

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040721\
 Data File : VN066522.D
 Acq On : 7 Apr 2021 21:44
 Operator : JC/MD
 Sample : PB135583ZH#11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 08 01:59:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 06 15:38:34 2021
 Response via : Initial Calibration

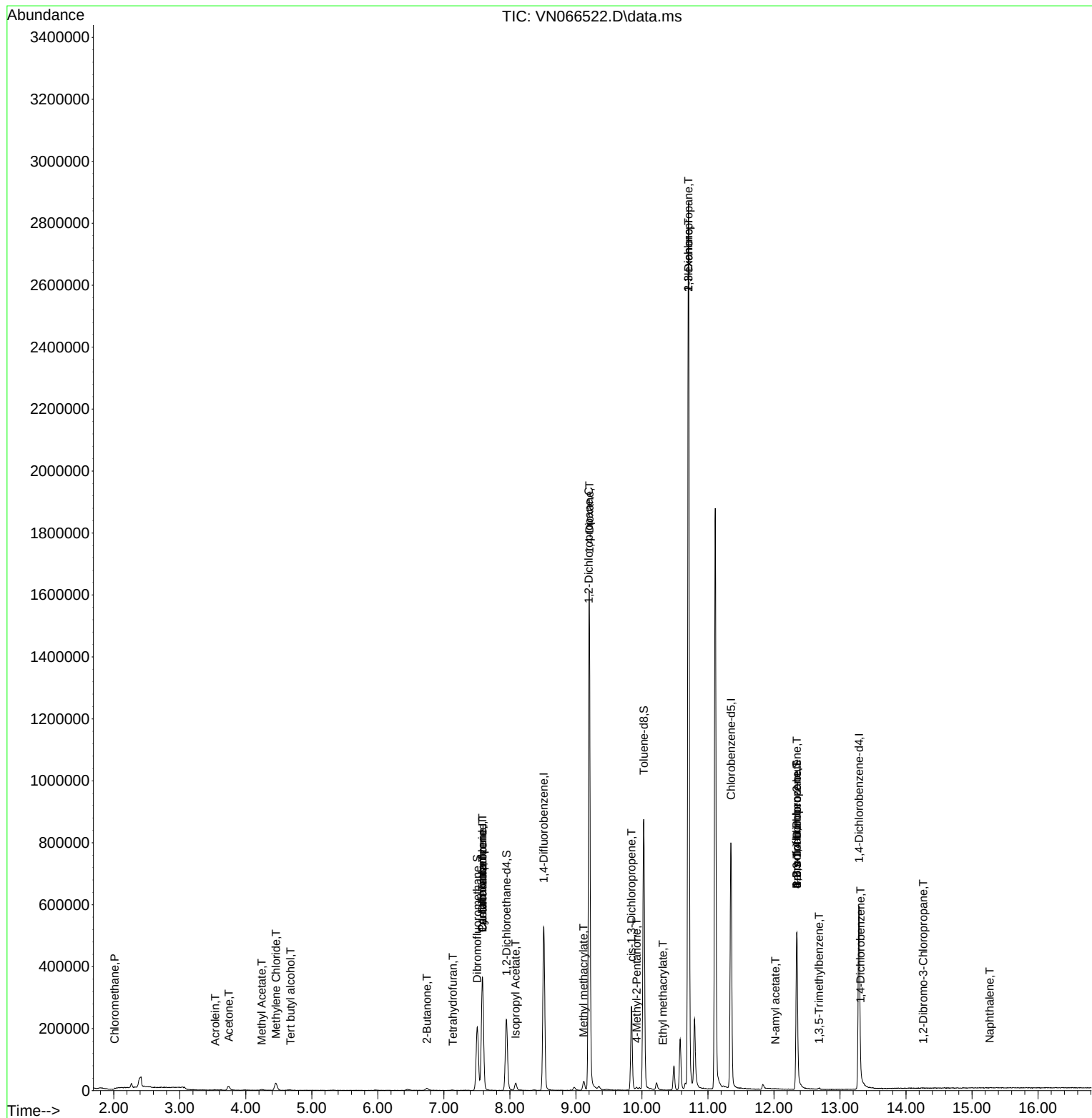
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.584	168	306063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	468783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	460353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.289	152	185330	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.949	65	195472	48.50	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.00%
35) Dibromofluoromethane	7.507	113	156167	48.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.76%
50) Toluene-d8	10.028	98	604919	49.83	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.66%
62) 4-Bromofluorobenzene	12.345	95	187691	47.68	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.36%
Target Compounds						
					Qvalue	
3) Chloromethane	2.014	50	1141	0.25	ug/l	99
11) Tert butyl alcohol	4.677	59	139	0.21	ug/l #	85
13) Acrolein	3.537	56	811	5.93	ug/l #	47
16) Acetone	3.741	43	21879	12.95	ug/l	96
18) Methyl Acetate	4.240	43	5500	1.30	ug/l #	80
20) Methylene Chloride	4.457	84	16581	4.57	ug/l	90
25) 2-Butanone	6.745	43	10505	4.14	ug/l	97
29) Tetrahydrofuran	7.139	42	781	0.46	ug/l #	47
31) Cyclohexane	7.584	56	6499	1.17	ug/l #	18
36) 1,1-Dichloropropene	7.584	75	22613	4.96	ug/l #	45
38) Carbon Tetrachloride	7.584	117	27503	5.96	ug/l #	16
43) Isopropyl Acetate	8.089	43	28200	3.23	ug/l	99
45) 1,2-Dichloropropane	9.196	63	1894	0.50	ug/l #	43
48) Methyl methacrylate	9.116	41	7069	1.82	ug/l #	12
49) 1,4-Dioxane	9.204	88	55	1.05	ug/l #	1
51) 4-Methyl-2-Pentanone	9.920	43	6333	1.22	ug/l	98
54) cis-1,3-Dichloropropene	9.843	75	47074	8.10	ug/l #	61
56) Ethyl methacrylate	10.317	69	90	3.73	ug/l #	1
57) 1,3-Dichloropropane	10.706	76	28991	4.96	ug/l #	42
59) 2-Hexanone	10.706	43	406448	107.66	ug/l #	53
71) Bromoform	12.345	173	1924	0.66	ug/l #	1
74) N-amyl acetate	12.020	43	286	12.78	ug/l #	61
76) 1,2,3-Trichloropropane	12.348	75	97282	23.27	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.683	105	2413	0.22	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.348	75	97282	64.45	ug/l #	12
88) 1,4-Dichlorobenzene	13.310	146	78	1.01	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.260	75	169	0.51	ug/l #	1
95) Naphthalene	15.268	128	137	1.98	ug/l #	69

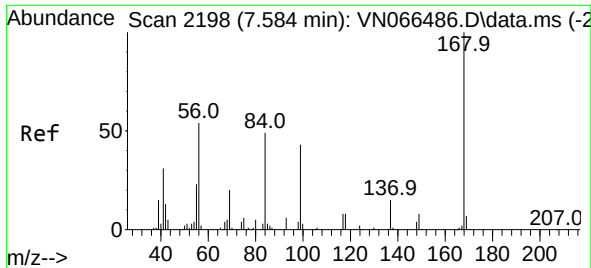
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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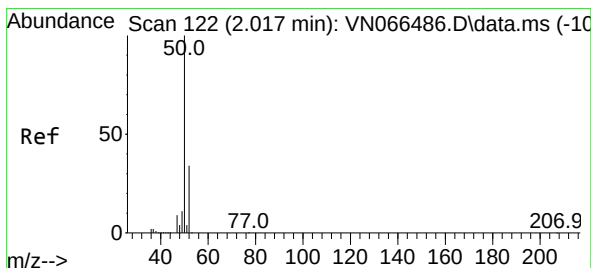
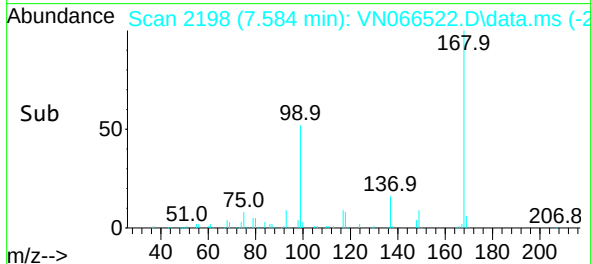
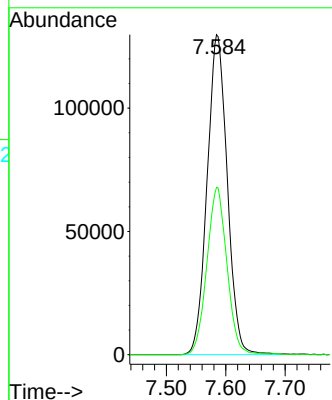
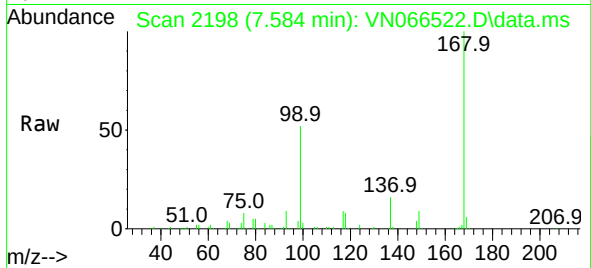




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.000 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

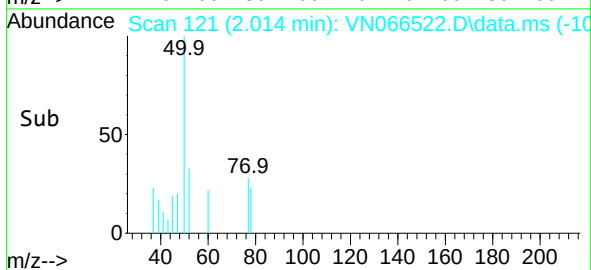
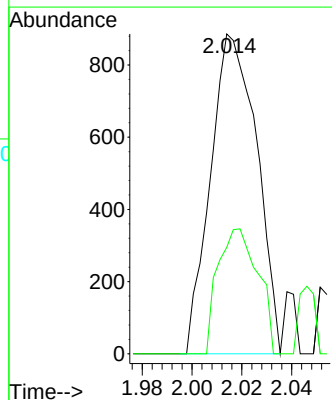
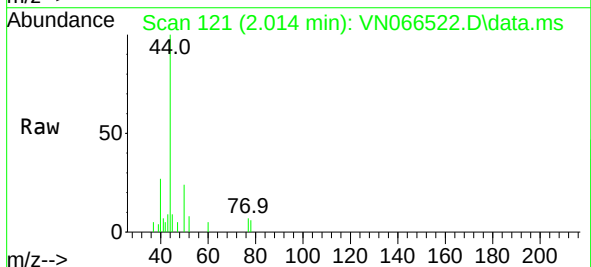
Instrument :
MSVOA_N
ClientSampled :

