
 Acq: 27 Apr 2021 17:38

Instrument :
 MSVOA_N
 ClientSampled :

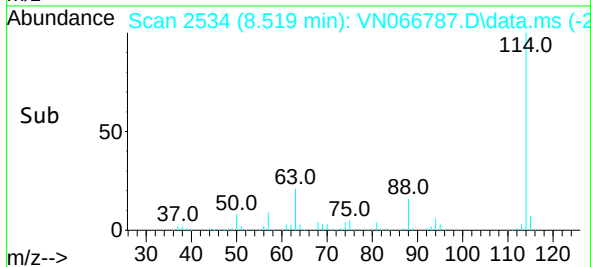
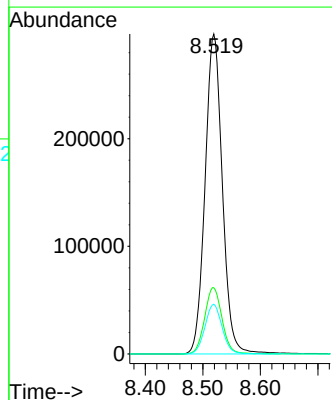
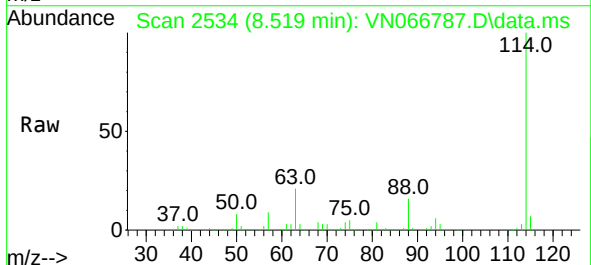


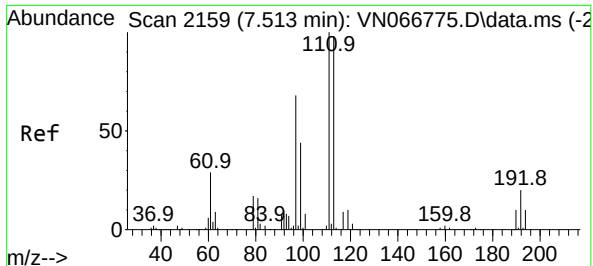
Tgt Ion: 65 Resp: 240370
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066787.D
 Acq: 27 Apr 2021 17:38

Tgt Ion: 114 Resp: 620755
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 38.6
 88 15.5 0.0 30.6

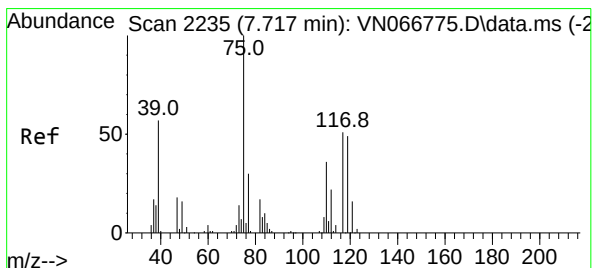
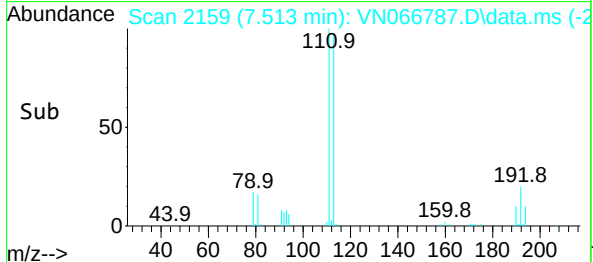
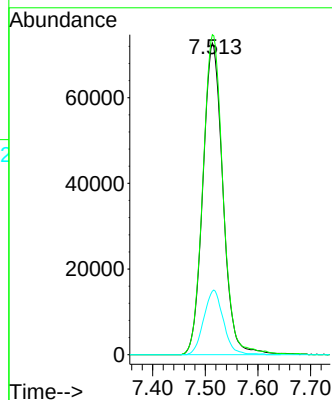
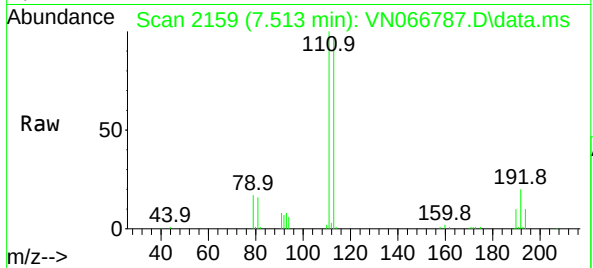




#35
Dibromofluoromethane
Concen: 50.14 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

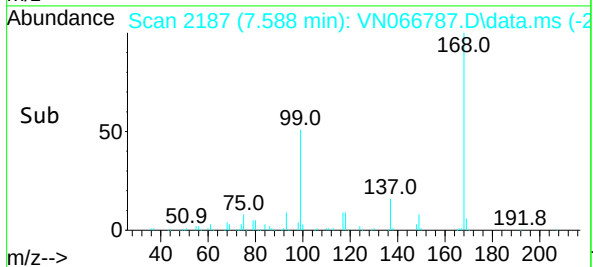
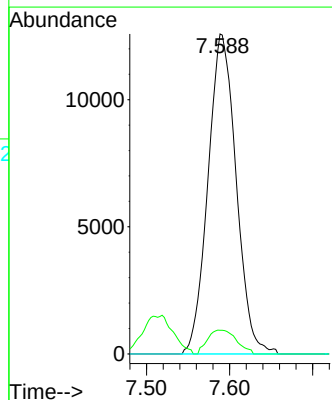
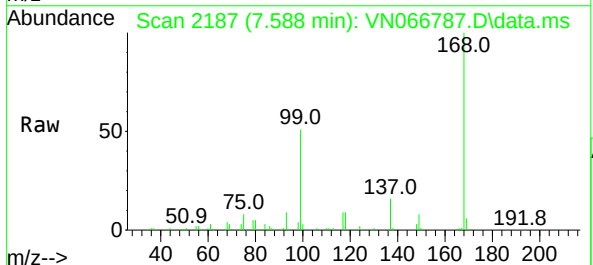
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MSVOA_N
ClientSampleId :

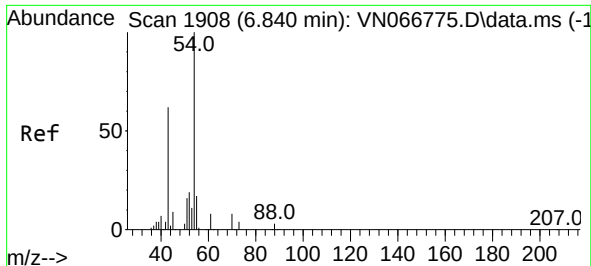
Tgt Ion:113 Resp: 192126
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 20.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 75 Resp: 29665
Ion Ratio Lower Upper
75 100
110 7.6 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.94 ug/l

