

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066845.D
 Acq On : 29 Apr 2021 5:17
 Operator : JC/MD
 Sample : M2170-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 07:46:01 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)

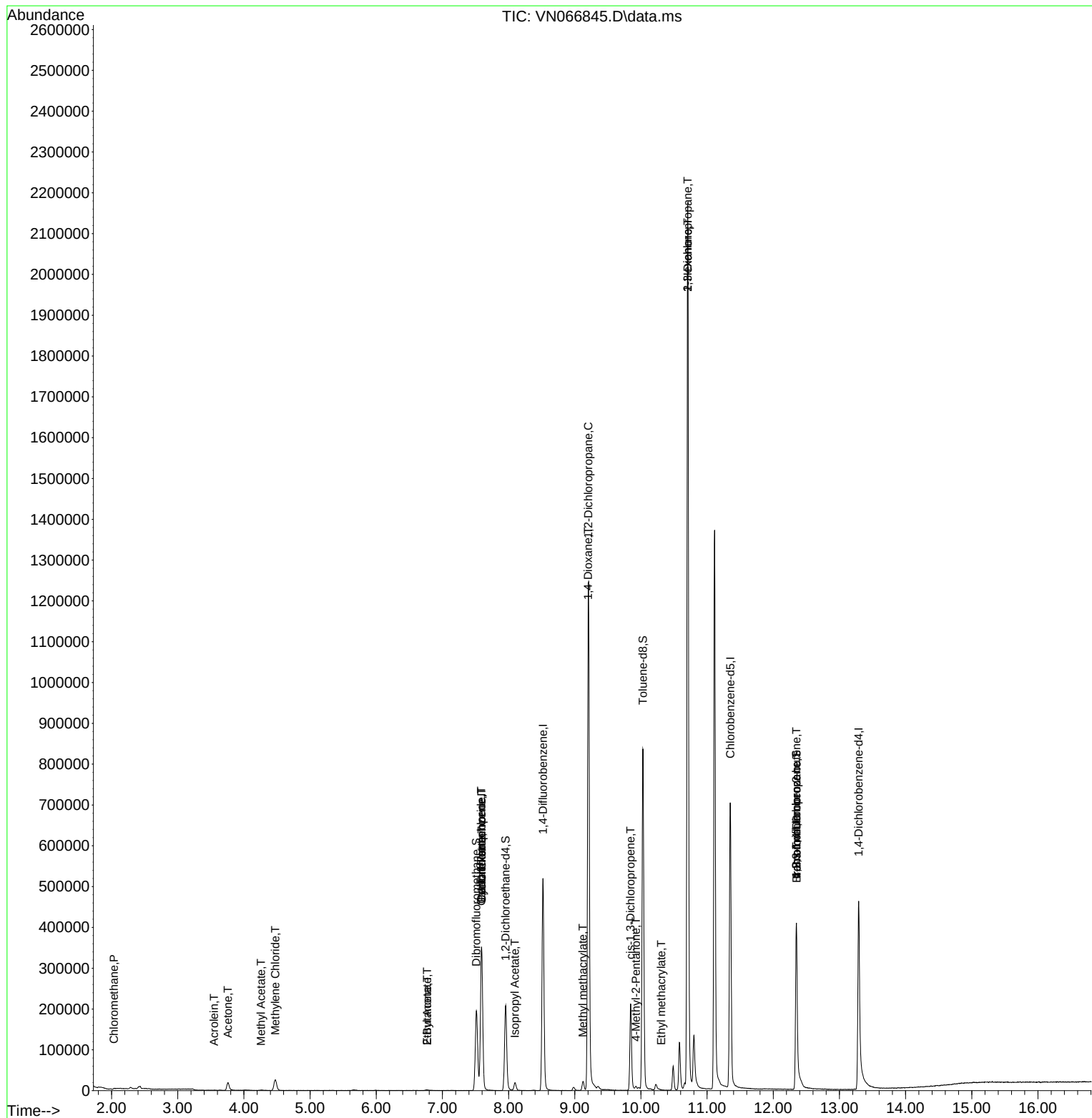
Internal Standards						
1) Pentafluorobenzene	7.591	168	320356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	486474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.351	117	459485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	187806	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	175233	42.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 85.14%			
35) Dibromofluoromethane	7.513	113	157116	52.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.64%			
50) Toluene-d8	10.029	98	610350	51.78	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.56%			
62) 4-Bromofluorobenzene	12.349	95	181278	45.45	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.90%			
Target Compounds						Qvalue
3) Chloromethane	2.034	50	971	0.21	ug/l	95
13) Acrolein	3.547	56	253	0.48	ug/l #	63
16) Acetone	3.759	43	31873	20.53	ug/l	96
18) Methyl Acetate	4.260	43	1575	1.48	ug/l #	73
20) Methylene Chloride	4.475	84	21496	5.46	ug/l	95
25) 2-Butanone	6.770	43	4216	1.93	ug/l	96
31) Cyclohexane	7.594	56	5539	0.87	ug/l #	1
36) 1,1-Dichloropropene	7.591	75	20381	4.51	ug/l #	48
37) Ethyl Acetate	6.770	43	4216	0.88	ug/l #	68
38) Carbon Tetrachloride	7.588	117	26498	6.11	ug/l #	17
43) Isopropyl Acetate	8.095	43	23984	3.14	ug/l #	90
45) 1,2-Dichloropropane	9.206	63	1500	0.40	ug/l #	44
48) Methyl methacrylate	9.120	41	5435	1.63	ug/l #	10
49) 1,4-Dioxane	9.200	88	81	1.63	ug/l #	1
51) 4-Methyl-2-Pentanone	9.927	43	6426	1.55	ug/l	98
54) cis-1,3-Dichloropropene	9.844	75	43143	7.51	ug/l #	59
56) Ethyl methacrylate	10.308	69	86	3.18	ug/l #	27
57) 1,3-Dichloropropane	10.708	76	24626	4.44	ug/l #	43
59) 2-Hexanone	10.708	43	297120	103.49	ug/l #	52
71) Bromoform	12.352	173	1109	0.44	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	84431	21.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	84431	58.23	ug/l #	12

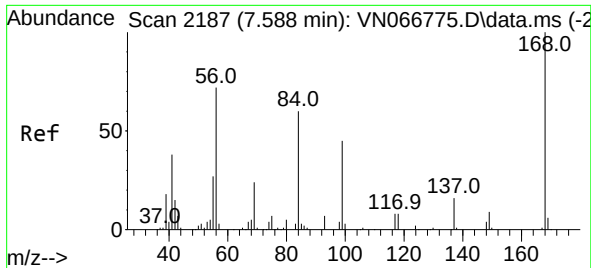
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 29 07:46:01 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

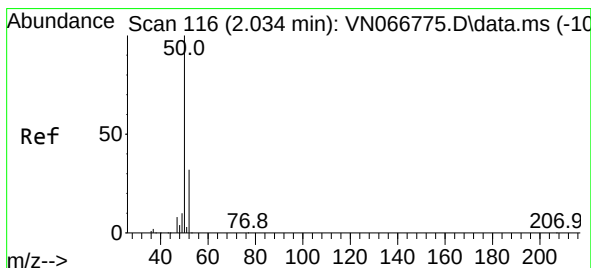
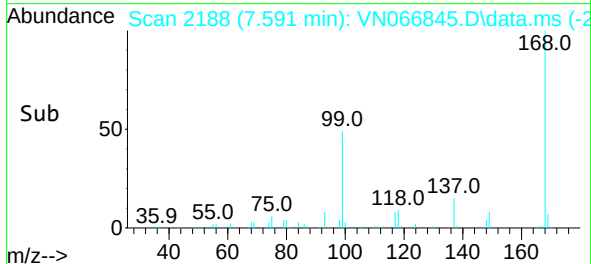
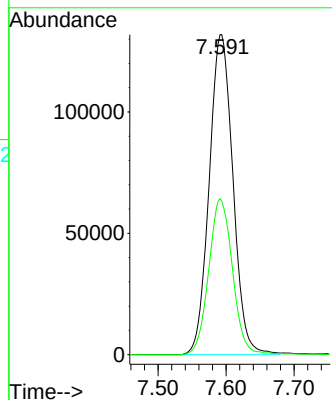
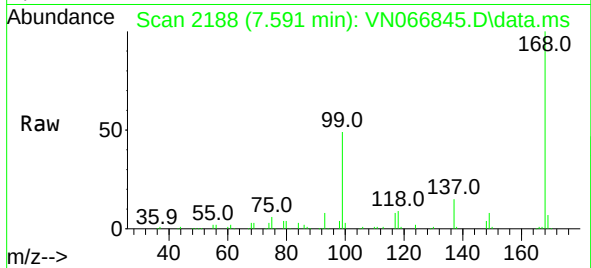




