

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042821\
 Data File : VN066847.D
 Acq On : 29 Apr 2021 6:05
 Operator : JC/MD
 Sample : M2187-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 29 07:46:42 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

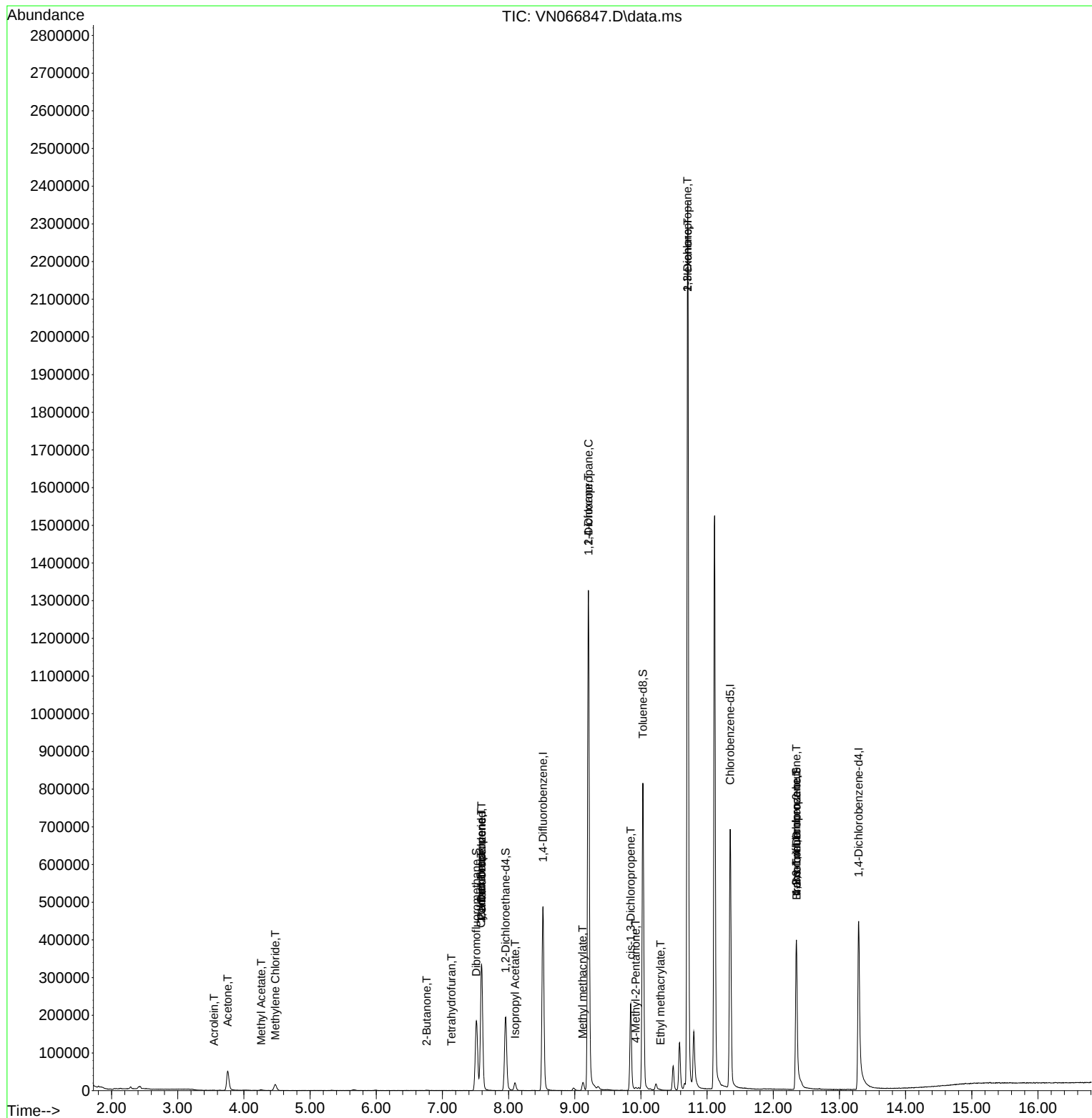
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.594	168	304164	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.519	114	464794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.348	117	445834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.290	152	184187	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	167962	42.98	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 85.96%			
35) Dibromofluoromethane	7.513	113	150684	52.52	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.04%			
50) Toluene-d8	10.029	98	585424	51.98	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.96%			
62) 4-Bromofluorobenzene	12.349	95	175750	46.12	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.24%			
Target Compounds						
					Qvalue	
13) Acrolein	3.547	56	202	0.40	ug/l #	15
16) Acetone	3.756	43	85545	58.02	ug/l	95
18) Methyl Acetate	4.263	43	3872	2.07	ug/l #	65
20) Methylene Chloride	4.475	84	12485	3.34	ug/l	93
25) 2-Butanone	6.762	43	1014	0.49	ug/l	99
29) Tetrahydrofuran	7.135	42	329	0.23	ug/l #	32
31) Cyclohexane	7.586	56	4964	0.82	ug/l #	1
36) 1,1-Dichloropropene	7.588	75	19376	4.49	ug/l #	49
38) Carbon Tetrachloride	7.591	117	25428	6.14	ug/l #	19
43) Isopropyl Acetate	8.098	43	23830	3.27	ug/l #	91
45) 1,2-Dichloropropane	9.208	63	1809	0.51	ug/l #	44
48) Methyl methacrylate	9.117	41	5785	1.82	ug/l #	10
49) 1,4-Dioxane	9.206	88	76	1.60	ug/l #	1
51) 4-Methyl-2-Pentanone	9.922	43	4853	1.23	ug/l	97
54) cis-1,3-Dichloropropene	9.847	75	45083	8.21	ug/l #	59
56) Ethyl methacrylate	10.297	69	121	3.19	ug/l #	27
57) 1,3-Dichloropropane	10.705	76	25332	4.78	ug/l #	43
59) 2-Hexanone	10.708	43	316036	113.00	ug/l #	52
71) Bromoform	12.352	173	1127	0.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.349	75	80217	20.66	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.349	75	80217	56.64	ug/l #	12

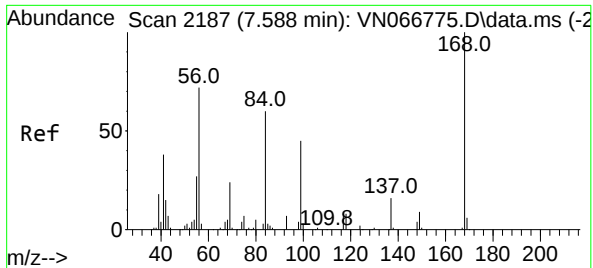
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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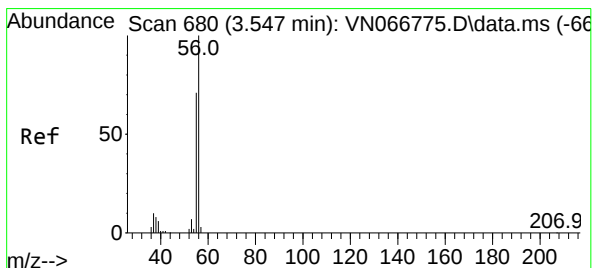
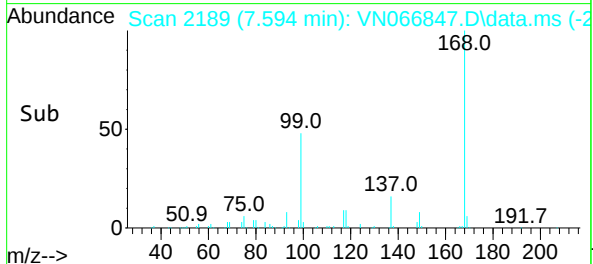
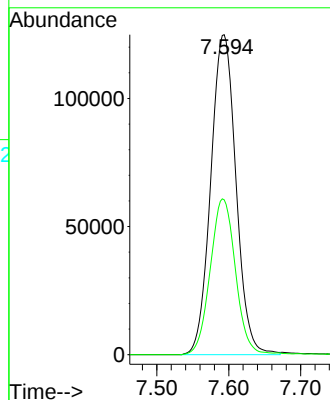
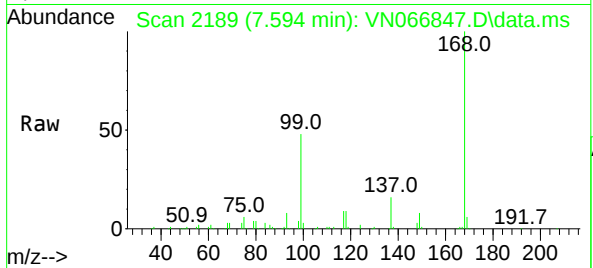




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2189
Delta R.T. 0.006 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