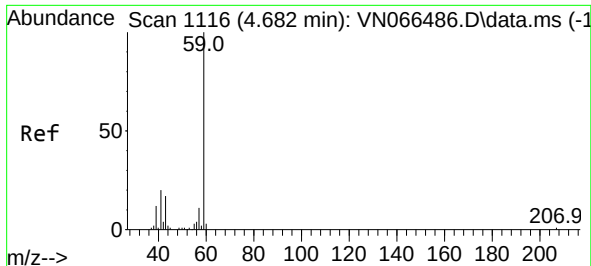
Tgt Ion:168 Resp: 306063
Ion Ratio Lower Upper
168 100
99 52.3 41.1 61.7



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.014 min Scan# 121
Delta R.T. -0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 50 Resp: 1141
Ion Ratio Lower Upper
50 100
52 33.3 26.2 39.2

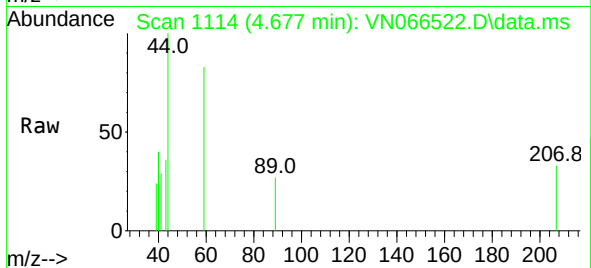




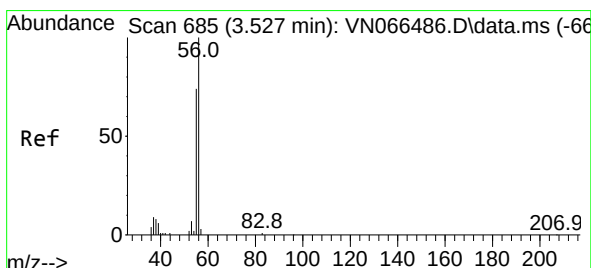
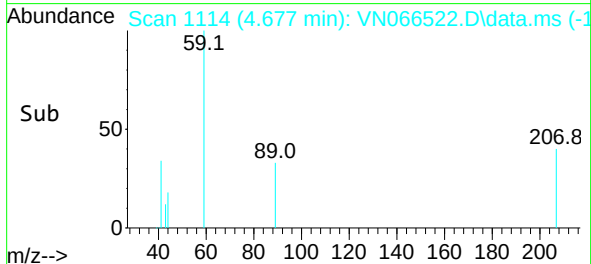
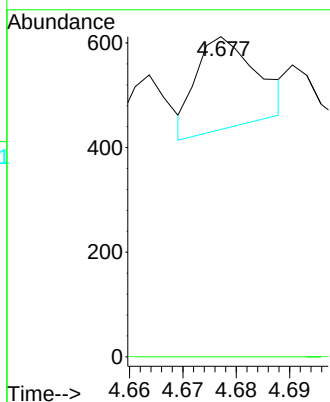
#11

Tert butyl alcohol
Concen: 0.21 ug/l
RT: 4.677 min Scan# 1114
Delta R.T. -0.005 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Instrument :
MSVOA_N
ClientSampled :



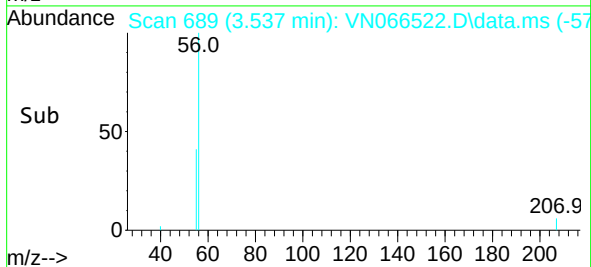
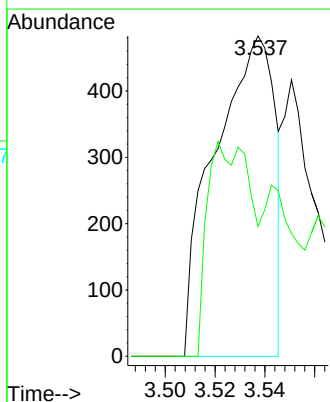
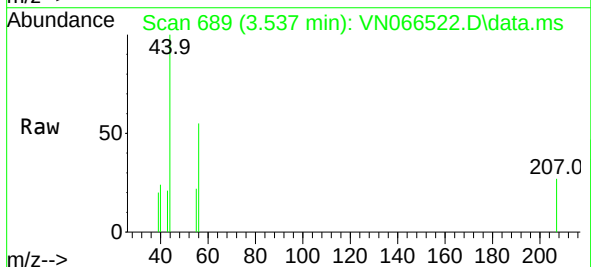
Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 4.1 6.1#

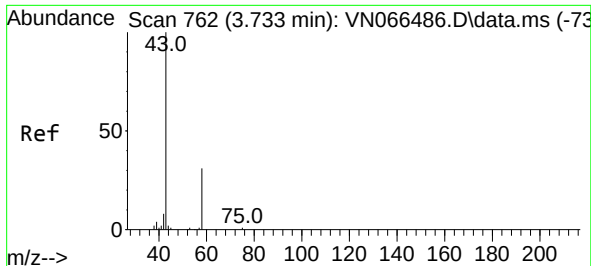


#13

Acrolein
Concen: 5.93 ug/l
RT: 3.537 min Scan# 689
Delta R.T. 0.010 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 56 Resp: 811
Ion Ratio Lower Upper
56 100
55 27.7 57.9 86.9#

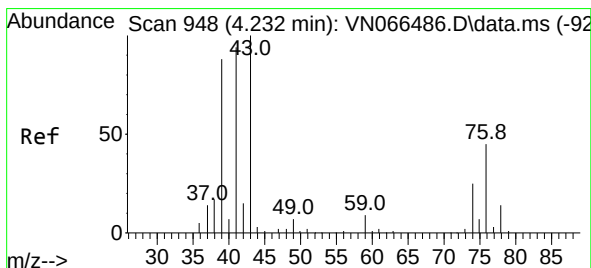
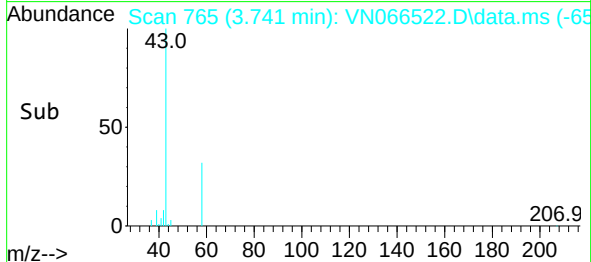
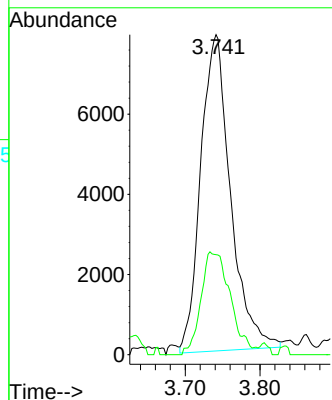
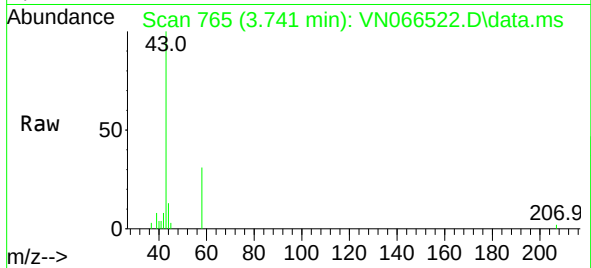




#16
Acetone
Concen: 12.95 ug/l
RT: 3.741 min Scan# 765
Delta R.T. 0.008 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

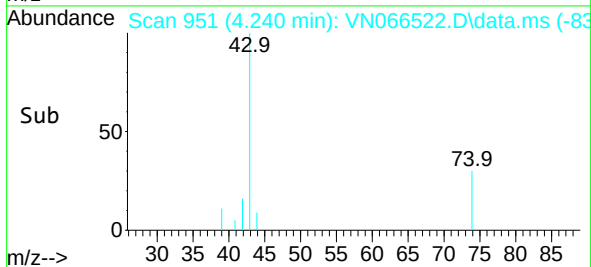
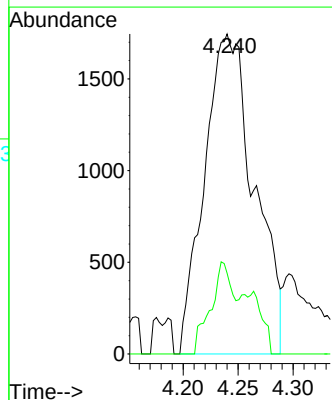
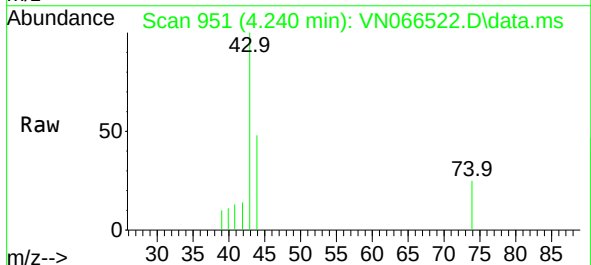
Instrument :
MSVOA_N
ClientSampleId :

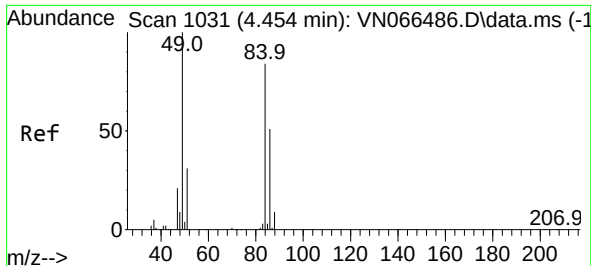
Tgt Ion: 43 Resp: 21879
Ion Ratio Lower Upper
43 100
58 32.0 23.8 35.8



#18
Methyl Acetate
Concen: 1.30 ug/l
RT: 4.240 min Scan# 951
Delta R.T. 0.008 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

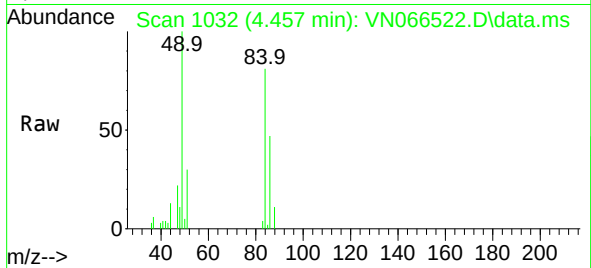
Tgt Ion: 43 Resp: 5500
Ion Ratio Lower Upper
43 100
74 12.6 17.6 26.4#