RT: 6.765 min Scan# 1880

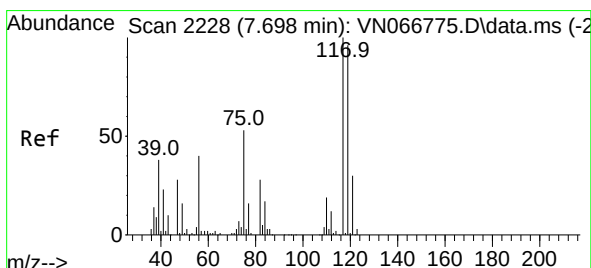
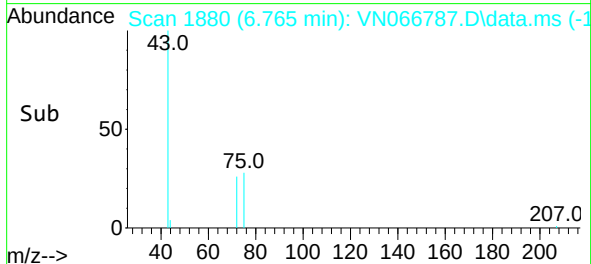
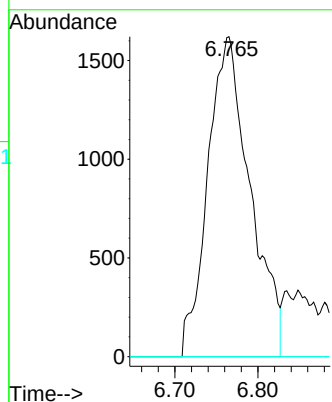
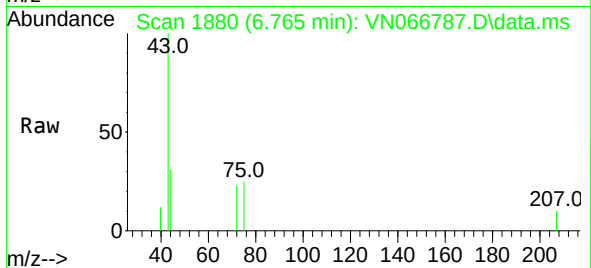
Delta R.T. -0.075 min

Lab File: VN066787.D

Acq: 27 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:	43	Resp:	5757
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.47 ug/l

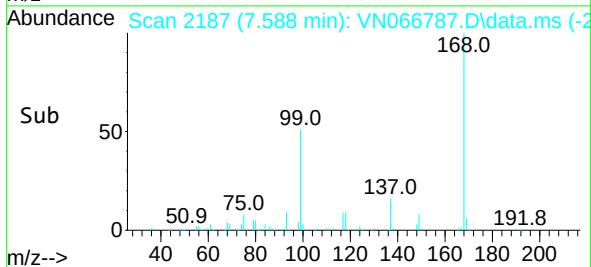
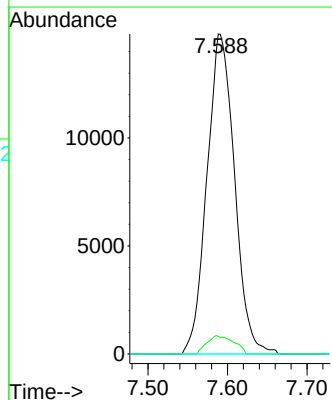
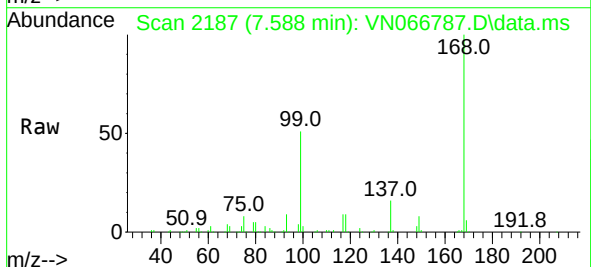
RT: 7.588 min Scan# 2187

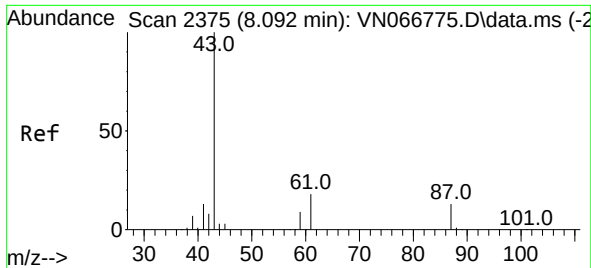
Delta R.T. -0.110 min

Lab File: VN066787.D

Acq: 27 Apr 2021 17:38

Tgt Ion:	117	Resp:	35760
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.0	114.0#
121	0.0	24.5	36.7#

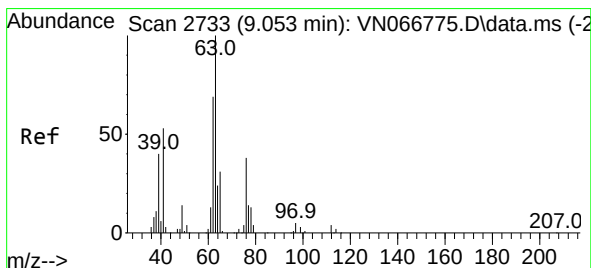
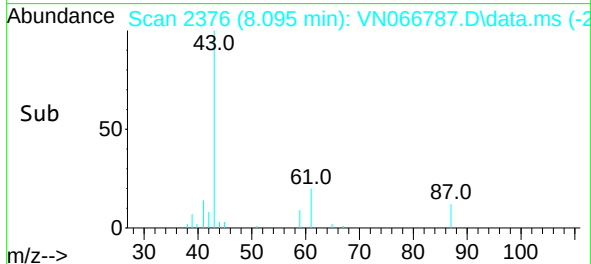
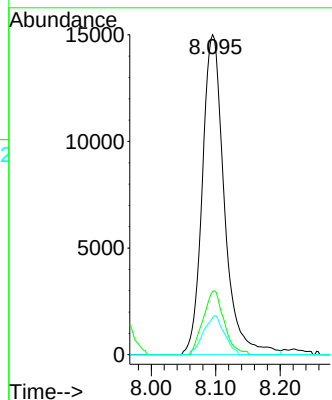
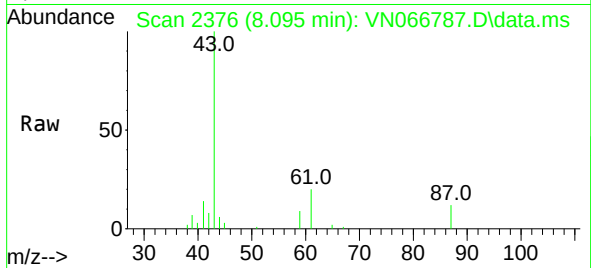




#43
Isopropyl Acetate
Concen: 3.65 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

