

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066821.D
 Acq On : 28 Apr 2021 18:40
 Operator : JC/MD
 Sample : PB136019ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 04:31:34 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)

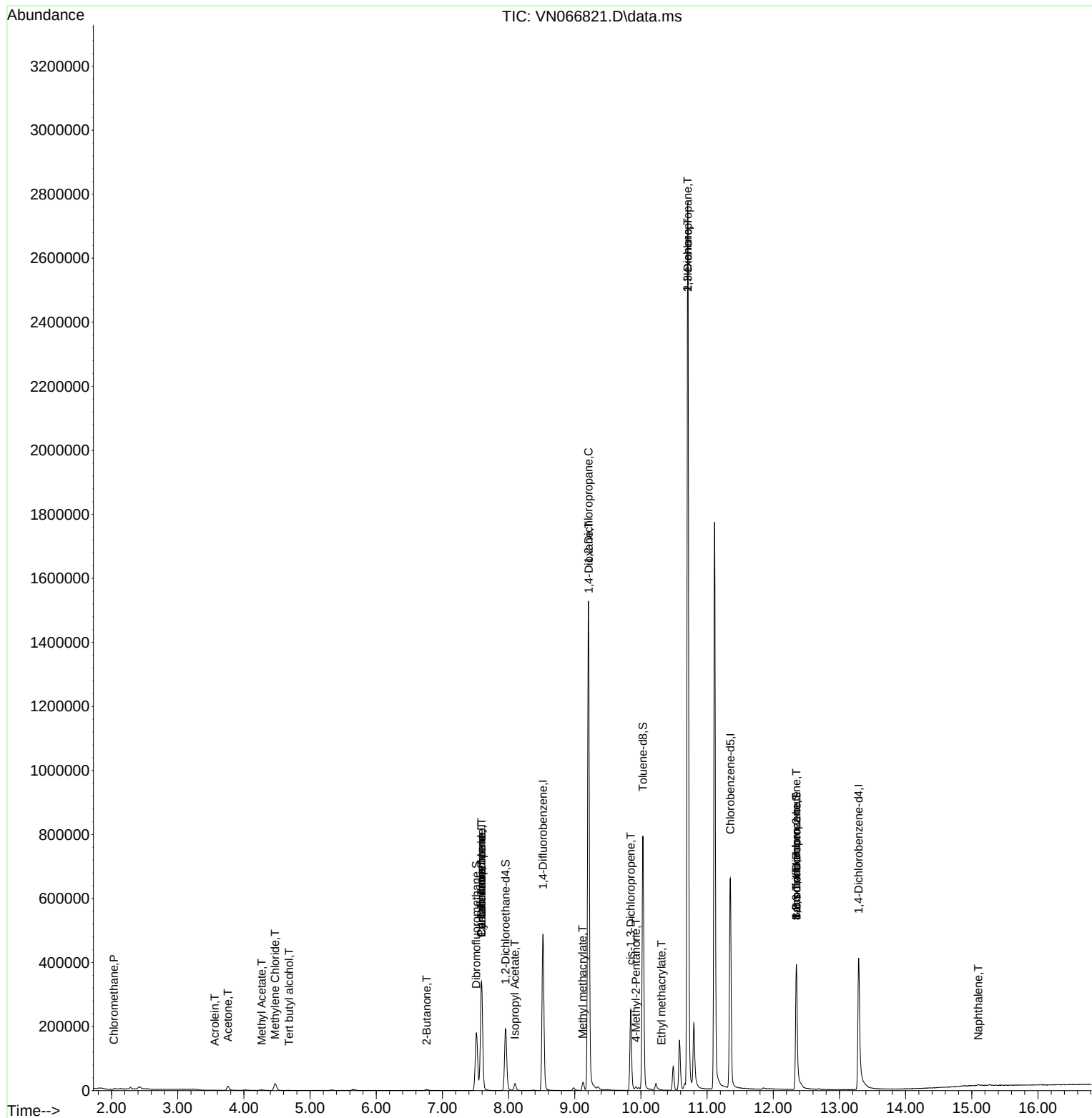
Internal Standards						
1) Pentafluorobenzene	7.591	168	307797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	465739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	425287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	152554	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.953	65	166170	42.02	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	84.04%		
35) Dibromofluoromethane	7.513	113	144727	50.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.68%		
50) Toluene-d8	10.029	98	574720	50.93	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	101.86%		
62) 4-Bromofluorobenzene	12.349	95	173779	45.51	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.02%		
Target Compounds						Qvalue
3) Chloromethane	2.034	50	1133	0.26	ug/l	94
11) Tert butyl alcohol	4.684	59	207	0.34	ug/l #	73
13) Acrolein	3.560	56	714	1.40	ug/l #	34
16) Acetone	3.759	43	22495	15.08	ug/l	97
18) Methyl Acetate	4.268	43	5099	2.35	ug/l #	84
20) Methylene Chloride	4.469	84	17056	4.51	ug/l	94
25) 2-Butanone	6.762	43	5165	2.46	ug/l	96
31) Cyclohexane	7.591	56	5041	0.82	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20538	4.75	ug/l #	48
38) Carbon Tetrachloride	7.591	117	26356	6.35	ug/l #	17
43) Isopropyl Acetate	8.095	43	26958	3.69	ug/l #	92
45) 1,2-Dichloropropane	9.208	63	1959	0.55	ug/l #	44
48) Methyl methacrylate	9.117	41	6522	2.05	ug/l #	10
49) 1,4-Dioxane	9.211	88	49	1.03	ug/l #	1
51) 4-Methyl-2-Pentanone	9.927	43	7139	1.80	ug/l	98
54) cis-1,3-Dichloropropene	9.847	75	50678	9.21	ug/l #	57
56) Ethyl methacrylate	10.311	69	105	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	30484	5.74	ug/l #	43
59) 2-Hexanone	10.708	43	380628	131.87	ug/l #	51
71) Bromoform	12.349	173	971	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	79641	24.77	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	79641	66.47	ug/l #	12
95) Naphthalene	15.098	128	4221	0.62	ug/l #	78

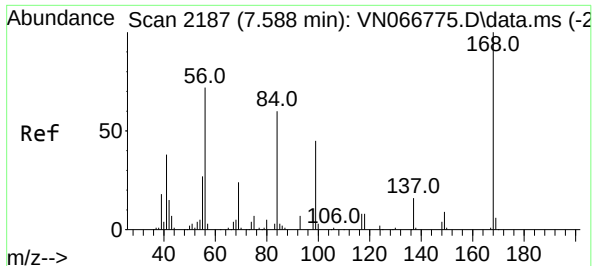
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042721W.M
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Response via : Initial Calibration

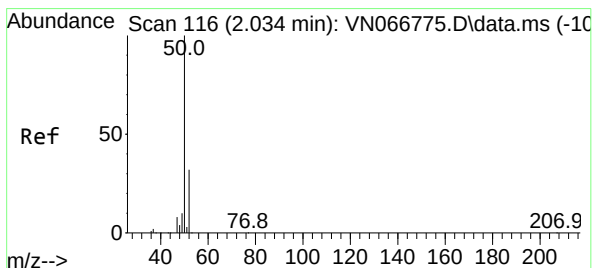
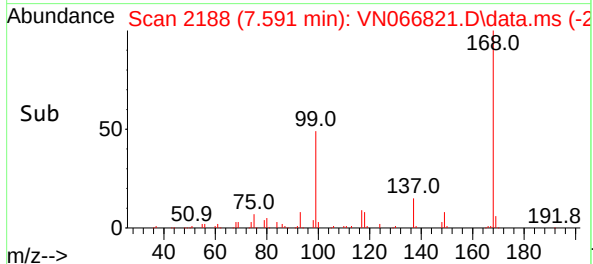
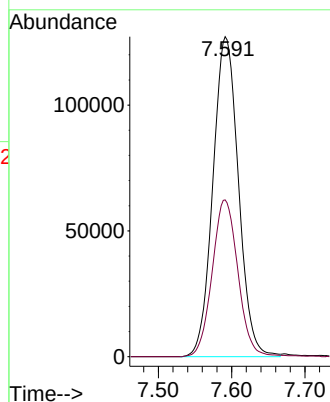
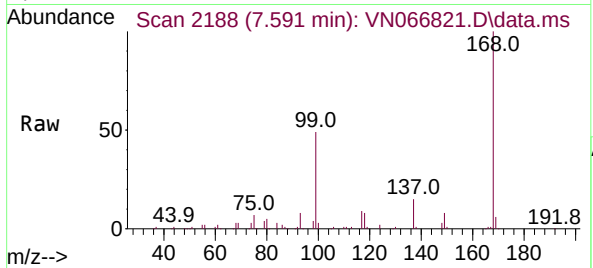




