

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062921\
 Data File : VN067551.D
 Acq On : 29 Jun 2021 14:26
 Operator : JC/MD
 Sample : M2847-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 29 15:24:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062821W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 28 14:31:03 2021
 Response via : Initial Calibration

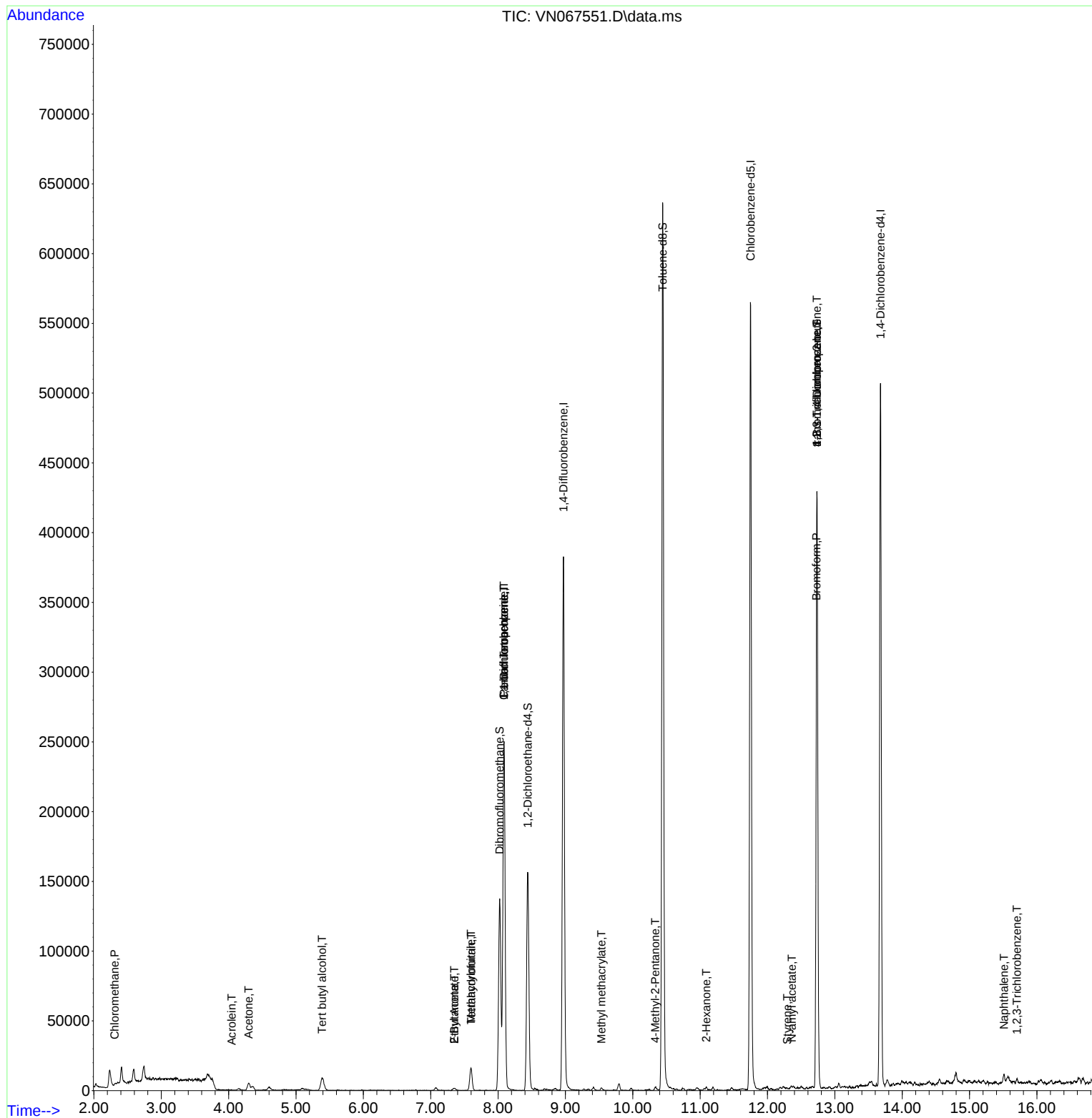
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	180120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	332974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	324753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	127398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	134348	54.500	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 109.000%	
35) Dibromofluoromethane	8.024	113	98719	47.819	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.640%	
50) Toluene-d8	10.443	98	450005	53.660	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 107.320%	
62) 4-Bromofluorobenzene	12.734	95	151815	51.826	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.660%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	558	0.249	ug/l #	43
11) Tert butyl alcohol	5.385	59	17764	48.275	ug/l #	77
13) Acrolein	4.044	56	54	2.447	ug/l #	75
16) Acetone	4.296	43	9976	12.269	ug/l	91
20) Methylene Chloride	5.079	84	204	Below Cal	#	22
25) 2-Butanone	7.351	43	1283	1.023	ug/l	95
29) Tetrahydrofuran	7.603	42	2170	2.599	ug/l #	35
31) Cyclohexane	8.083	56	5104	Below Cal	#	7
36) 1,1-Dichloropropene	8.086	75	16388	5.452	ug/l #	52
37) Ethyl Acetate	7.351	43	1283	0.465	ug/l #	69
38) Carbon Tetrachloride	8.086	117	20860	6.478	ug/l #	16
41) Methacrylonitrile	7.598	41	9004	6.544	ug/l #	45
48) Methyl methacrylate	9.534	41	538	0.261	ug/l #	38
51) 4-Methyl-2-Pentanone	10.336	43	2277	0.800	ug/l #	59
59) 2-Hexanone	11.092	43	1500	0.747	ug/l	86
70) Styrene	12.296	104	81	1.892	ug/l #	22
71) Bromoform	12.725	173	104	3.507	ug/l #	1
74) N-amyl acetate	12.361	43	975	0.278	ug/l #	58
76) 1,2,3-Trichloropropane	12.734	75	85408	33.447	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	85408	96.160	ug/l #	6
95) Naphthalene	15.509	128	6981	4.224	ug/l	97
96) 1,2,3-Trichlorobenzene	15.702	180	576	0.319	ug/l #	61

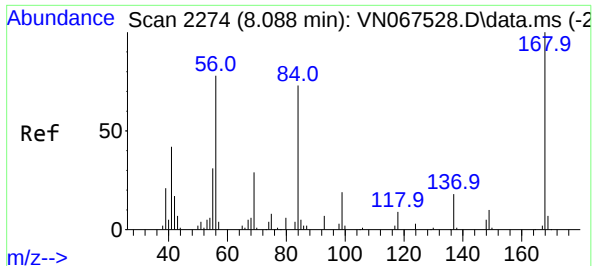
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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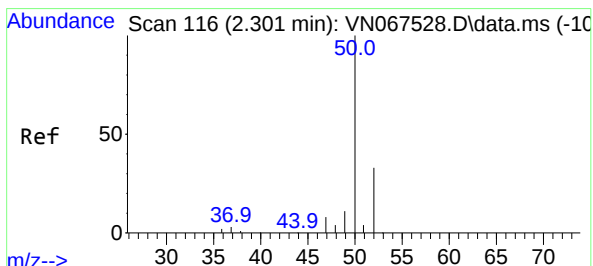
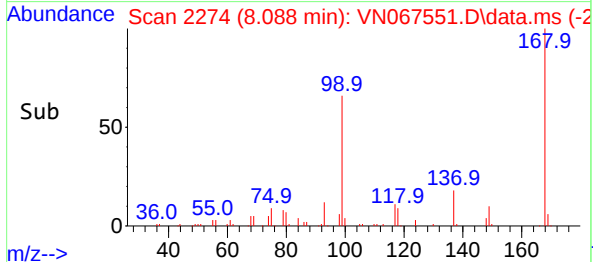
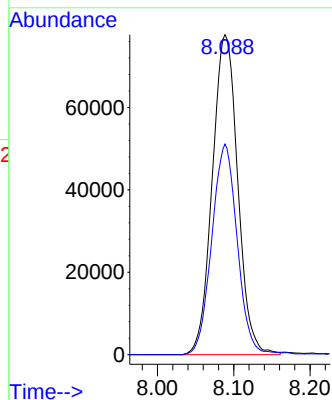
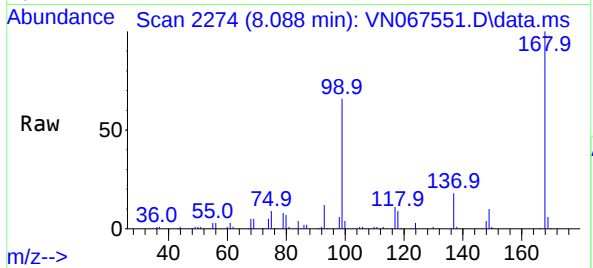