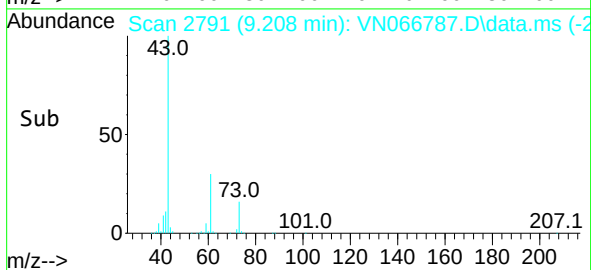
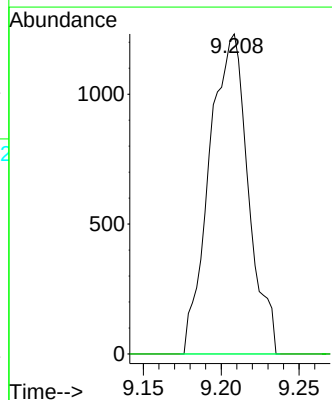
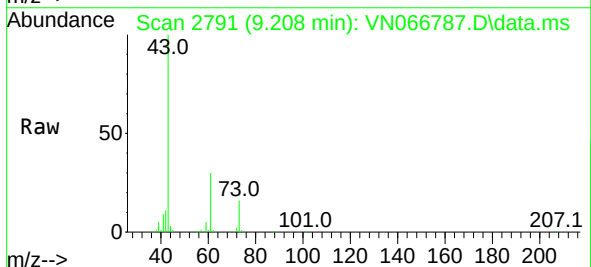
Instrument :
MSVOA_N
ClientSampleId :

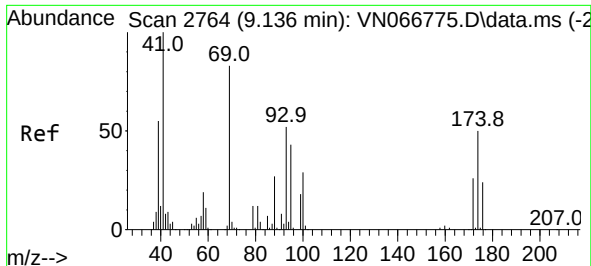
Tgt Ion: 43 Resp: 35546
Ion Ratio Lower Upper
43 100
61 19.0 22.5 33.7#
87 11.5 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.45 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

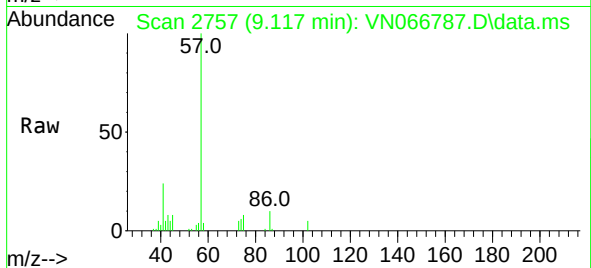
Tgt Ion: 63 Resp: 2142
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



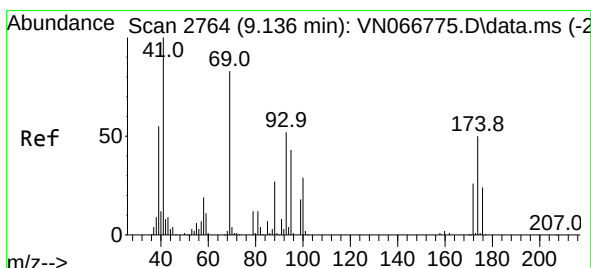
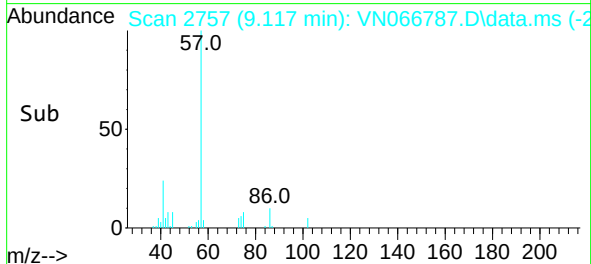
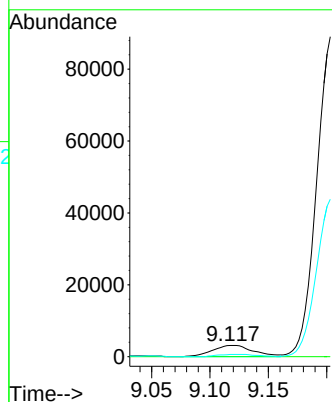


#48
Methyl methacrylate
Concen: 1.80 ug/l
RT: 9.117 min Scan# 2757
Delta R.T. -0.019 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :

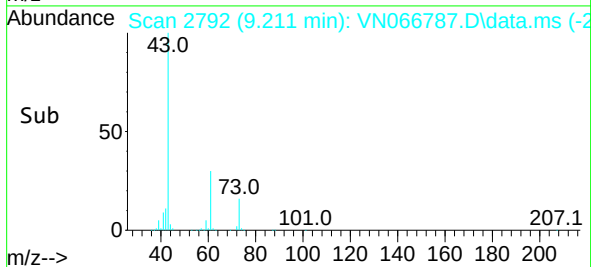
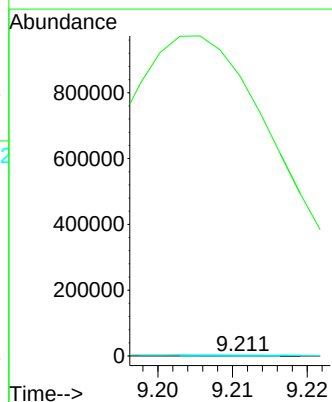
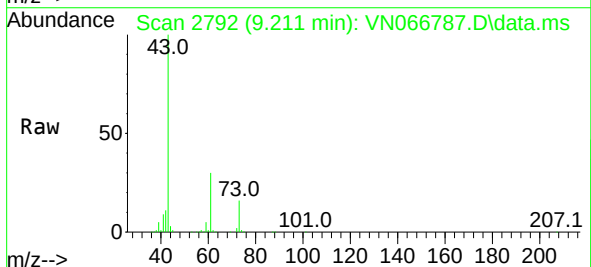


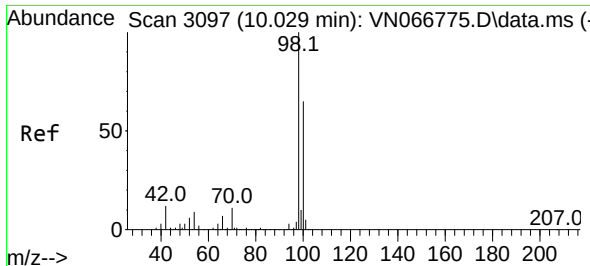
Tgt Ion: 41 Resp: 7622
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 0.87 ug/l
RT: 9.211 min Scan# 2792
Delta R.T. 0.075 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