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

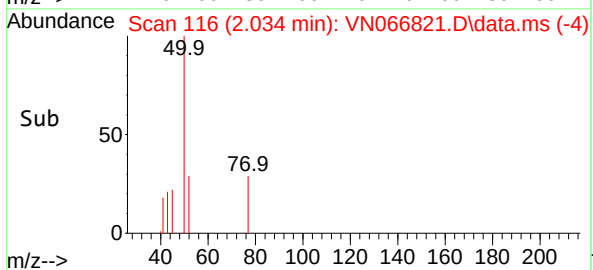
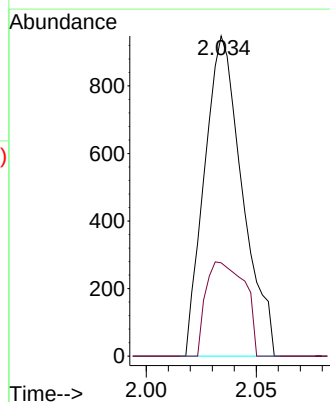
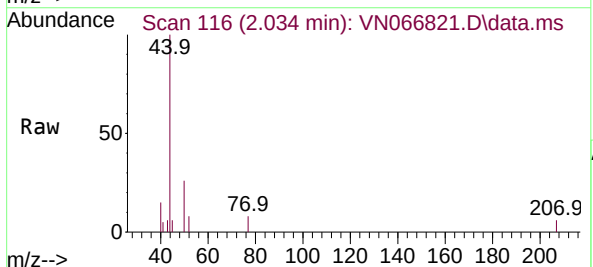
Instrument :
MSVOA_N
ClientSampled :

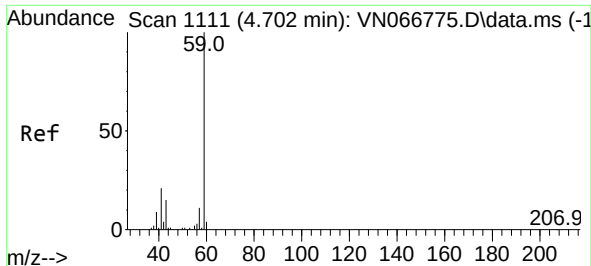
Tgt Ion:168 Resp: 307797
Ion Ratio Lower Upper
168 100
99 49.0 42.6 63.8



#3
Chloromethane
Concen: 0.26 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 50 Resp: 1133
Ion Ratio Lower Upper
50 100
52 29.1 25.8 38.8

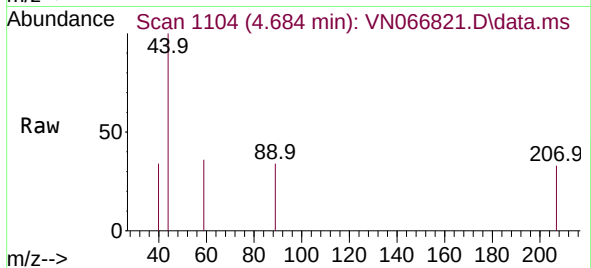




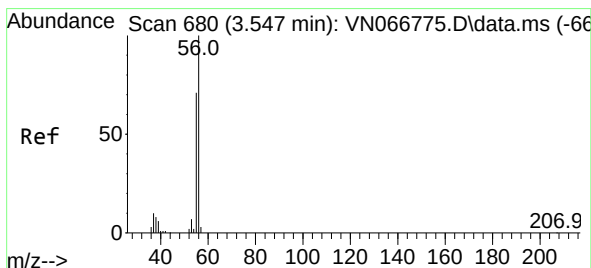
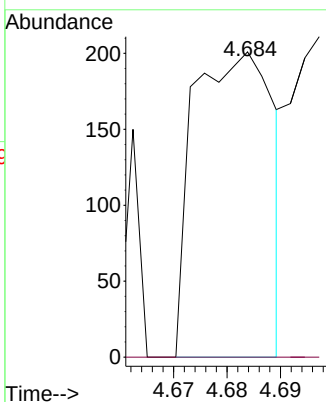
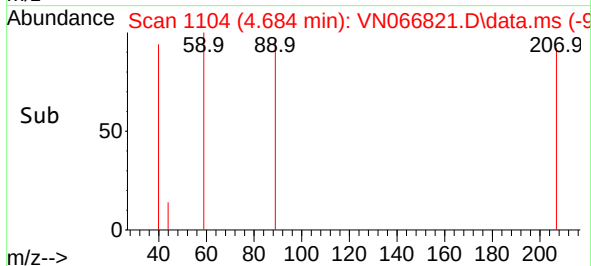
#11

Tert butyl alcohol
Concen: 0.34 ug/l
RT: 4.684 min Scan# 1104
Delta R.T. -0.018 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Instrument :
MSVOA_N
ClientSampled :

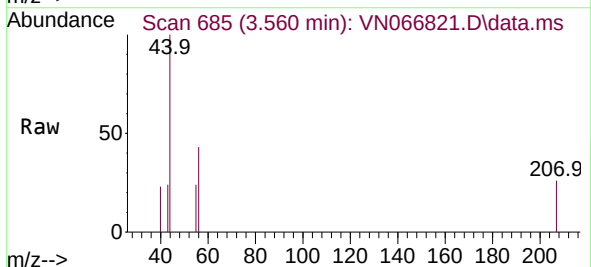


Tgt Ion: 59 Resp: 207
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

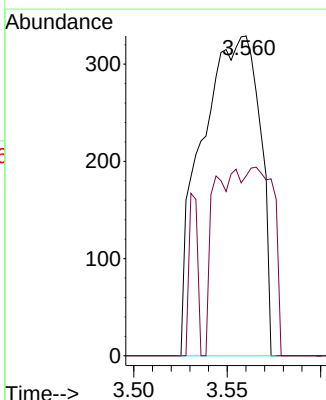
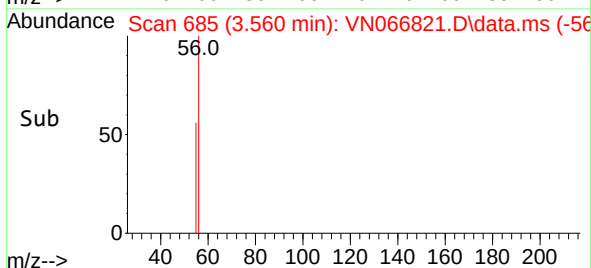


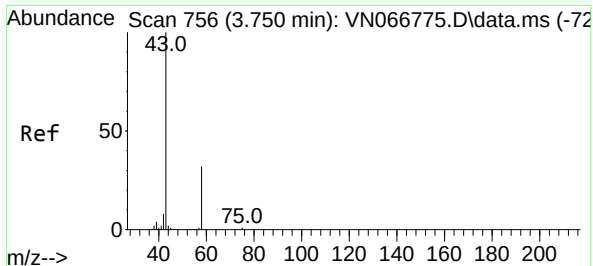
#13

Acrolein
Concen: 1.40 ug/l
RT: 3.560 min Scan# 685
Delta R.T. 0.013 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40



Tgt Ion: 56 Resp: 714
Ion Ratio Lower Upper
56 100
55 15.8 56.0 84.0#

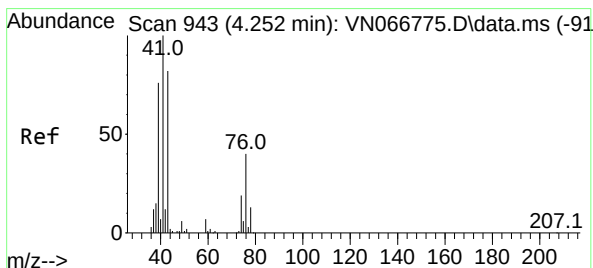
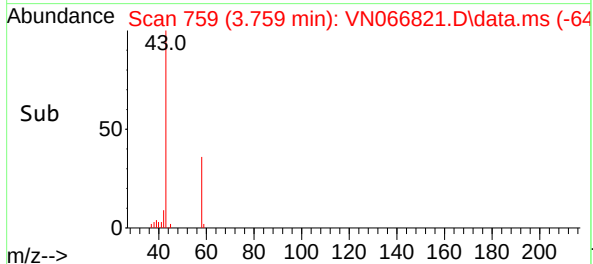
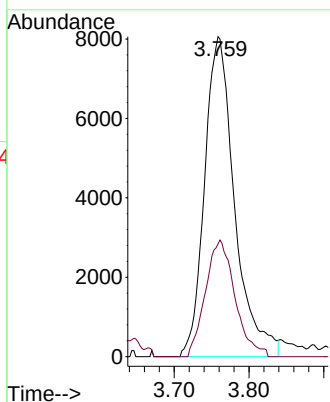
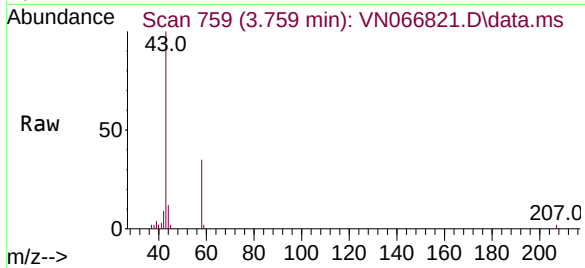




#16
Acetone
Concen: 15.08 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.009 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

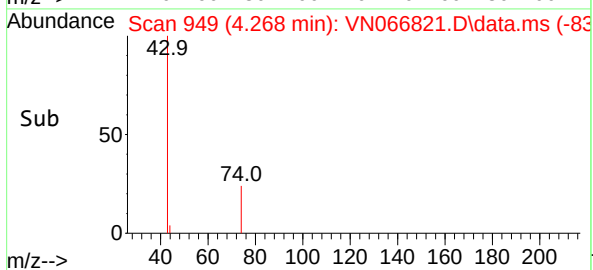
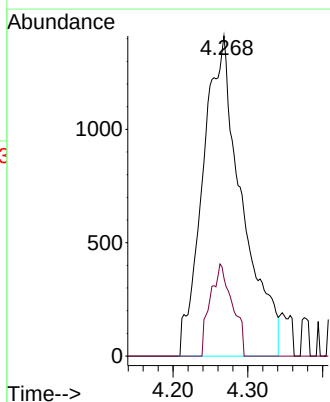
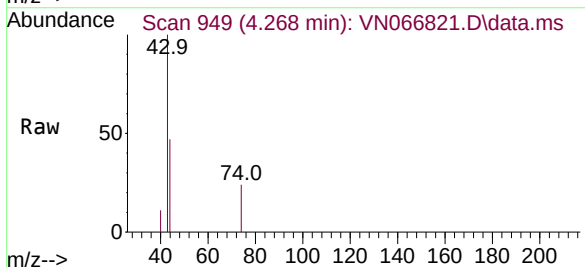
Instrument :
MSVOA_N
ClientSampleId :