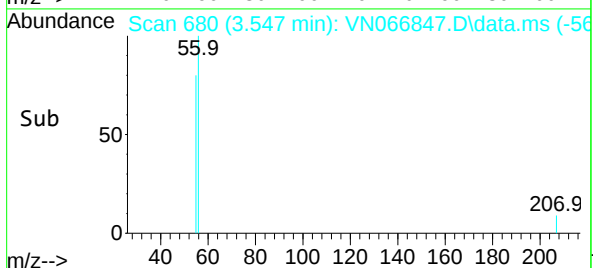
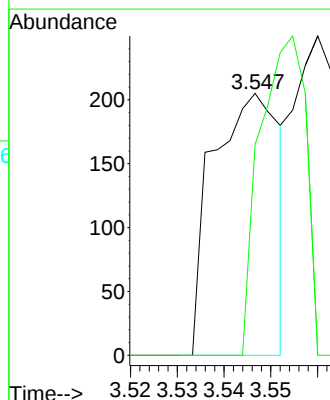
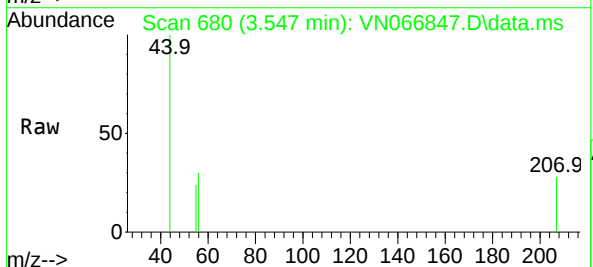
Instrument :
MSVOA_N
ClientSampled :

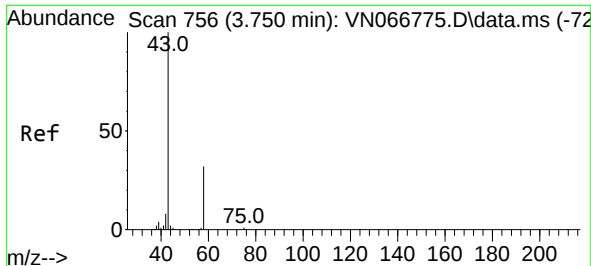
Tgt Ion:168 Resp: 304164
Ion Ratio Lower Upper
168 100
99 48.4 42.6 63.8



#13
Acrolein
Concen: 0.40 ug/l
RT: 3.547 min Scan# 680
Delta R.T. -0.000 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion: 56 Resp: 202
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

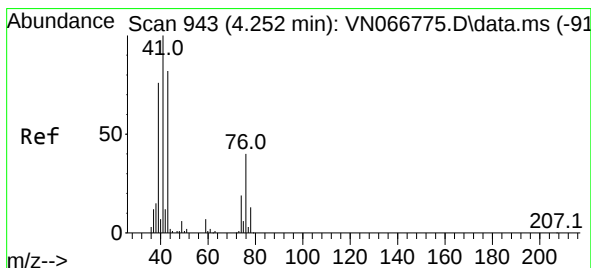
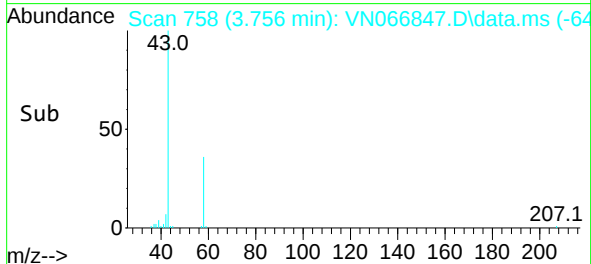
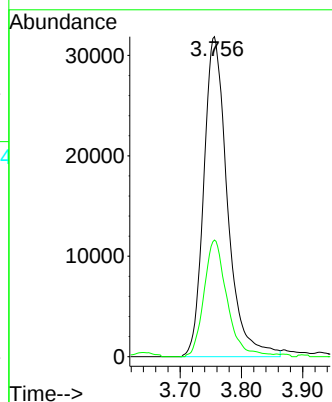
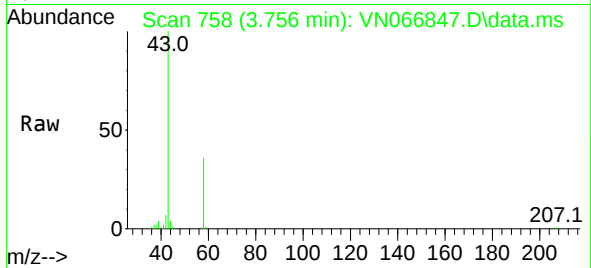




#16
Acetone
Concen: 58.02 ug/l
RT: 3.756 min Scan# 758
Delta R.T. 0.006 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

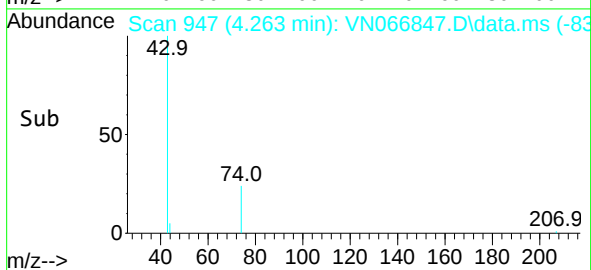
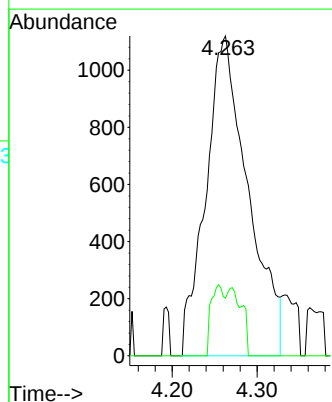
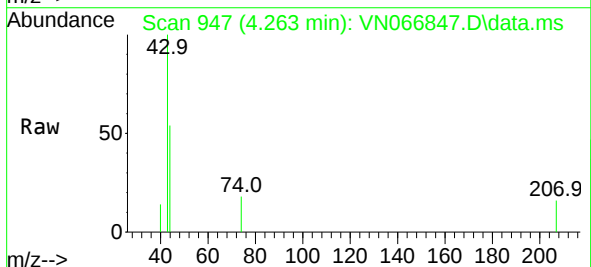
Instrument :
MSVOA_N
ClientSampled :

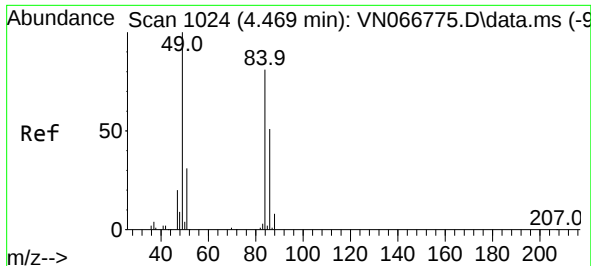
Tgt Ion: 43 Resp: 85545
Ion Ratio Lower Upper
43 100
58 36.4 27.0 40.6



#18
Methyl Acetate
Concen: 2.07 ug/l
RT: 4.263 min Scan# 947
Delta R.T. 0.011 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

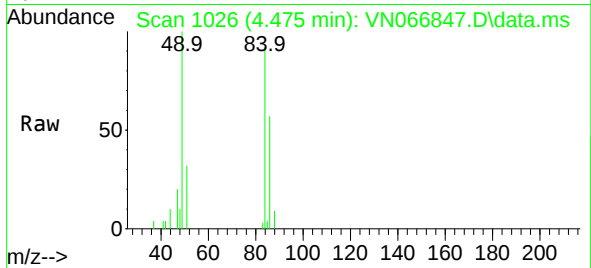
Tgt Ion: 43 Resp: 3872
Ion Ratio Lower Upper
43 100
74 7.2 19.5 29.3#



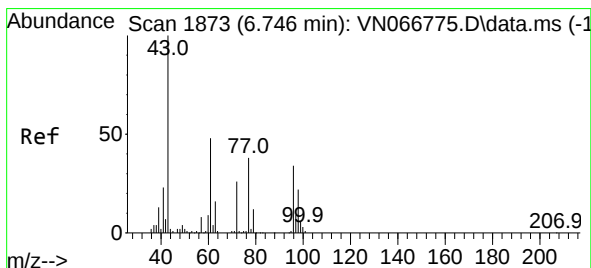
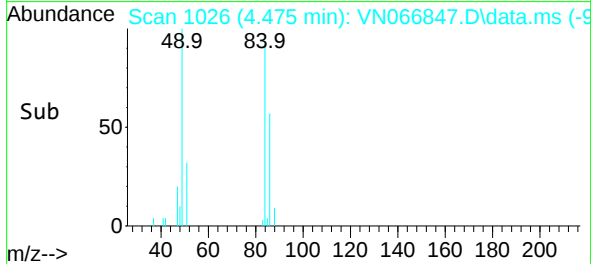
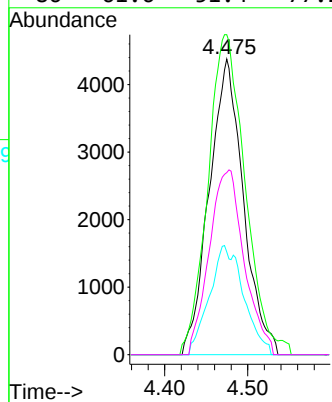


#20
Methylene Chloride
Concen: 3.34 ug/l
RT: 4.475 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Instrument :
MSVOA_N
ClientSampled :