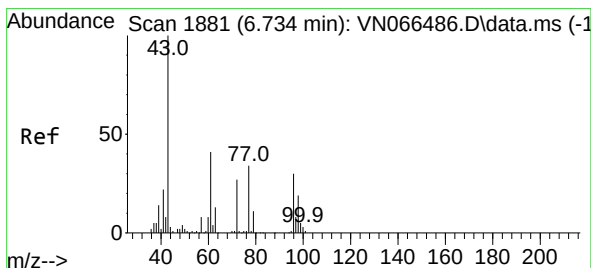
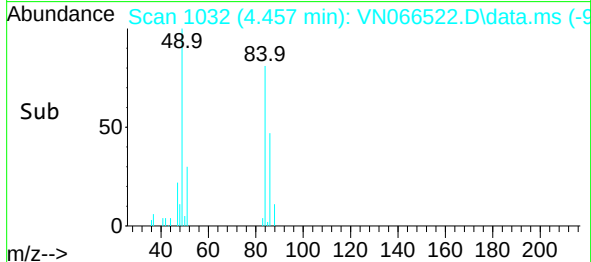
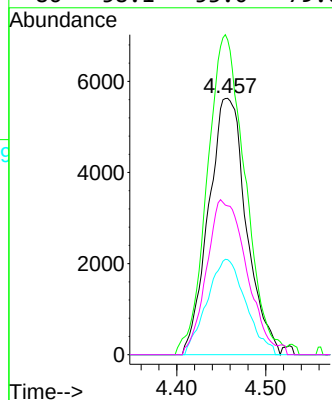
#20
Methylene Chloride
Concen: 4.57 ug/l
RT: 4.457 min Scan# 1032
Delta R.T. 0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 16581

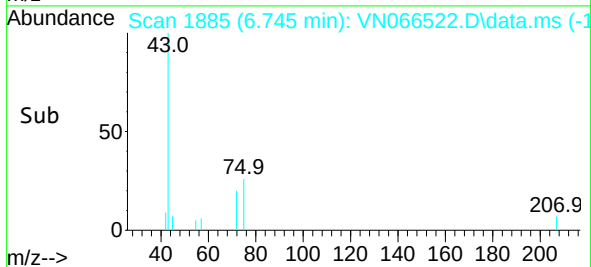
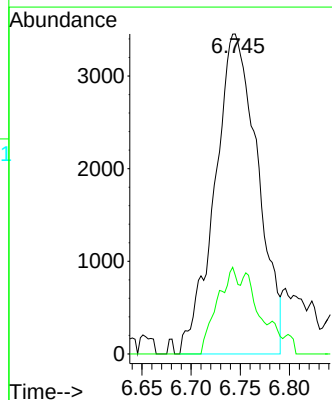
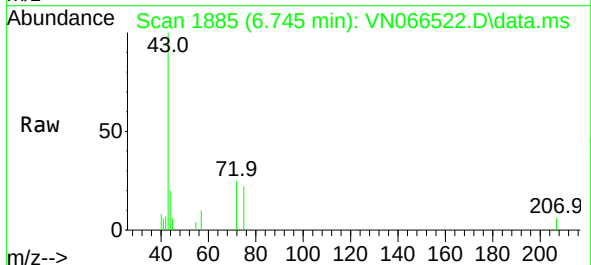
Ion	Ratio	Lower	Upper
84	100		
49	118.4	105.0	157.6
51	37.0	31.6	47.4
86	58.1	53.0	79.6

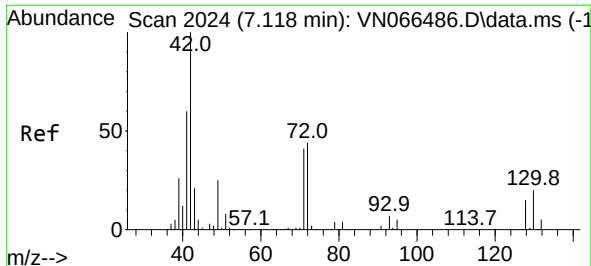


#25
2-Butanone
Concen: 4.14 ug/l
RT: 6.745 min Scan# 1885
Delta R.T. 0.011 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 43 Resp: 10505

Ion	Ratio	Lower	Upper
43	100		
72	24.6	20.7	31.1

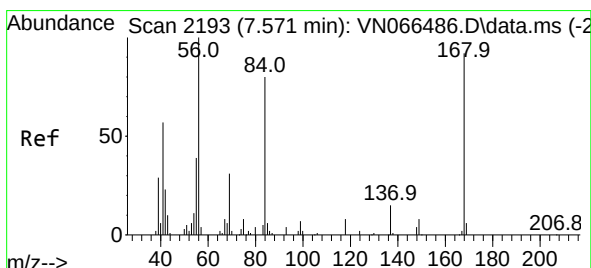
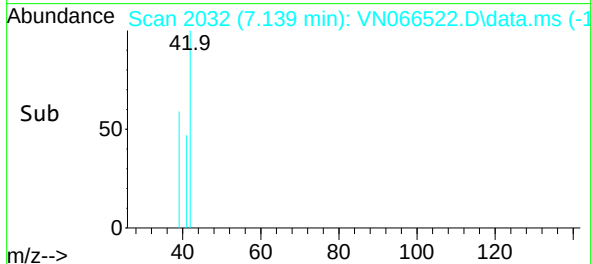
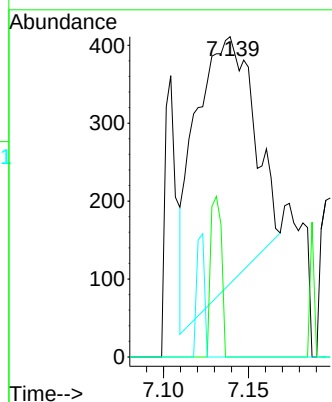
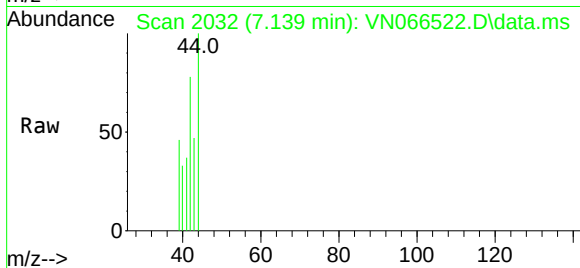




#29
Tetrahydrofuran
Concen: 0.46 ug/l
RT: 7.139 min Scan# 2032
Delta R.T. 0.021 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

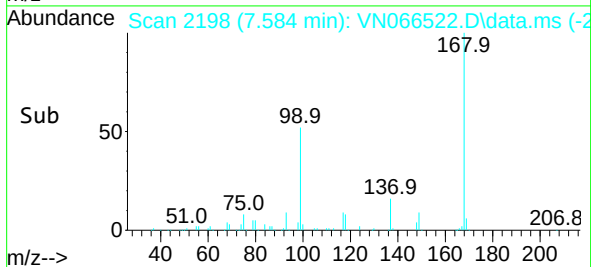
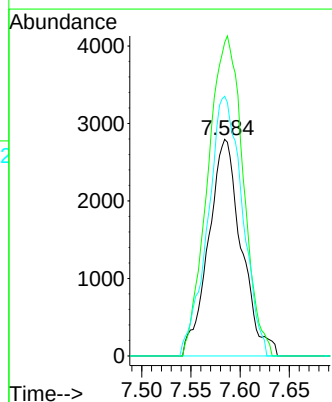
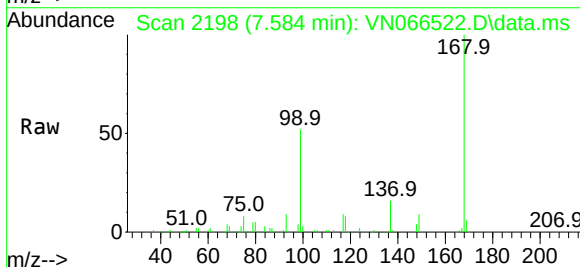
Instrument :
MSVOA_N
ClientSampled :

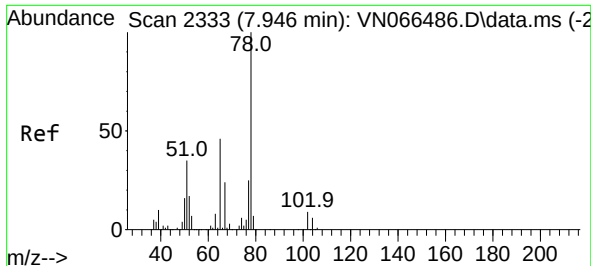
Tgt Ion: 42 Resp: 781
Ion Ratio Lower Upper
42 100
72 11.8 35.2 52.8#
71 6.4 33.1 49.7#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. 0.013 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 56 Resp: 6499
Ion Ratio Lower Upper
56 100
69 144.7 26.6 40.0#
84 119.9 68.7 103.1#

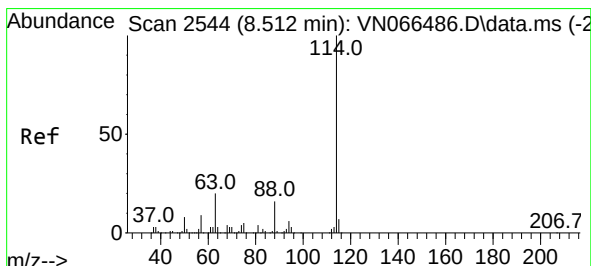
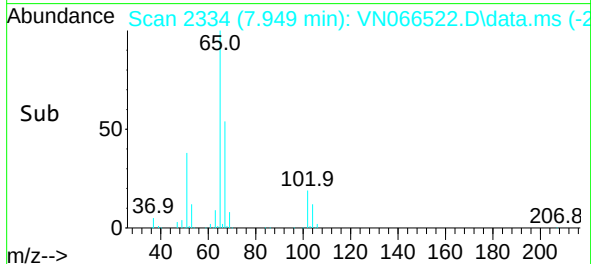
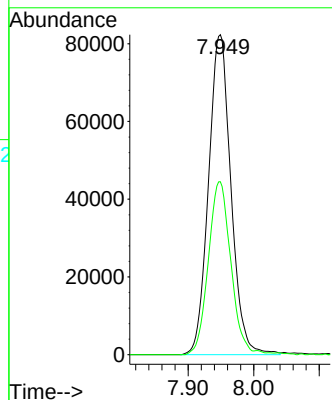
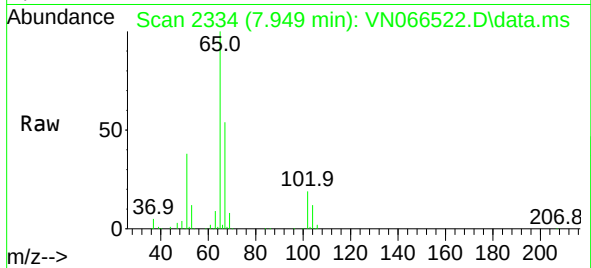




#33
1,2-Dichloroethane-d4
Concen: 48.50 ug/l
RT: 7.949 min Scan# 2334
Delta R.T. 0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