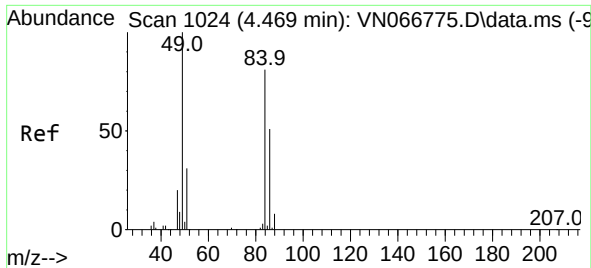
Tgt Ion: 43 Resp: 22495
Ion Ratio Lower Upper
43 100
58 35.3 27.0 40.6



#18
Methyl Acetate
Concen: 2.35 ug/l
RT: 4.268 min Scan# 949
Delta R.T. 0.016 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

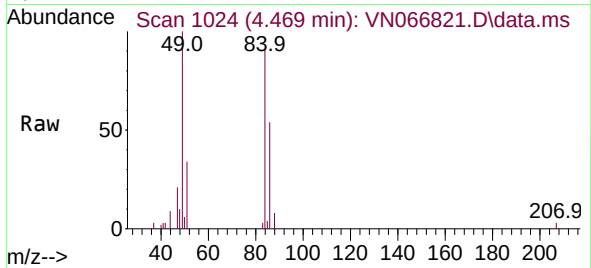
Tgt Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
74 16.4 19.5 29.3#



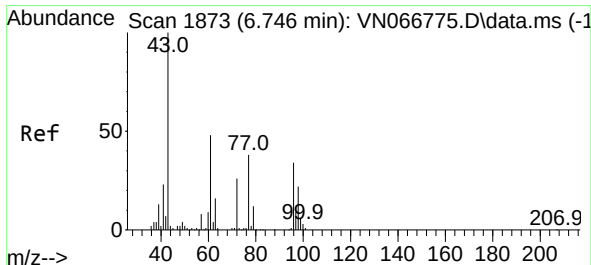
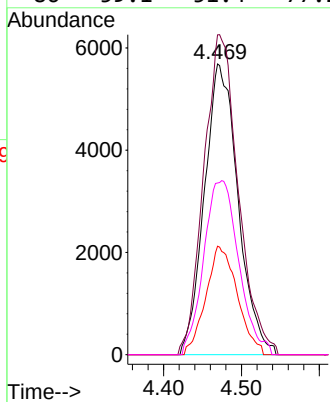
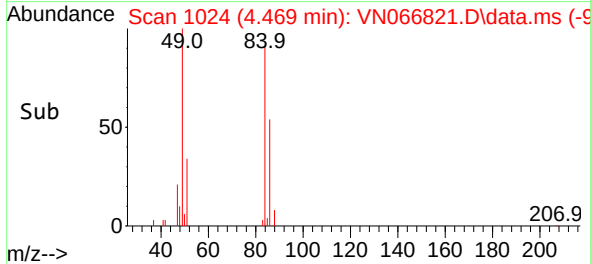


#20
Methylene Chloride
Concen: 4.51 ug/l
RT: 4.469 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

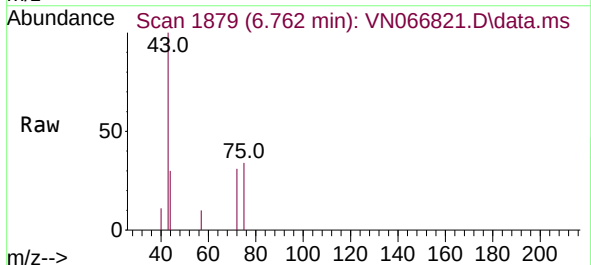
Instrument :
MSVOA_N
ClientSampled :



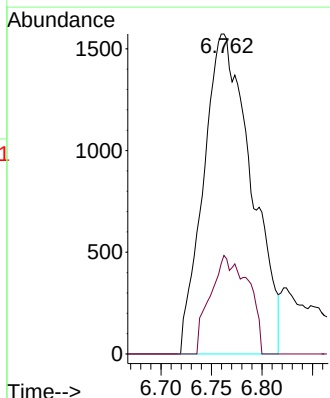
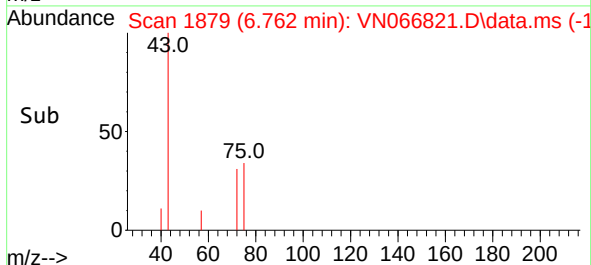
Tgt Ion:	84	Resp:	17056
Ion	Ratio	Lower	Upper
84	100		
49	110.1	94.6	141.8
51	37.3	29.9	44.9
86	59.1	51.4	77.2

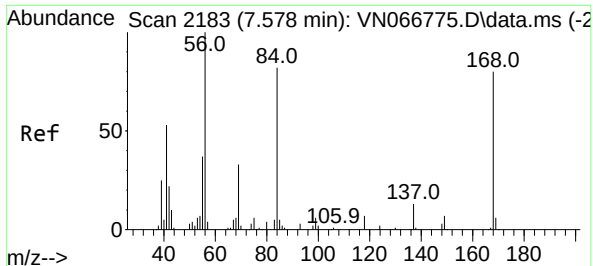


#25
2-Butanone
Concen: 2.46 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40



Tgt Ion:	43	Resp:	5165
Ion	Ratio	Lower	Upper
43	100		
72	30.8	23.1	34.7

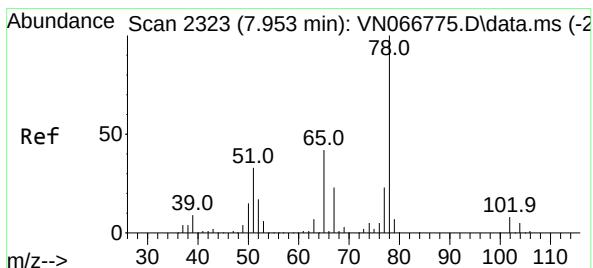
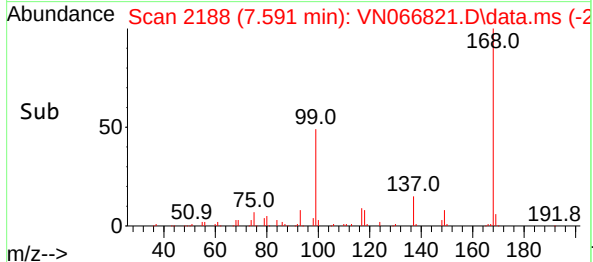
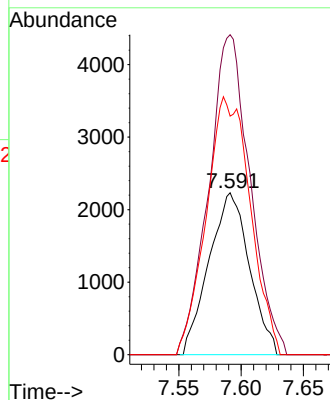
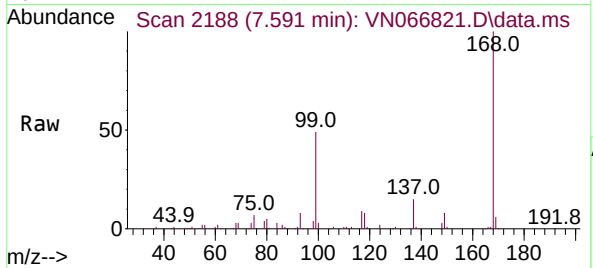




#31
Cyclohexane
Concen: 0.82 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.013 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

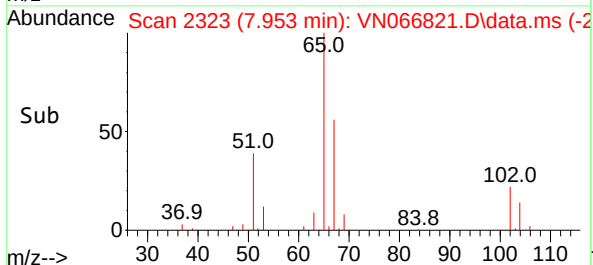
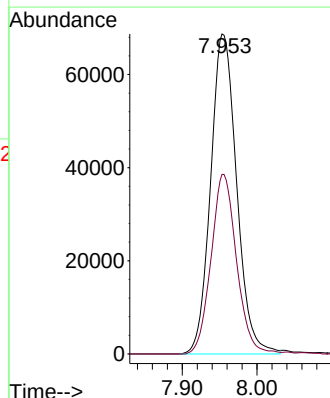
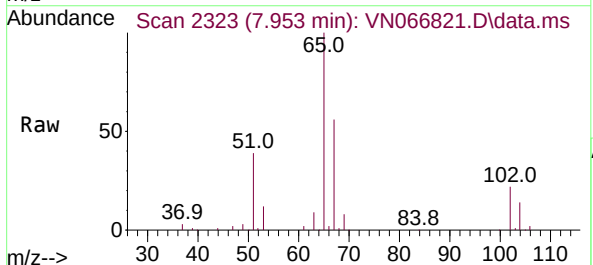
Instrument :
MSVOA_N
ClientSampled :