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

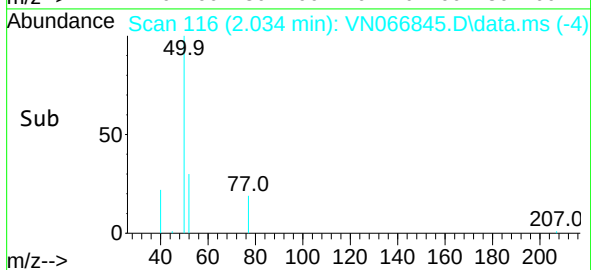
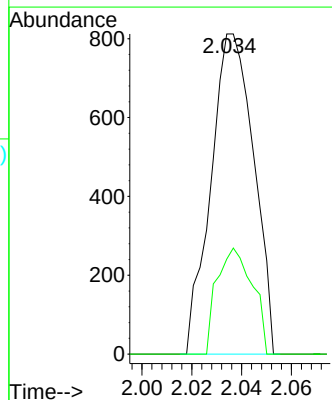
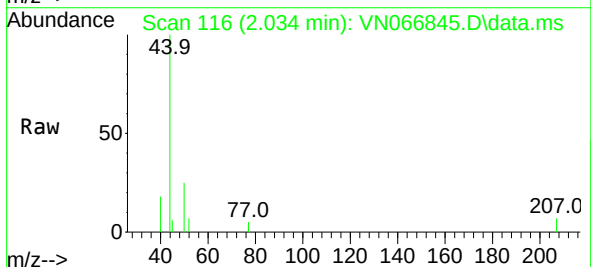
Instrument :
MSVOA_N
ClientSampled :

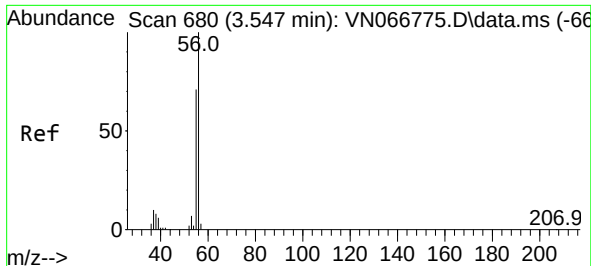
Tgt Ion:168 Resp: 320356
Ion Ratio Lower Upper
168 100
99 48.8 42.6 63.8



#3
Chloromethane
Concen: 0.21 ug/l
RT: 2.034 min Scan# 116
Delta R.T. 0.000 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 50 Resp: 971
Ion Ratio Lower Upper
50 100
52 29.7 25.8 38.8

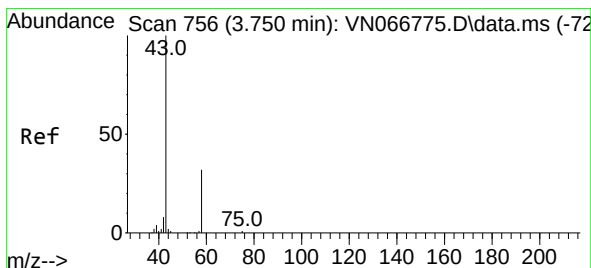
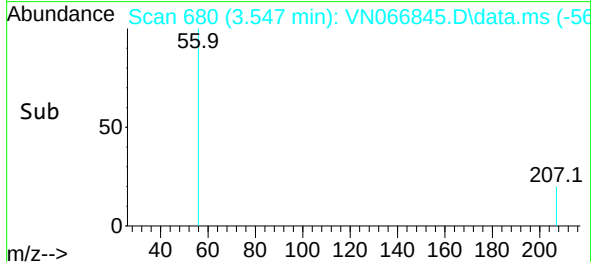
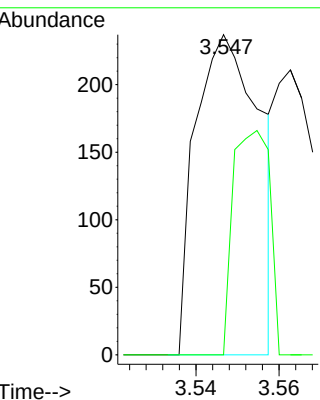
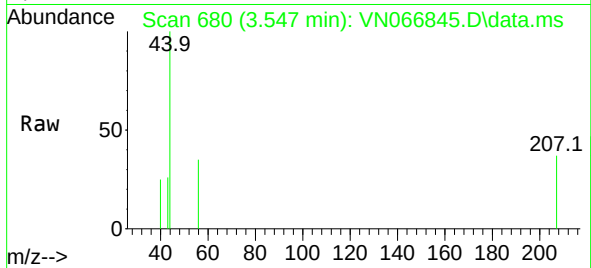




#13
Acrolein
Concen: 0.48 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

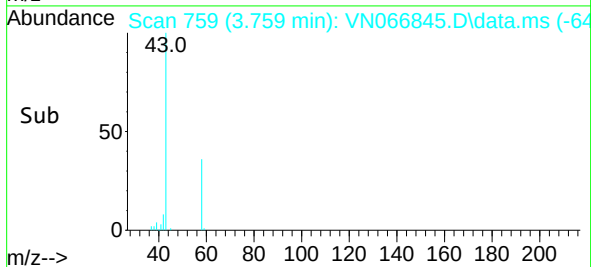
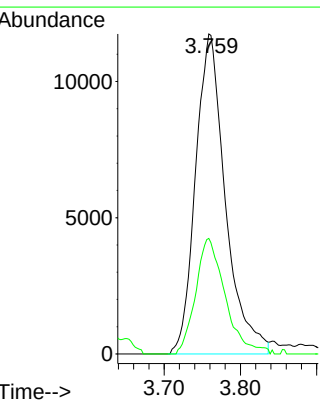
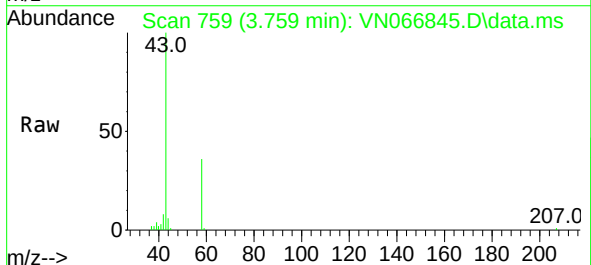
Instrument :
MSVOA_N
ClientSampled :

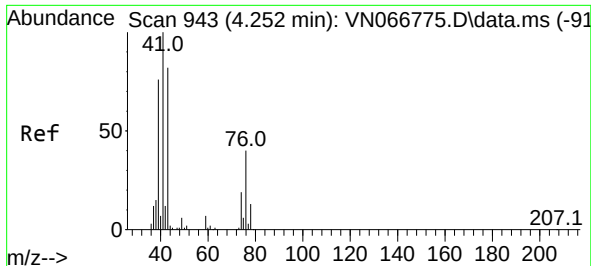
Tgt Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 39.9 56.0 84.0#



#16
Acetone
Concen: 20.53 ug/l
RT: 3.759 min Scan# 759
Delta R.T. 0.009 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

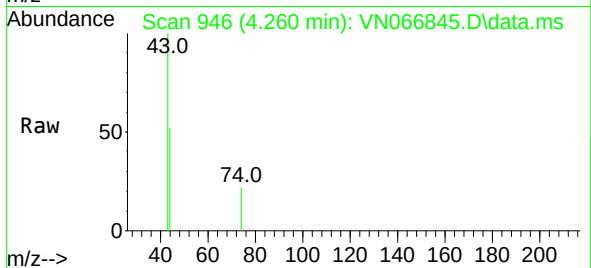
Tgt Ion: 43 Resp: 31873
Ion Ratio Lower Upper
43 100
58 36.1 27.0 40.6



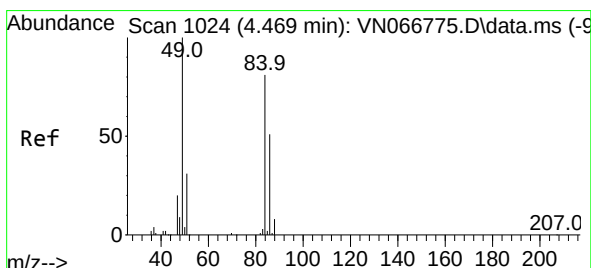
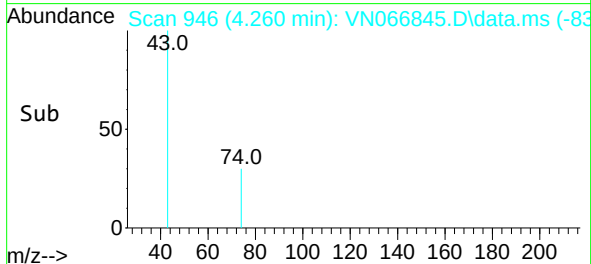
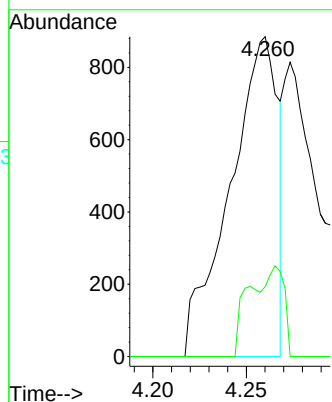


#18
Methyl Acetate
Concen: 1.48 ug/l
RT: 4.260 min Scan# 946
Delta R.T. 0.008 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Instrument :
MSVOA_N
ClientSampled :