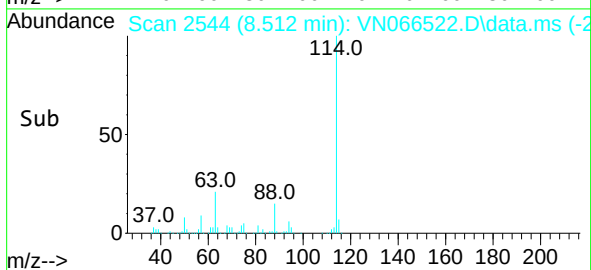
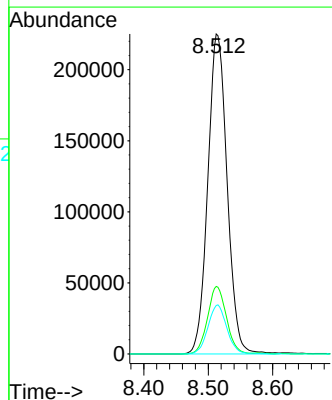
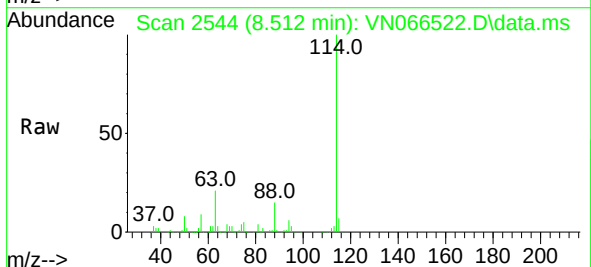
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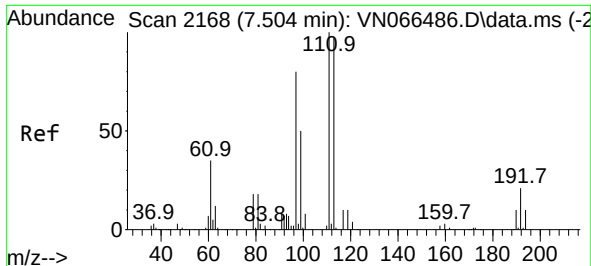
Tgt Ion: 65 Resp: 195472
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.512 min Scan# 2544
Delta R.T. 0.000 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 114 Resp: 468783
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.0
88 15.1 0.0 31.0

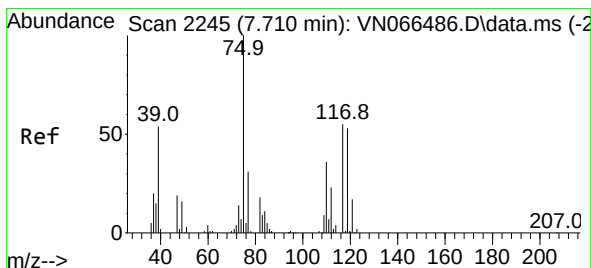
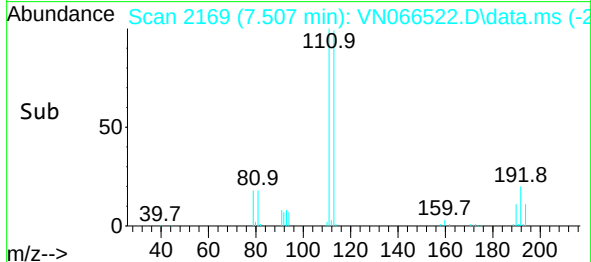
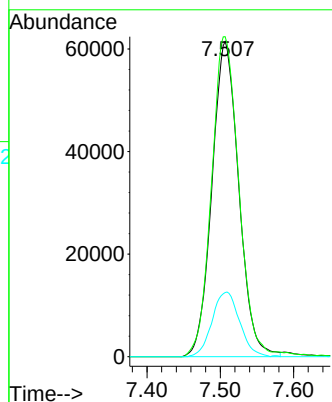
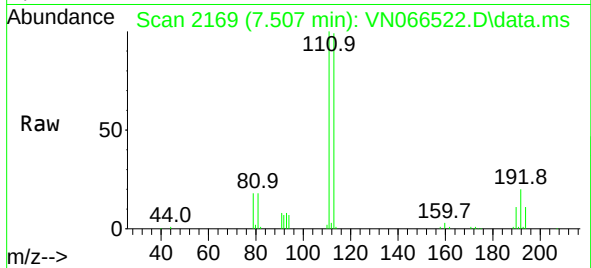




#35
Dibromofluoromethane
Concen: 48.88 ug/l
RT: 7.507 min Scan# 2169
Delta R.T. 0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

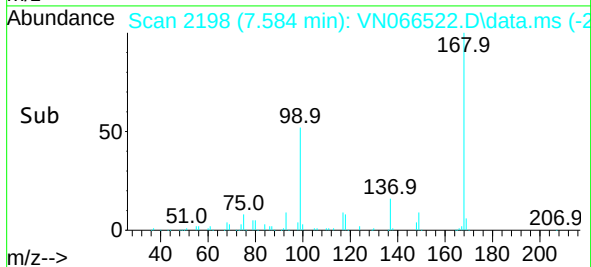
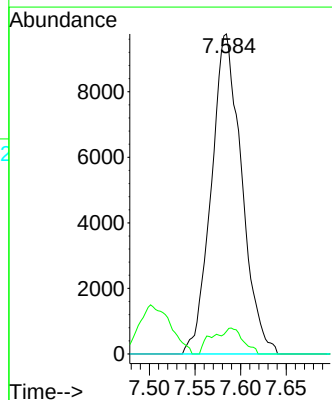
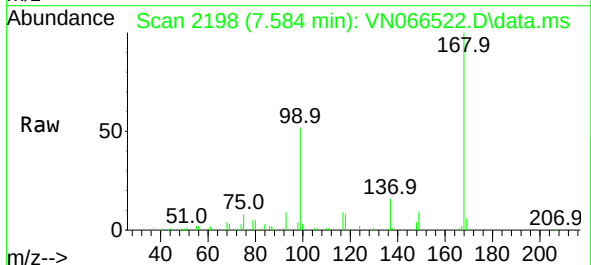
Instrument :
MSVOA_N
ClientSampleId :

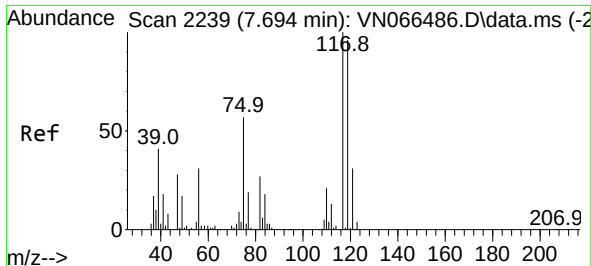
Tgt Ion:113 Resp: 156167
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 21.0 17.1 25.7



#36
1,1-Dichloropropene
Concen: 4.96 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.126 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

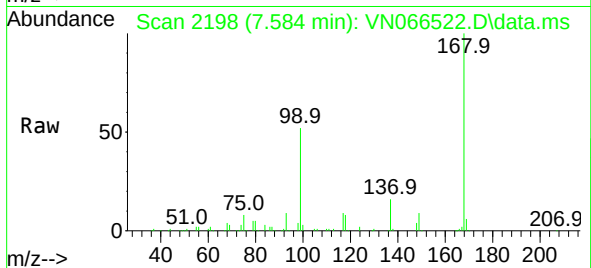
Tgt Ion: 75 Resp: 22613
Ion Ratio Lower Upper
75 100
110 4.9 18.1 54.3#
77 0.0 25.0 37.4#



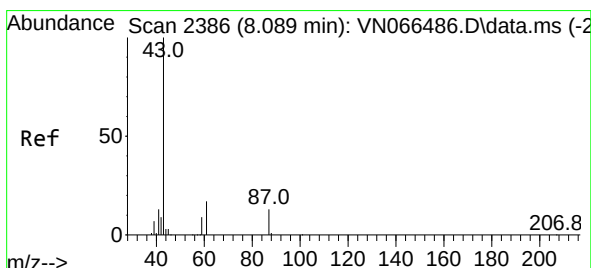
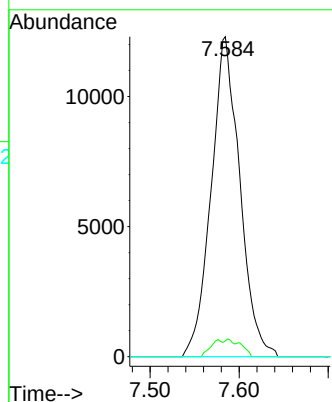
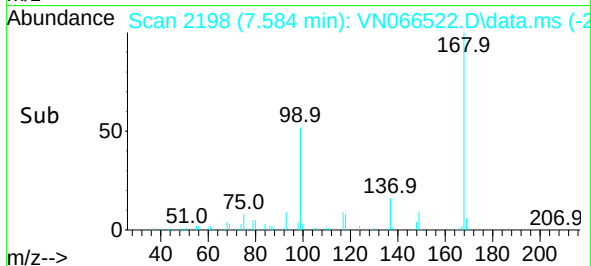


#38
Carbon Tetrachloride
Concen: 5.96 ug/l
RT: 7.584 min Scan# 2198
Delta R.T. -0.110 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

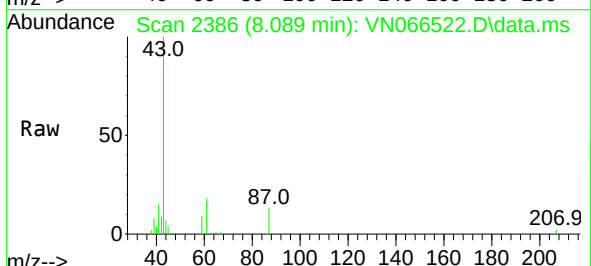
Instrument :
MSVOA_N
ClientSampled :



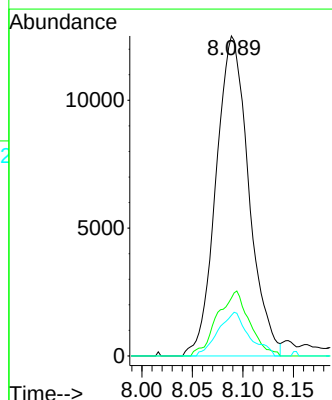
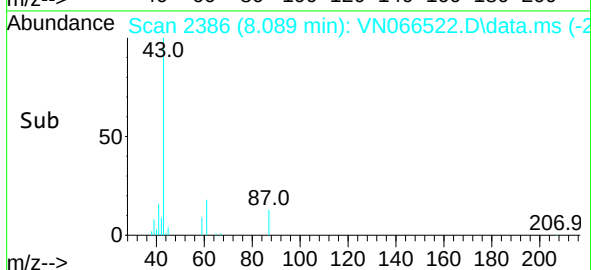
Tgt Ion:117 Resp: 27503
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.2 36.4#

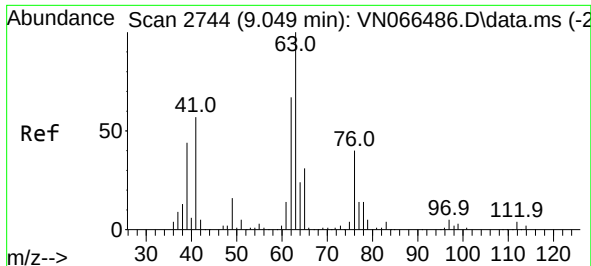


#43
Isopropyl Acetate
Concen: 3.23 ug/l
RT: 8.089 min Scan# 2386
Delta R.T. -0.000 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44



Tgt Ion: 43 Resp: 28200
Ion Ratio Lower Upper
43 100
61 20.1 15.5 23.3
87 12.8 10.5 15.7