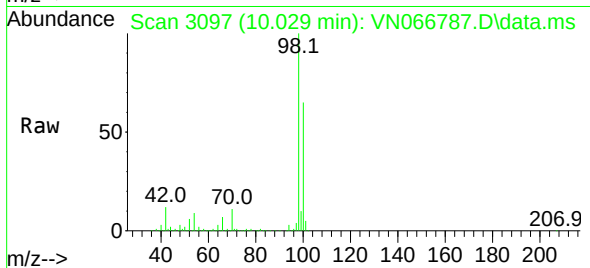
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 3384887.3 24.7 37.1#
58 13407.3 52.6 78.8#



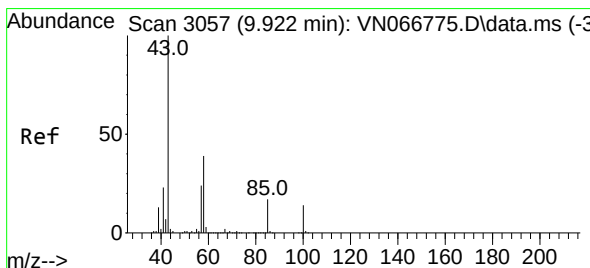
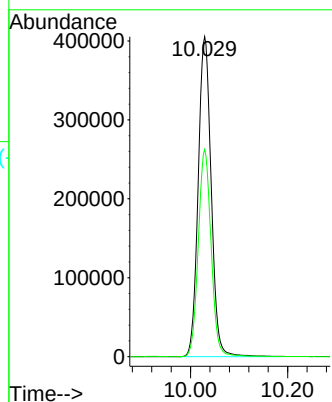
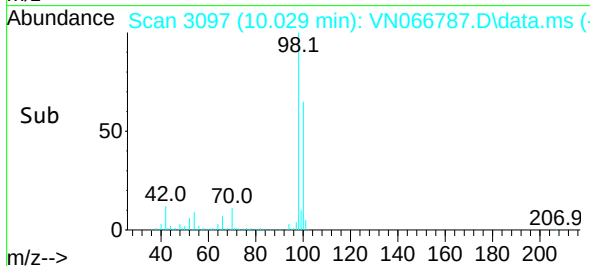


#50
Toluene-d8
Concen: 50.11 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. 0.000 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

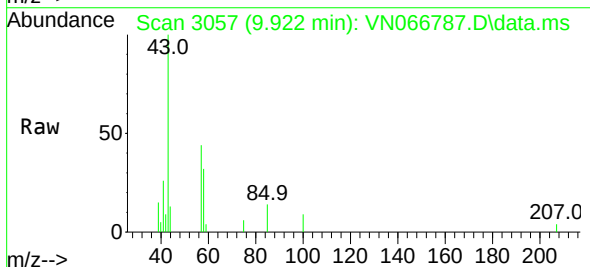
Instrument :
MSVOA_N
ClientSampled :



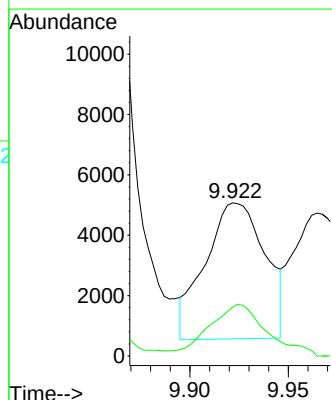
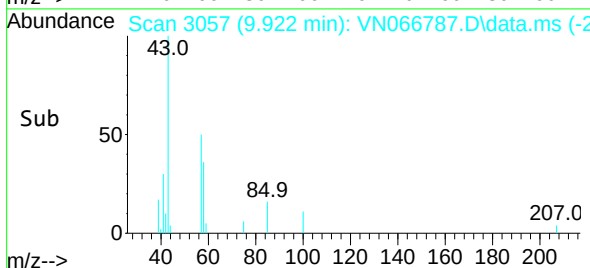
Tgt Ion: 98 Resp: 753636
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

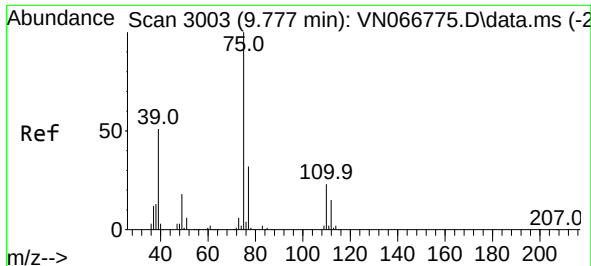


#51
4-Methyl-2-Pentanone
Concen: 1.81 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38



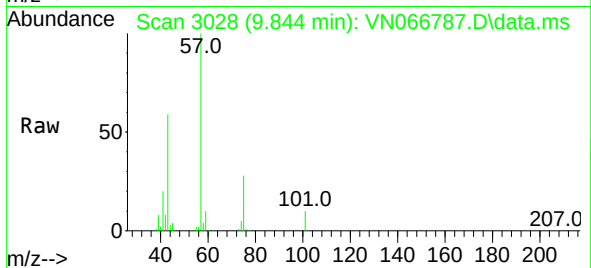
Tgt Ion: 43 Resp: 9577
Ion Ratio Lower Upper
43 100
58 36.3 32.5 48.7



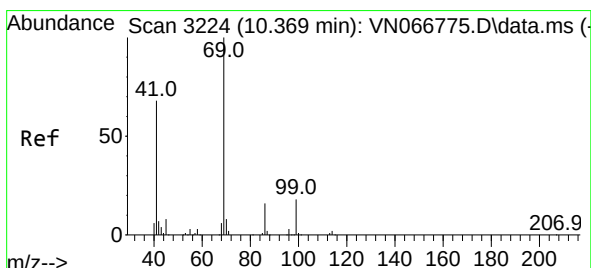
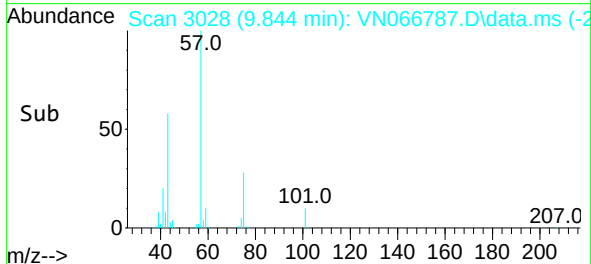
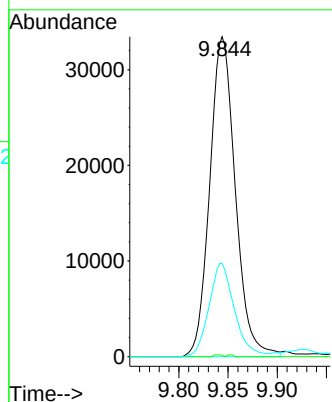


#54
cis-1,3-Dichloropropene
Concen: 8.27 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :