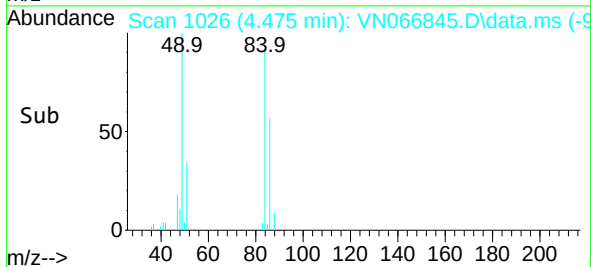
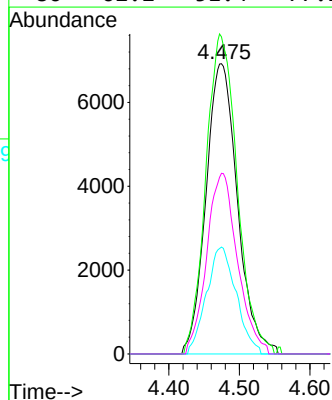
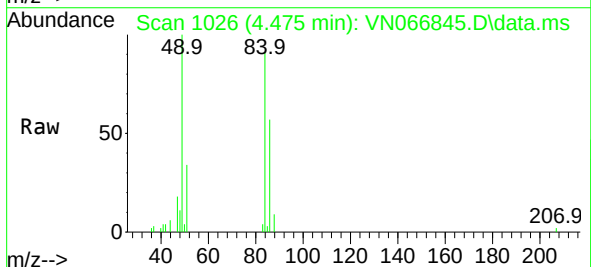


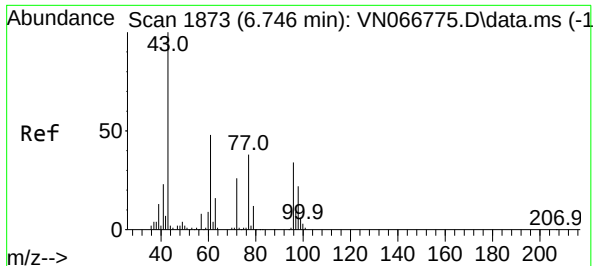
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
74 11.2 19.5 29.3#



#20
Methylene Chloride
Concen: 5.46 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 84 Resp: 21496
Ion Ratio Lower Upper
84 100
49 109.3 94.6 141.8
51 36.8 29.9 44.9
86 62.2 51.4 77.2

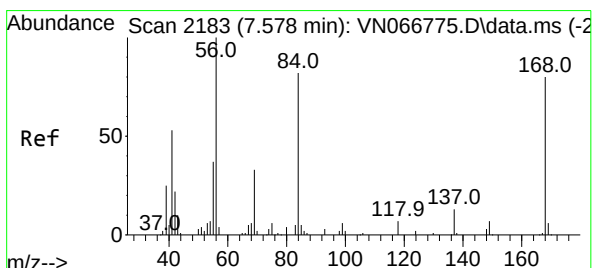
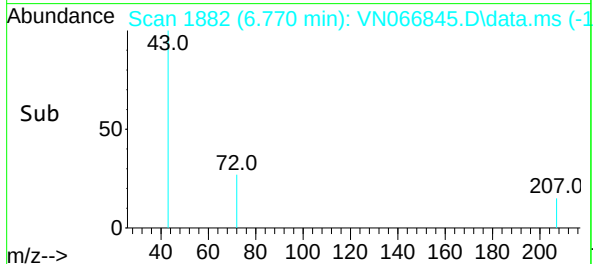
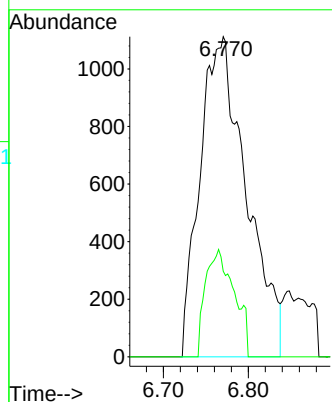
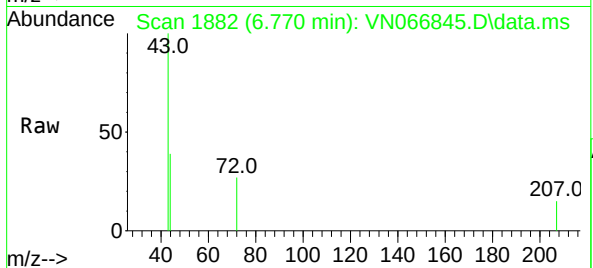




#25
2-Butanone
Concen: 1.93 ug/l
RT: 6.770 min Scan# 1882
Delta R.T. 0.024 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

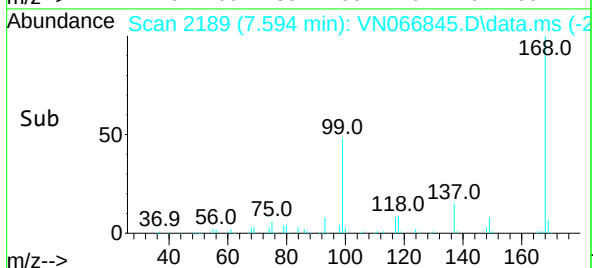
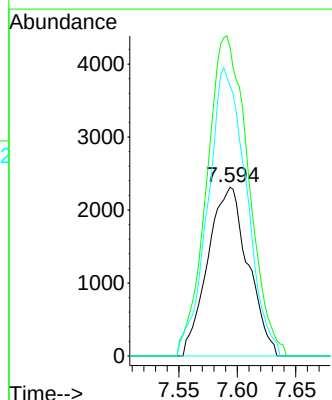
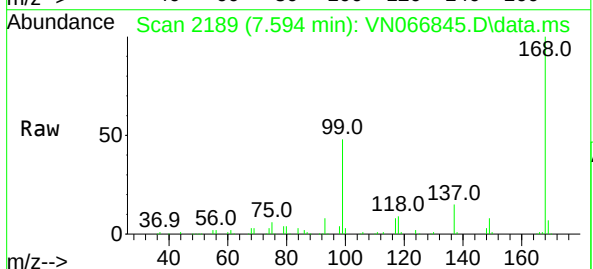
Instrument :
MSVOA_N
ClientSampled :

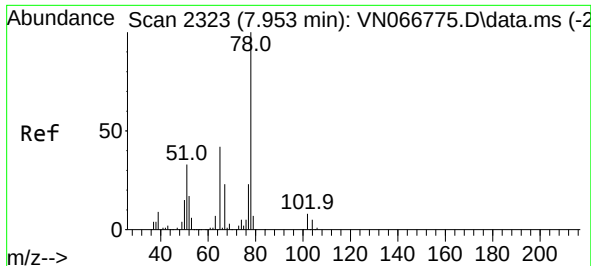
Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
72 26.7 23.1 34.7



#31
Cyclohexane
Concen: 0.87 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.016 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 56 Resp: 5539
Ion Ratio Lower Upper
56 100
69 175.5 26.6 39.8#
84 159.7 70.4 105.6#

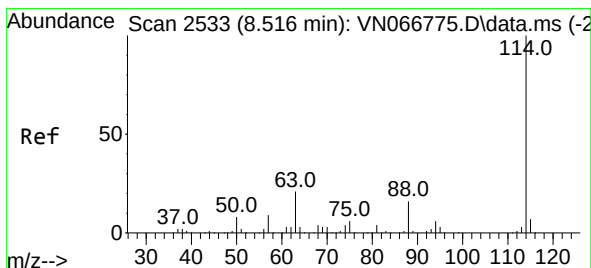
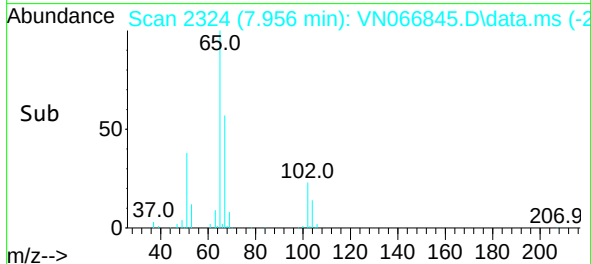
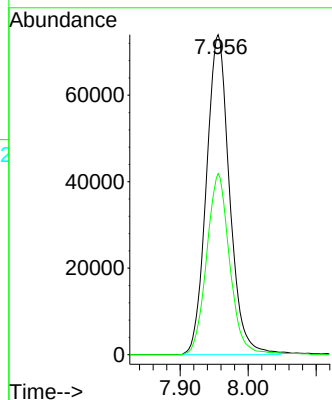
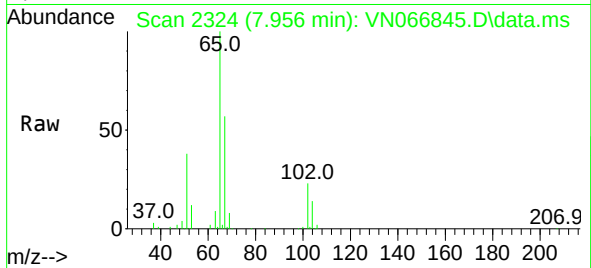




#33
 1,2-Dichloroethane-d4
 Concen: 42.57 ug/l
 RT: 7.956 min Scan# 2324
 Delta R.T. 0.003 min
 Lab File: VN066845.D
 Acq: 29 Apr 2021 5:17