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

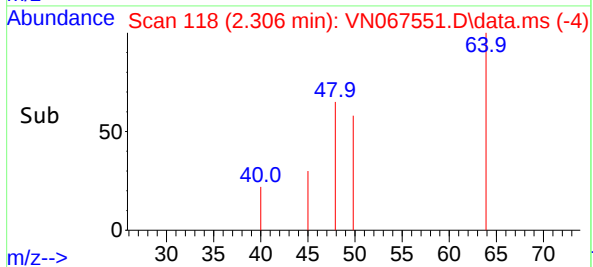
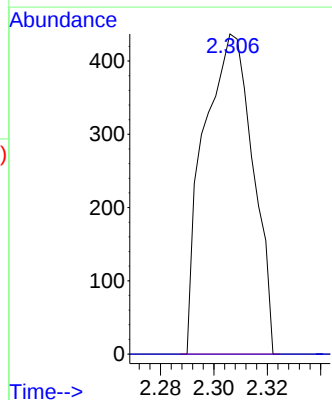
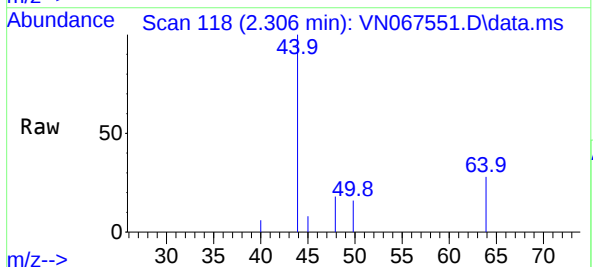
Instrument :
MSVOA_N
ClientSampleId :

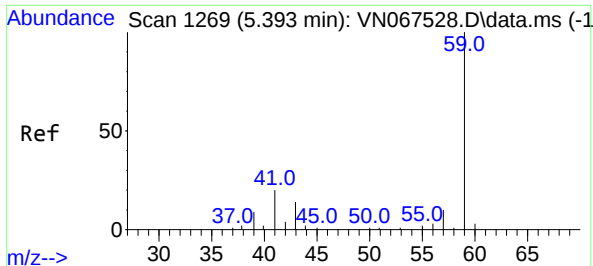
Tgt Ion:168 Resp: 180120
Ion Ratio Lower Upper
168 100
99 65.8 62.9 94.3



#3
Chloromethane
Concen: 0.249 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



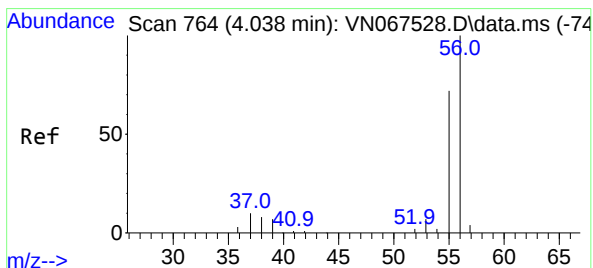
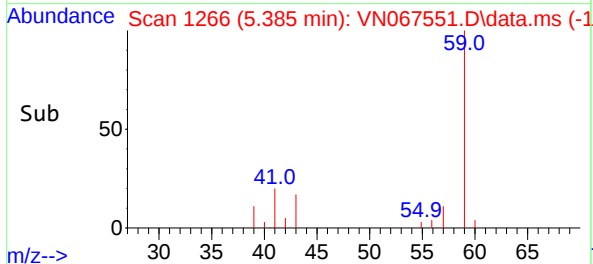
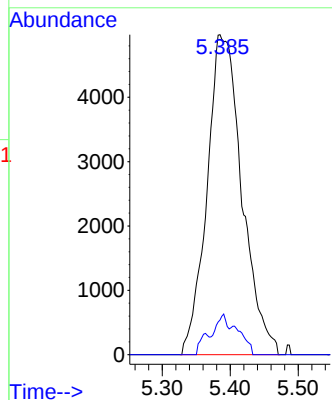
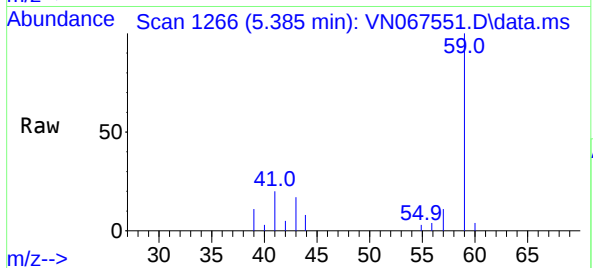


#11

Tert butyl alcohol
Concen: 48.275 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.008 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

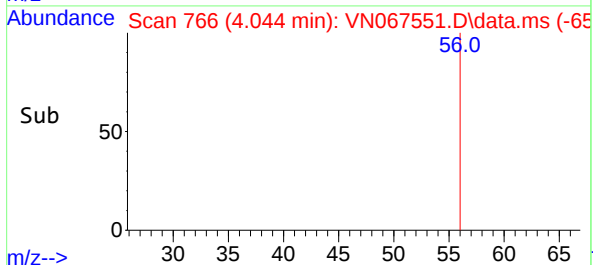
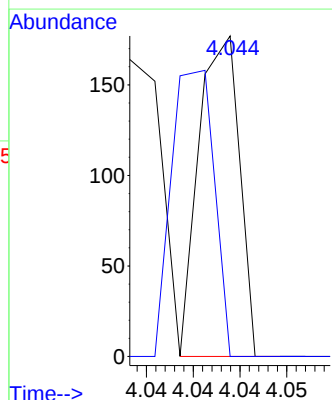
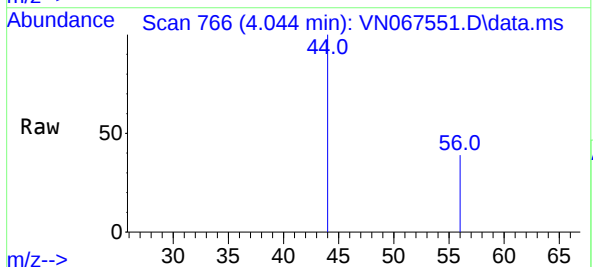
Tgt Ion: 59 Resp: 17764
Ion Ratio Lower Upper
59 100
57 2.2 8.7 13.1#

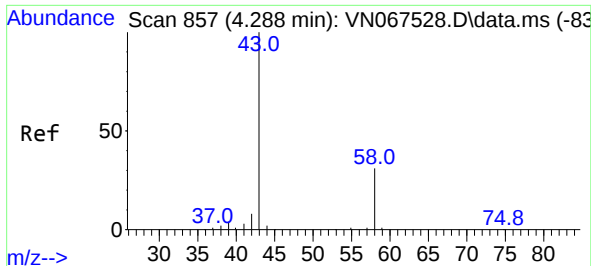


#13

Acrolein
Concen: 2.447 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.006 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 92.6 57.4 86.0#

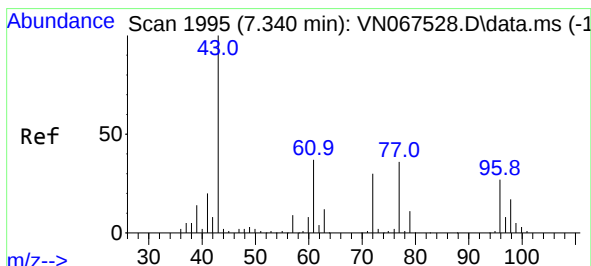
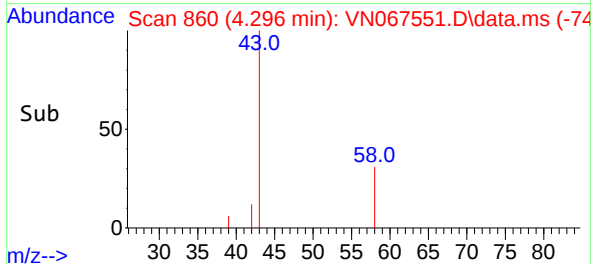
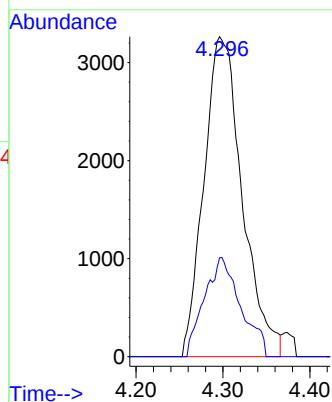
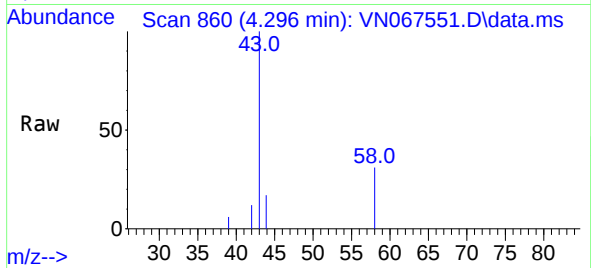