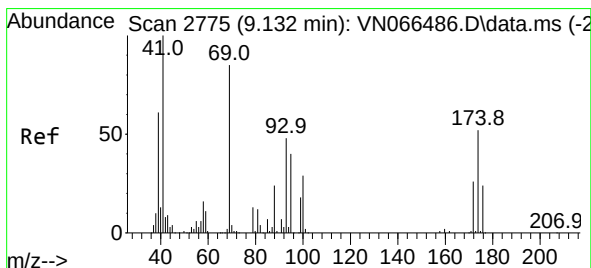
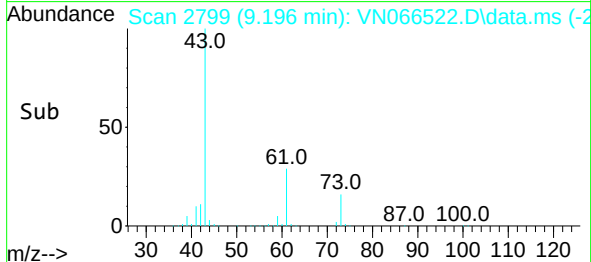
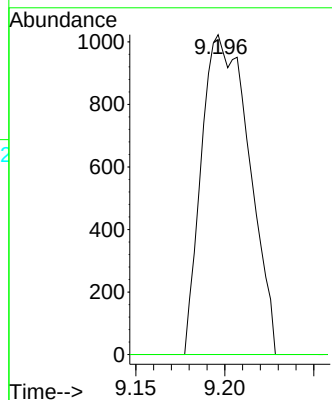
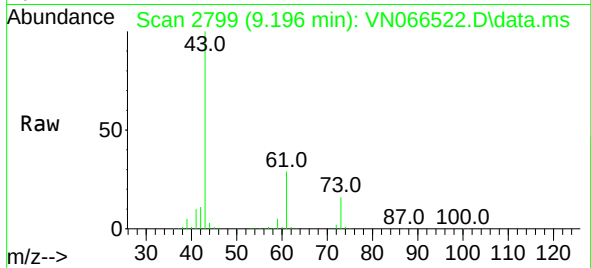




#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.196 min Scan# 2799
Delta R.T. 0.147 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

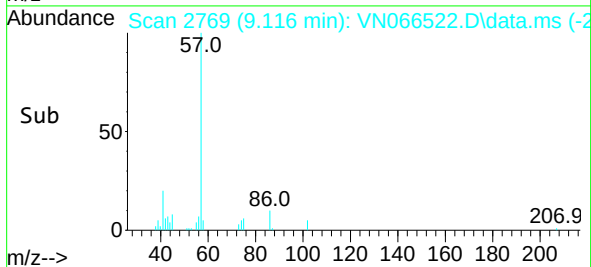
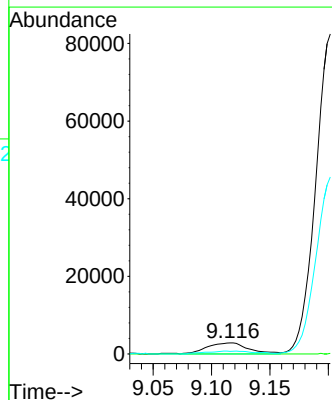
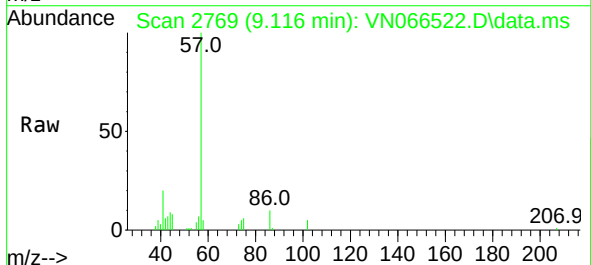
Instrument :
MSVOA_N
ClientSampled :

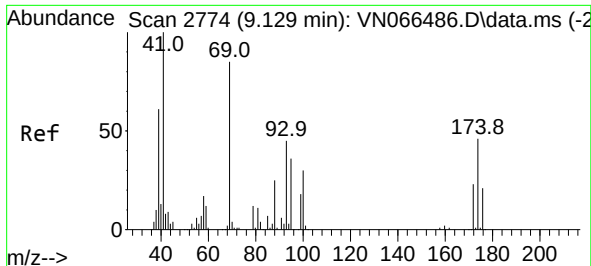
Tgt Ion: 63 Resp: 1894
Ion Ratio Lower Upper
63 100
65 0.0 25.5 38.3#



#48
Methyl methacrylate
Concen: 1.82 ug/l
RT: 9.116 min Scan# 2769
Delta R.T. -0.016 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

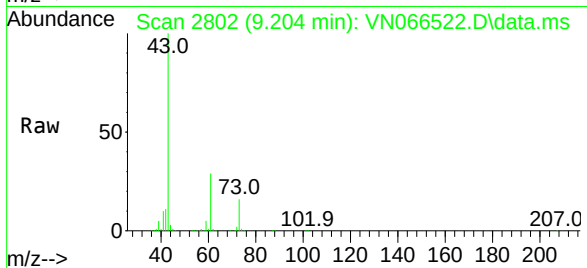
Tgt Ion: 41 Resp: 7069
Ion Ratio Lower Upper
41 100
69 0.0 66.2 99.4#
39 0.0 51.5 77.3#



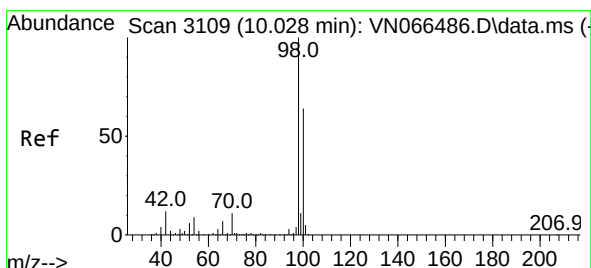
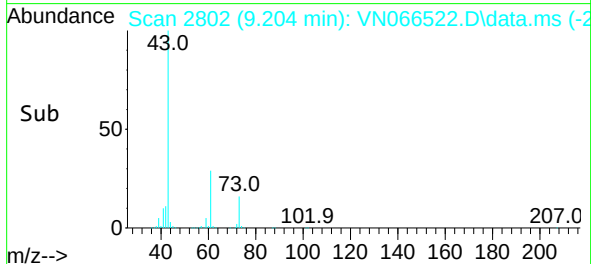
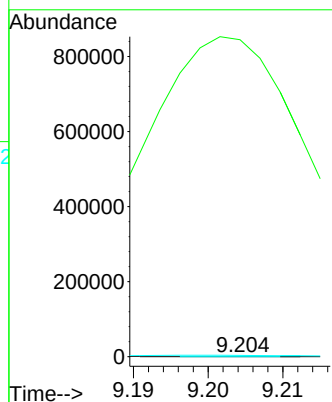


#49
1,4-Dioxane
Concen: 1.05 ug/l
RT: 9.204 min Scan# 2802
Delta R.T. 0.075 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Instrument :
MSVOA_N
ClientSampled :

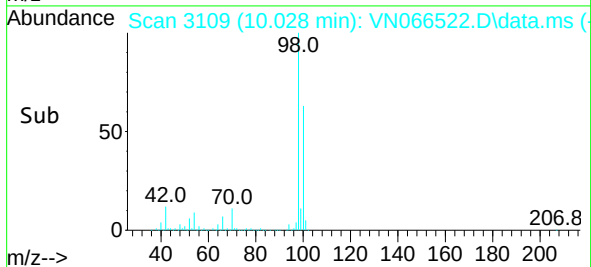
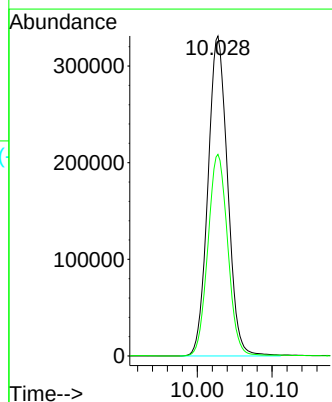
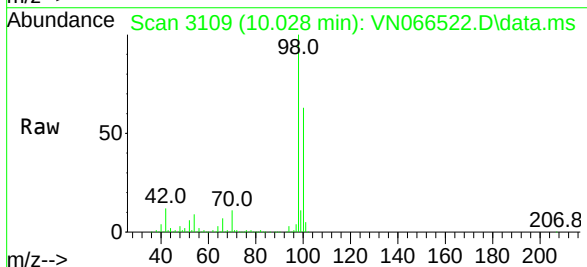


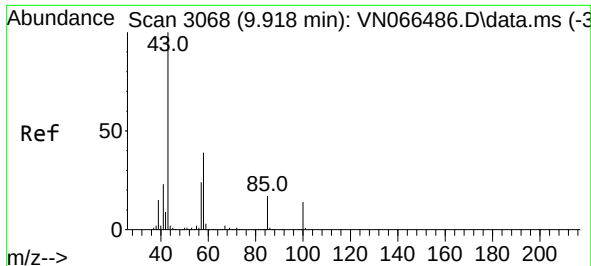
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 2881347.3 28.2 42.4#
58 14025.5 56.6 84.8#



#50
Toluene-d8
Concen: 49.83 ug/l
RT: 10.028 min Scan# 3109
Delta R.T. -0.000 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 98 Resp: 604919
Ion Ratio Lower Upper
98 100
100 63.4 50.5 75.7

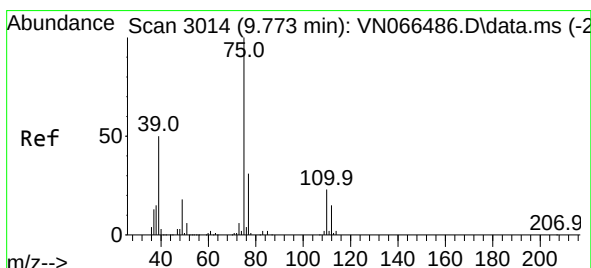
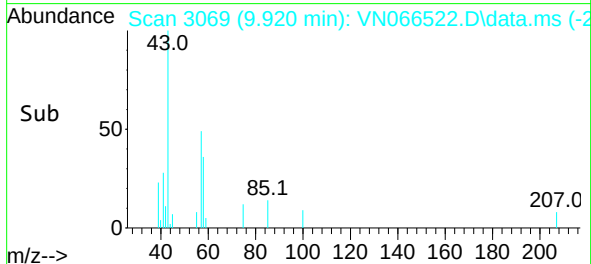
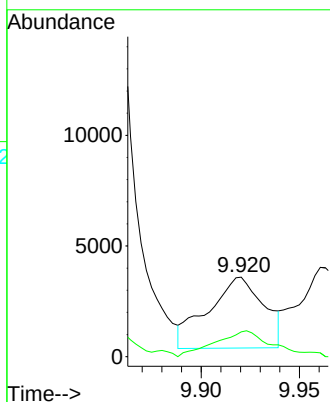
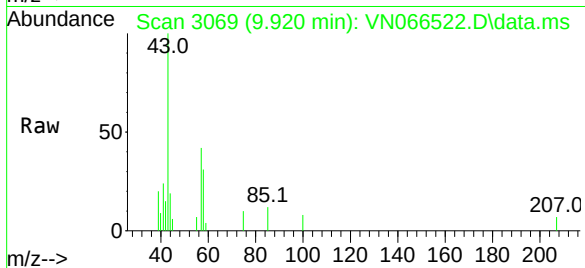