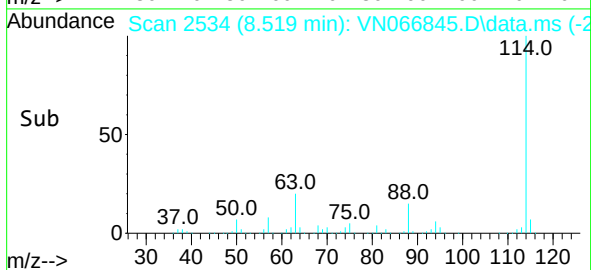
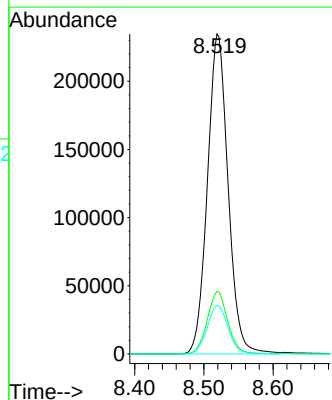
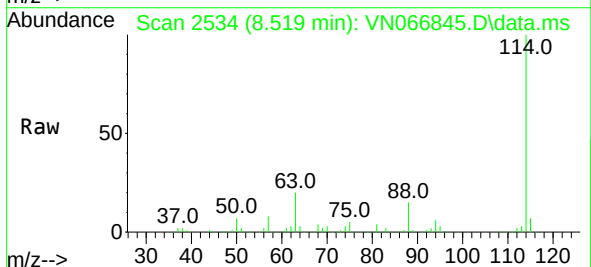
Instrument :
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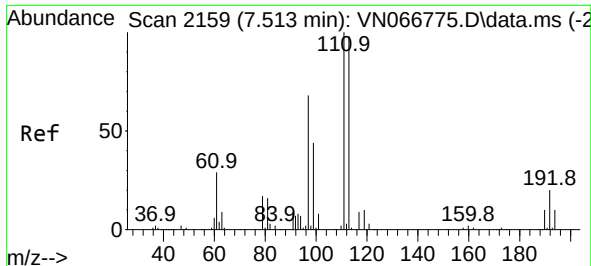
Tgt Ion: 65 Resp: 175233
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066845.D
 Acq: 29 Apr 2021 5:17

Tgt Ion: 114 Resp: 486474
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.6

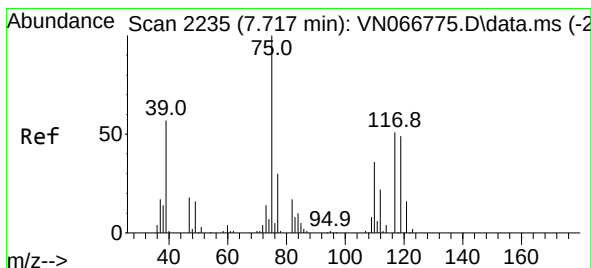
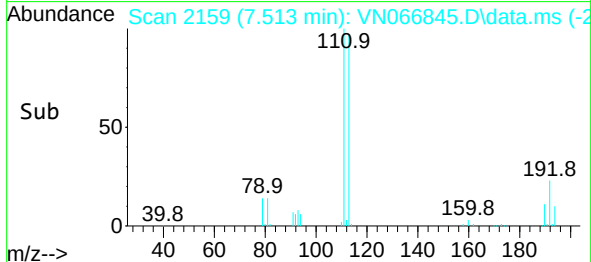
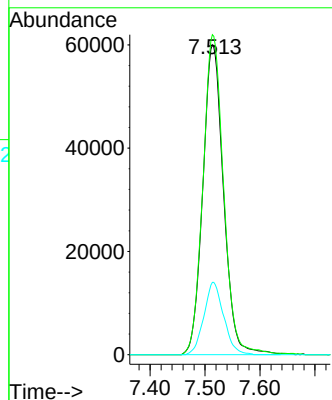
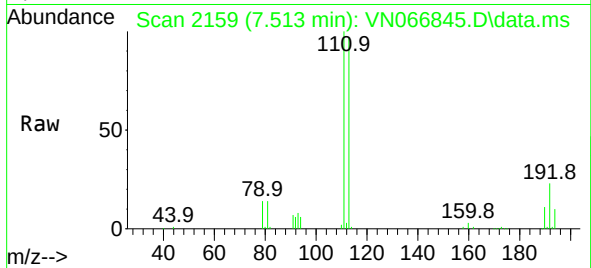




#35
Dibromofluoromethane
Concen: 52.32 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

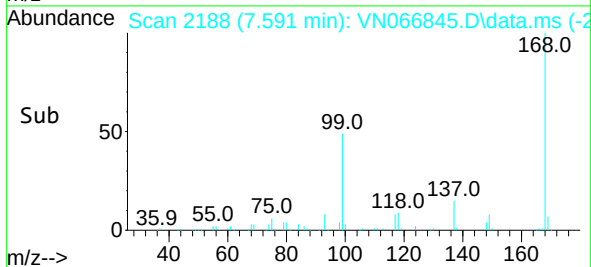
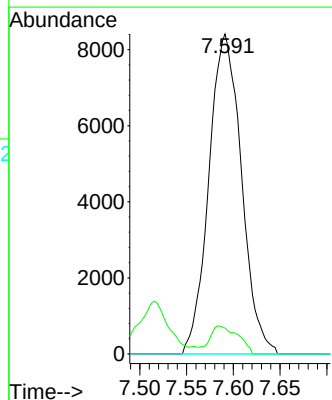
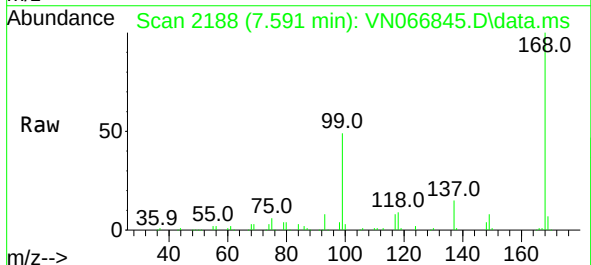
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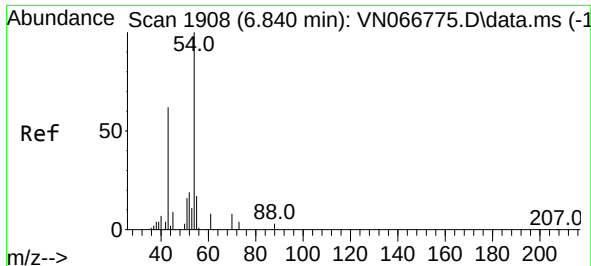
Tgt Ion:113 Resp: 157116
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 22.3 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.51 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.126 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 75 Resp: 20381
Ion Ratio Lower Upper
75 100
110 7.6 18.2 54.6#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 0.88 ug/l

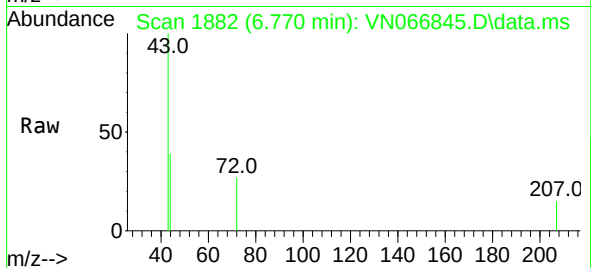
RT: 6.770 min Scan# 1882

Delta R.T. -0.070 min

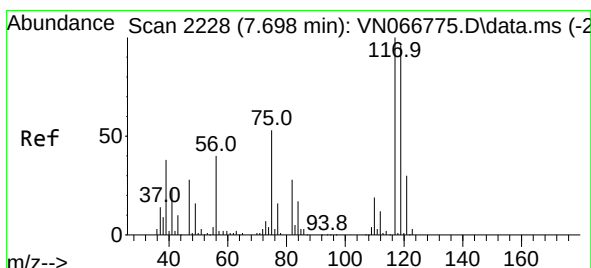
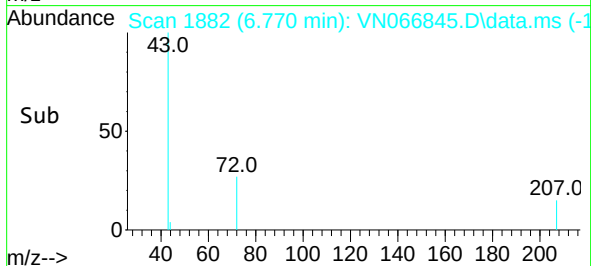
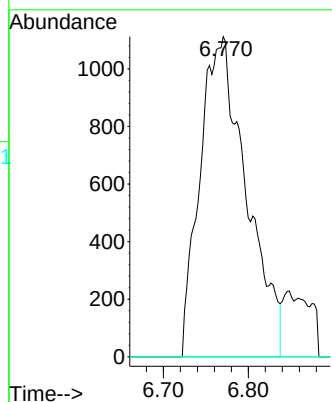
Lab File: VN066845.D

Acq: 29 Apr 2021 5:17

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	43	Resp:	4216
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	8.6	13.0#