#16
Acetone
Concen: 12.269 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

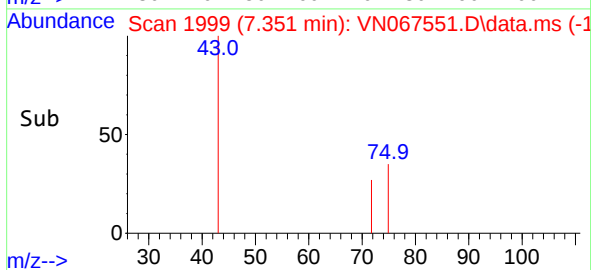
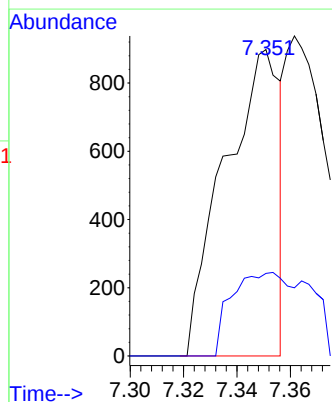
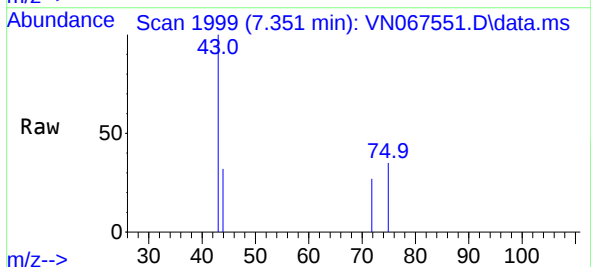
Instrument :
MSVOA_N
ClientSampled :

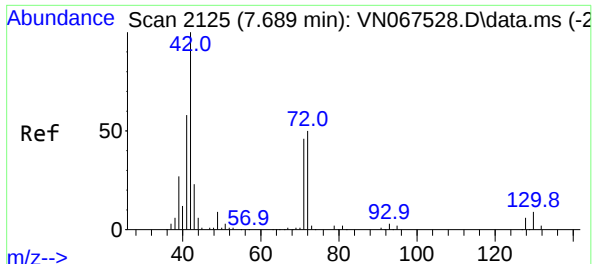
Tgt Ion: 43 Resp: 9976
Ion Ratio Lower Upper
43 100
58 30.9 21.2 31.8



#25
2-Butanone
Concen: 1.023 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. 0.011 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
72 26.9 19.7 29.5





#29

Tetrahydrofuran

Concen: 2.599 ug/l

RT: 7.603 min Scan# 2093

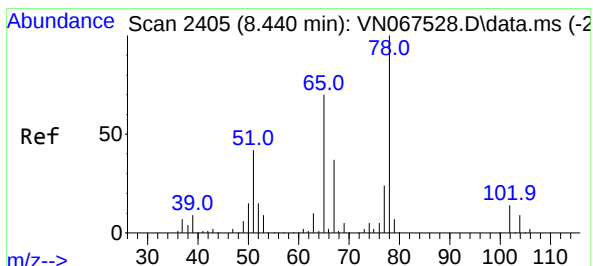
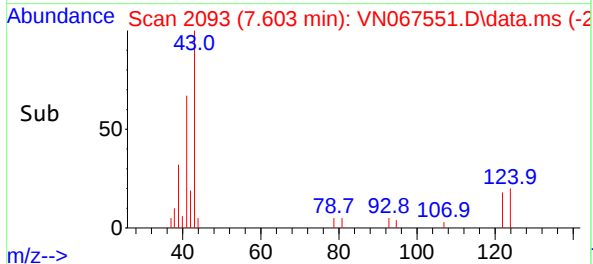
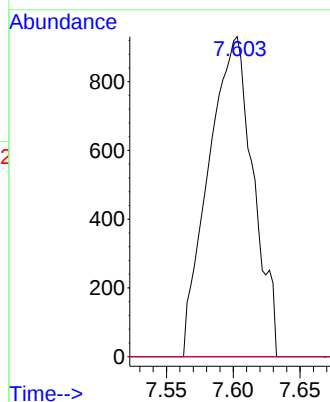
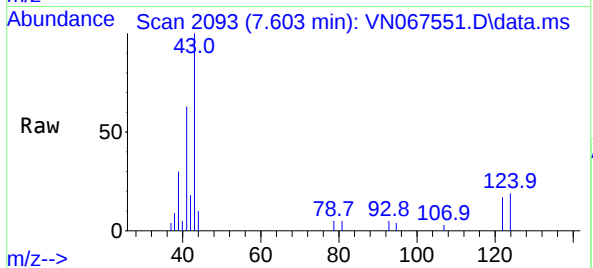
Delta R.T. -0.086 min

Lab File: VN067551.D

Acq: 29 Jun 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion:	42	Resp:	2170
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	0.0	31.2	46.8#



#33

1,2-Dichloroethane-d4

Concen: 54.500 ug/l

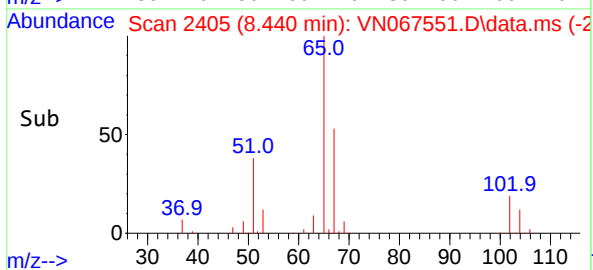
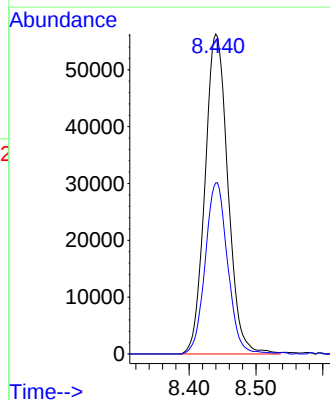
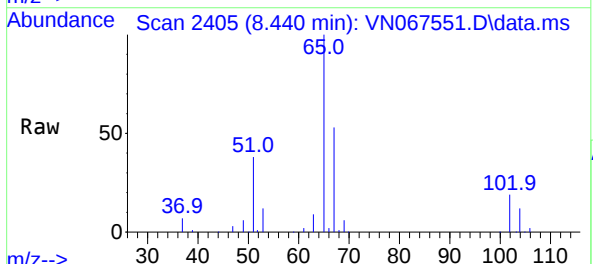
RT: 8.440 min Scan# 2405

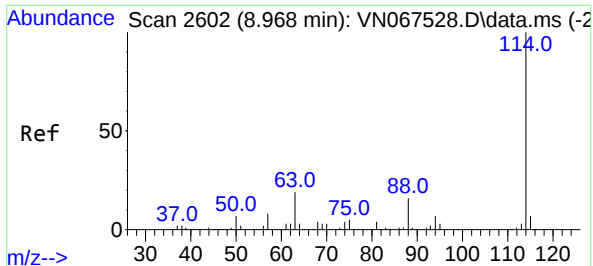
Delta R.T. -0.000 min

Lab File: VN067551.D

Acq: 29 Jun 2021 14:26

Tgt Ion:	65	Resp:	134348
Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	98.6