#51
4-Methyl-2-Pentanone
Concen: 1.22 ug/l
RT: 9.920 min Scan# 3069
Delta R.T. 0.002 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

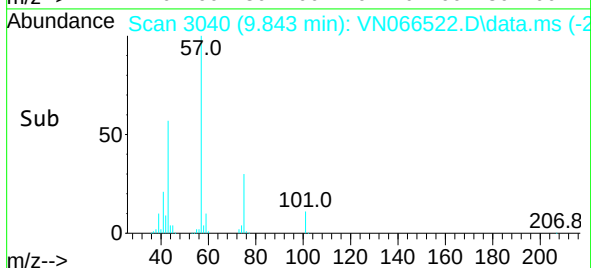
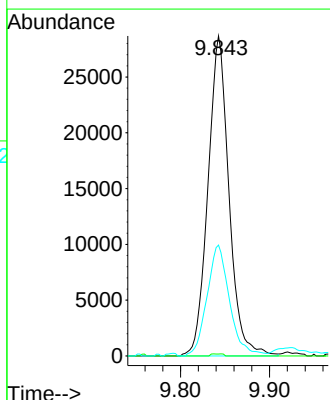
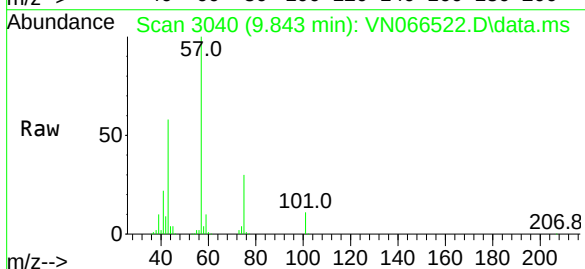
Instrument :
MSVOA_N
ClientSampled :

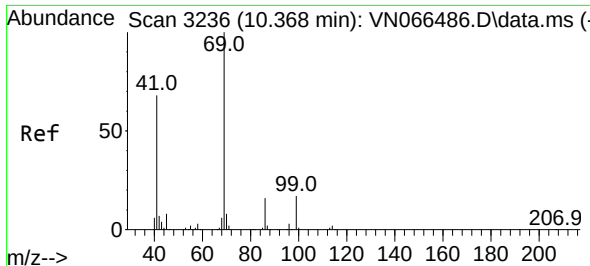
Tgt Ion: 43 Resp: 6333
Ion Ratio Lower Upper
43 100
58 37.5 30.8 46.2



#54
cis-1,3-Dichloropropene
Concen: 8.10 ug/l
RT: 9.843 min Scan# 3040
Delta R.T. 0.070 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 75 Resp: 47074
Ion Ratio Lower Upper
75 100
77 0.6 25.4 38.2#
39 34.6 44.2 66.4#

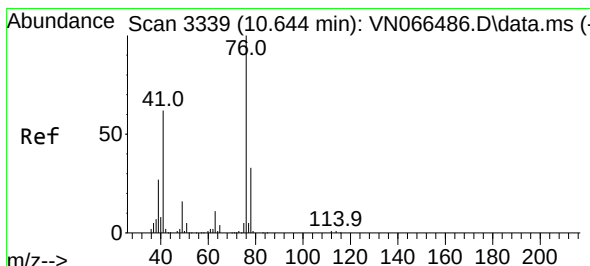
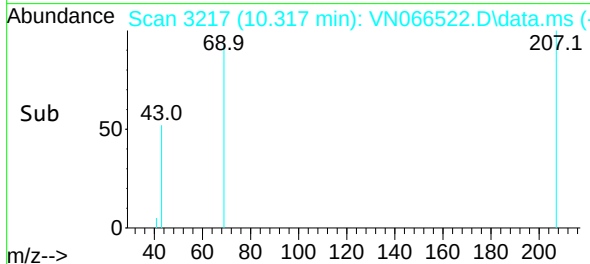
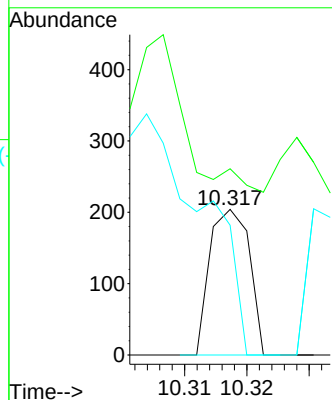
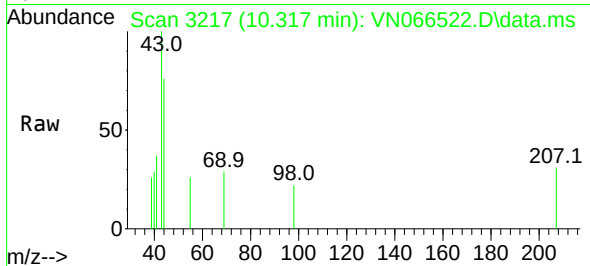




#56
Ethyl methacrylate
Concen: 3.73 ug/l
RT: 10.317 min Scan# 3217
Delta R.T. -0.051 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

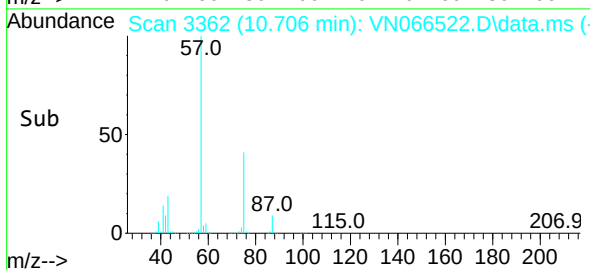
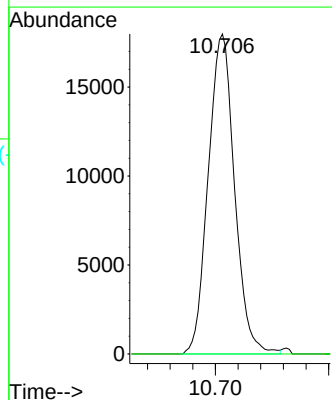
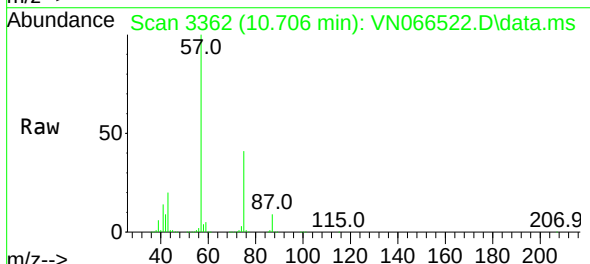
Instrument :
MSVOA_N
ClientSampleId :

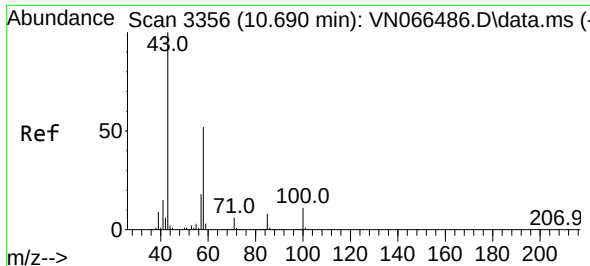
Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 0.0 55.3 82.9#
39 361.1 33.8 50.6#



#57
1,3-Dichloropropane
Concen: 4.96 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.062 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 76 Resp: 28991
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

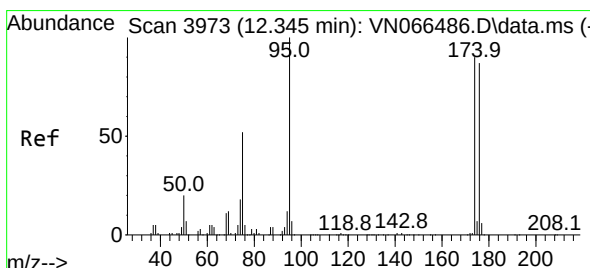
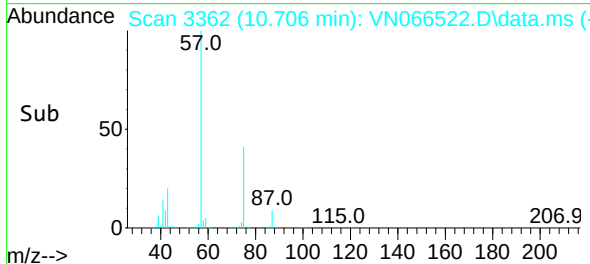
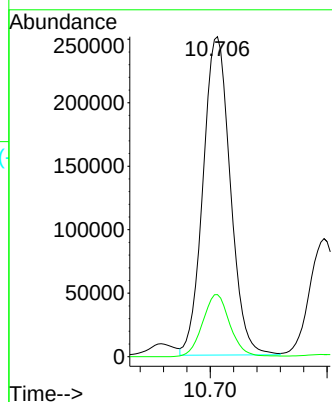
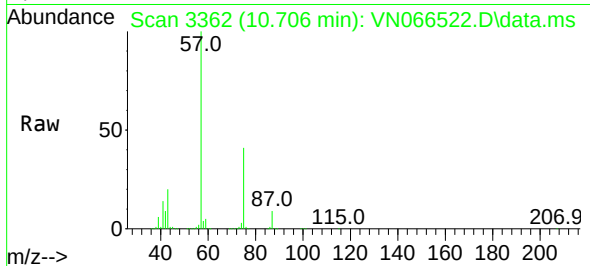




#59
2-Hexanone
Concen: 107.66 ug/l
RT: 10.706 min Scan# 3362
Delta R.T. 0.016 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

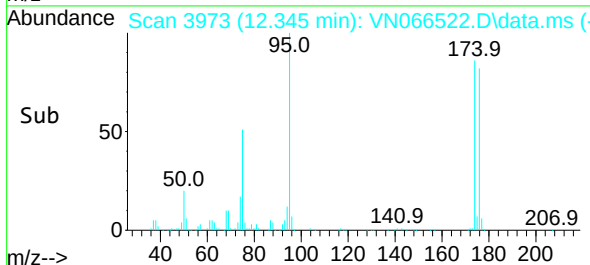
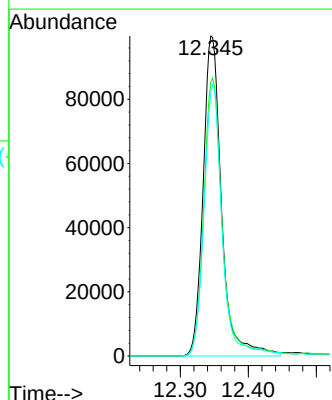
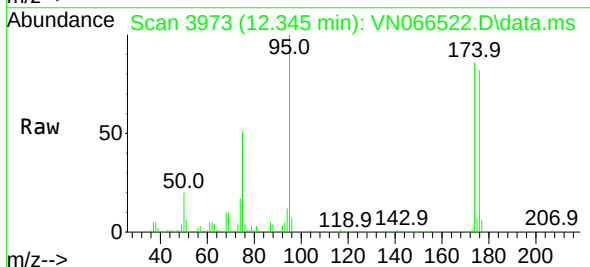
Instrument :
MSVOA_N
ClientSampled :