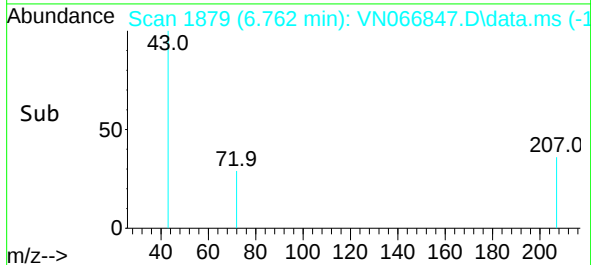
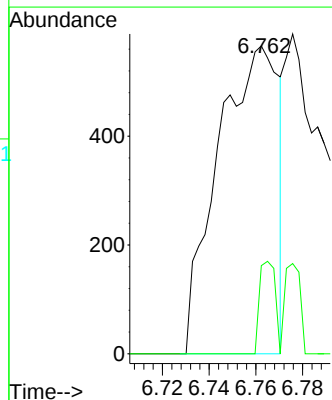
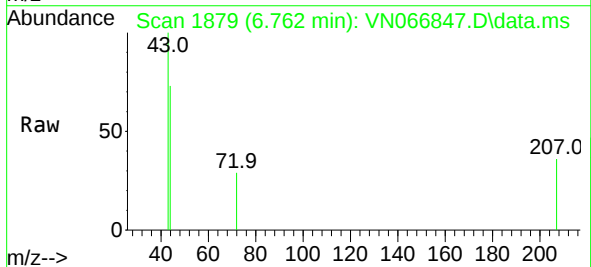


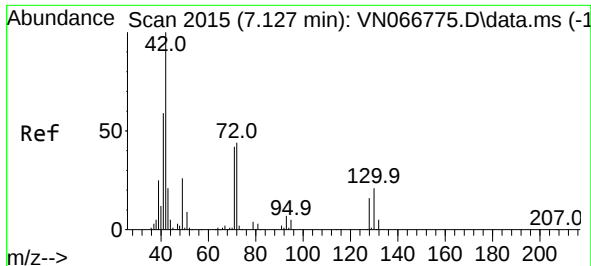
Tgt Ion:	84	Resp:	12485
Ion	Ratio	Lower	Upper
84	100		
49	108.2	94.6	141.8
51	34.8	29.9	44.9
86	61.6	51.4	77.2



#25
2-Butanone
Concen: 0.49 ug/l
RT: 6.762 min Scan# 1879
Delta R.T. 0.016 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion:	43	Resp:	1014
Ion	Ratio	Lower	Upper
43	100		
72	28.6	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.135 min Scan# 2018

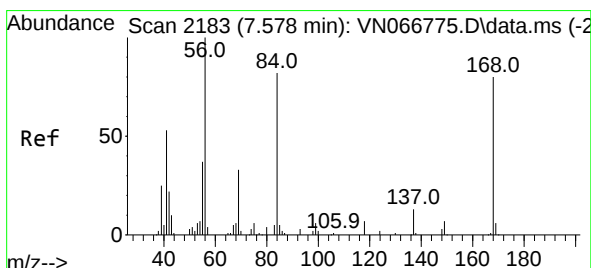
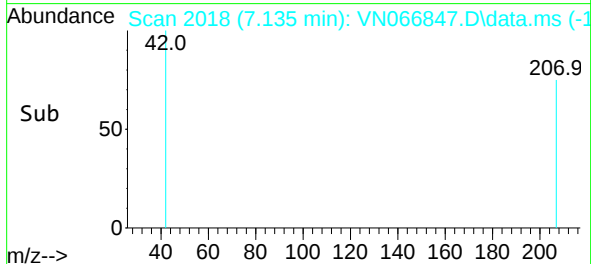
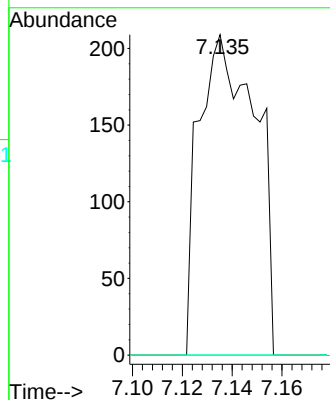
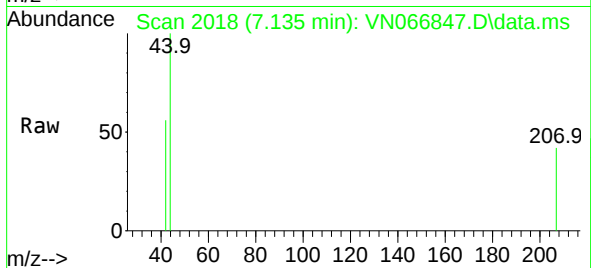
Delta R.T. 0.008 min

Lab File: VN066847.D

Acq: 29 Apr 2021 6:05

Tgt Ion:	42	Resp:	329
Ion	Ratio	Lower	Upper
42	100		
72	0.0	36.6	55.0#
71	0.0	34.3	51.5#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 0.82 ug/l

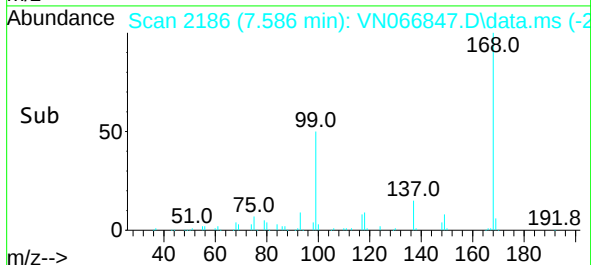
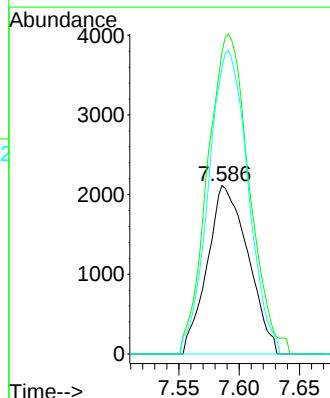
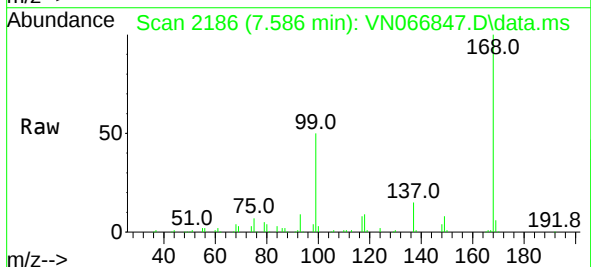
RT: 7.586 min Scan# 2186

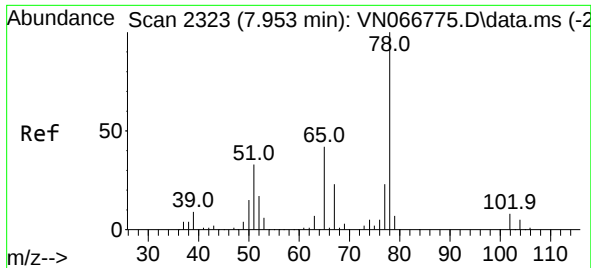
Delta R.T. 0.008 min

Lab File: VN066847.D

Acq: 29 Apr 2021 6:05

Tgt Ion:	56	Resp:	4964
Ion	Ratio	Lower	Upper
56	100		
69	179.1	26.6	39.8#
84	170.2	70.4	105.6#

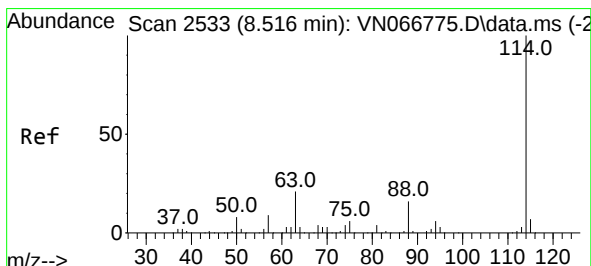
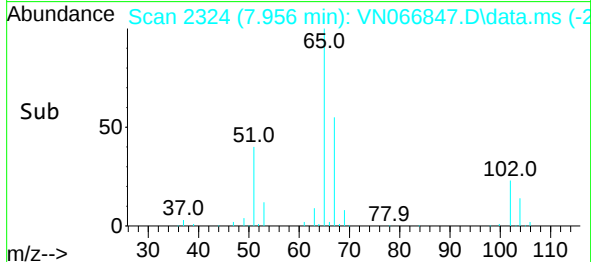
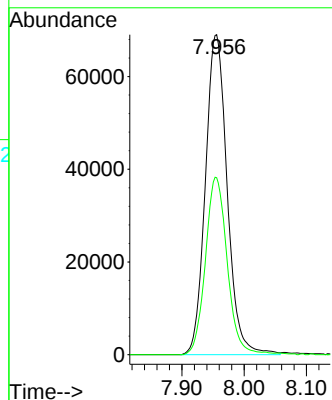
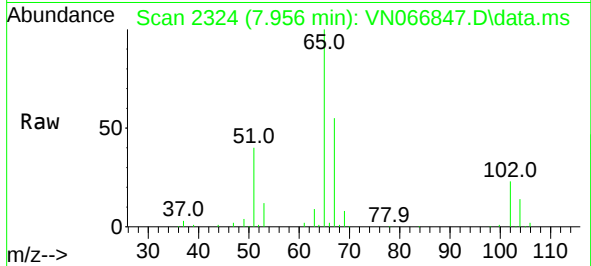