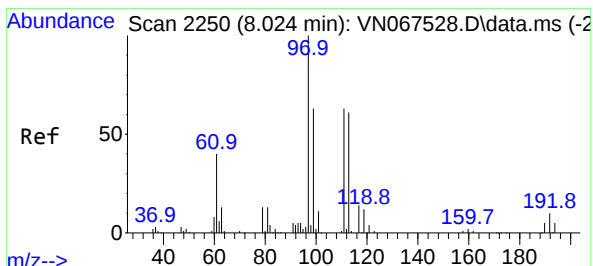
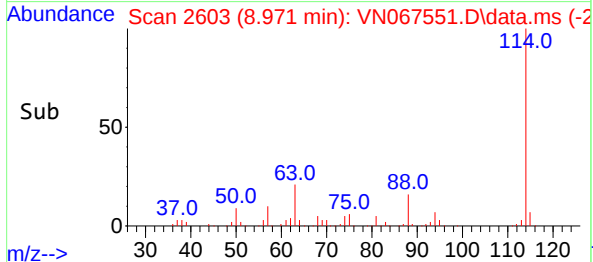
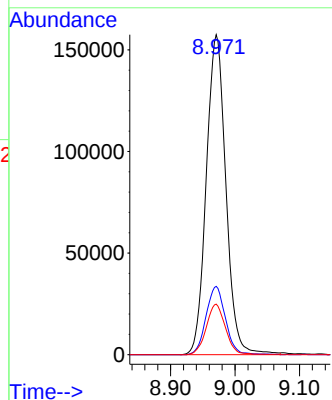
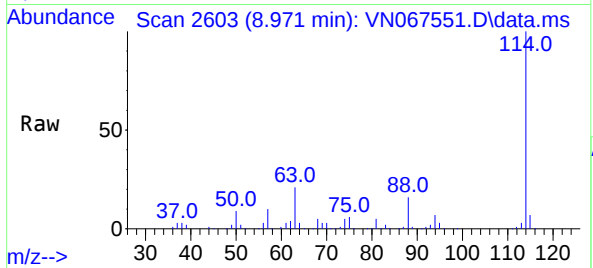




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

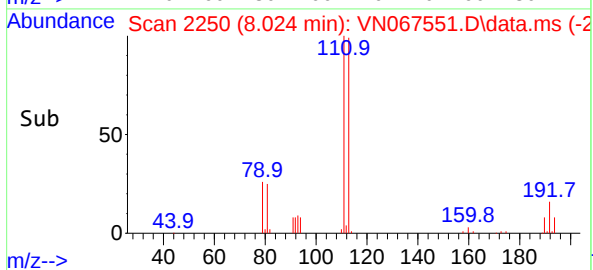
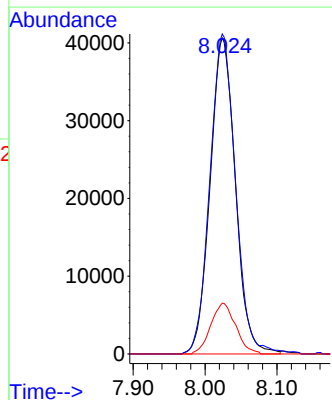
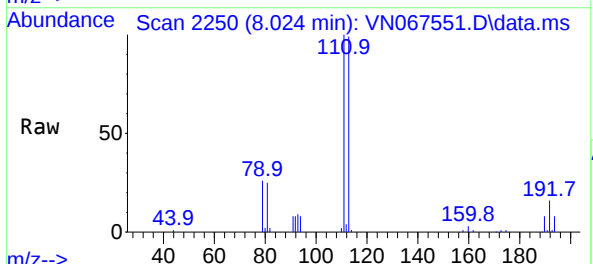
Instrument :
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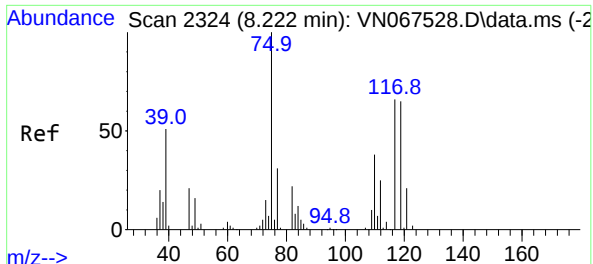
Tgt Ion:114 Resp: 332974
Ion Ratio Lower Upper
114 100
63 21.3 0.0 49.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.819 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

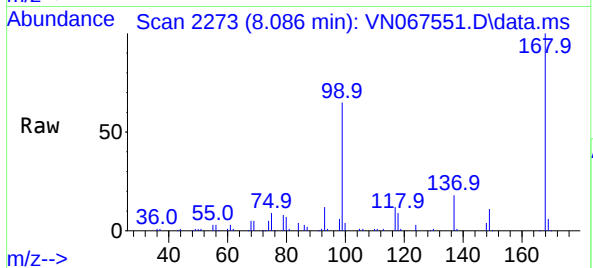
Tgt Ion:113 Resp: 98719
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 15.9 13.4 20.0



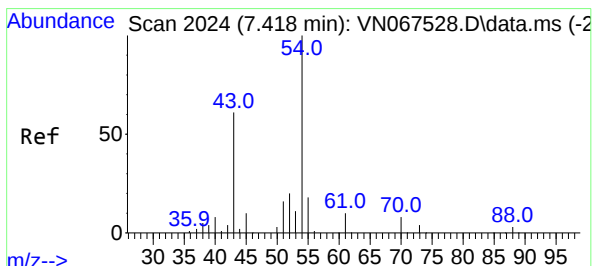
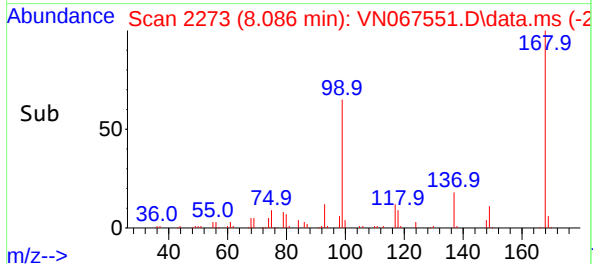
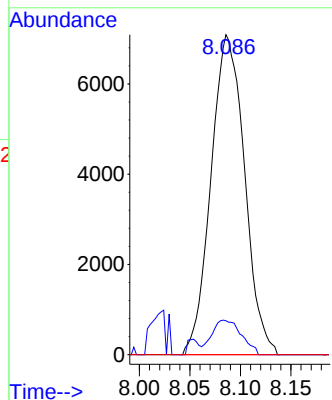


#36
1,1-Dichloropropene
Concen: 5.452 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

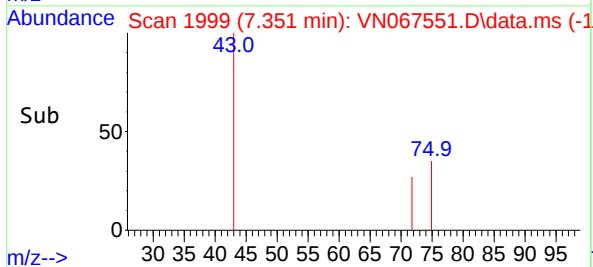
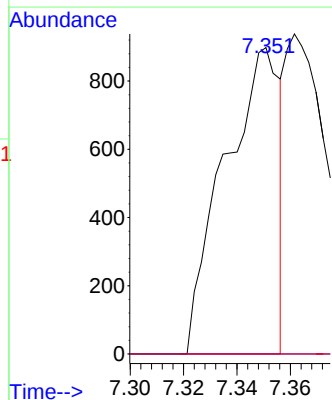
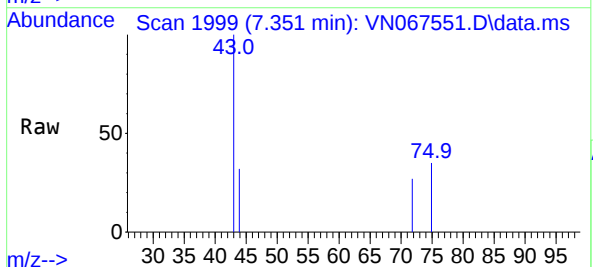


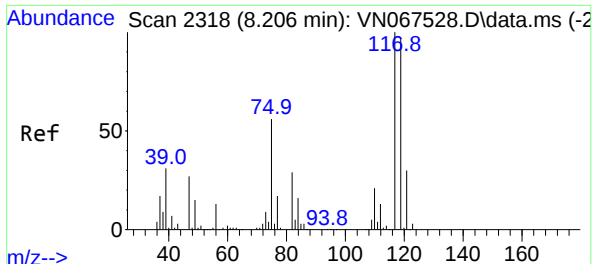
Tgt Ion: 75 Resp: 16388
Ion Ratio Lower Upper
75 100
110 9.5 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.465 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.067 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

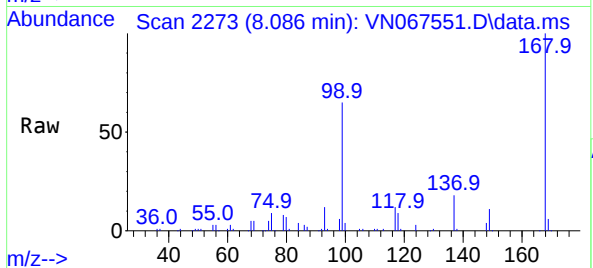
Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