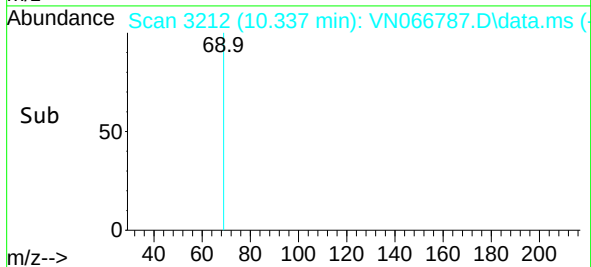
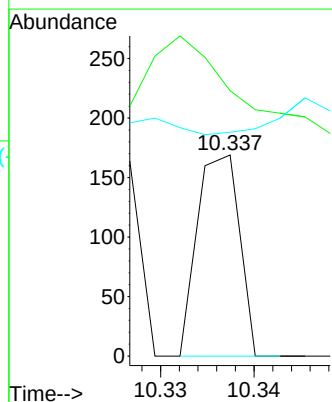
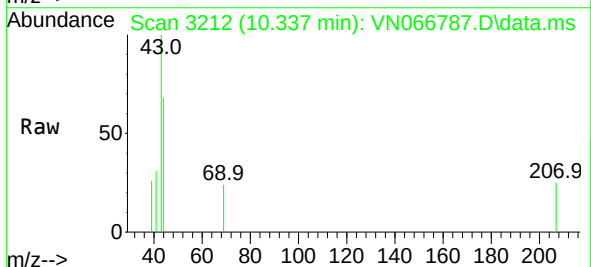


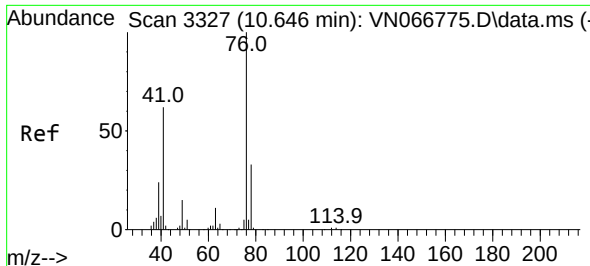
Tgt Ion: 75 Resp: 60621
Ion Ratio Lower Upper
75 100
77 0.4 24.9 37.3#
39 29.1 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.337 min Scan# 3212
Delta R.T. -0.032 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 69 Resp: 53
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

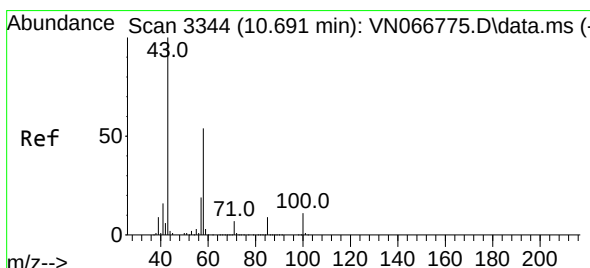
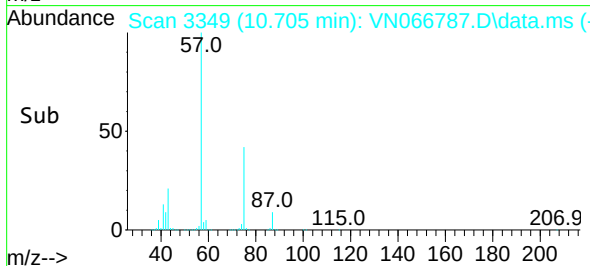
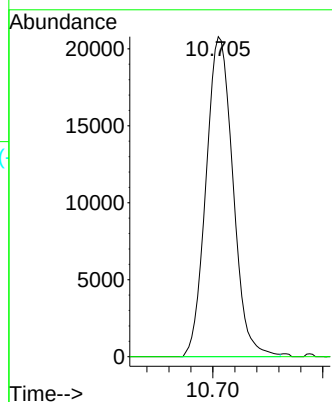
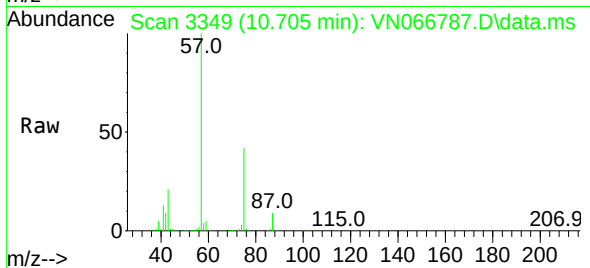




#57
1,3-Dichloropropane
Concen: 5.00 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

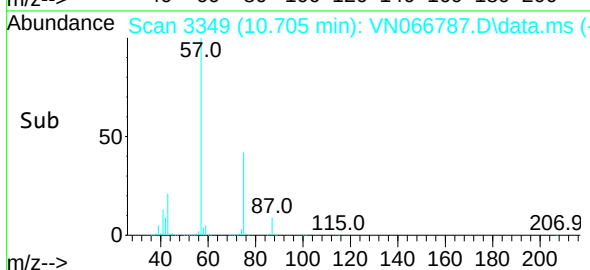
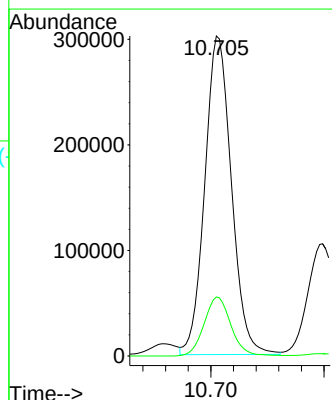
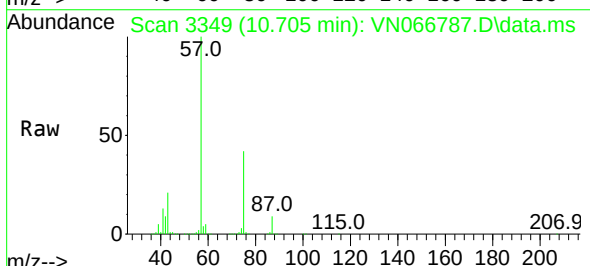
Instrument :
MSVOA_N
ClientSampled :

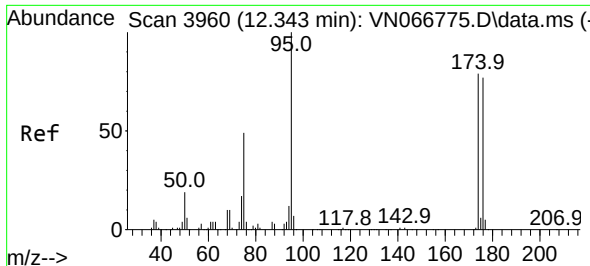
Tgt Ion: 76 Resp: 35370
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 128.61 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.014 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 43 Resp: 492574
Ion Ratio Lower Upper
43 100
58 18.7 28.1 84.3#