#33
 1,2-Dichloroethane-d4
 Concen: 42.98 ug/l
 RT: 7.956 min Scan# 2324
 Delta R.T. 0.003 min
 Lab File: VN066847.D
 Acq: 29 Apr 2021 6:05

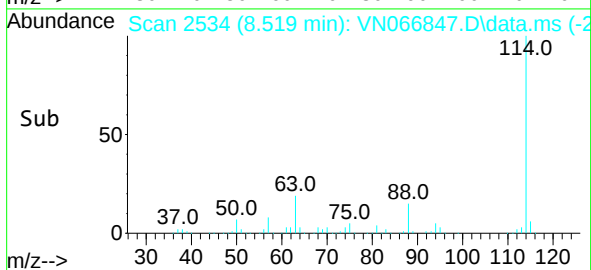
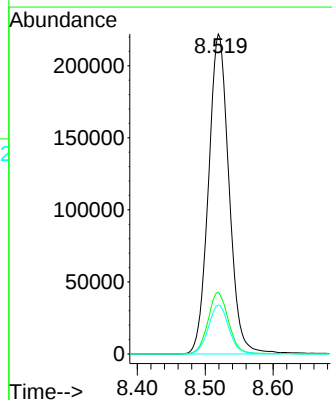
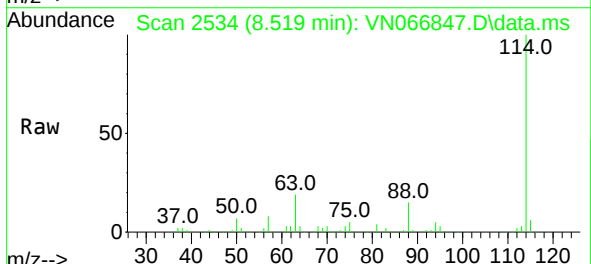
Instrument :
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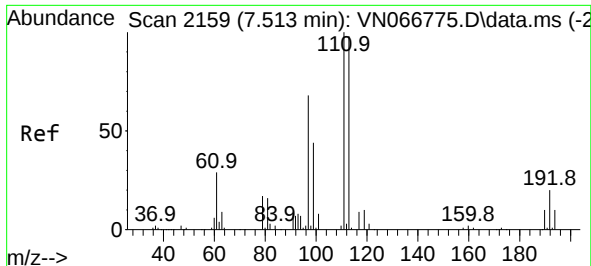
Tgt Ion: 65 Resp: 167962
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.519 min Scan# 2534
 Delta R.T. 0.003 min
 Lab File: VN066847.D
 Acq: 29 Apr 2021 6:05

Tgt Ion: 114 Resp: 464794
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.6

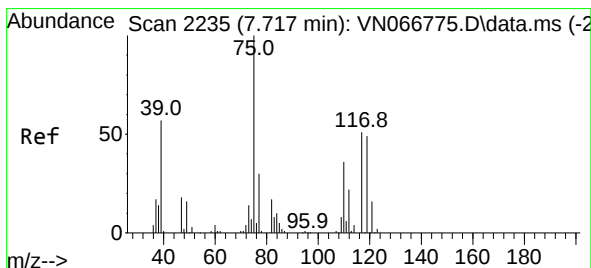
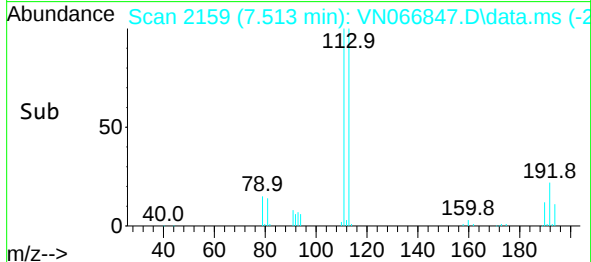
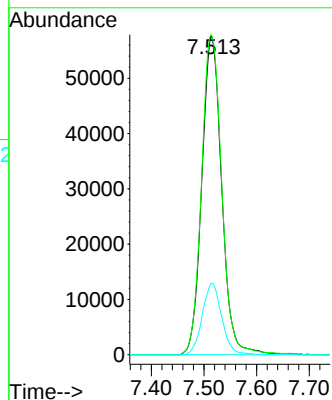
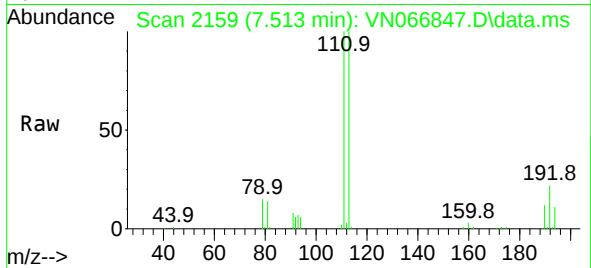




#35
Dibromofluoromethane
Concen: 52.52 ug/l
RT: 7.513 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

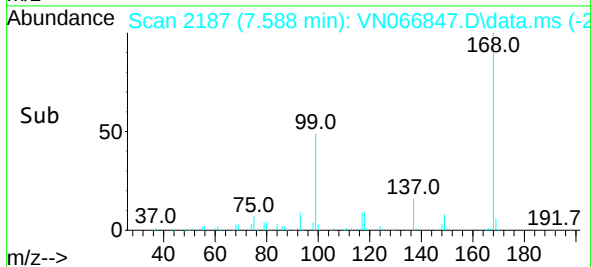
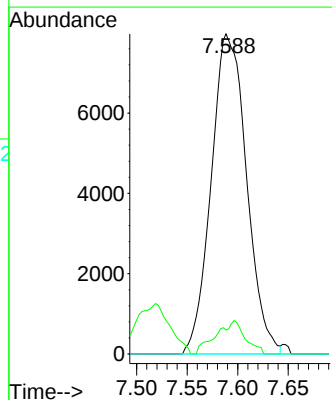
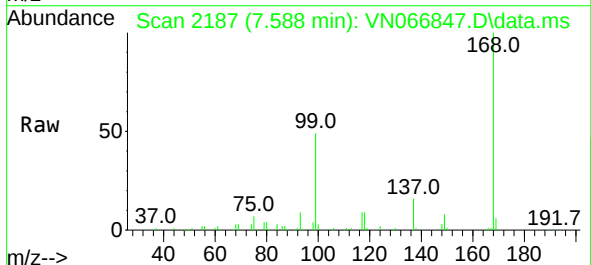
Instrument :
MSVOA_N
ClientSampleId :

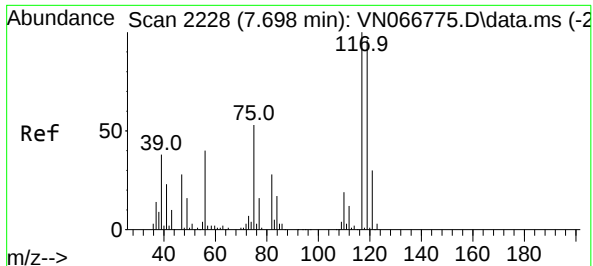
Tgt Ion:113 Resp: 150684
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 21.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.49 ug/l
RT: 7.588 min Scan# 2187
Delta R.T. -0.129 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

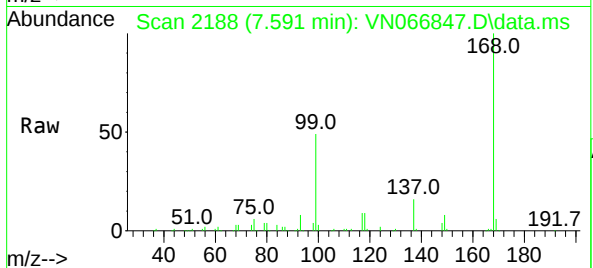
Tgt Ion: 75 Resp: 19376
Ion Ratio Lower Upper
75 100
110 8.6 18.2 54.6#
77 0.0 24.9 37.3#



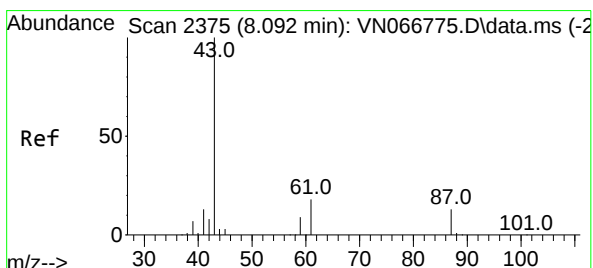
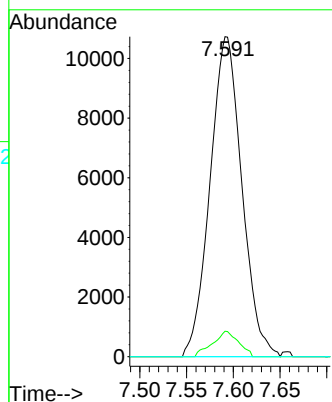
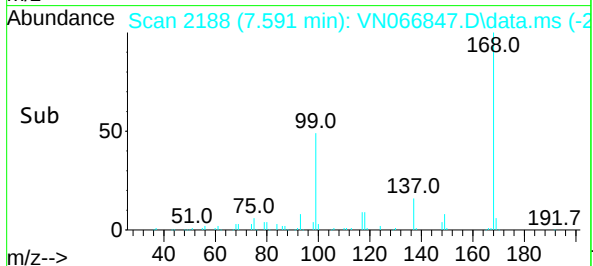