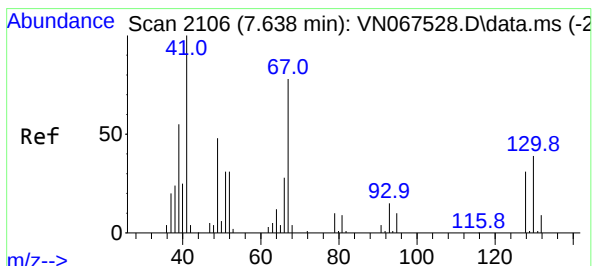
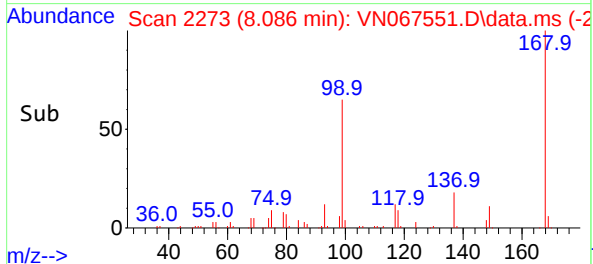
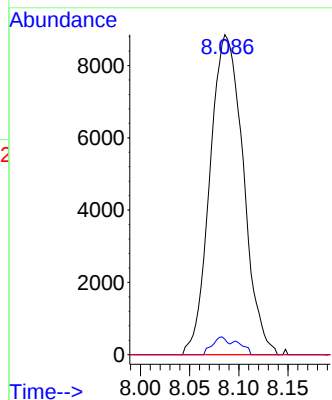


#38
Carbon Tetrachloride
Concen: 6.478 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Instrument :
MSVOA_N
ClientSampled :

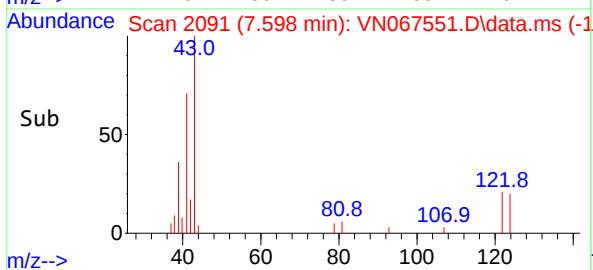
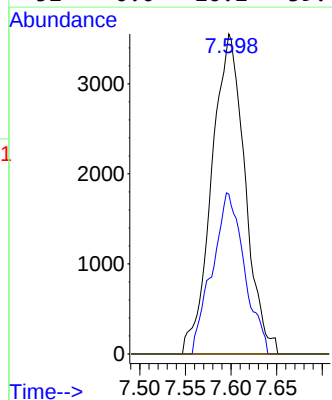
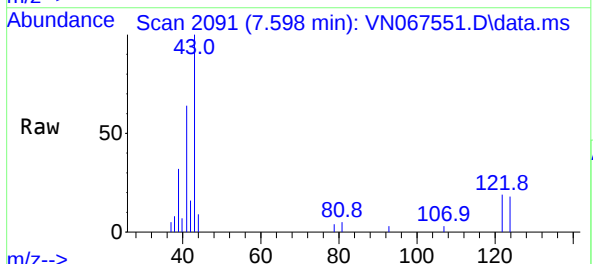


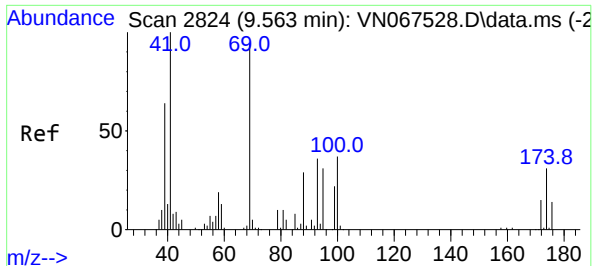
Tgt Ion:117 Resp: 20860
Ion Ratio Lower Upper
117 100
119 4.8 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 6.544 ug/l
RT: 7.598 min Scan# 2091
Delta R.T. -0.040 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 41 Resp: 9004
Ion Ratio Lower Upper
41 100
39 48.5 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

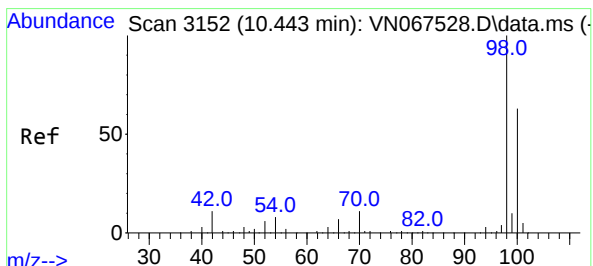
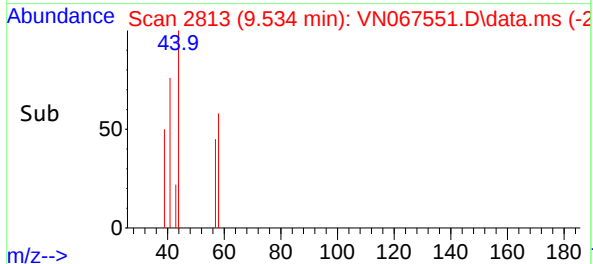
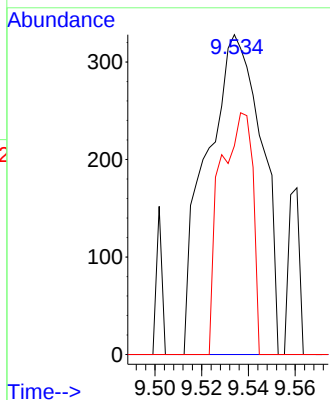
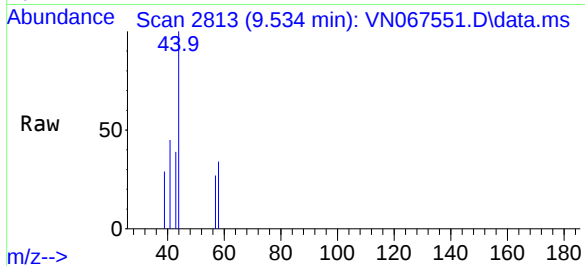




#48
Methyl methacrylate
Concen: 0.261 ug/l
RT: 9.534 min Scan# 2813
Delta R.T. -0.029 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

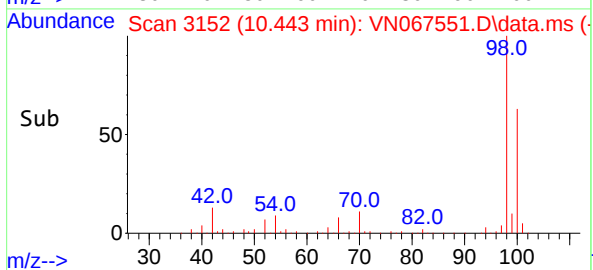
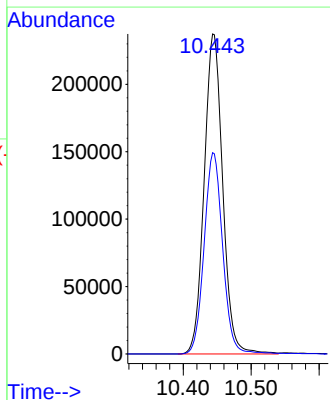
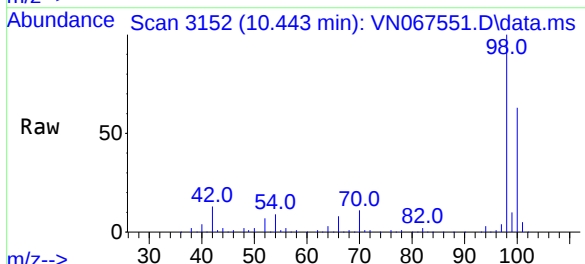
Instrument :
MSVOA_N
ClientSampleId :

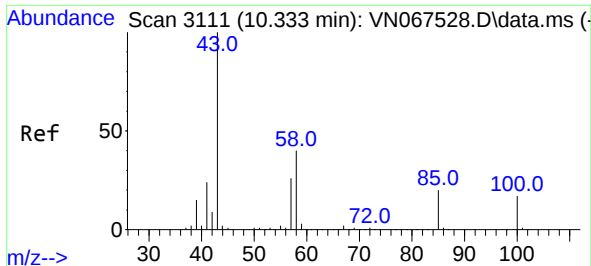
Tgt Ion: 41 Resp: 538
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 44.4 53.3 79.9#