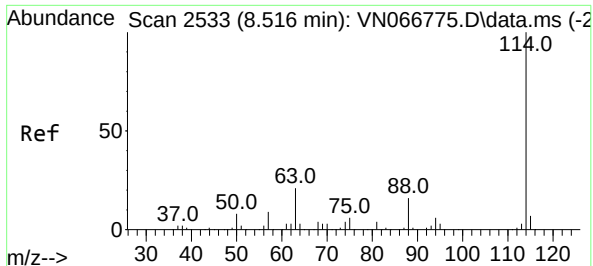
Tgt Ion: 56 Resp: 5041
Ion Ratio Lower Upper
56 100
69 190.5 26.6 39.8#
84 147.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 42.02 ug/l
RT: 7.953 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 65 Resp: 166170
Ion Ratio Lower Upper
65 100
67 54.9 0.0 107.2

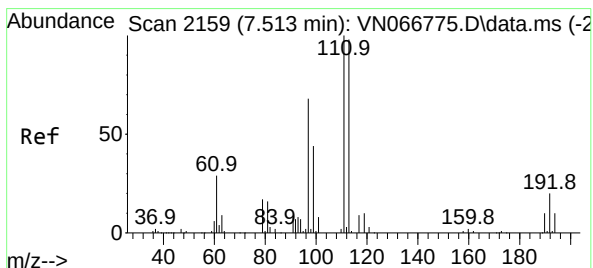
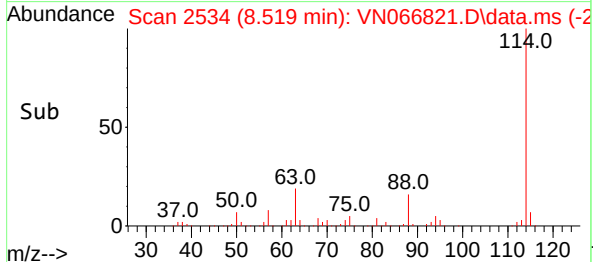
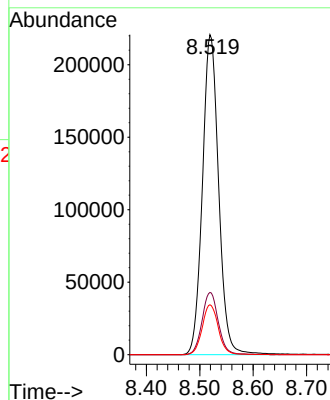
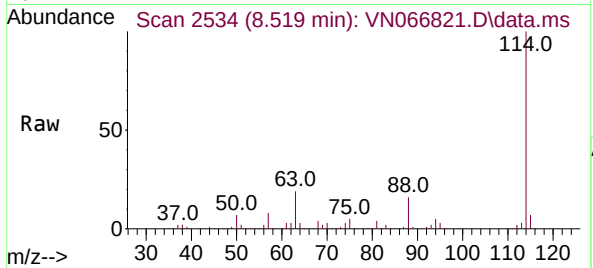




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.519 min Scan# 2534
Delta R.T. 0.003 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

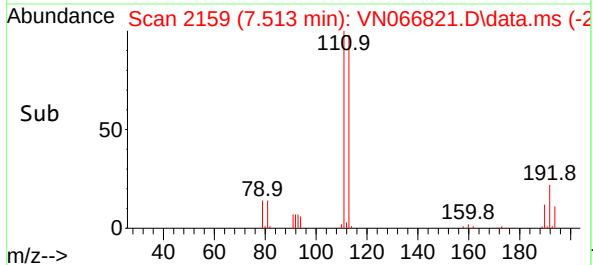
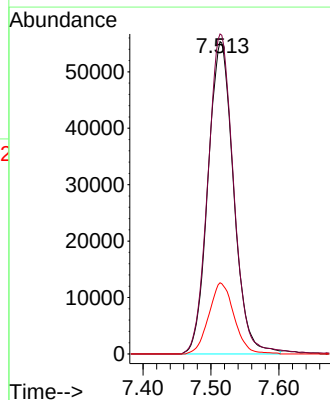
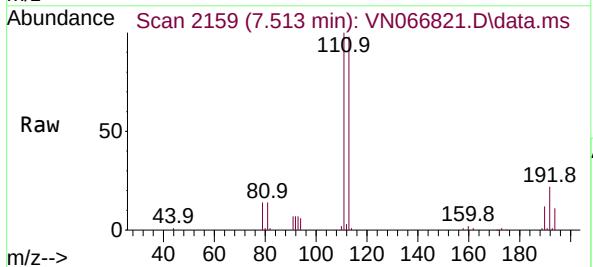
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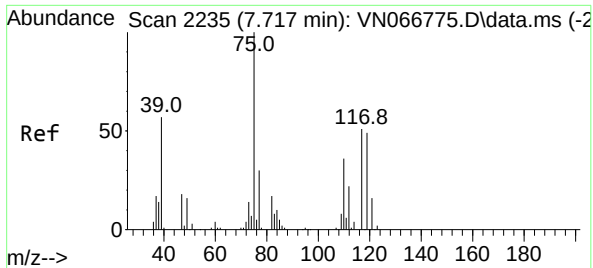
Tgt Ion:114 Resp: 465739
Ion Ratio Lower Upper
114 100
63 19.5 0.0 38.6
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.34 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion:113 Resp: 144727
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 22.6 15.4 23.0

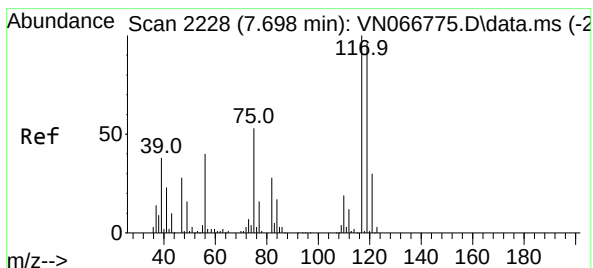
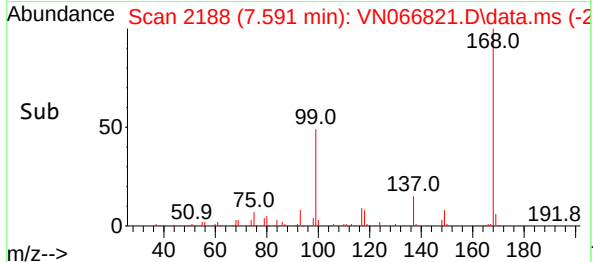
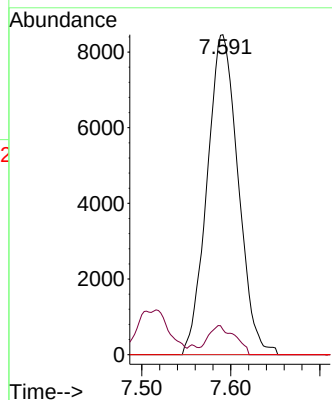
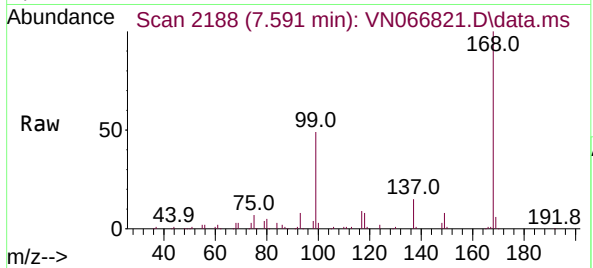




#36
 1,1-Dichloropropene
 Concen: 4.75 ug/l
 RT: 7.591 min Scan# 2188
 Delta R.T. -0.126 min
 Lab File: VN066821.D
 Acq: 28 Apr 2021 18:40

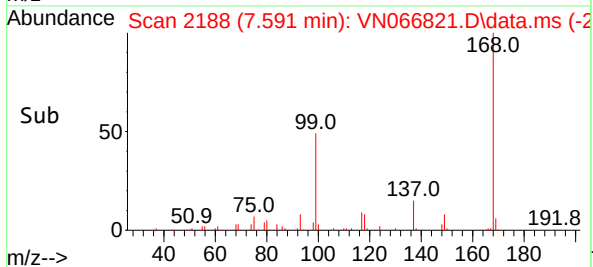
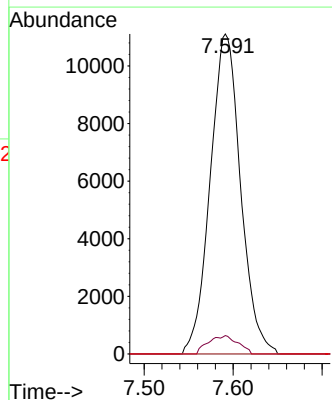
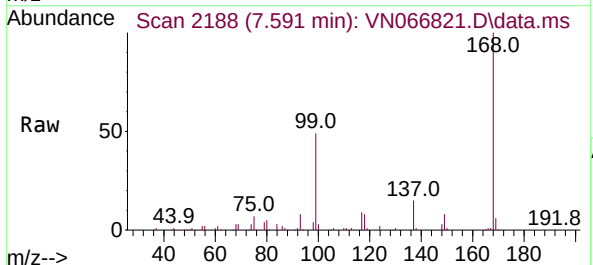
Instrument :
 MSVOA_N
 ClientSampled :