#38

Carbon Tetrachloride

Concen: 6.11 ug/l

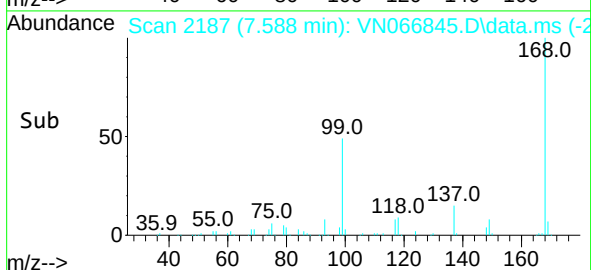
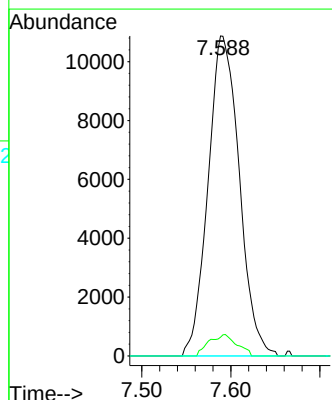
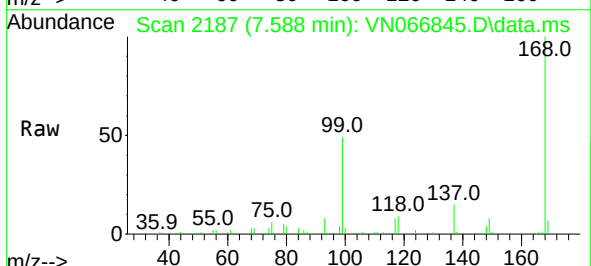
RT: 7.588 min Scan# 2187

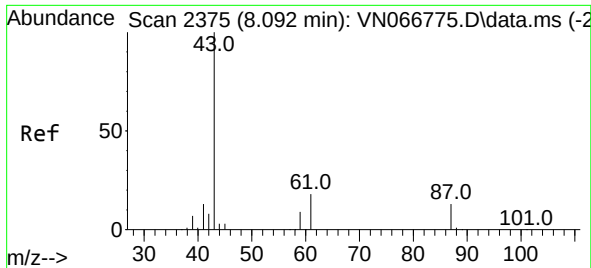
Delta R.T. -0.110 min

Lab File: VN066845.D

Acq: 29 Apr 2021 5:17

Tgt Ion:	117	Resp:	26498
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.0	114.0#
121	0.0	24.5	36.7#

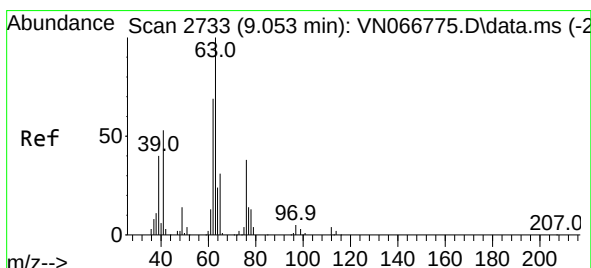
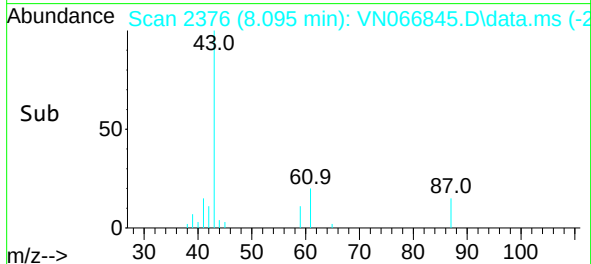
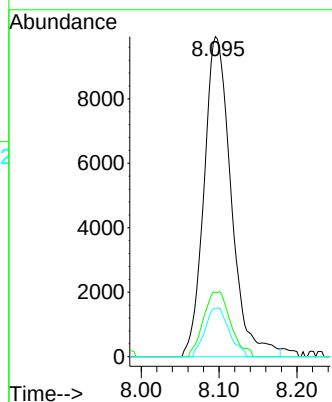
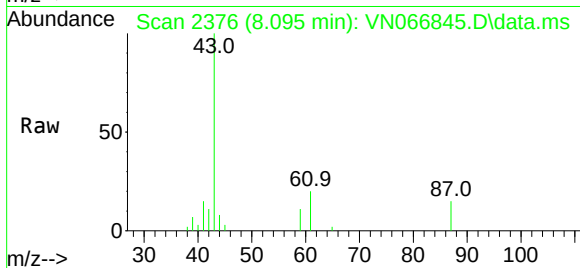




#43
Isopropyl Acetate
Concen: 3.14 ug/l
RT: 8.095 min Scan# 2376
Delta R.T. 0.003 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

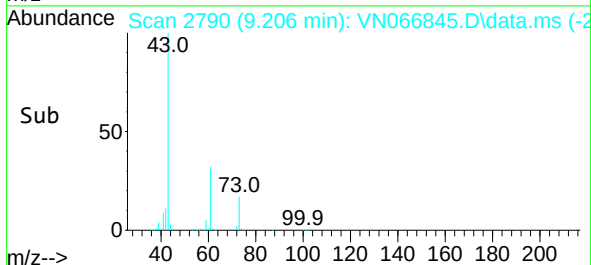
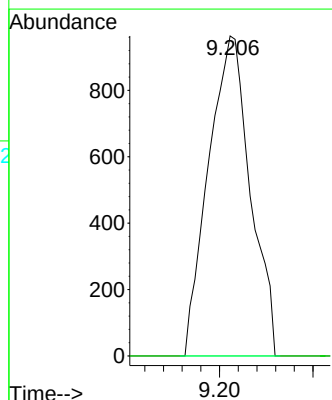
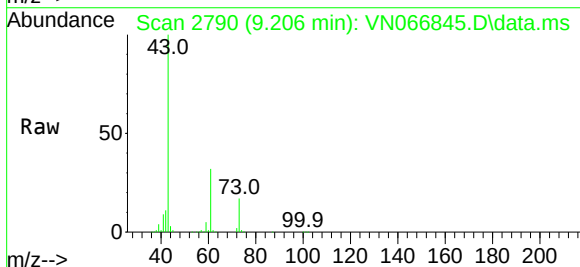
Instrument :
MSVOA_N
ClientSampled :

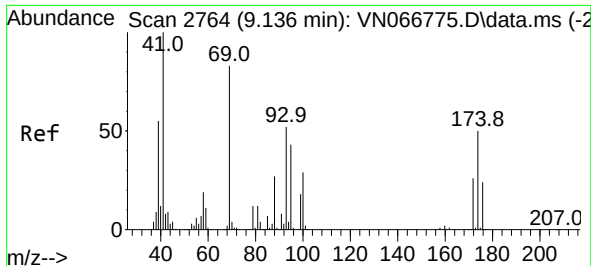
Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.3	22.5	33.7#
87	13.5	11.1	16.7



#45
1,2-Dichloropropane
Concen: 0.40 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.153 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

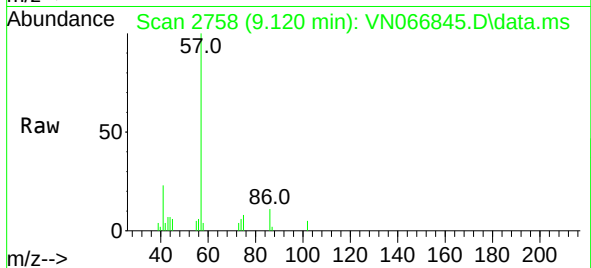
Tgt Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.9	37.3#



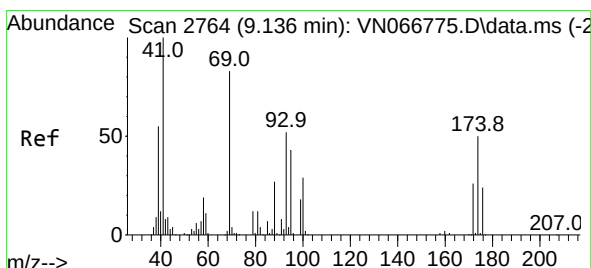
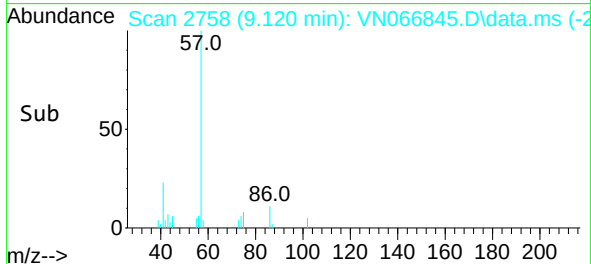
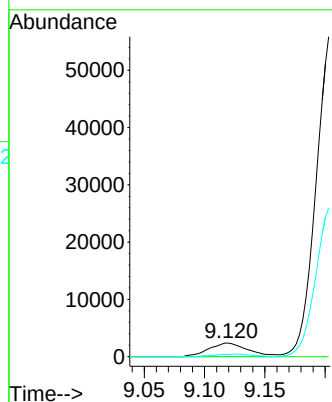


#48
Methyl methacrylate
Concen: 1.63 ug/l
RT: 9.120 min Scan# 2758
Delta R.T. -0.016 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Instrument :
MSVOA_N
ClientSampled :