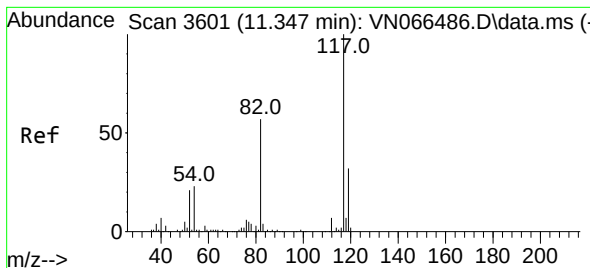
Tgt Ion: 43 Resp: 406448
Ion Ratio Lower Upper
43 100
58 19.7 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 47.68 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

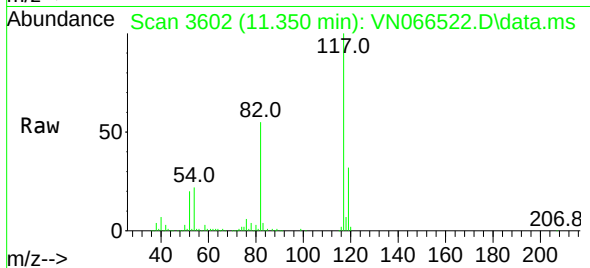
Tgt Ion: 95 Resp: 187691
Ion Ratio Lower Upper
95 100
174 88.0 0.0 172.2
176 81.8 0.0 167.8



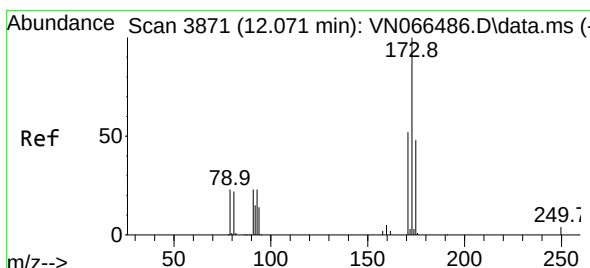
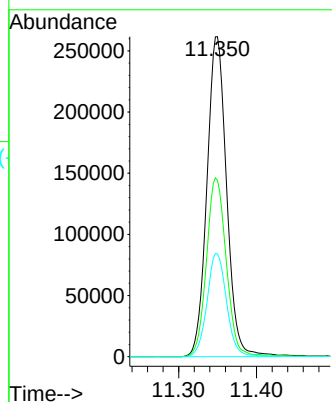
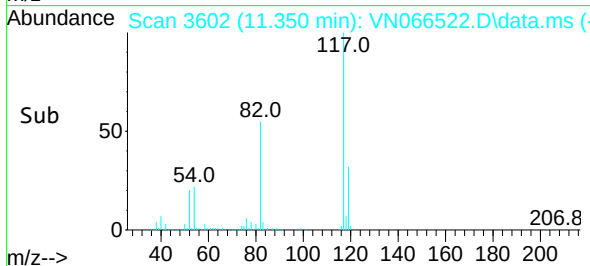


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3602
Delta R.T. 0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

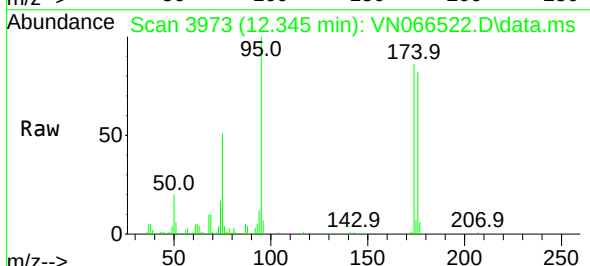
Instrument :
MSVOA_N
ClientSampleId :



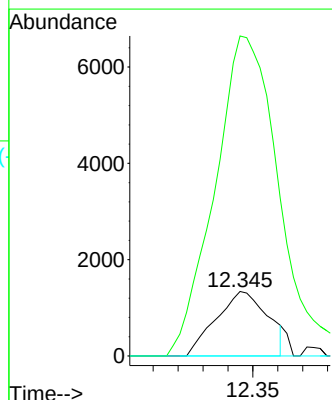
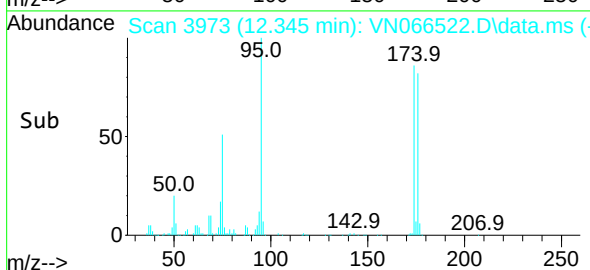
Tgt Ion:117 Resp: 460353
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.4
119 32.2 25.8 38.6

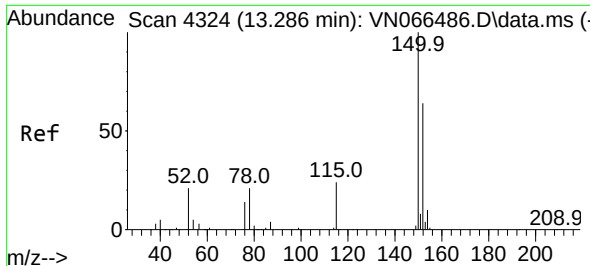


#71
Bromoform
Concen: 0.66 ug/l
RT: 12.345 min Scan# 3973
Delta R.T. 0.274 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44



Tgt Ion:173 Resp: 1924
Ion Ratio Lower Upper
173 100
175 543.3 24.3 72.8#
254 0.0 0.0 0.0

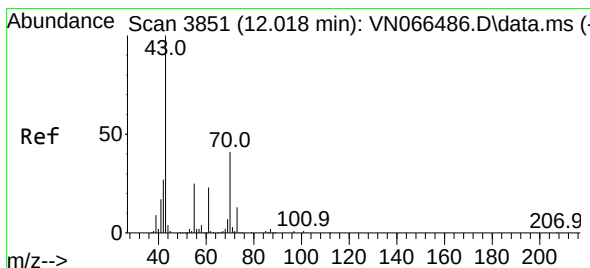
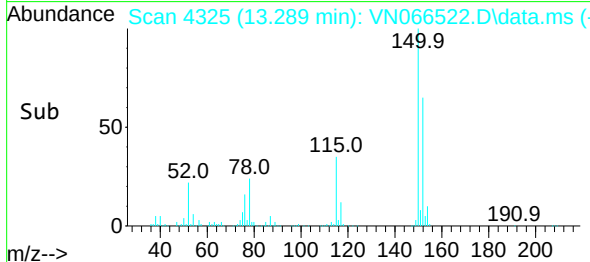
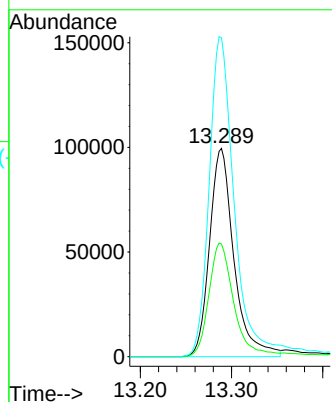
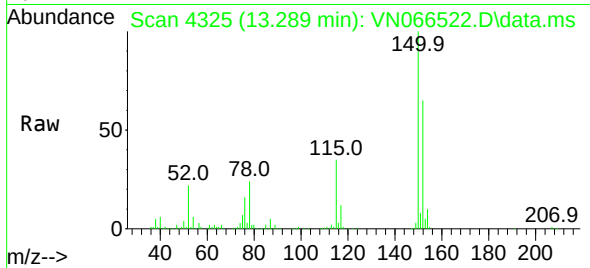




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.289 min Scan# 4325
Delta R.T. 0.003 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

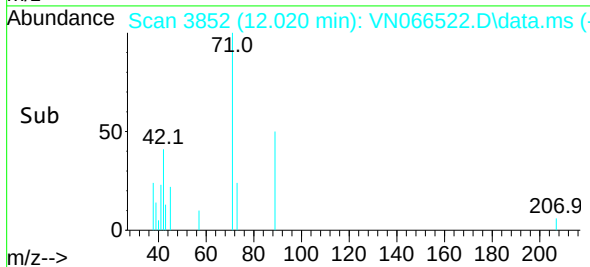
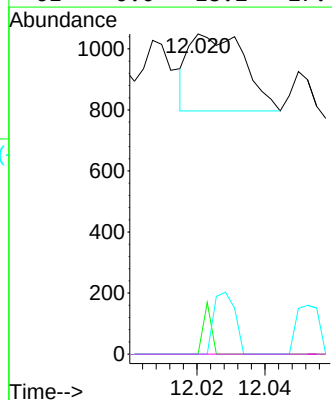
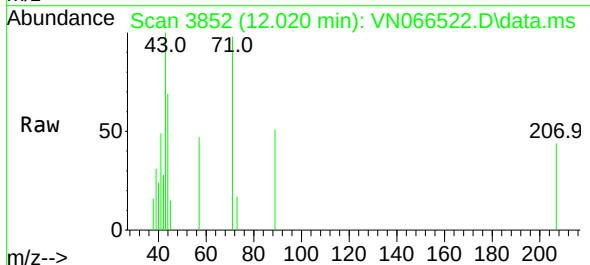
Instrument :
MSVOA_N
ClientSampleId :

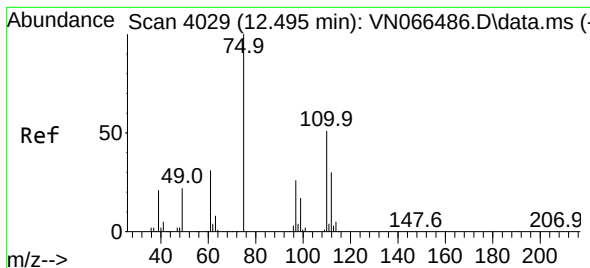
Tgt Ion:152 Resp: 185330
Ion Ratio Lower Upper
152 100
115 55.2 27.8 83.4
150 162.0 0.0 348.4



#74
N-ethyl acetate
Concen: 12.78 ug/l
RT: 12.020 min Scan# 3852
Delta R.T. 0.002 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
70 9.4 31.2 46.8#
55 30.4 18.6 28.0#
61 0.0 18.2 27.4#