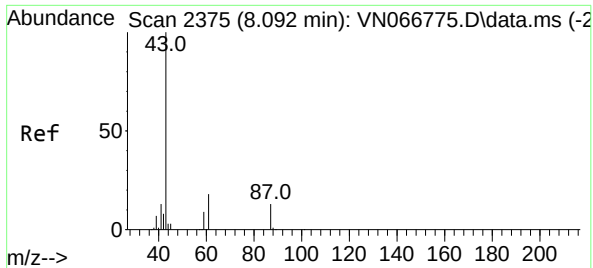
Tgt Ion: 75 Resp: 20538
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.2 54.6#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.35 ug/l
 RT: 7.591 min Scan# 2188
 Delta R.T. -0.107 min
 Lab File: VN066821.D
 Acq: 28 Apr 2021 18:40

Tgt Ion: 117 Resp: 26356
 Ion Ratio Lower Upper
 117 100
 119 5.7 76.0 114.0#
 121 0.0 24.5 36.7#

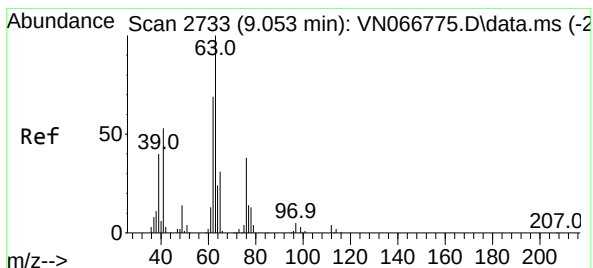
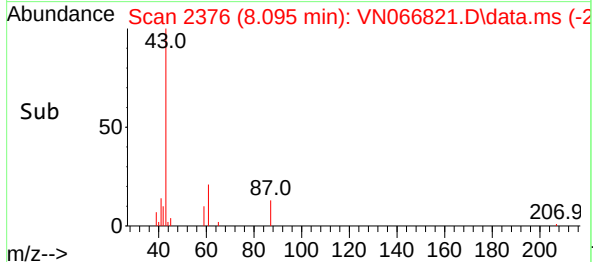
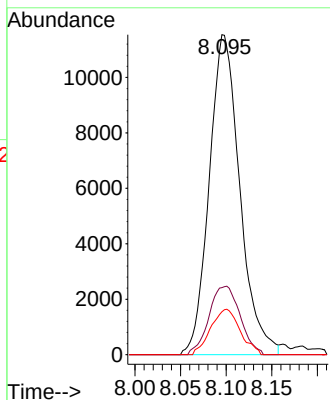
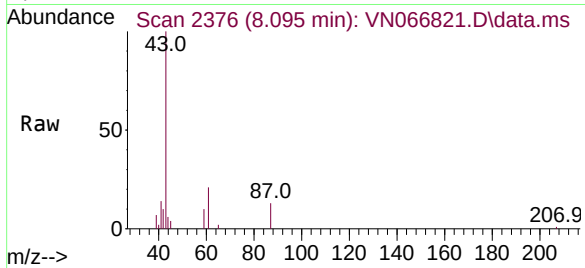




#43
Isopropyl Acetate
Concen: 3.69 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

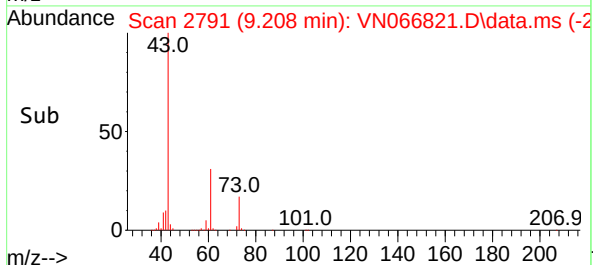
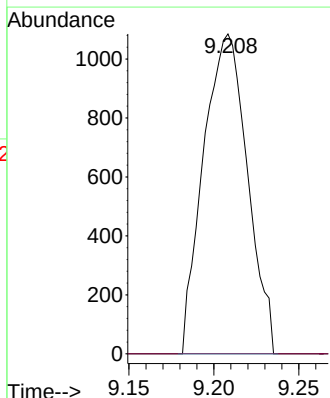
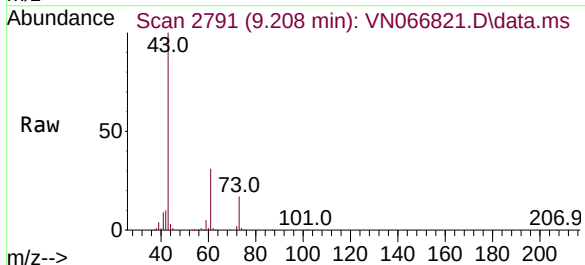
Instrument :
MSVOA_N
ClientSampleId :

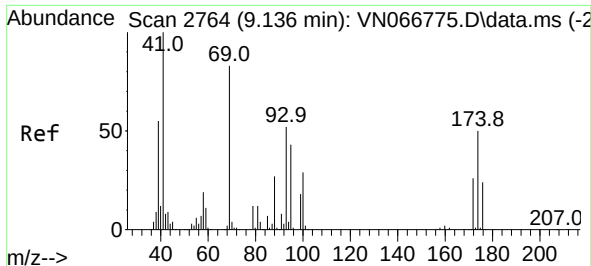
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.8	22.5	33.7#
87	13.6	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.55 ug/l
RT: 9.208 min Scan# 2791
Delta R.T. 0.155 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

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





#48

Methyl methacrylate

Concen: 2.05 ug/l

RT: 9.117 min Scan# 2757

Delta R.T. -0.019 min

Lab File: VN066821.D

Acq: 28 Apr 2021 18:40

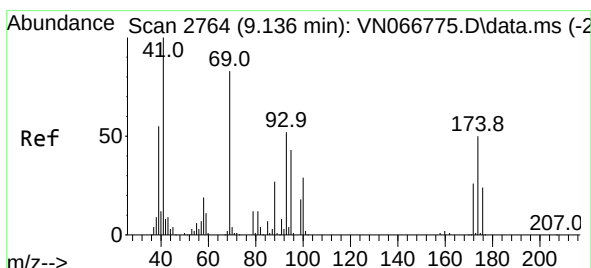
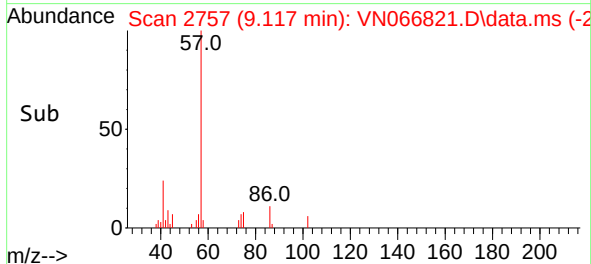
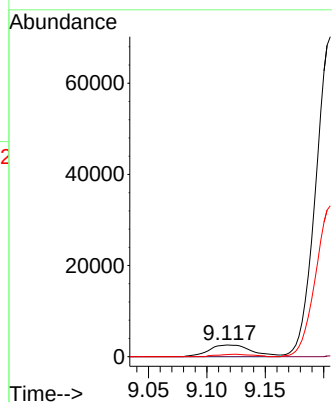
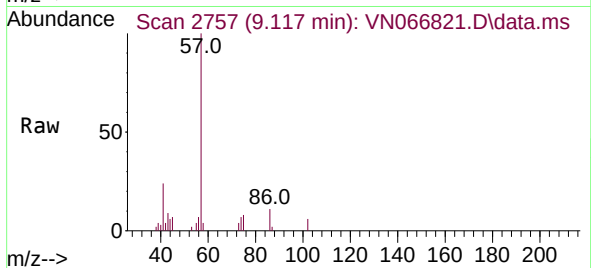
Tgt Ion: 41 Resp: 6522

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: 1.03 ug/l

RT: 9.211 min Scan# 2792

Delta R.T. 0.075 min

Lab File: VN066821.D

Acq: 28 Apr 2021 18:40

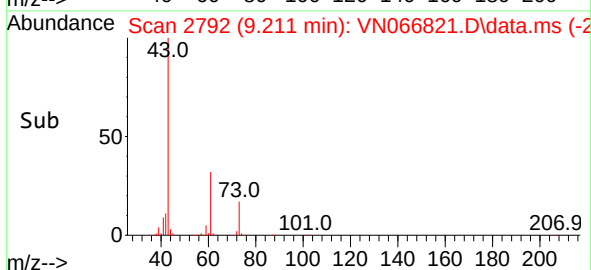
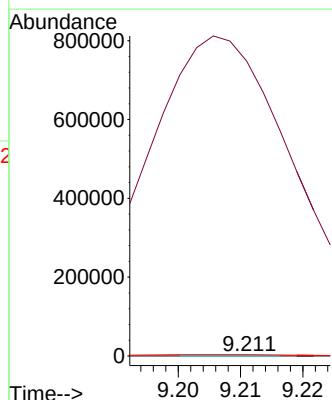
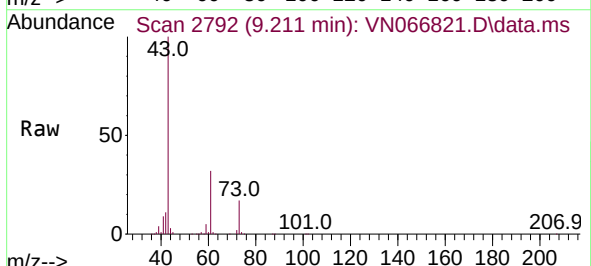
Tgt Ion: 88 Resp: 49