#50
Toluene-d8
Concen: 53.660 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 98 Resp: 450005
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

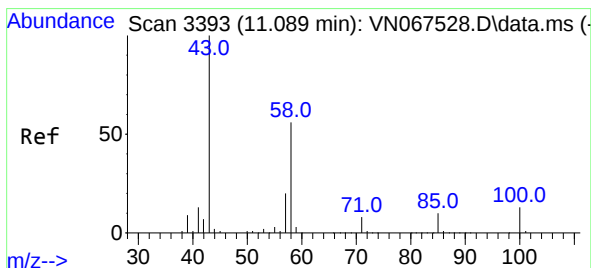
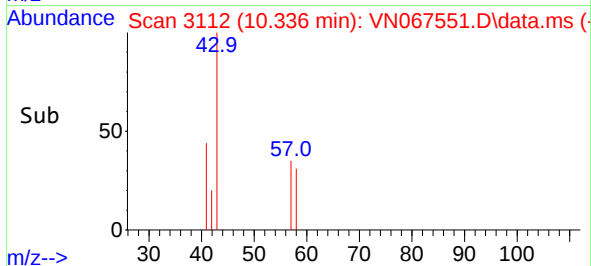
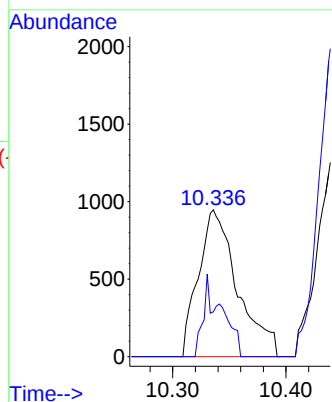
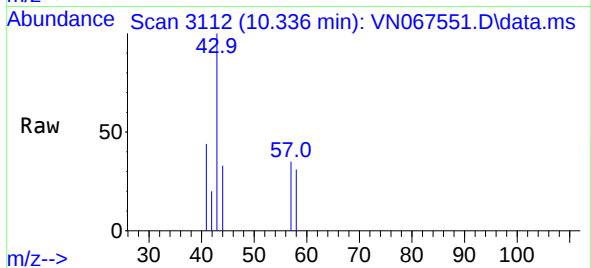




#51
4-Methyl-2-Pentanone
Concen: 0.800 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

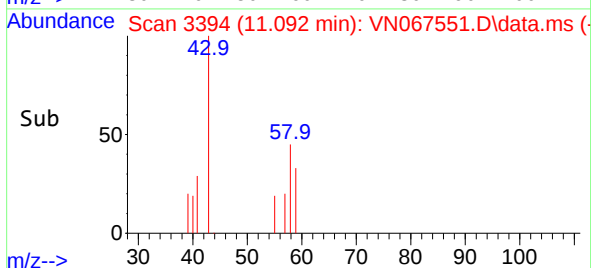
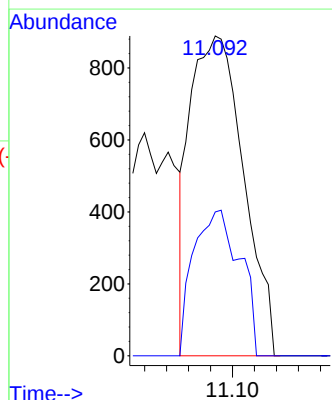
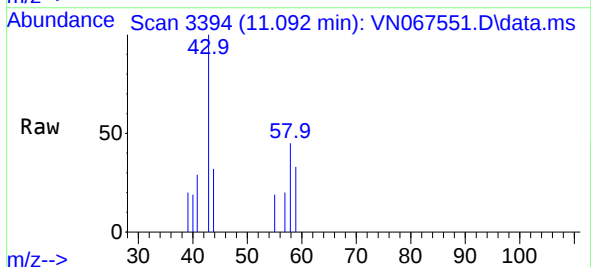
Instrument :
MSVOA_N
ClientSampled :

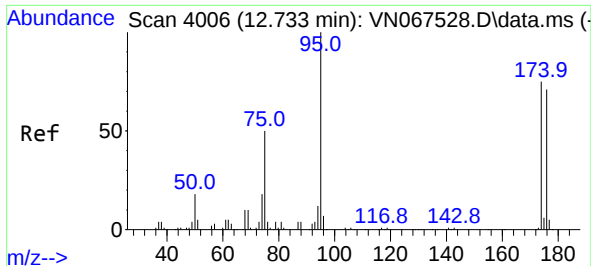
Tgt Ion: 43 Resp: 2277
Ion Ratio Lower Upper
43 100
58 11.9 28.6 43.0#



#59
2-Hexanone
Concen: 0.747 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.003 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
58 39.5 24.7 74.1

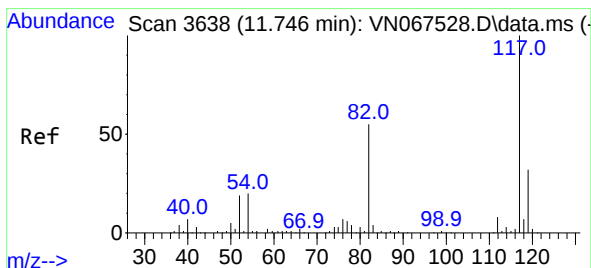
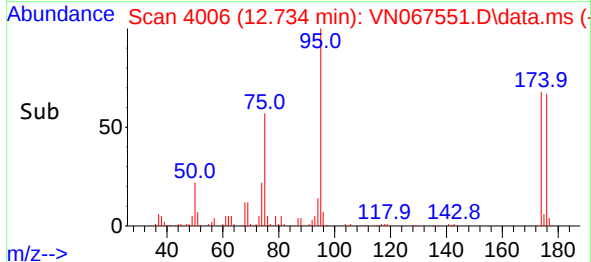
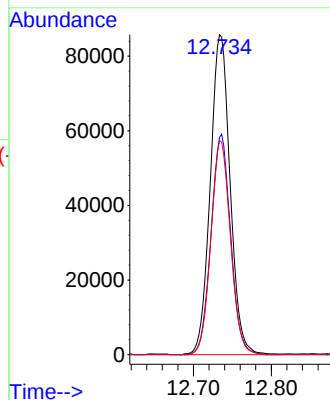
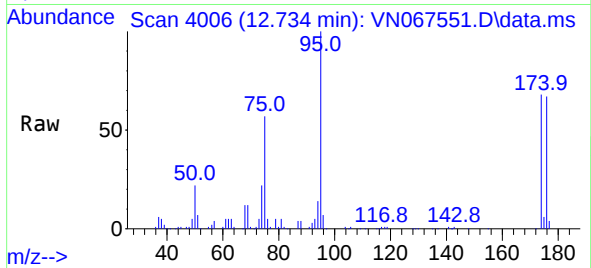




#62
4-Bromofluorobenzene
Concen: 51.826 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

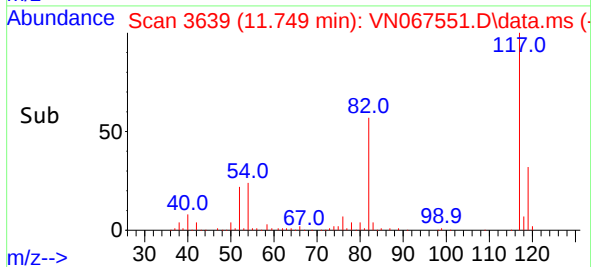
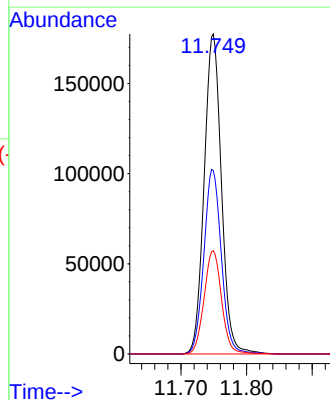
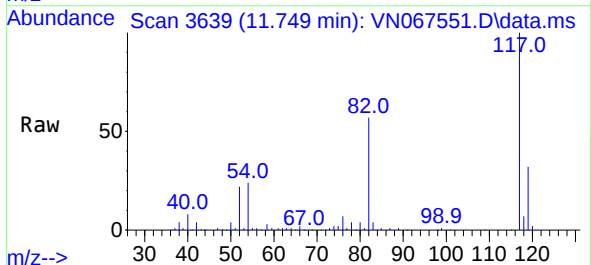
Instrument :
MSVOA_N
ClientSampleId :