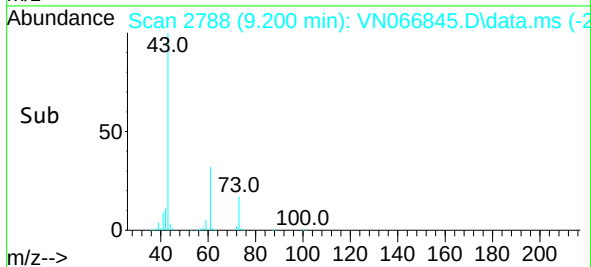
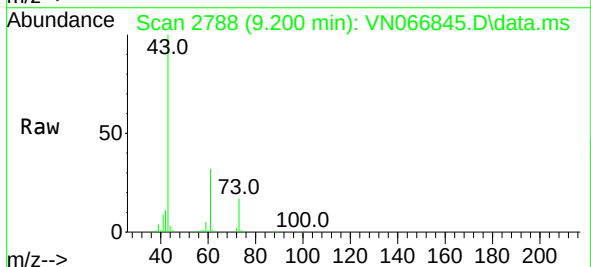
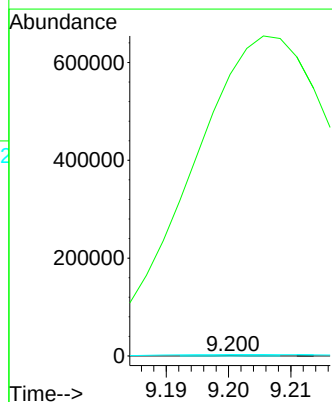


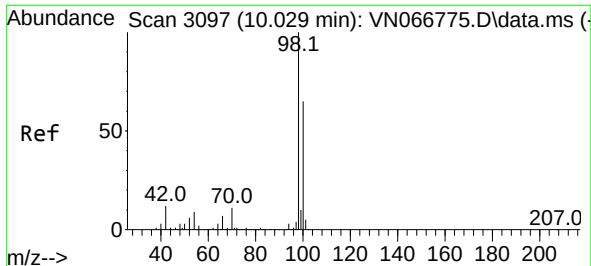
Tgt Ion: 41 Resp: 5435
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 1.63 ug/l
RT: 9.200 min Scan# 2788
Delta R.T. 0.064 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 1538582.7 24.7 37.1#
58 7623.5 52.6 78.8#

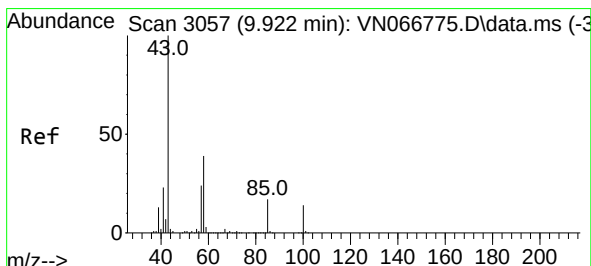
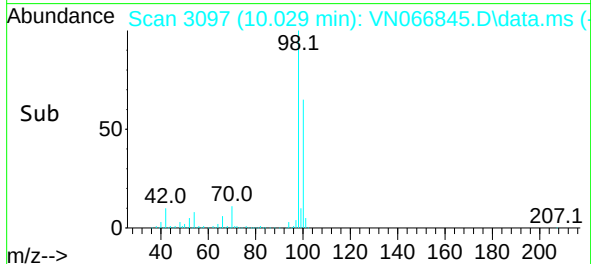
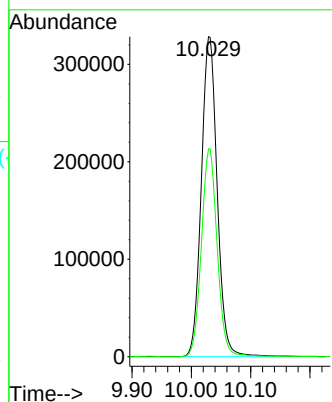
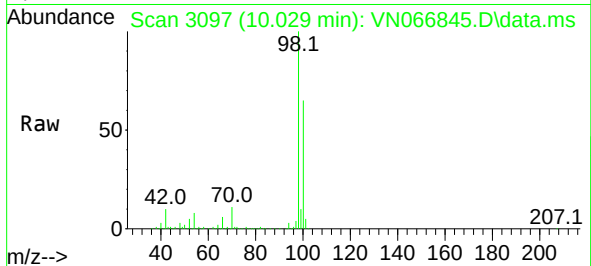




#50
Toluene-d8
Concen: 51.78 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

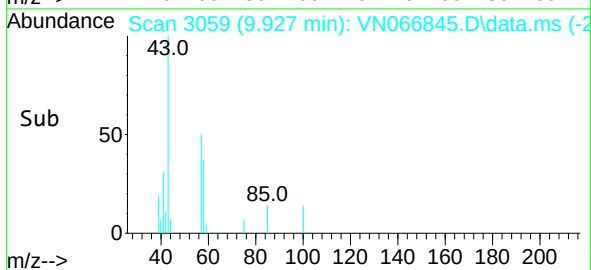
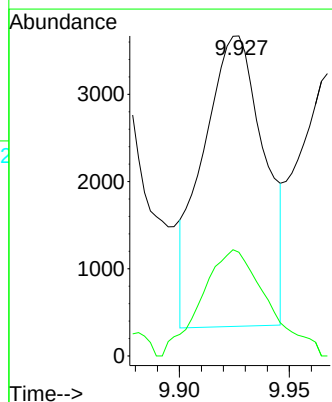
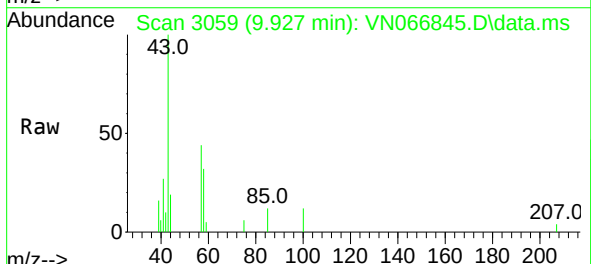
Instrument :
MSVOA_N
ClientSampled :

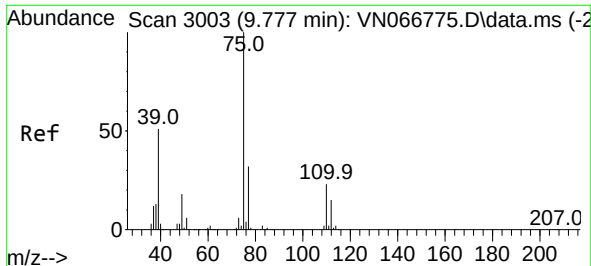
Tgt Ion: 98 Resp: 610350
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 9.927 min Scan# 3059
Delta R.T. 0.005 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

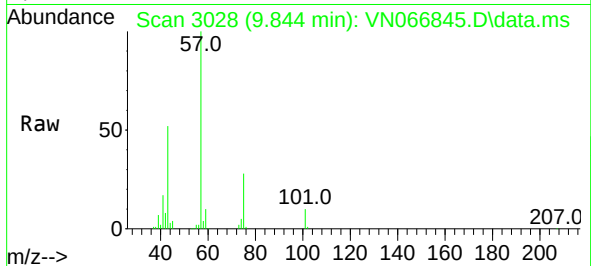
Tgt Ion: 43 Resp: 6426
Ion Ratio Lower Upper
43 100
58 39.6 32.5 48.7



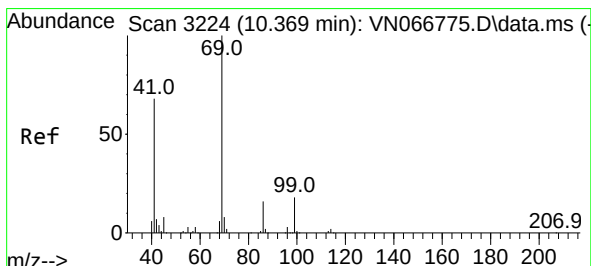
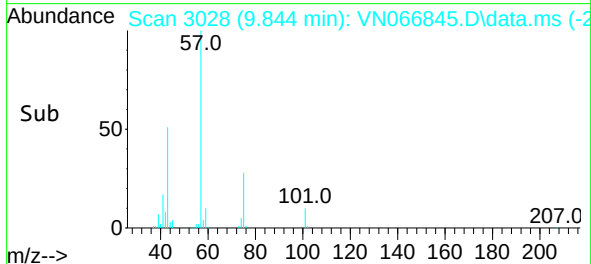
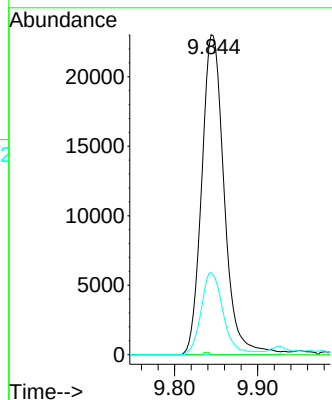


#54
cis-1,3-Dichloropropene
Concen: 7.51 ug/l
RT: 9.844 min Scan# 3028
Delta R.T. 0.067 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Instrument :
MSVOA_N
ClientSampleId :