#38
Carbon Tetrachloride
Concen: 6.14 ug/l
RT: 7.591 min Scan# 2188
Delta R.T. -0.107 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

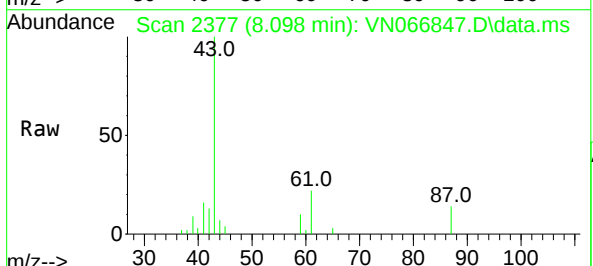
Instrument :
MSVOA_N
ClientSampleId :



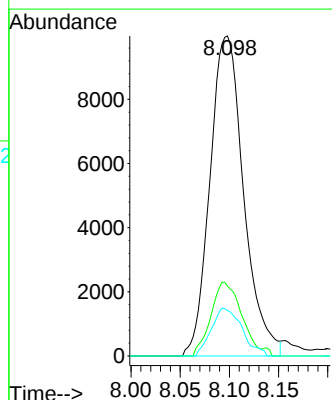
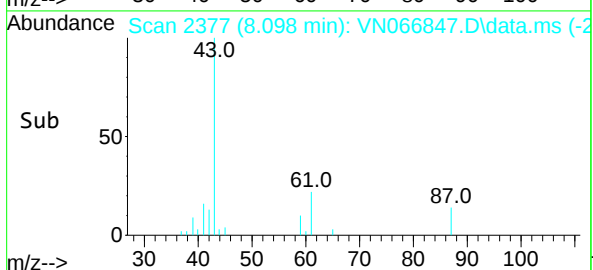
Tgt Ion: 117 Resp: 25428
Ion Ratio Lower Upper
117 100
119 8.0 76.0 114.0#
121 0.0 24.5 36.7#

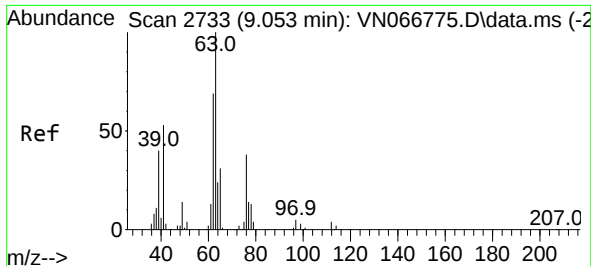


#43
Isopropyl Acetate
Concen: 3.27 ug/l
RT: 8.098 min Scan# 2377
Delta R.T. 0.006 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05



Tgt Ion: 43 Resp: 23830
Ion Ratio Lower Upper
43 100
61 20.9 22.5 33.7#
87 13.6 11.1 16.7





#45

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 9.208 min Scan# 2791

Delta R.T. 0.155 min

Lab File: VN066847.D

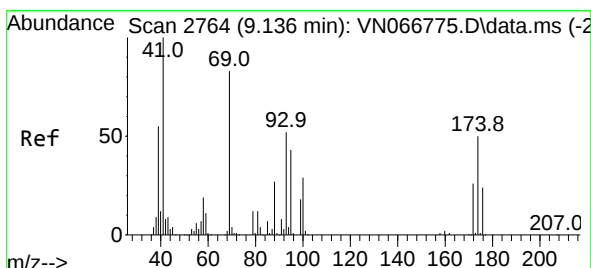
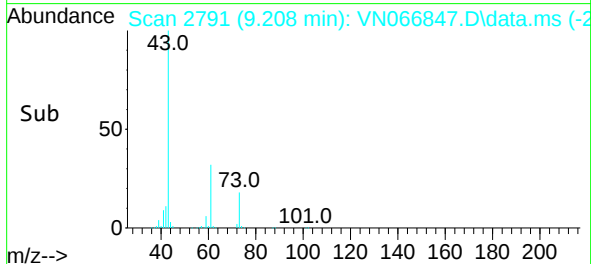
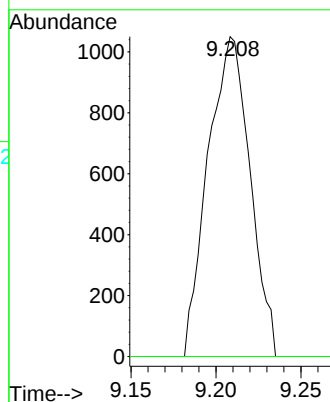
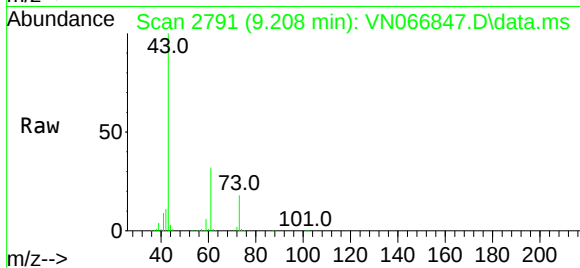
Acq: 29 Apr 2021 6:05

Tgt Ion: 63 Resp: 1809

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#



#48

Methyl methacrylate

Concen: 1.82 ug/l

RT: 9.117 min Scan# 2757

Delta R.T. -0.019 min

Lab File: VN066847.D

Acq: 29 Apr 2021 6:05

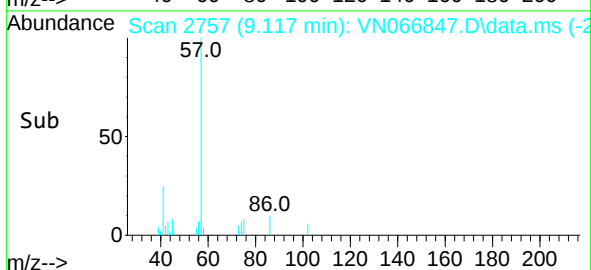
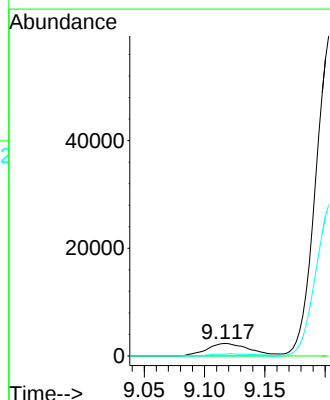
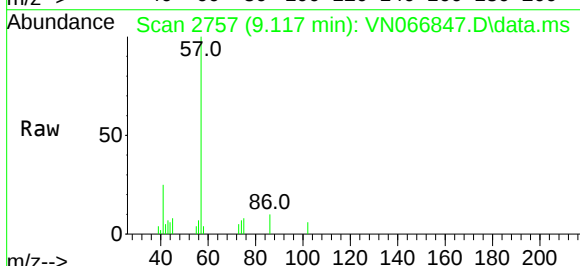
Tgt Ion: 41 Resp: 5785

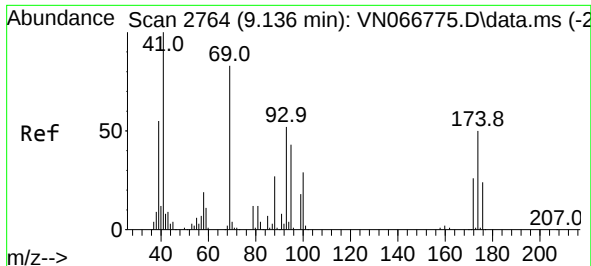
Ion Ratio Lower Upper

41 100

69 0.0 75.9 113.9#

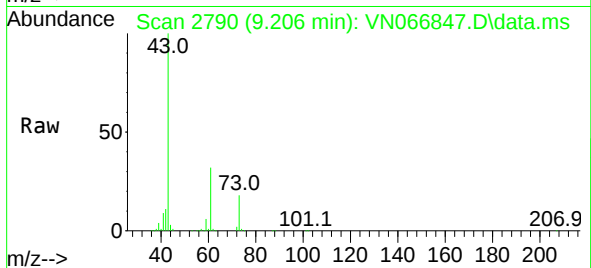
39 0.0 46.6 69.8#



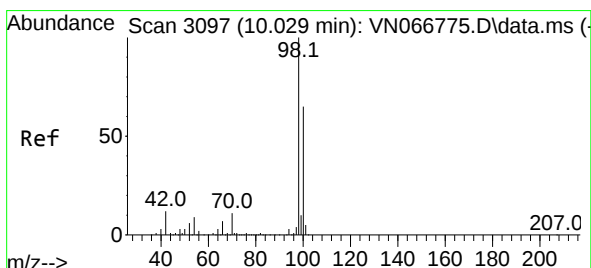
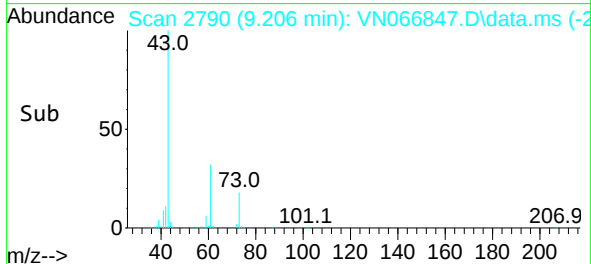
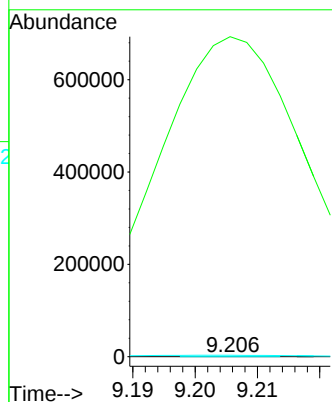