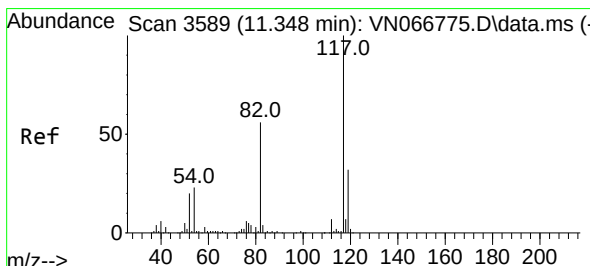
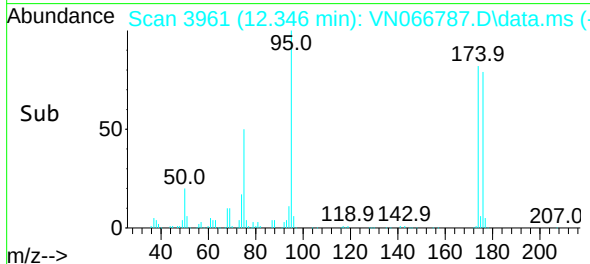
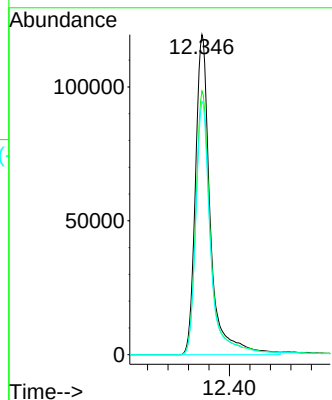
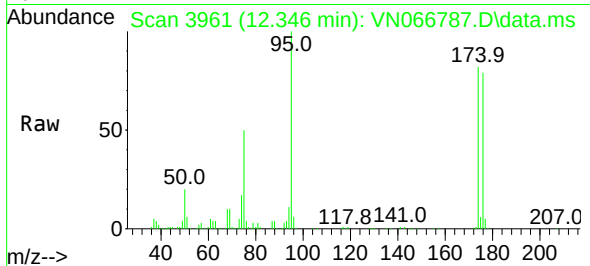




#62
4-Bromofluorobenzene
Concen: 47.32 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. 0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

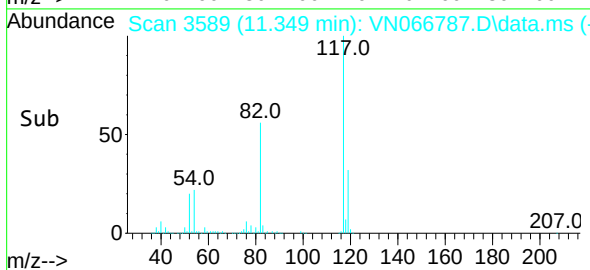
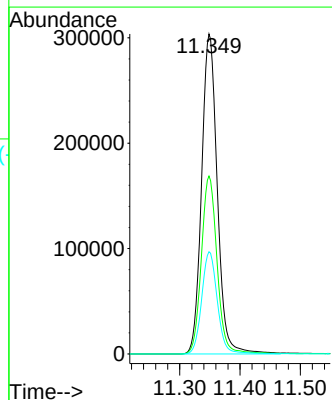
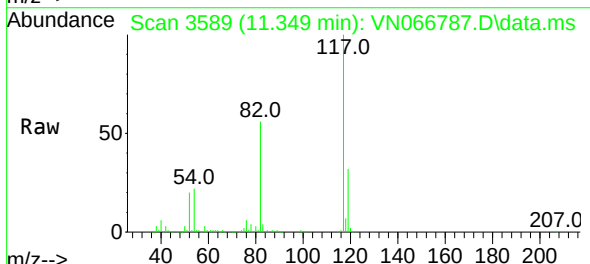
Instrument :
MSVOA_N
ClientSampleId :

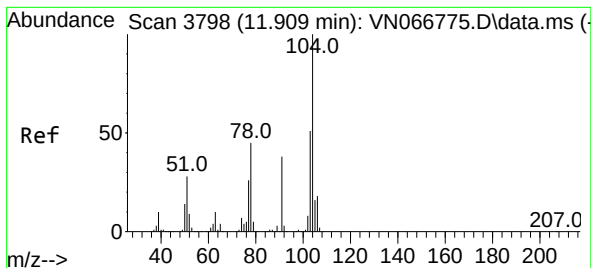
Tgt Ion: 95 Resp: 240786
Ion Ratio Lower Upper
95 100
174 81.8 0.0 169.0
176 78.7 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.349 min Scan# 3589
Delta R.T. 0.001 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 117 Resp: 549418
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 32.0 26.1 39.1

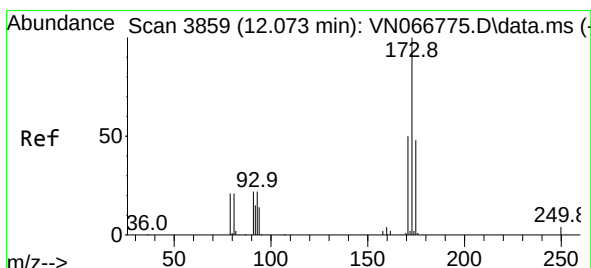
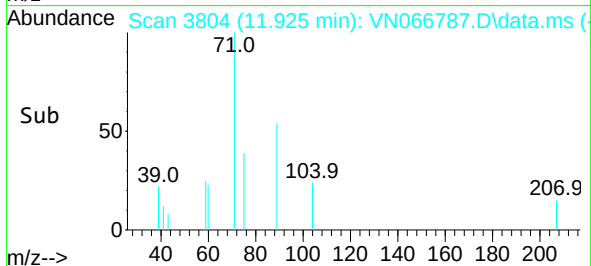
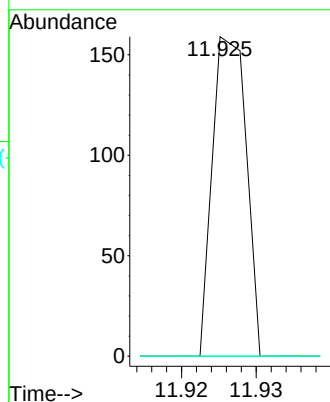
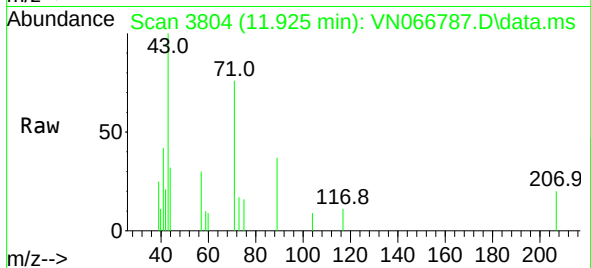




#70
Styrene
Concen: 3.05 ug/l
RT: 11.925 min Scan# 3804
Delta R.T. 0.016 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