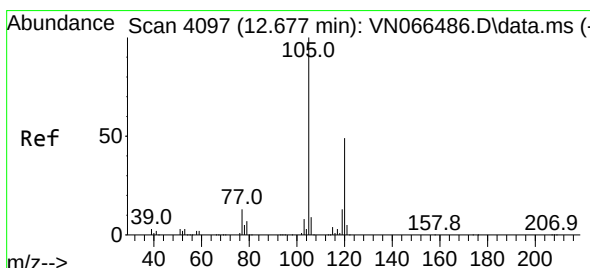
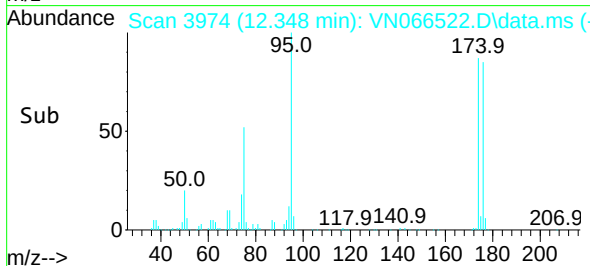
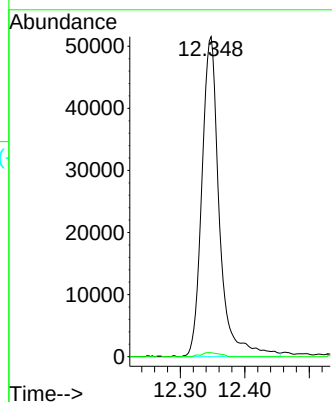
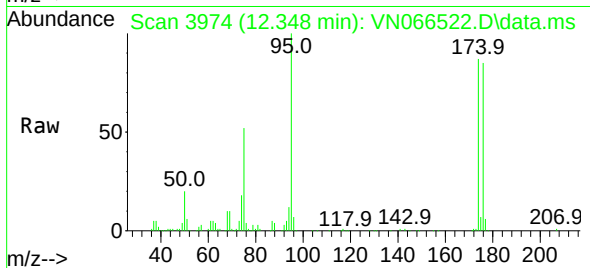




#76
1,2,3-Trichloropropane
Concen: 23.27 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. -0.147 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

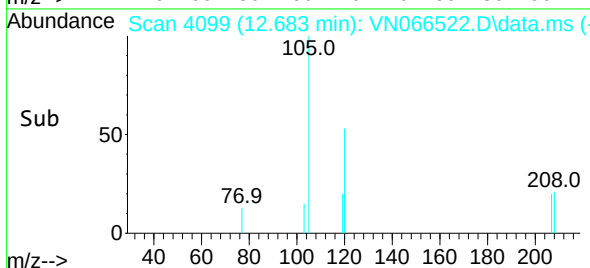
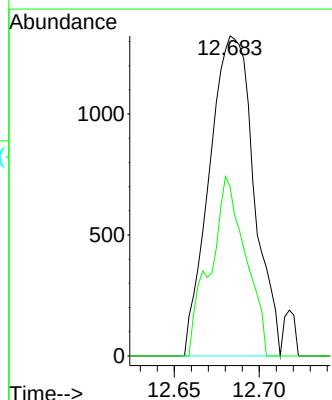
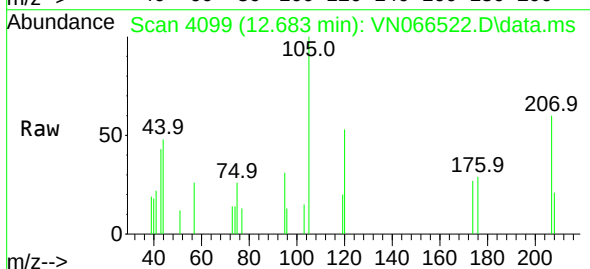
Instrument :
MSVOA_N
ClientSampleId :

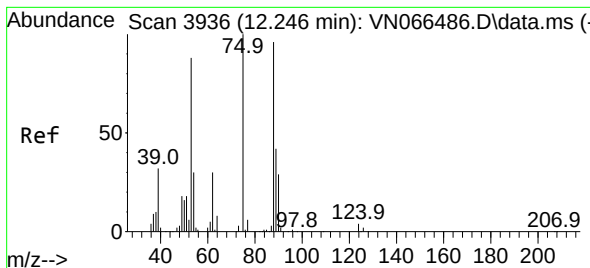
Tgt Ion: 75 Resp: 97282
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.22 ug/l
RT: 12.683 min Scan# 4099
Delta R.T. 0.006 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 105 Resp: 2413
Ion Ratio Lower Upper
105 100
120 44.4 24.5 73.5

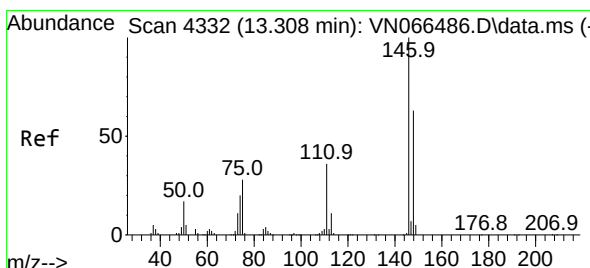
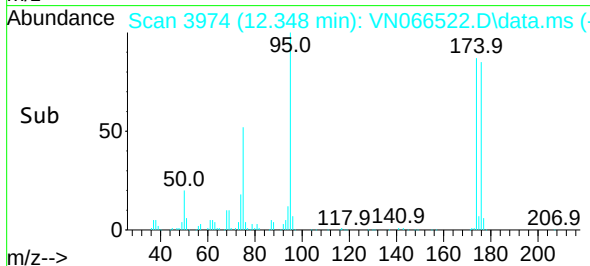
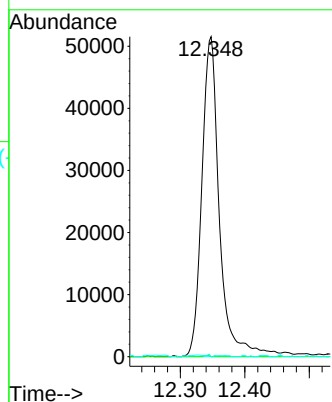
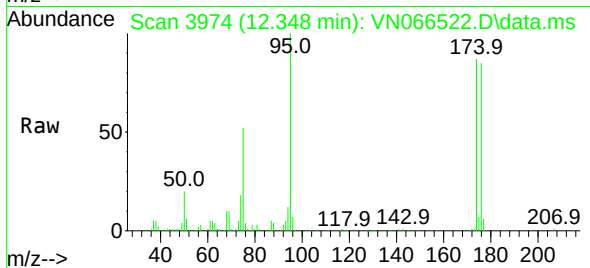




#81
trans-1,4-Dichloro-2-butene
Concen: 64.45 ug/l
RT: 12.348 min Scan# 3974
Delta R.T. 0.102 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

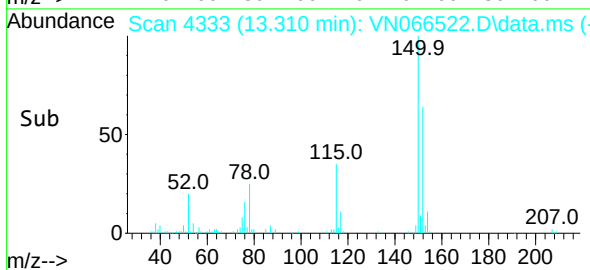
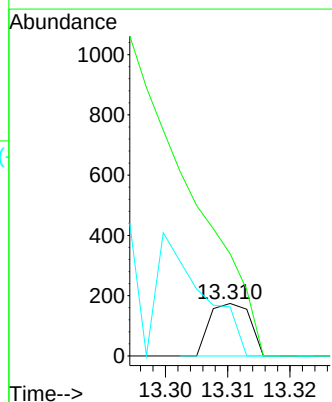
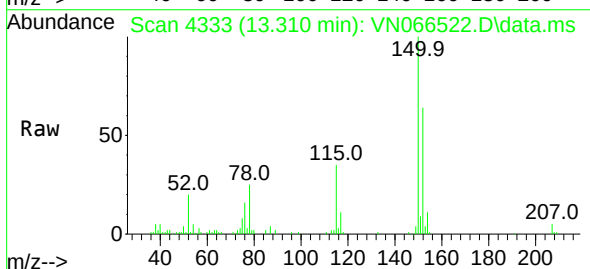
Instrument :
MSVOA_N
ClientSampleId :

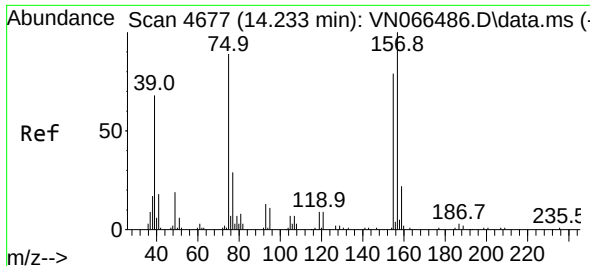
Tgt Ion: 75 Resp: 97282
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 35.7 53.5#



#88
1,4-Dichlorobenzene
Concen: 1.01 ug/l
RT: 13.310 min Scan# 4333
Delta R.T. 0.002 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion: 146 Resp: 78
Ion Ratio Lower Upper
146 100
111 0.0 18.3 54.9#
148 264.1 31.9 95.9#

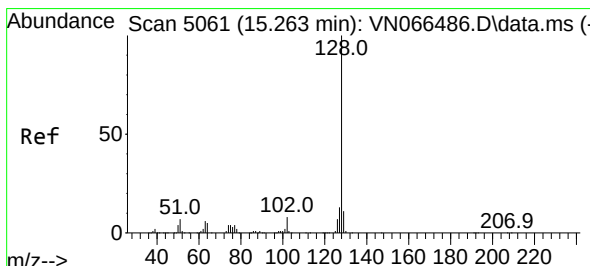
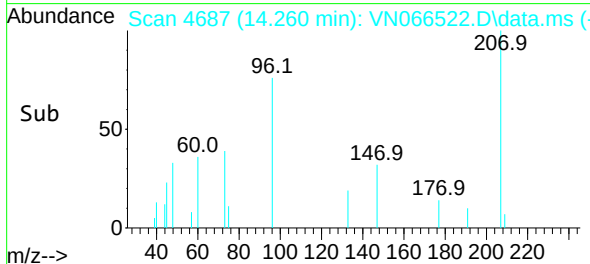
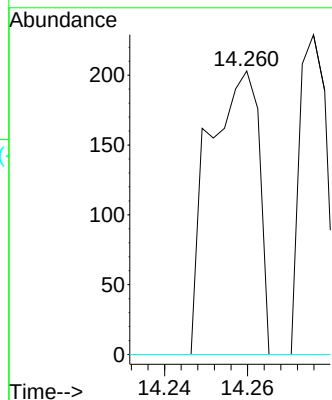
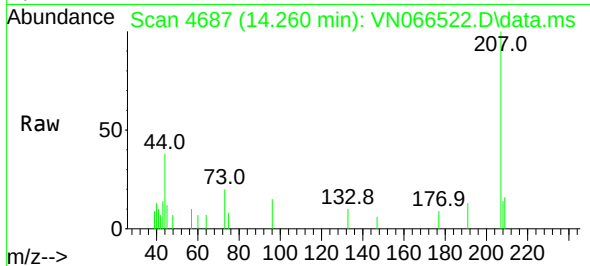




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.51 ug/l
RT: 14.260 min Scan# 4687
Delta R.T. 0.027 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 75 Resp: 169
Ion Ratio Lower Upper
75 100
155 0.0 43.8 131.3#
157 0.0 57.6 172.8#



#95
Naphthalene
Concen: 1.98 ug/l
RT: 15.268 min Scan# 5063
Delta R.T. 0.005 min
Lab File: VN066522.D
Acq: 7 Apr 2021 21:44

Tgt Ion:128 Resp: 137
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.5 12.7#