#49
1,4-Dioxane
Concen: 1.60 ug/l
RT: 9.206 min Scan# 2790
Delta R.T. 0.070 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Instrument :
MSVOA_N
ClientSampled :

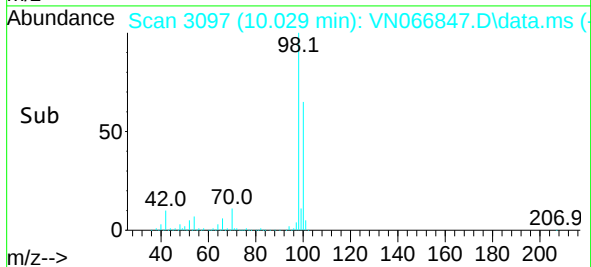
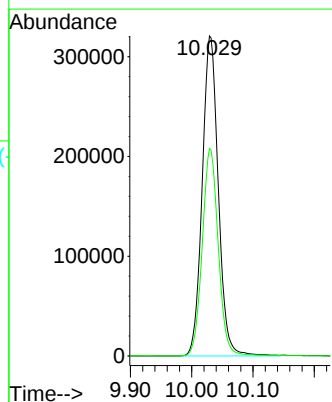
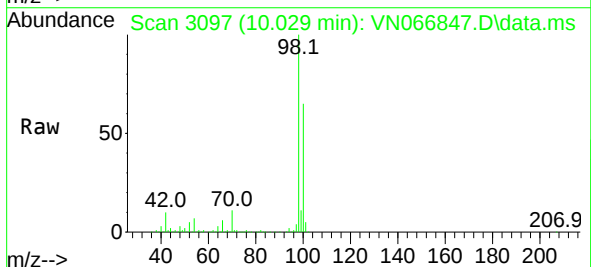


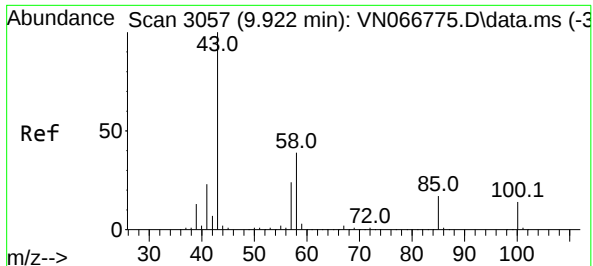
Tgt Ion: 88 Resp: 76
Ion Ratio Lower Upper
88 100
43 1746780.3 24.7 37.1#
58 8918.4 52.6 78.8#



#50
Toluene-d8
Concen: 51.98 ug/l
RT: 10.029 min Scan# 3097
Delta R.T. -0.000 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion: 98 Resp: 585424
Ion Ratio Lower Upper
98 100
100 64.4 50.5 75.7

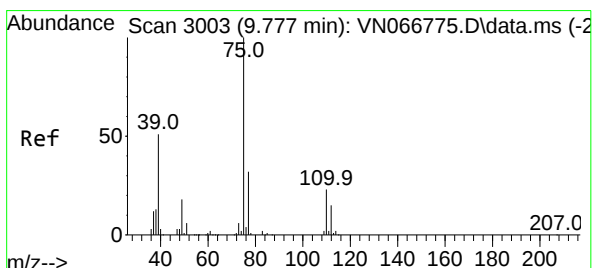
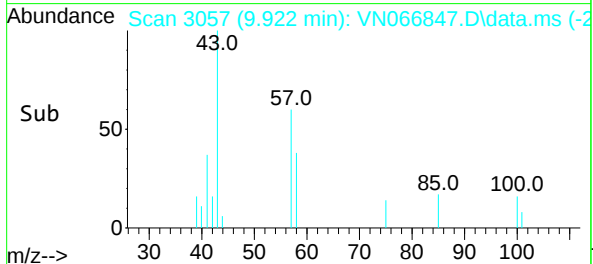
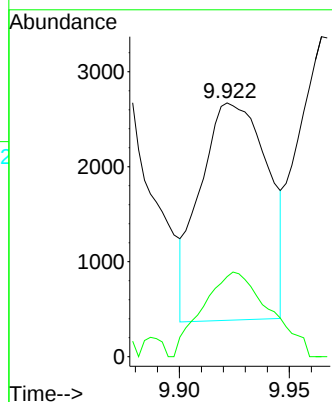
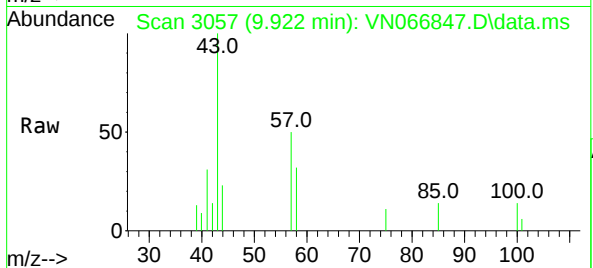




#51
4-Methyl-2-Pentanone
Concen: 1.23 ug/l
RT: 9.922 min Scan# 3057
Delta R.T. -0.000 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

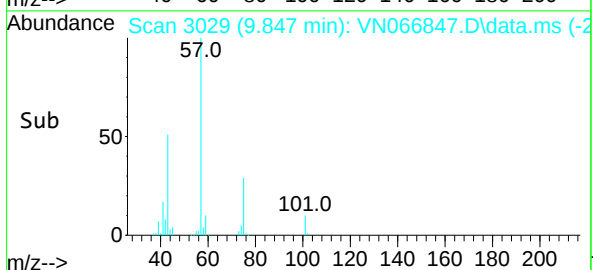
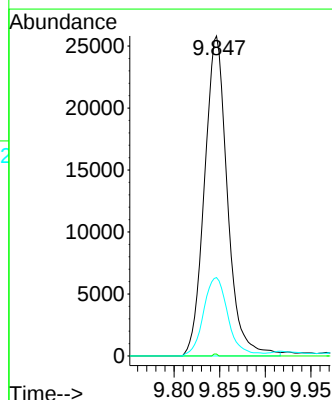
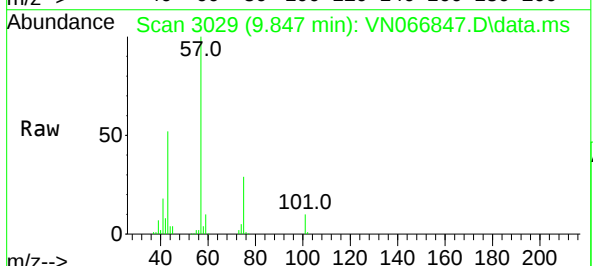
Instrument :
MSVOA_N
ClientSampled :

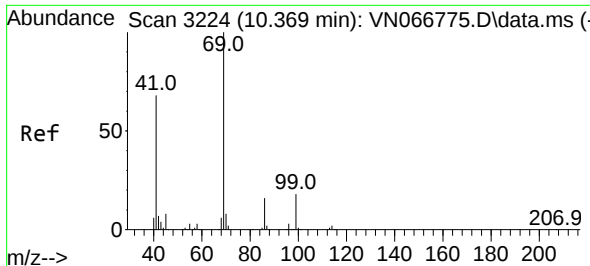
Tgt Ion: 43 Resp: 4853
Ion Ratio Lower Upper
43 100
58 38.8 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.21 ug/l
RT: 9.847 min Scan# 3029
Delta R.T. 0.070 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion: 75 Resp: 45083
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 24.5 36.2 54.4#