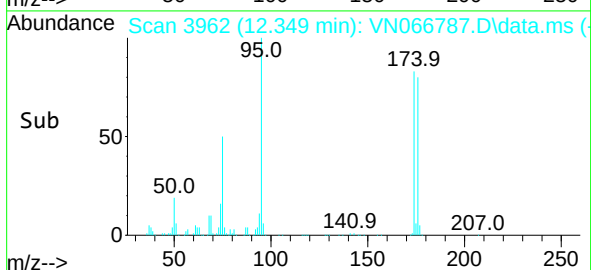
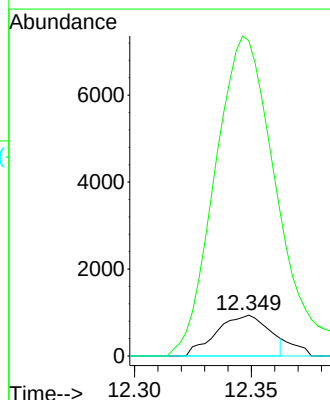
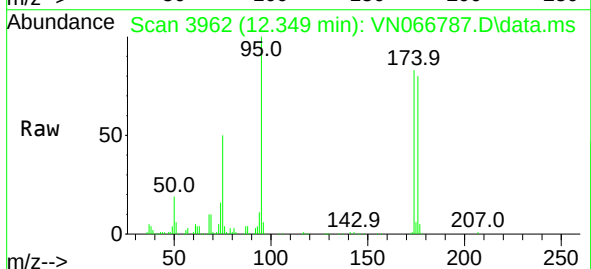
Instrument :
MSVOA_N
ClientSampleId :

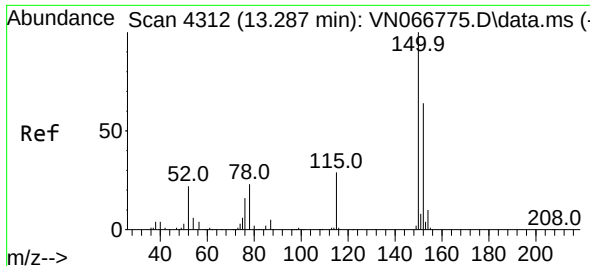
Tgt Ion:104 Resp: 50
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.4#
103 0.0 44.5 66.7#



#71
Bromoform
Concen: 0.49 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion:173 Resp: 1467
Ion Ratio Lower Upper
173 100
175 808.9 23.8 71.2#
254 0.0 0.0 0.0

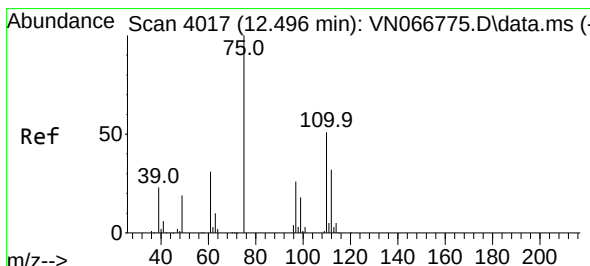
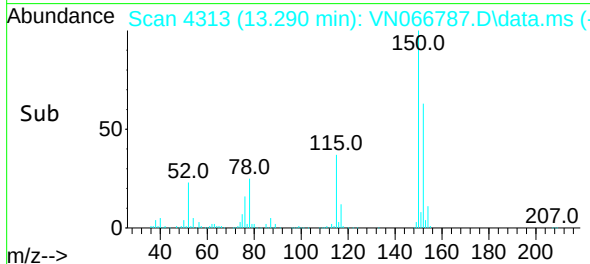
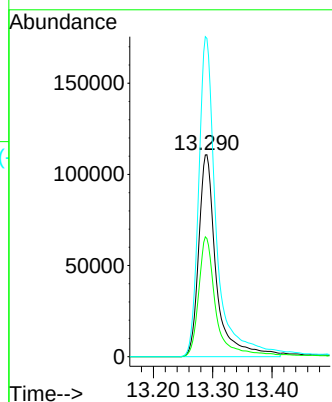
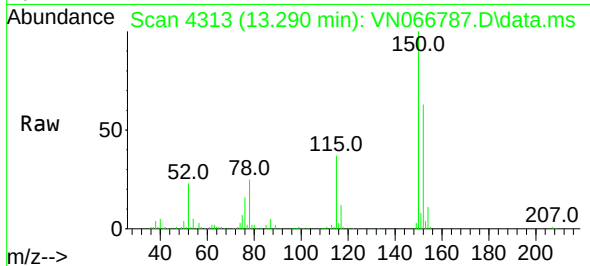




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

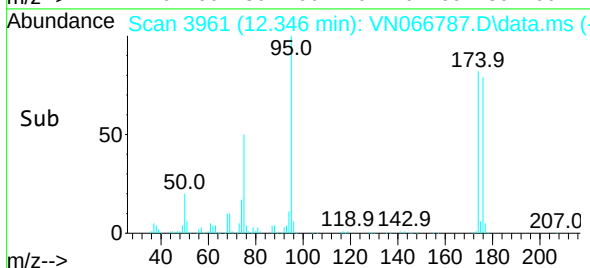
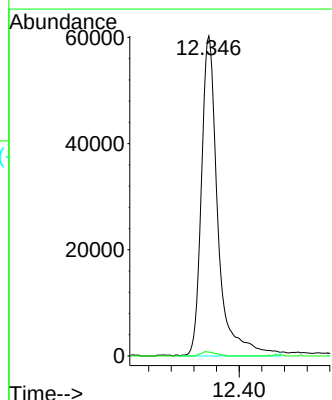
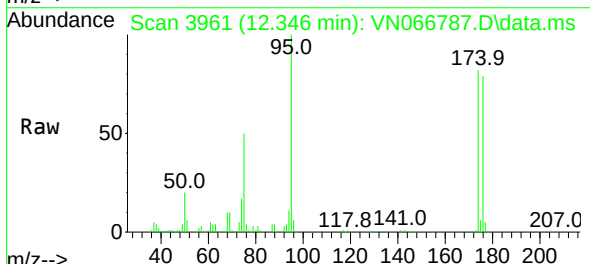
Instrument :
MSVOA_N
ClientSampled :

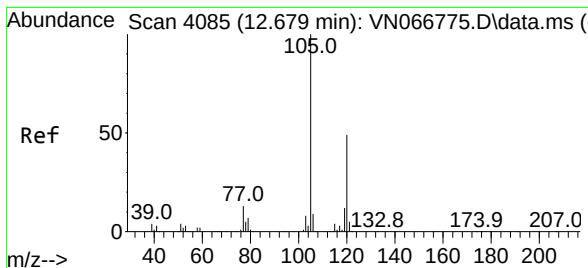
Tgt Ion:152 Resp: 229616
Ion Ratio Lower Upper
152 100
115 58.4 28.5 85.6
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 25.19 ug/l
RT: 12.346 min Scan# 3961
Delta R.T. -0.150 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion: 75 Resp: 121904
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.29 ug/l