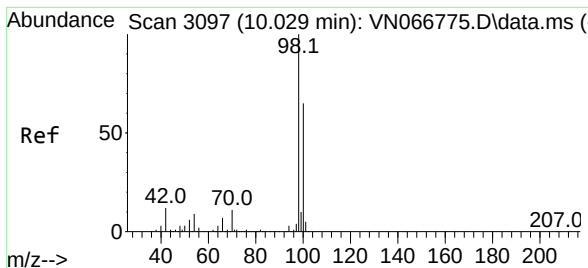
Ion Ratio Lower Upper

88 100

43 3112512.2 24.7 37.1#

58 14189.8 52.6 78.8#

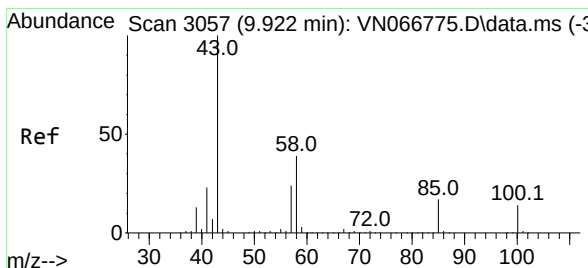
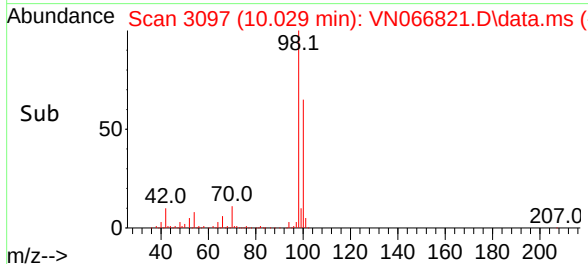
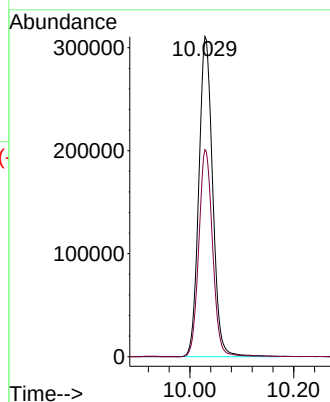
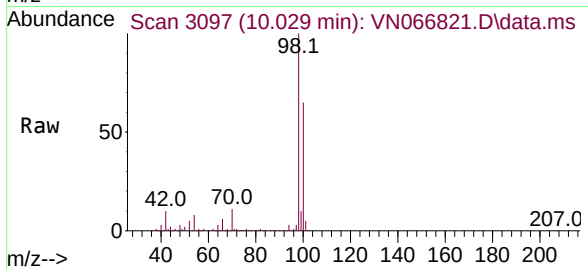




#50
Toluene-d8
Concen: 50.93 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

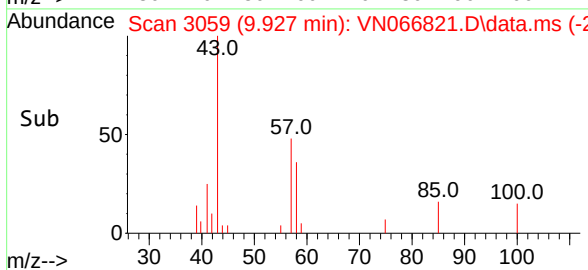
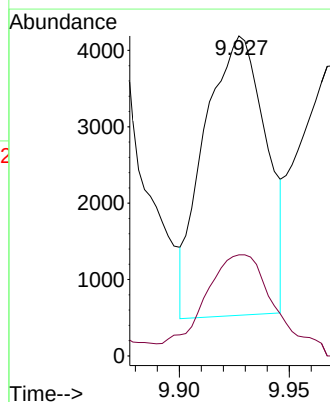
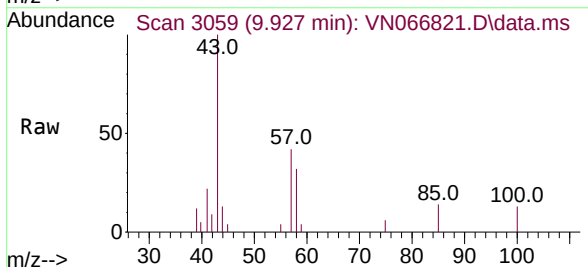
Instrument :
MSVOA_N
ClientSampled :

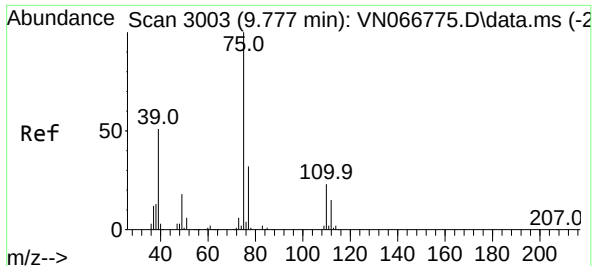
Tgt Ion: 98 Resp: 574720
Ion Ratio Lower Upper
98 100
100 64.5 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.80 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 43 Resp: 7139
Ion Ratio Lower Upper
43 100
58 41.8 32.5 48.7

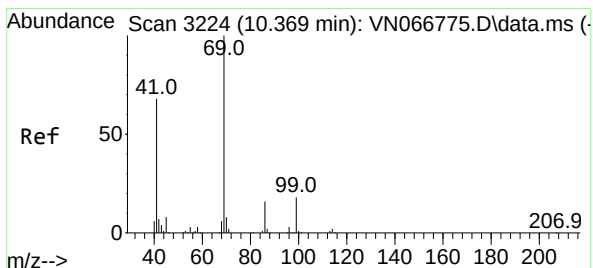
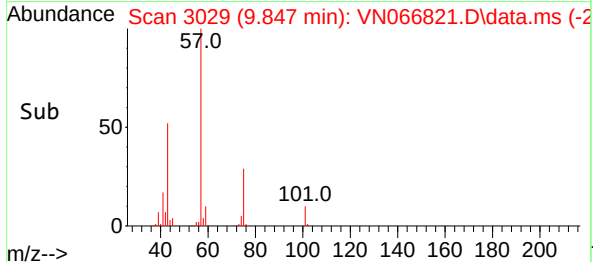
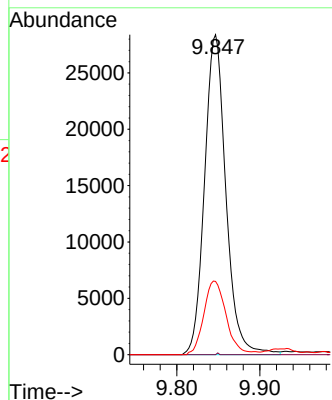
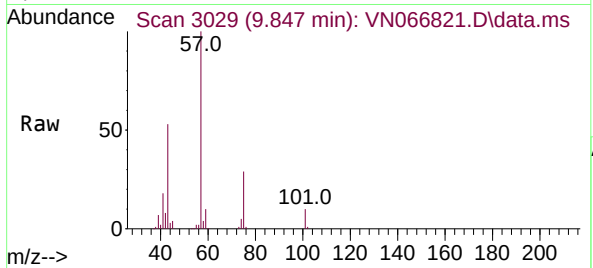




#54
cis-1,3-Dichloropropene
Concen: 9.21 ug/l
RT: 9.847 min Scan# 3029
Delta R.T. 0.070 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

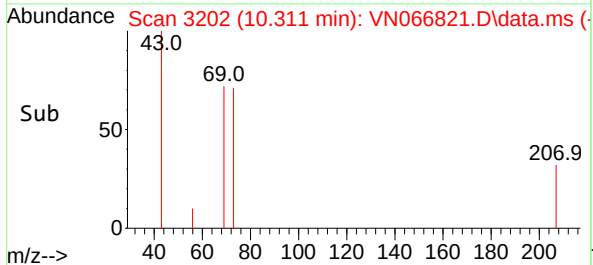
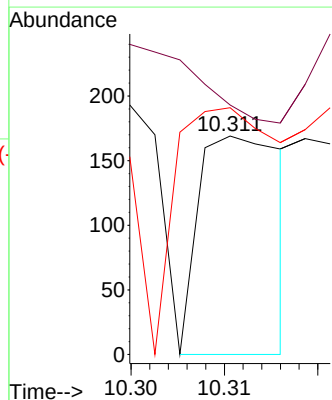
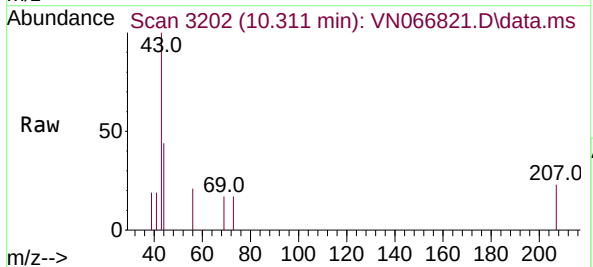
Instrument :
MSVOA_N
ClientSampled :