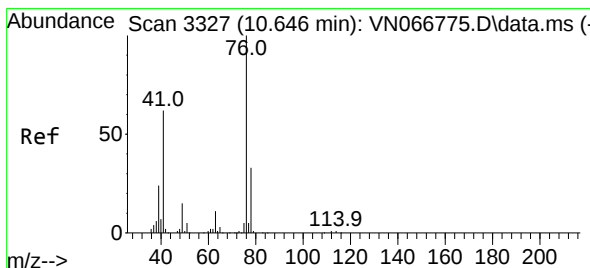
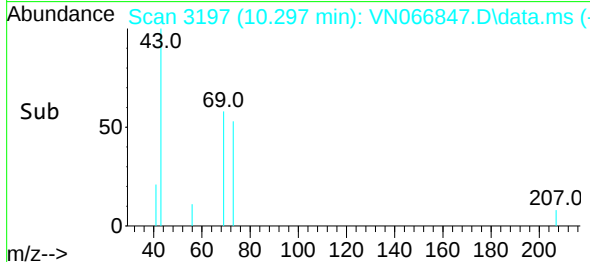
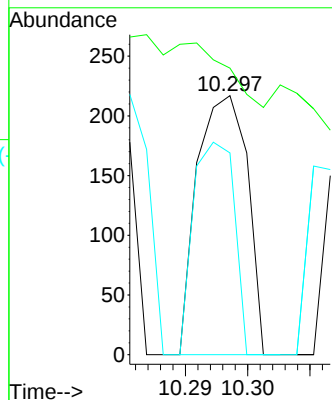
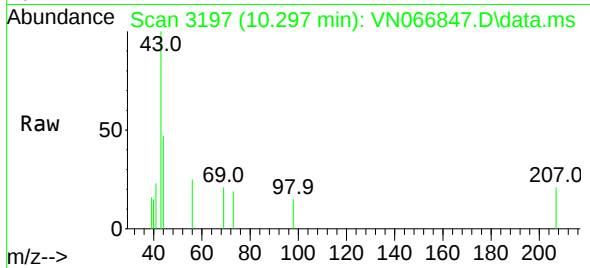




#56
Ethyl methacrylate
Concen: 3.19 ug/l
RT: 10.297 min Scan# 3197
Delta R.T. -0.072 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

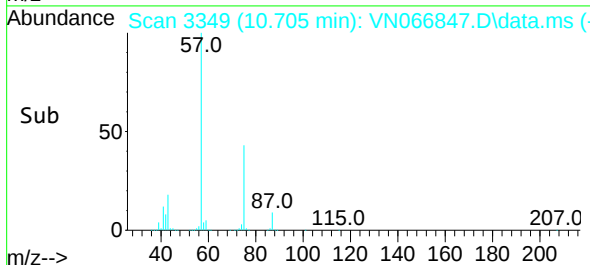
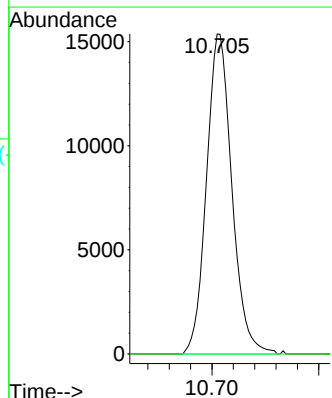
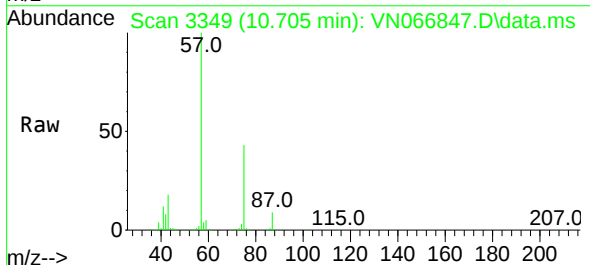
Instrument :
MSVOA_N
ClientSampled :

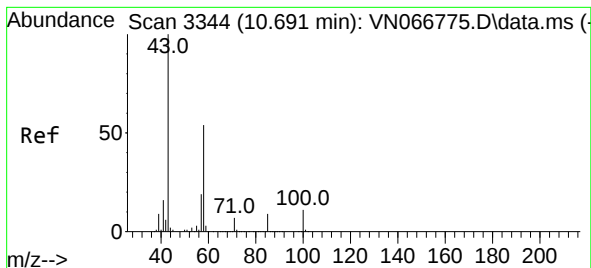
Tgt Ion: 69 Resp: 121
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.78 ug/l
RT: 10.705 min Scan# 3349
Delta R.T. 0.059 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion: 76 Resp: 25332
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#

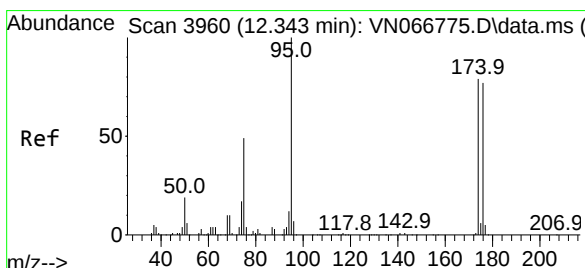
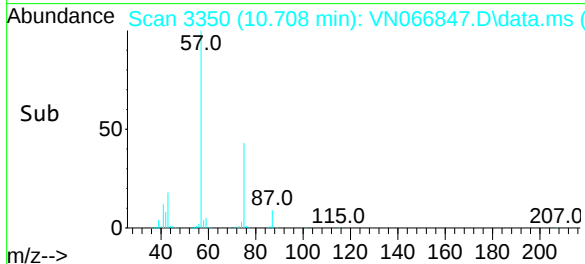
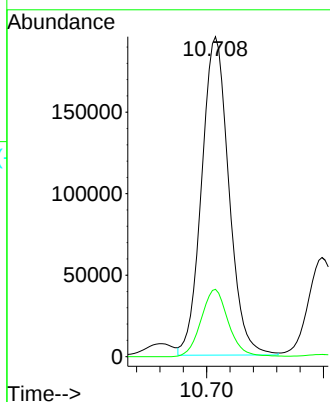
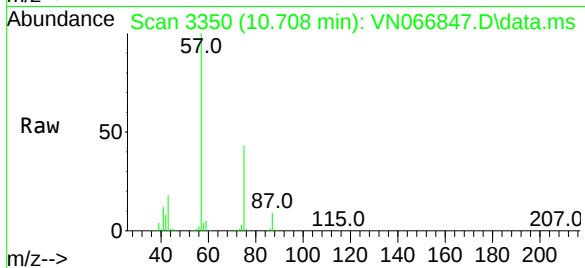




#59
2-Hexanone
Concen: 113.00 ug/l
RT: 10.708 min Scan# 3350
Delta R.T. 0.016 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

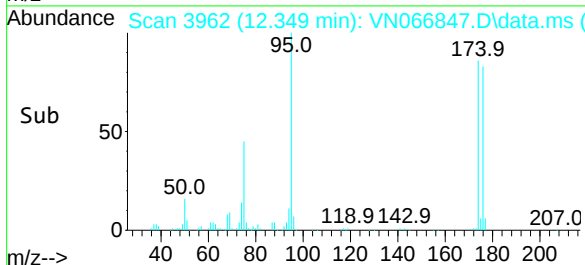
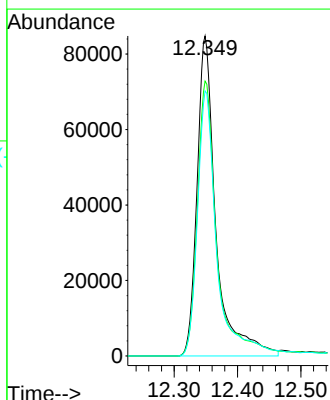
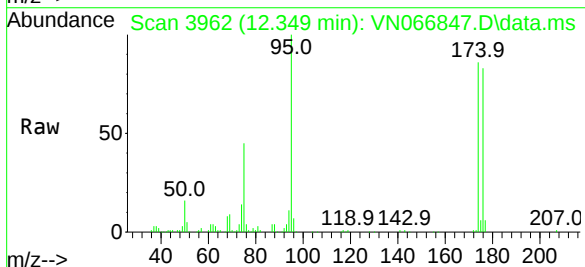
Instrument :
MSVOA_N
ClientSampled :

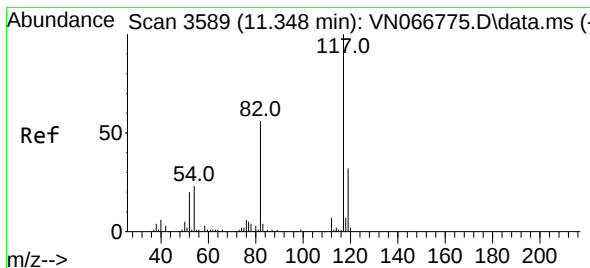
Tgt Ion: 43 Resp: 316036
Ion Ratio Lower Upper
43 100
58 21.3 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 46.12 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. 0.006 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion: 95 Resp: 175750
Ion Ratio Lower Upper
95 100
174 89.0 0.0 169.0
176 85.2 0.0 162.4