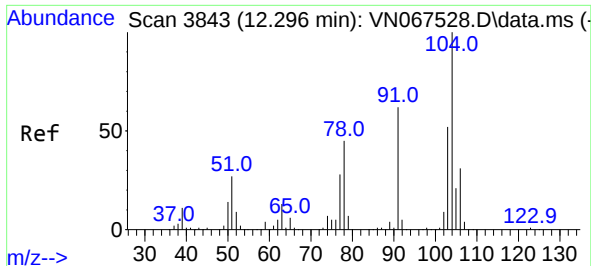
Tgt Ion: 95 Resp: 151815
Ion Ratio Lower Upper
95 100
174 67.9 0.0 122.0
176 65.6 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 117 Resp: 324753
Ion Ratio Lower Upper
117 100
82 57.3 53.1 79.7
119 32.2 25.5 38.3

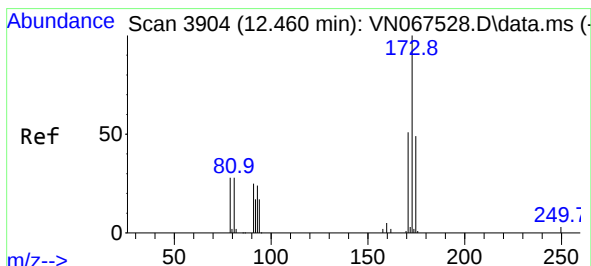
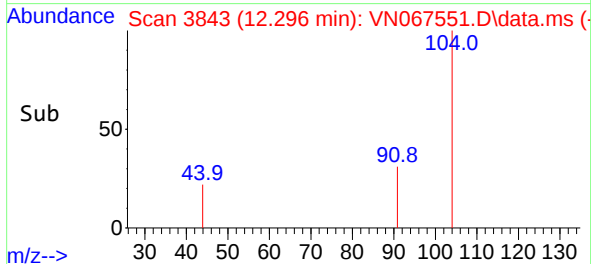
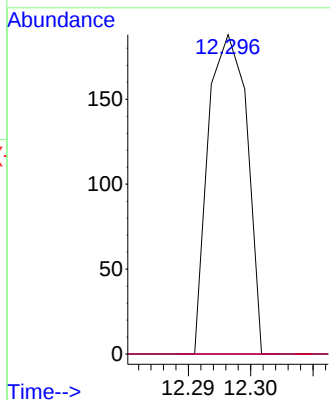
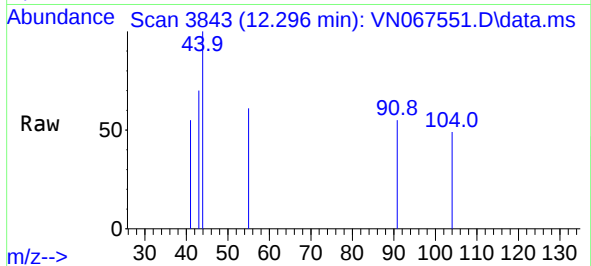




#70
Styrene
Concen: 1.892 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

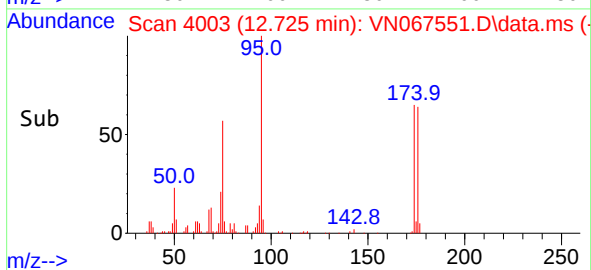
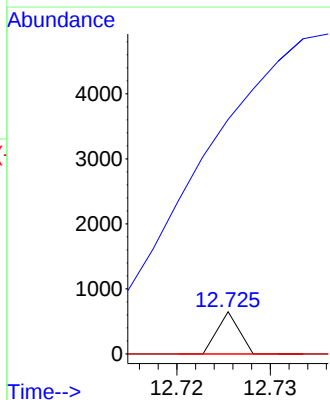
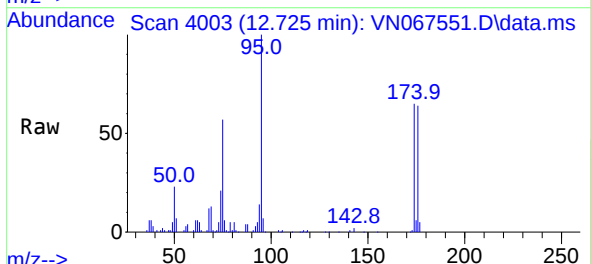
Instrument :
MSVOA_N
ClientSampled :

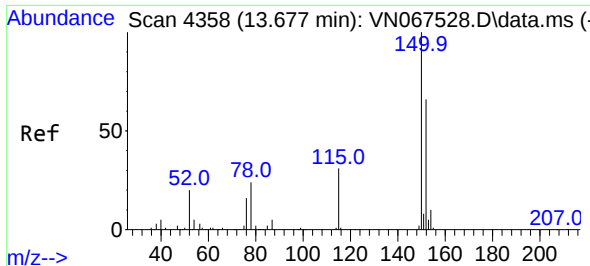
Tgt Ion:104	Resp:	81
Ion Ratio	Lower	Upper
104	100	
78	0.0	48.2 72.2#
103	0.0	44.5 66.7#



#71
Bromoform
Concen: 3.507 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion:173	Resp:	104
Ion Ratio	Lower	Upper
173	100	
175	7592.3	23.9 71.8#
254	0.0	0.0 0.0

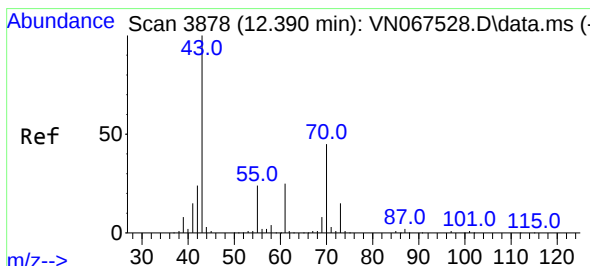
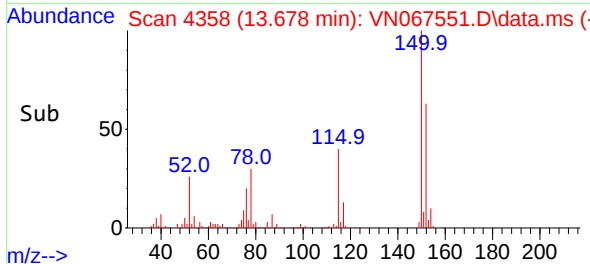
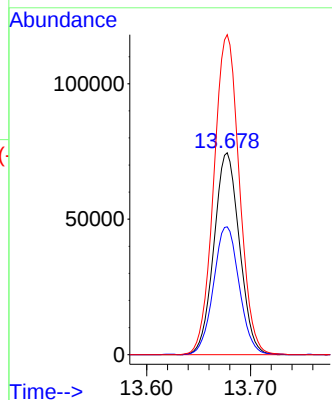
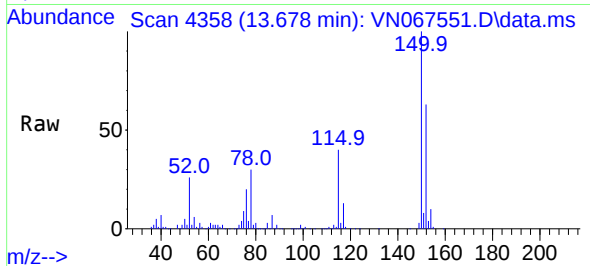




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.001 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

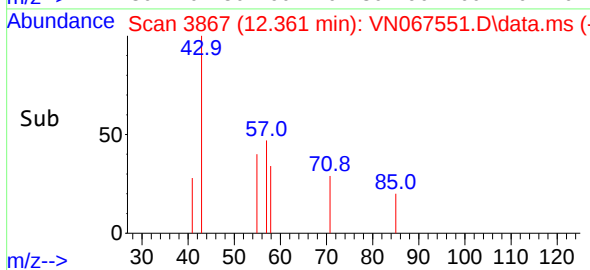
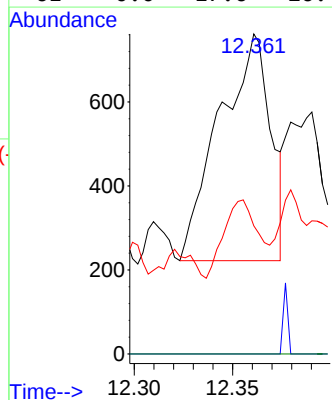
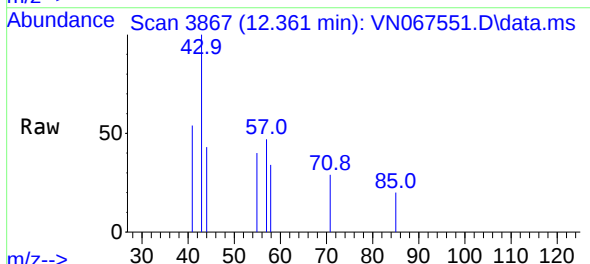
Instrument :
MSVOA_N
ClientSampled :