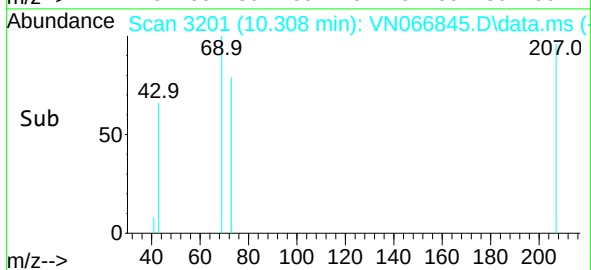
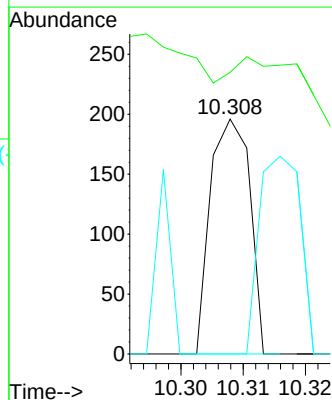
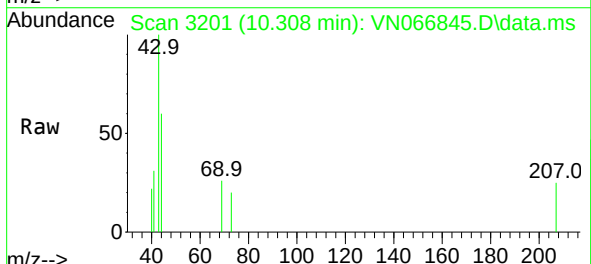


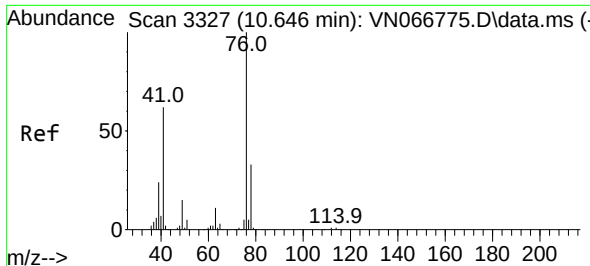
Tgt Ion: 75 Resp: 43143
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#
39 25.7 36.2 54.4#



#56
Ethyl methacrylate
Concen: 3.18 ug/l
RT: 10.308 min Scan# 3201
Delta R.T. -0.061 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 69 Resp: 86
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

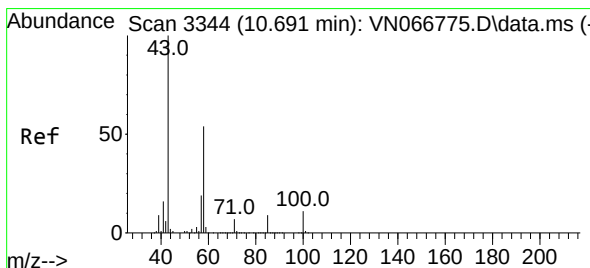
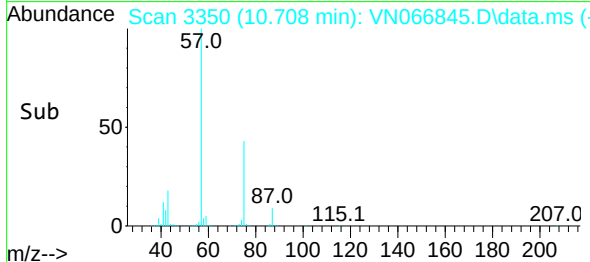
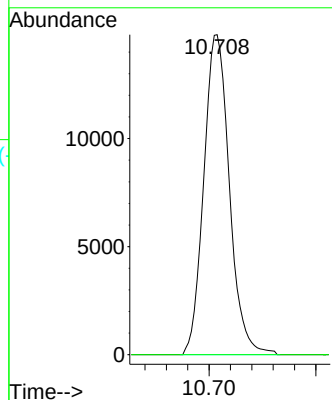
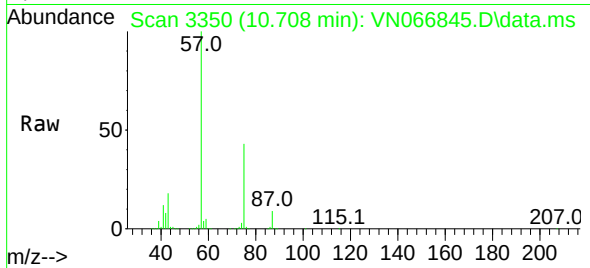




#57
1,3-Dichloropropane
Concen: 4.44 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.061 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

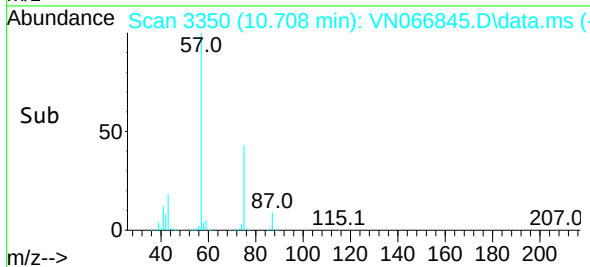
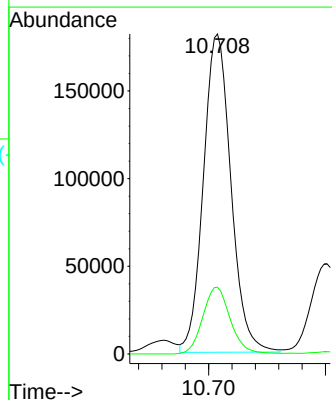
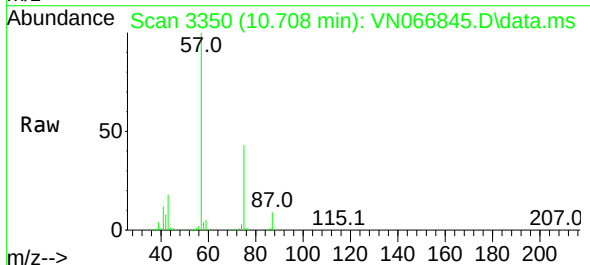
Instrument :
MSVOA_N
ClientSampled :

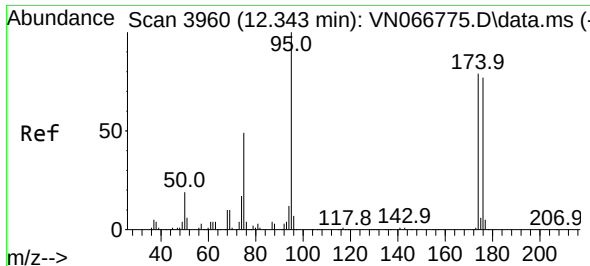
Tgt Ion: 76 Resp: 24626
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 103.49 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 43 Resp: 297120
Ion Ratio Lower Upper
43 100
58 21.0 28.1 84.3#

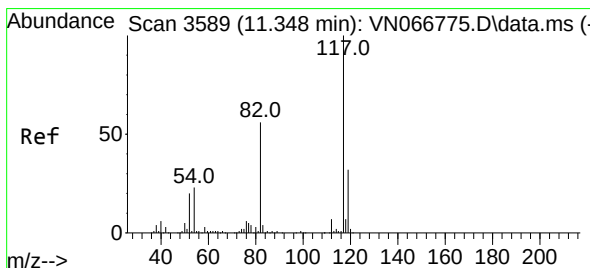
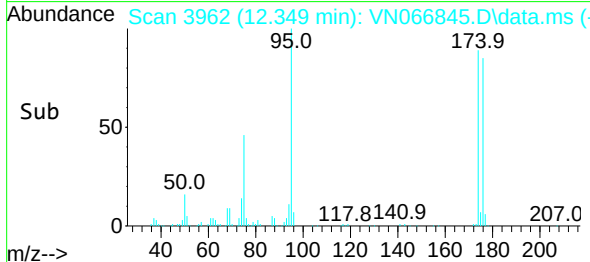
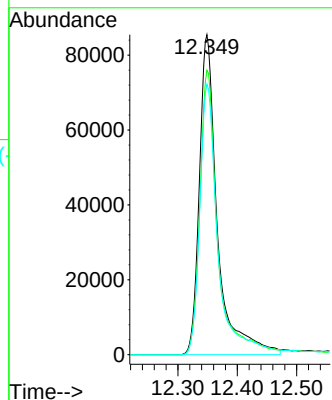
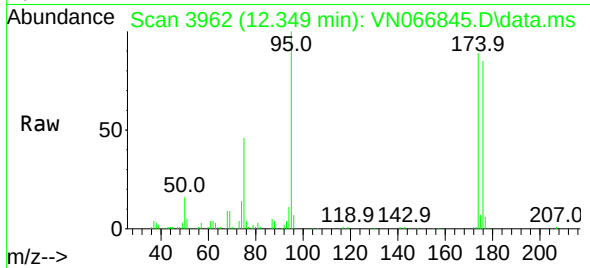




#62
4-Bromofluorobenzene
Concen: 45.45 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