RT: 12.687 min Scan# 4088

Delta R.T. 0.008 min

Lab File: VN066787.D

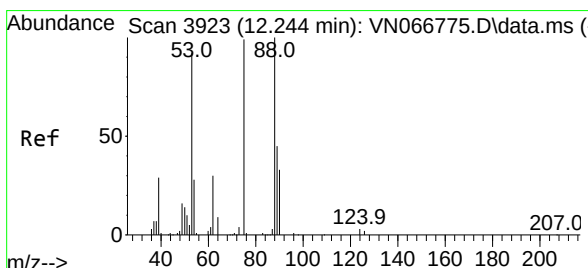
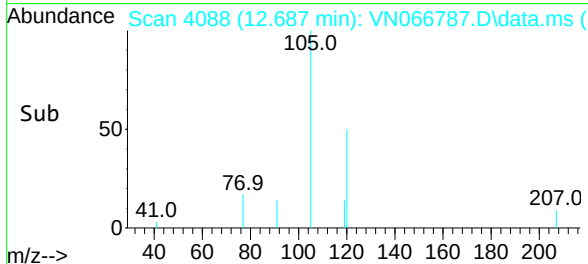
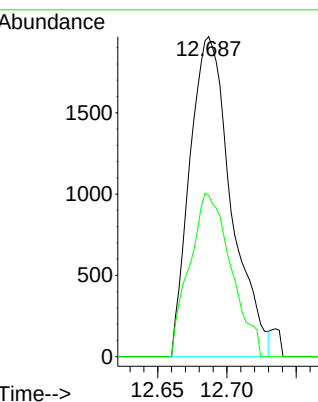
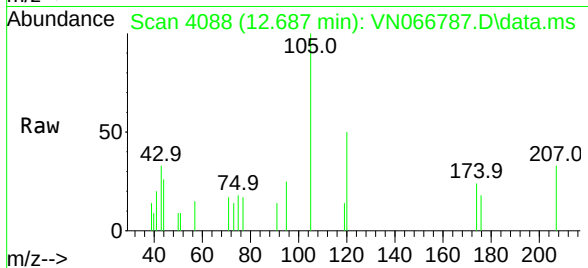
Acq: 27 Apr 2021 17:38

Tgt Ion:105 Resp: 4079

Ion Ratio Lower Upper

105 100

120 51.1 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 67.47 ug/l

RT: 12.346 min Scan# 3961

Delta R.T. 0.102 min

Lab File: VN066787.D

Acq: 27 Apr 2021 17:38

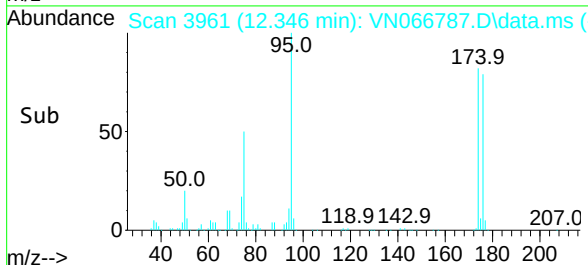
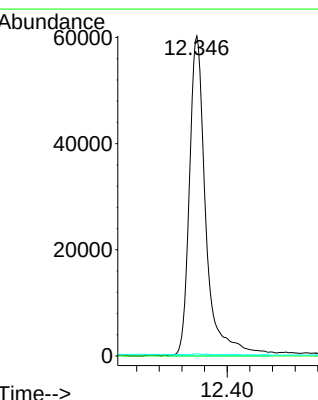
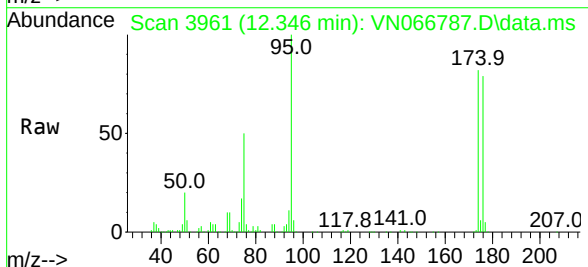
Tgt Ion: 75 Resp: 121904

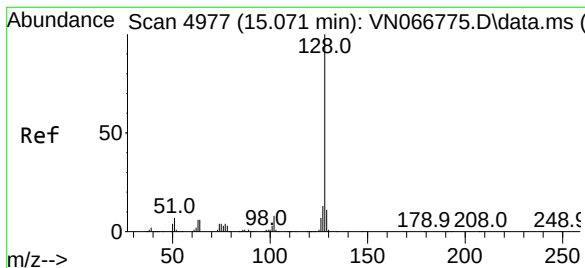
Ion Ratio Lower Upper

75 100

53 0.0 74.6 111.8#

89 0.1 35.8 53.8#

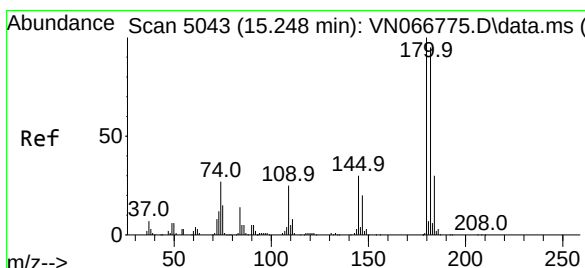
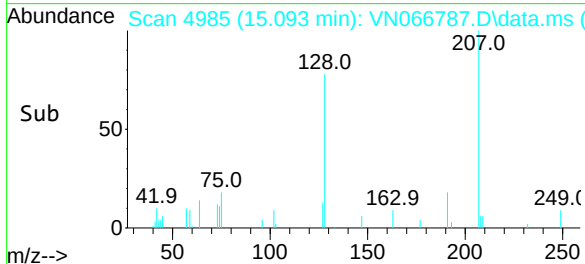
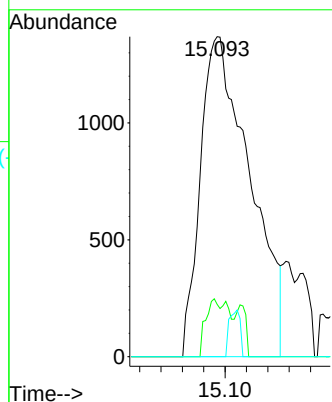
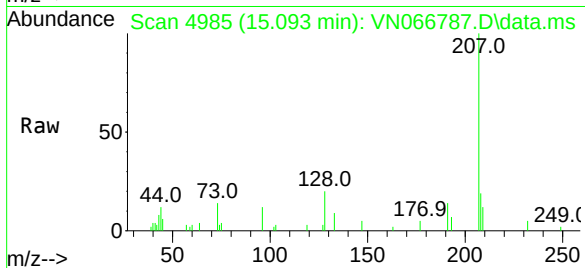




#95
Naphthalene
Concen: 0.43 ug/l
RT: 15.093 min Scan# 4985
Delta R.T. 0.022 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 4413
Ion Ratio Lower Upper
128 100
127 5.1 10.2 15.2#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.23 ug/l
RT: 15.270 min Scan# 5051
Delta R.T. 0.022 min
Lab File: VN066787.D
Acq: 27 Apr 2021 17:38

Tgt Ion:180 Resp: 897
Ion Ratio Lower Upper
180 100
182 104.3 47.4 142.3
145 0.0 16.5 49.5#