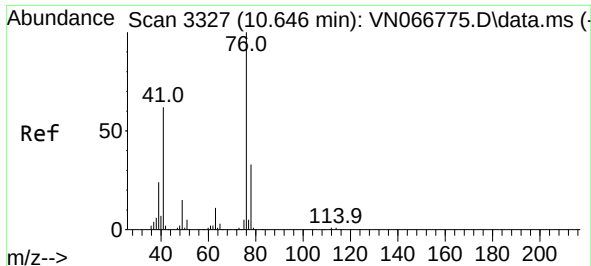
Tgt Ion: 75 Resp: 50678
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 22.9 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.311 min Scan# 3202
Delta R.T. -0.058 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 69 Resp: 105
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

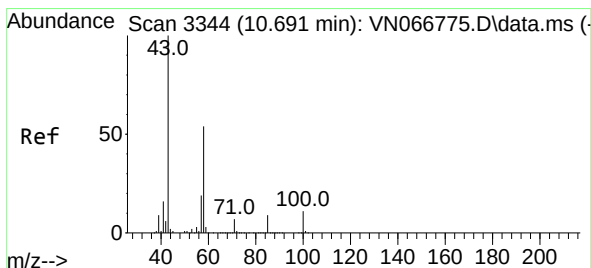
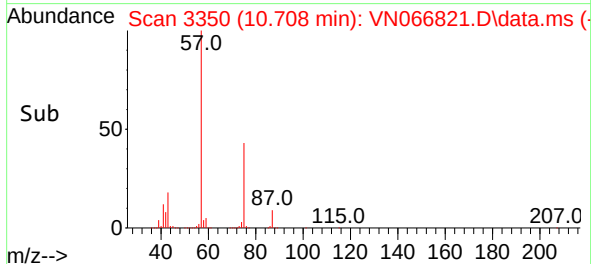
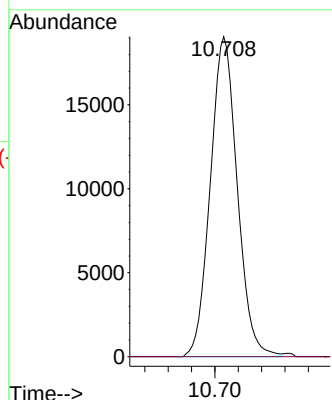
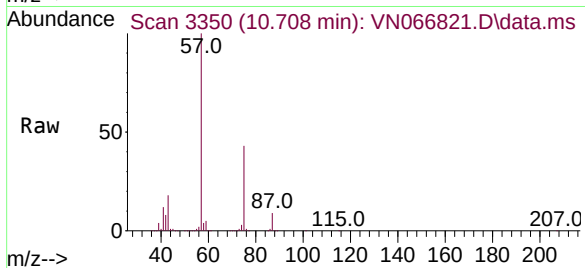




#57
1,3-Dichloropropane
Concen: 5.74 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.062 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

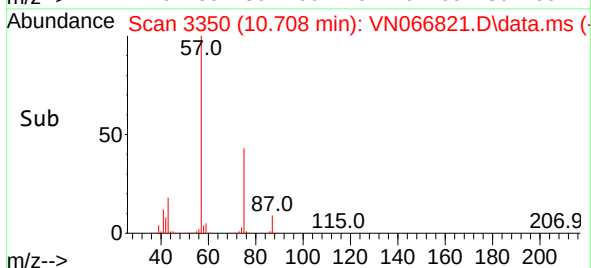
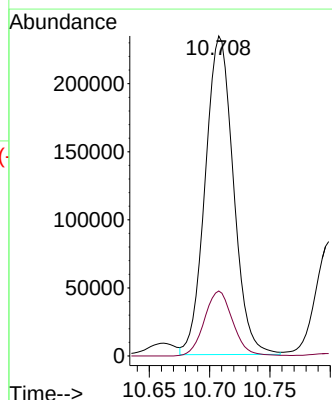
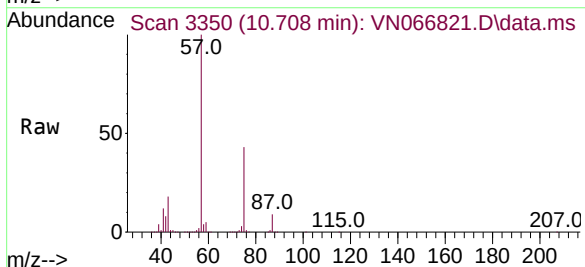
Instrument :
MSVOA_N
ClientSampleId :

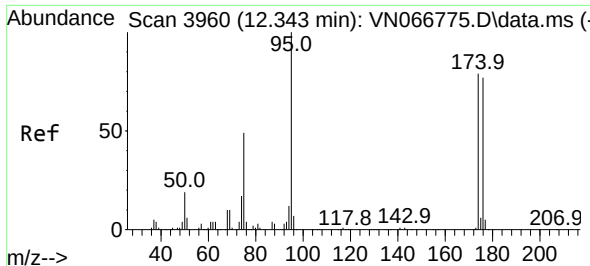
Tgt Ion: 76 Resp: 30484
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 131.87 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.017 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 43 Resp: 380628
Ion Ratio Lower Upper
43 100
58 20.6 28.1 84.3#

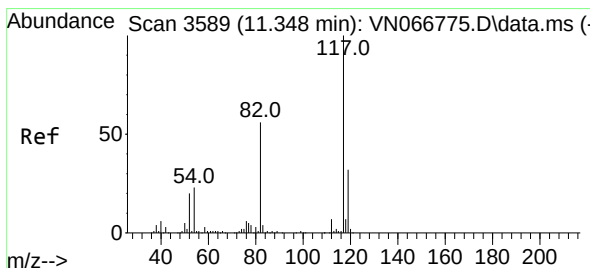
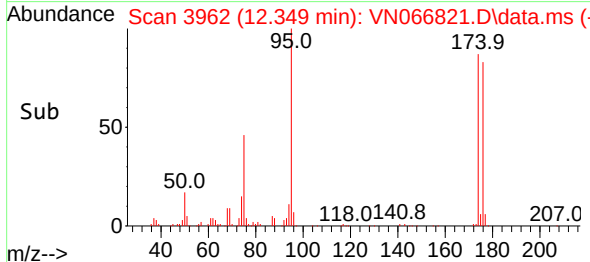
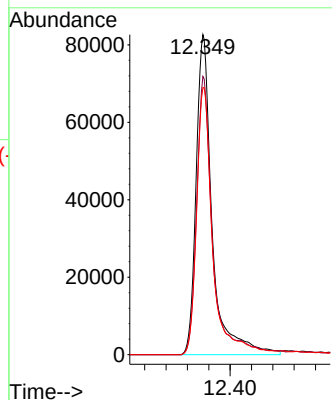
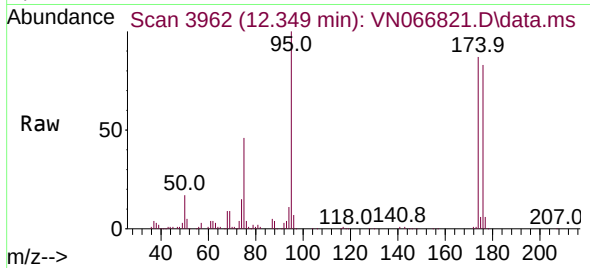




#62
4-Bromofluorobenzene
Concen: 45.51 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

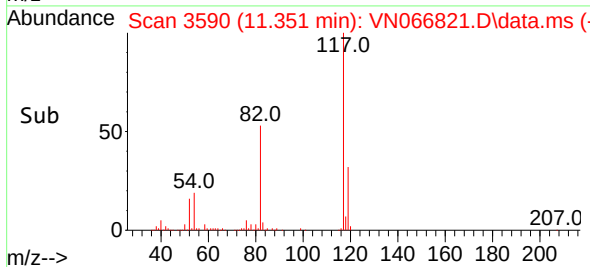
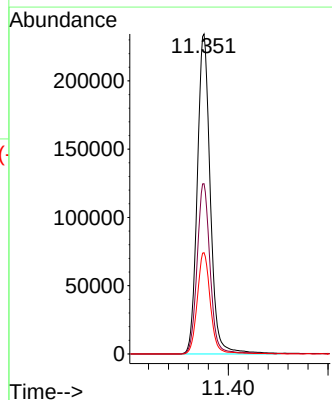
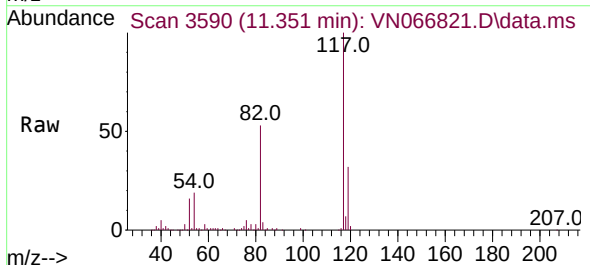
Instrument :
MSVOA_N
ClientSampled :

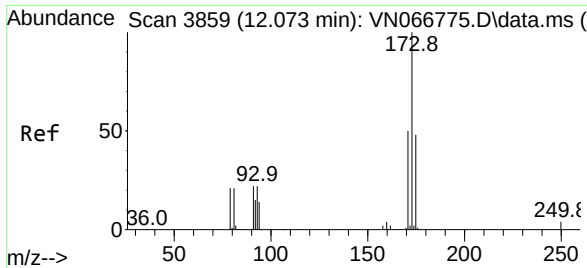
Tgt Ion: 95 Resp: 173779
Ion Ratio Lower Upper
95 100
174 81.0 0.0 169.0
176 83.8 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 117 Resp: 425287
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 31.7 26.1 39.1