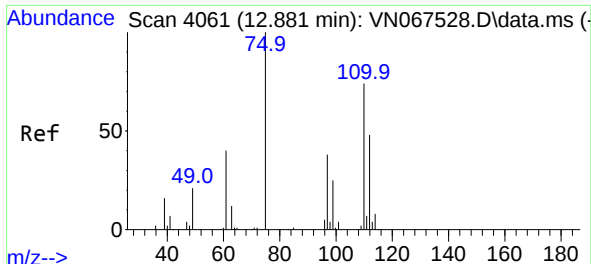
Tgt Ion:152 Resp: 127398
Ion Ratio Lower Upper
152 100
115 64.1 36.1 108.5
150 158.9 0.0 351.8



#74
N-ethyl acetate
Concen: 0.278 ug/l
RT: 12.361 min Scan# 3867
Delta R.T. -0.029 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion: 43 Resp: 975
Ion Ratio Lower Upper
43 100
70 0.0 29.4 44.2#
55 23.4 17.0 25.4
61 0.0 17.6 26.4#

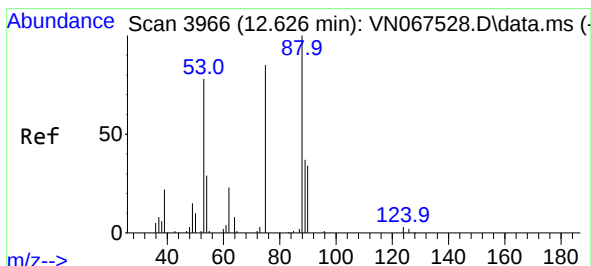
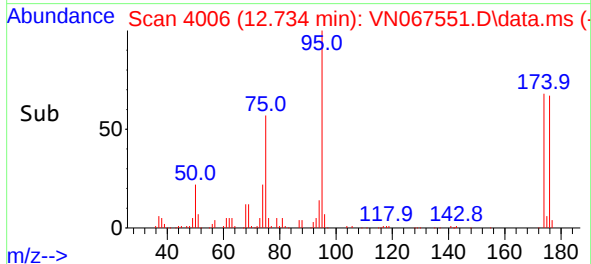
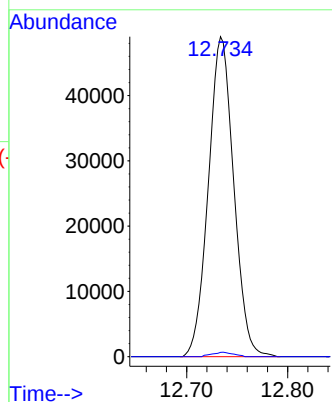
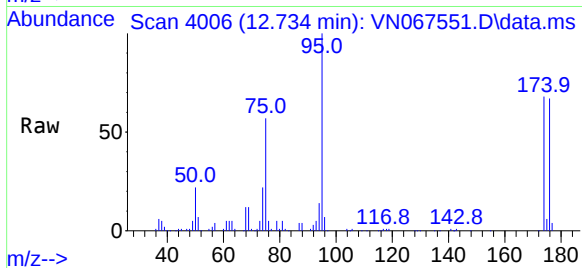




#76
1,2,3-Trichloropropane
Concen: 33.447 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

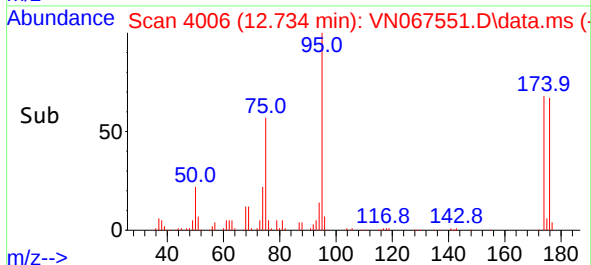
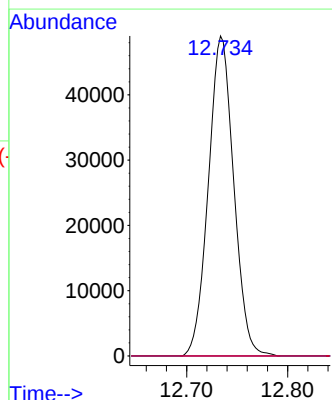
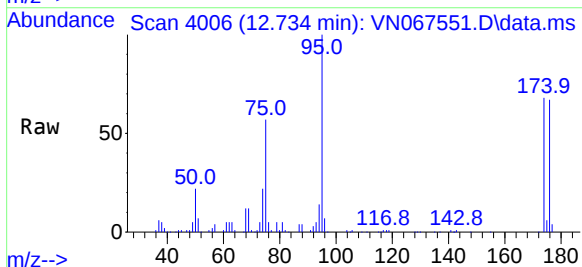
Instrument :
MSVOA_N
ClientSampleId :

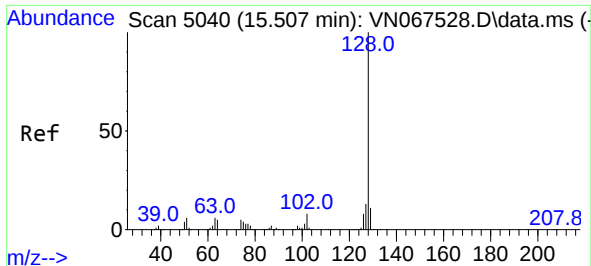
Tgt Ion: 75 Resp: 85408
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.160 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.108 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

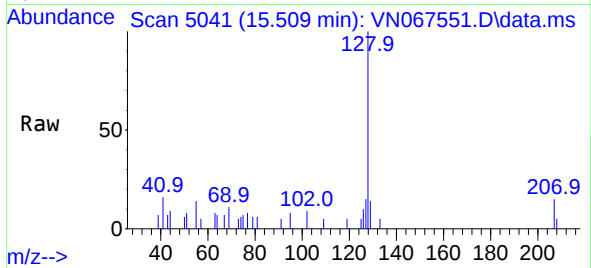
Tgt Ion: 75 Resp: 85408
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



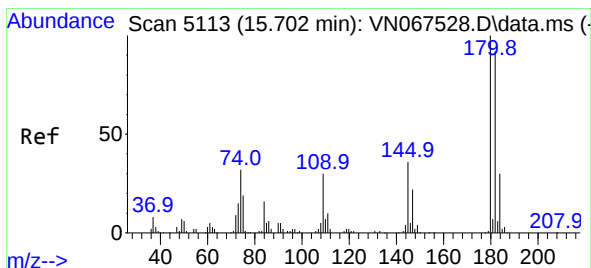
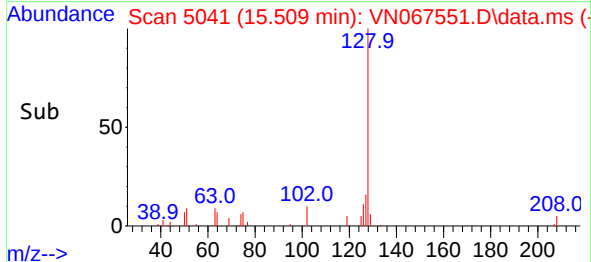
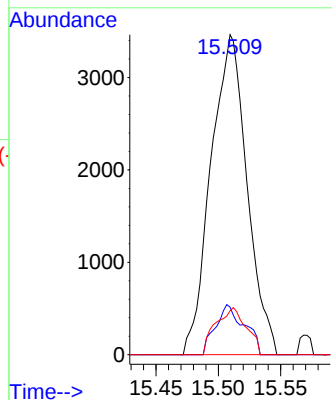


#95
Naphthalene
Concen: 4.224 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128	Resp:	6981
Ion	Ratio	Lower Upper
128	100	
127	12.4	10.6 15.8
129	12.5	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.319 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN067551.D
Acq: 29 Jun 2021 14:26

Tgt Ion:180	Resp:	576
Ion	Ratio	Lower Upper
180	100	
182	65.5	47.8 143.3
145	0.0	18.2 54.6#