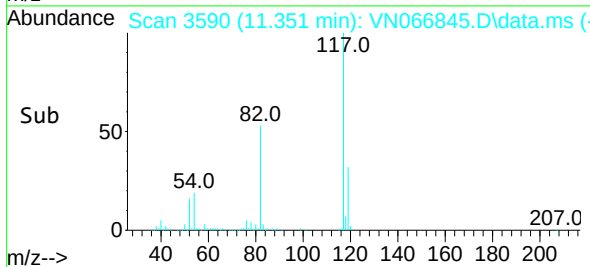
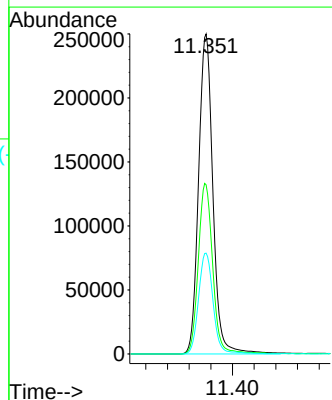
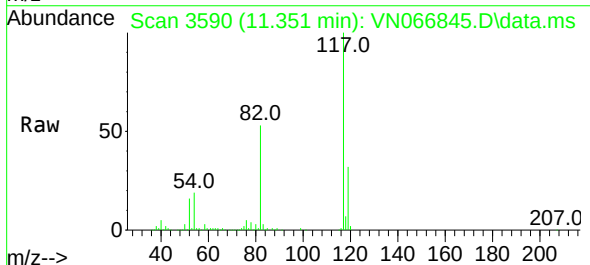
Instrument :
MSVOA_N
ClientSampleId :

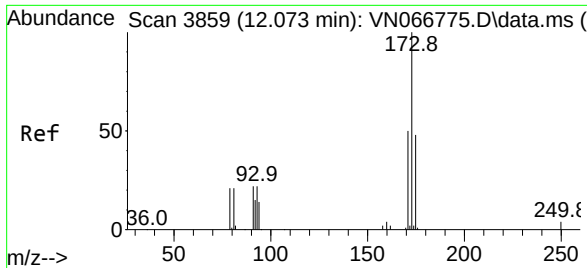
Tgt Ion: 95 Resp: 181278
Ion Ratio Lower Upper
95 100
174 84.0 0.0 169.0
176 85.0 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.351 min Scan# 3590
Delta R.T. 0.003 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 117 Resp: 459485
Ion Ratio Lower Upper
117 100
82 52.8 43.7 65.5
119 31.5 26.1 39.1

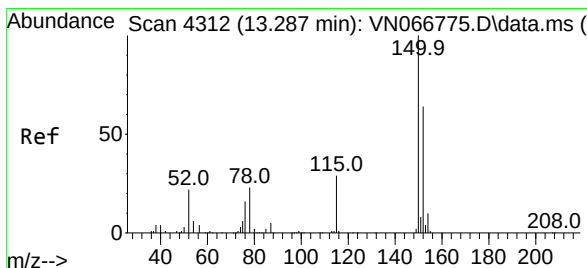
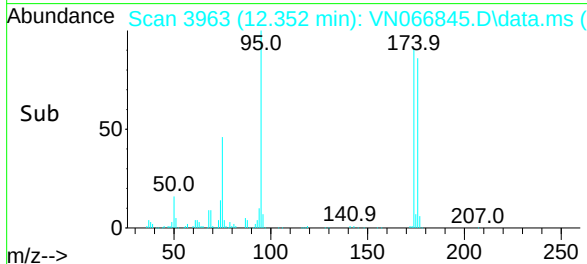
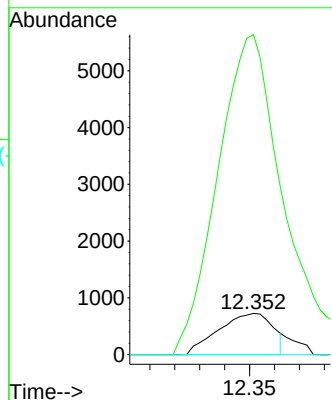
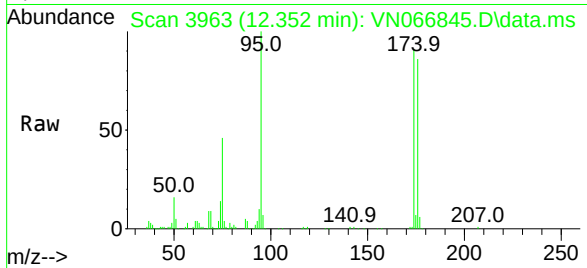




#71
Bromoform
Concen: 0.44 ug/l
RT: 12.352 min Scan# 3963
Delta R.T. 0.279 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

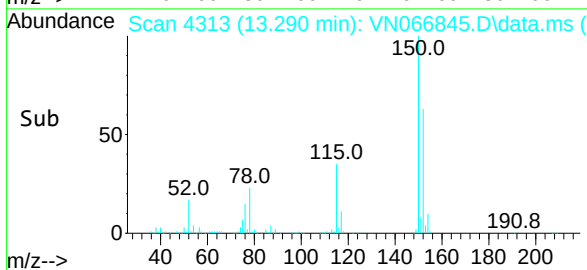
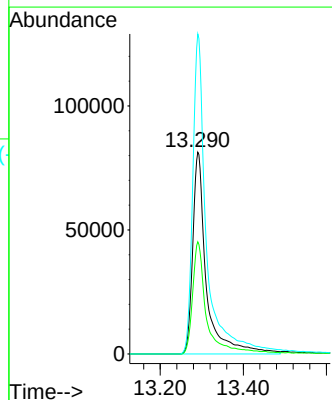
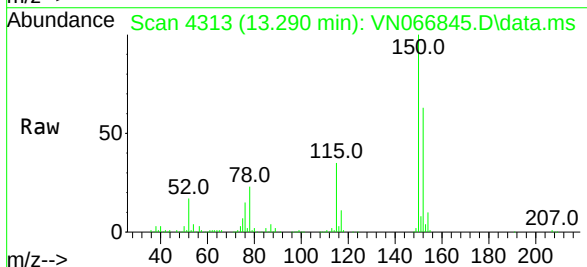
Instrument :
MSVOA_N
ClientSampled :

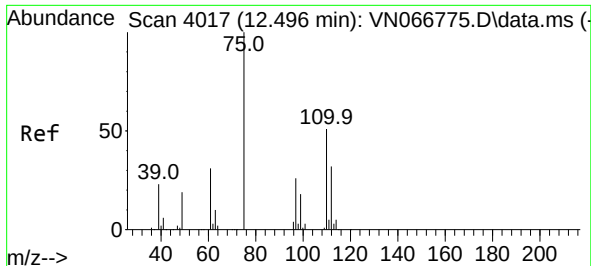
Tgt Ion:173 Resp: 1109
Ion Ratio Lower Upper
173 100
175 769.5 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion:152 Resp: 187806
Ion Ratio Lower Upper
152 100
115 55.6 28.5 85.6
150 160.1 0.0 347.6

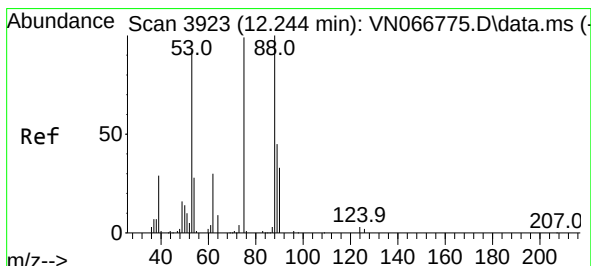
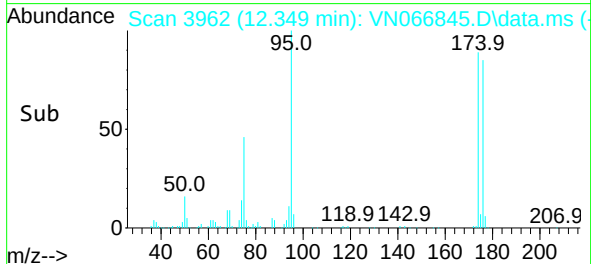
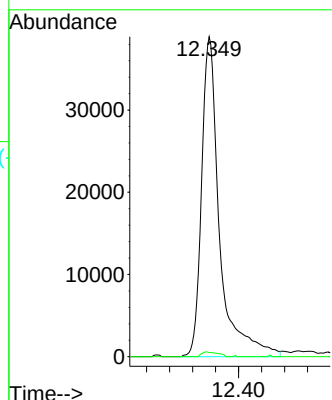
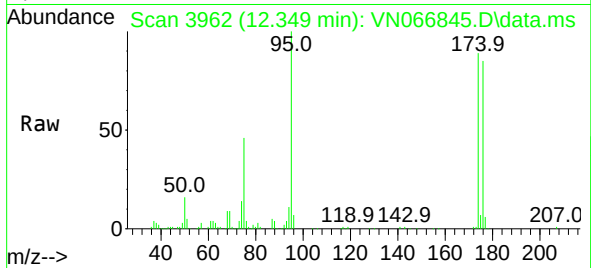




#76
1,2,3-Trichloropropane
Concen: 21.33 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 84431
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.23 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.105 min
Lab File: VN066845.D
Acq: 29 Apr 2021 5:17

Tgt Ion: 75 Resp: 84431
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#