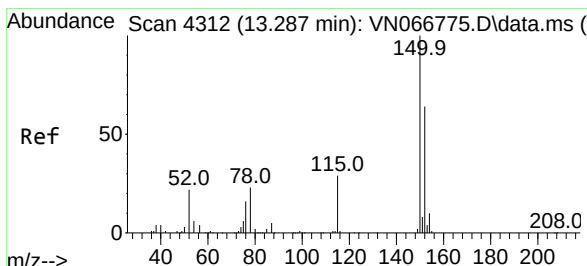
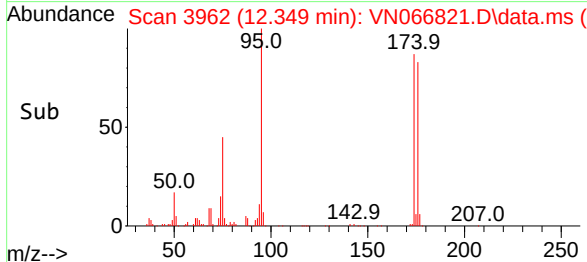
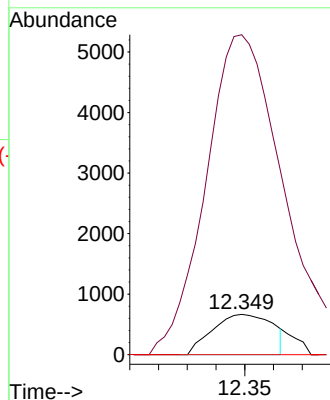
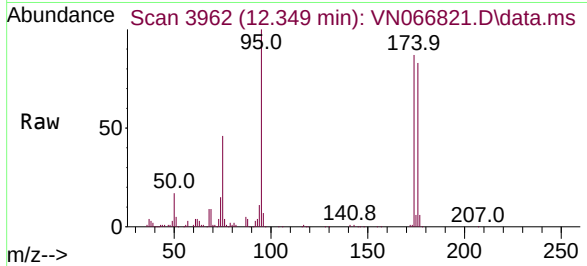




#71
Bromoform
Concen: 0.42 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.276 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

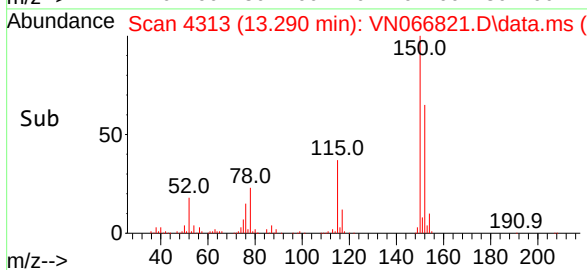
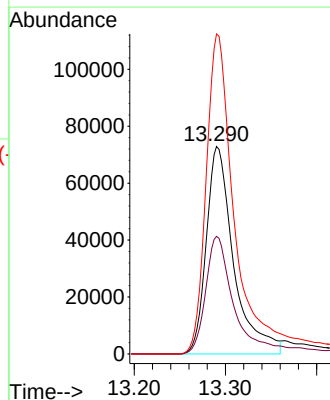
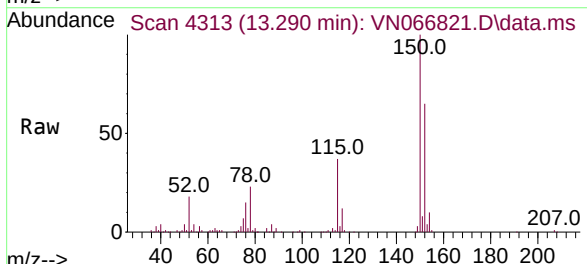
Instrument :
MSVOA_N
ClientSampled :

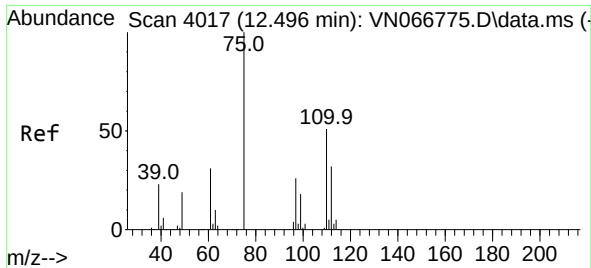
Tgt Ion:173 Resp: 971
Ion Ratio Lower Upper
173 100
175 854.6 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion:152 Resp: 152554
Ion Ratio Lower Upper
152 100
115 60.8 28.5 85.6
150 170.5 0.0 347.6

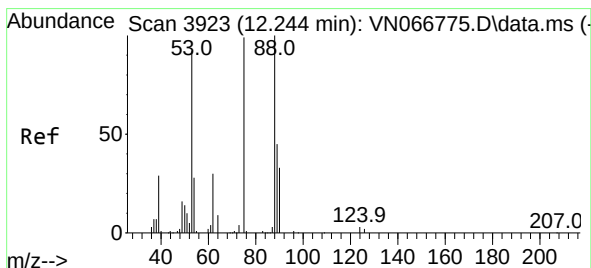
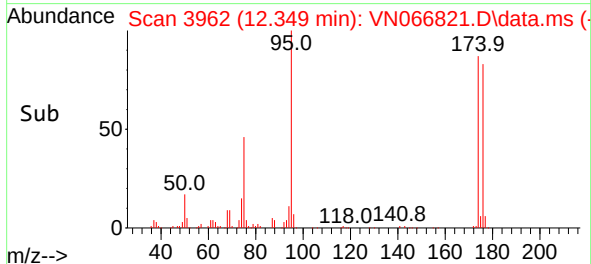
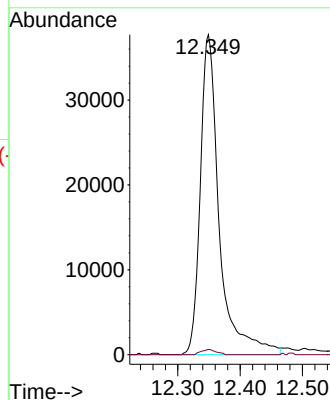
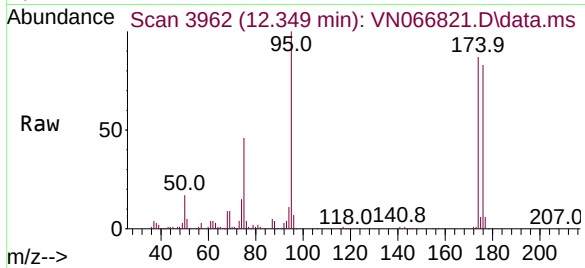




#76
1,2,3-Trichloropropane
Concen: 24.77 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

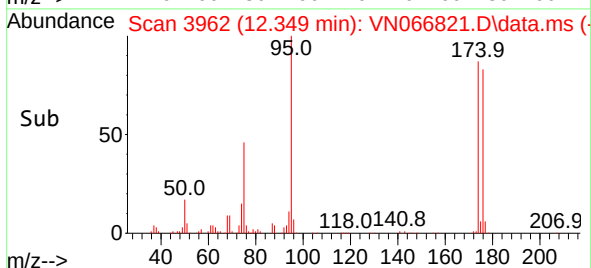
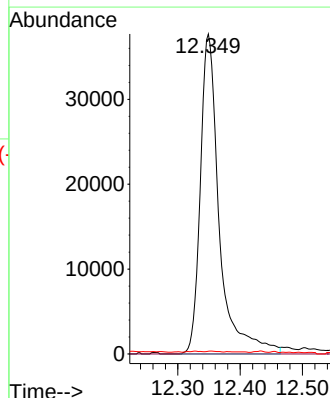
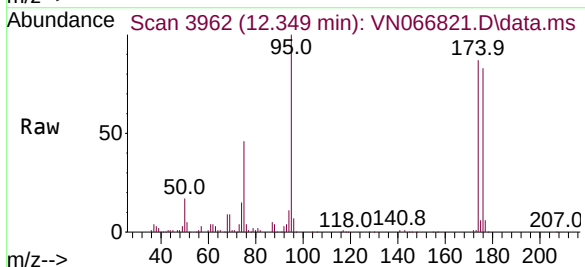
Instrument :
MSVOA_N
ClientSampleId :

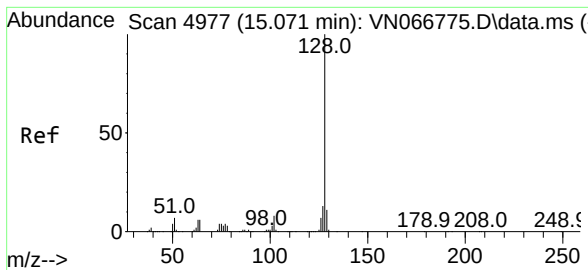
Tgt Ion: 75 Resp: 79641
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.47 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Tgt Ion: 75 Resp: 79641
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#





#95
Naphthalene
Concen: 0.62 ug/l
RT: 15.098 min Scan# 4987
Delta R.T. 0.027 min
Lab File: VN066821.D
Acq: 28 Apr 2021 18:40

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128	Resp:	4221
Ion Ratio	Lower	Upper
128	100	
127	2.4	10.2 15.2#
129	4.0	8.6 13.0#