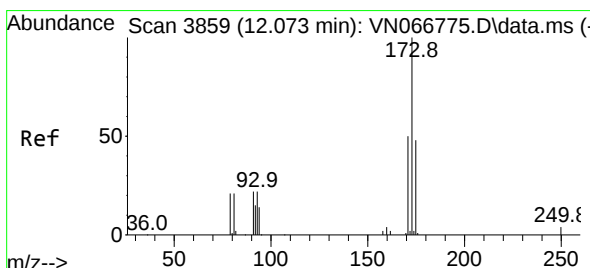
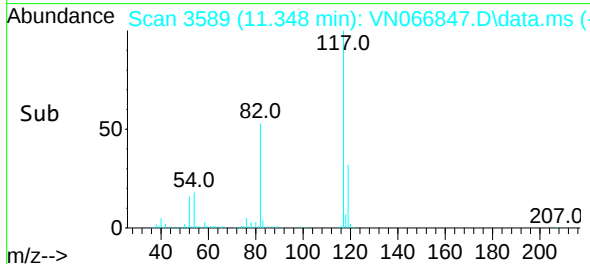
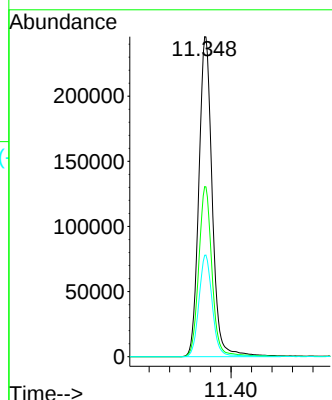
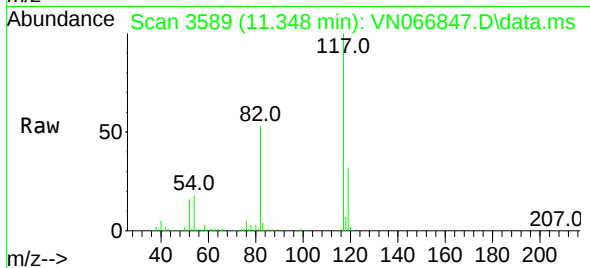




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.348 min Scan# 3589
Delta R.T. 0.000 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

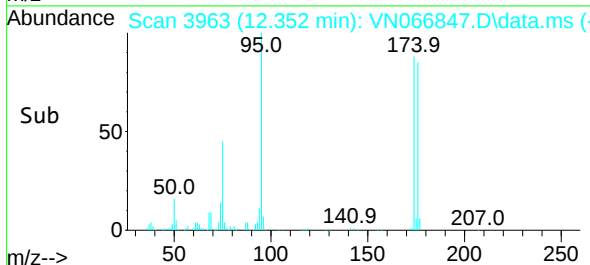
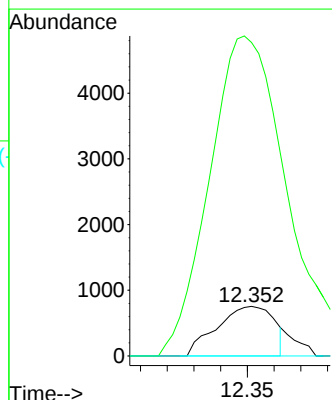
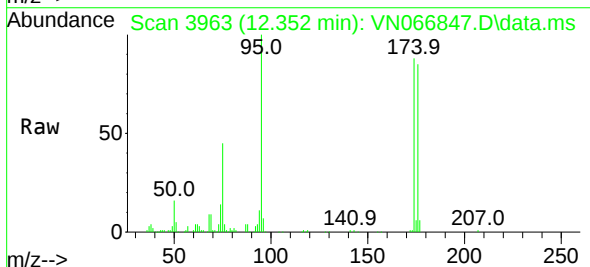
Instrument :
MSVOA_N
ClientSampled :

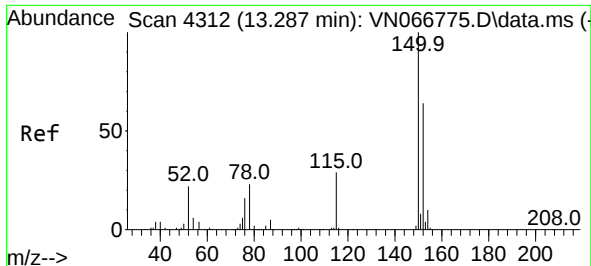
Tgt Ion:117 Resp: 445834
Ion Ratio Lower Upper
117 100
82 53.1 43.7 65.5
119 31.7 26.1 39.1



#71
Bromoform
Concen: 0.47 ug/l
RT: 12.352 min Scan# 3963
Delta R.T. 0.279 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

Tgt Ion:173 Resp: 1127
Ion Ratio Lower Upper
173 100
175 715.2 23.8 71.2#
254 0.0 0.0 0.0

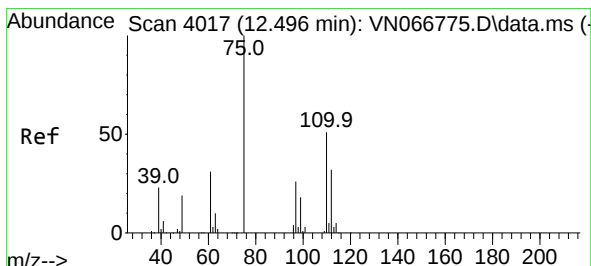
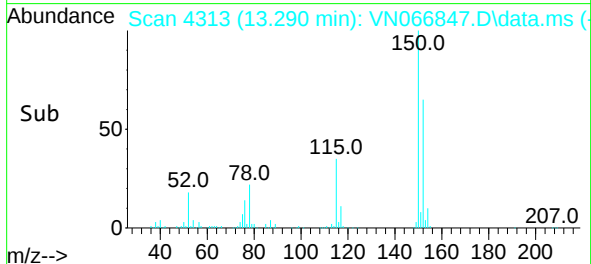
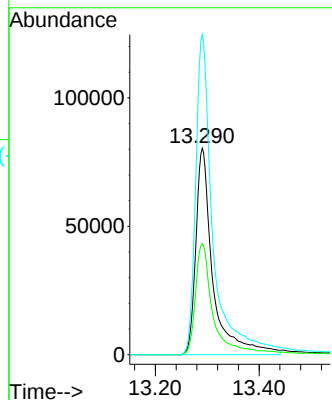
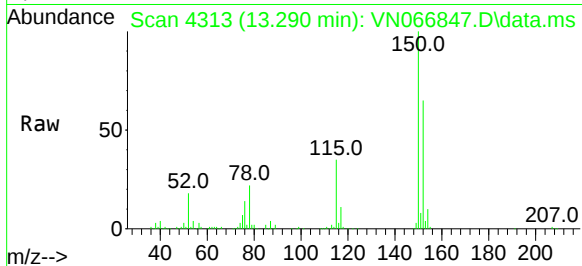




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.290 min Scan# 4313
Delta R.T. 0.003 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

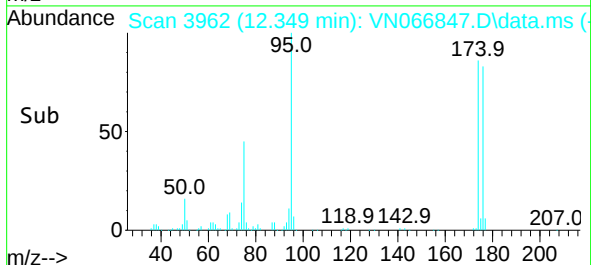
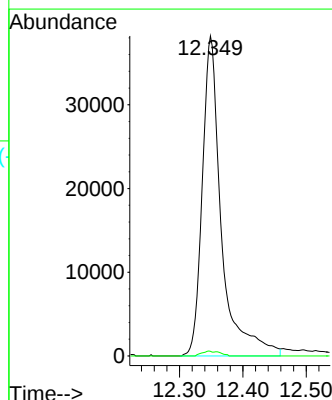
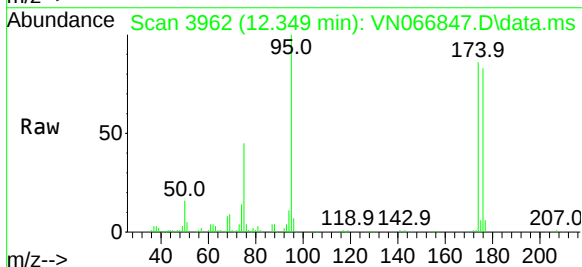
Instrument :
MSVOA_N
ClientSampled :

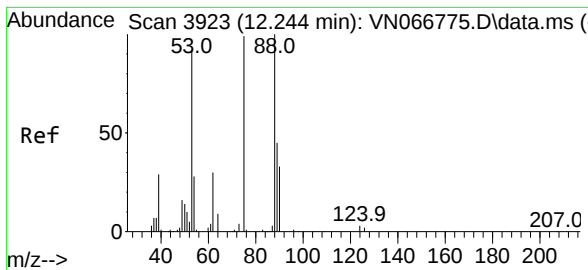
Tgt Ion:152 Resp: 184187
Ion Ratio Lower Upper
152 100
115 54.0 28.5 85.6
150 159.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 20.66 ug/l
RT: 12.349 min Scan# 3962
Delta R.T. -0.147 min
Lab File: VN066847.D
Acq: 29 Apr 2021 6:05

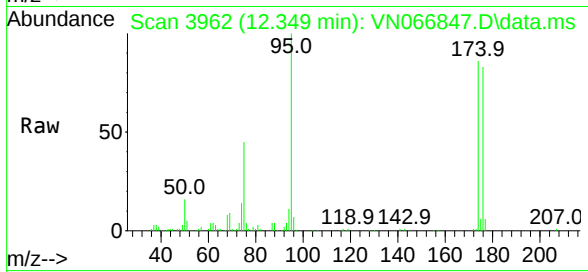
Tgt Ion: 75 Resp: 80217
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.64 ug/l
 RT: 12.349 min Scan# 3962
 Delta R.T. 0.105 min
 Lab File: VN066847.D
 Acq: 29 Apr 2021 6:05

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	80217
Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.6	111.8#
89	0.3	35.8	53.8#

