

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068197.D
 Acq On : 18 Aug 2021 16:50
 Operator : JC/MD
 Sample : M3463-41
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2021-08-17-EB

Quant Time: Aug 19 03:07:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

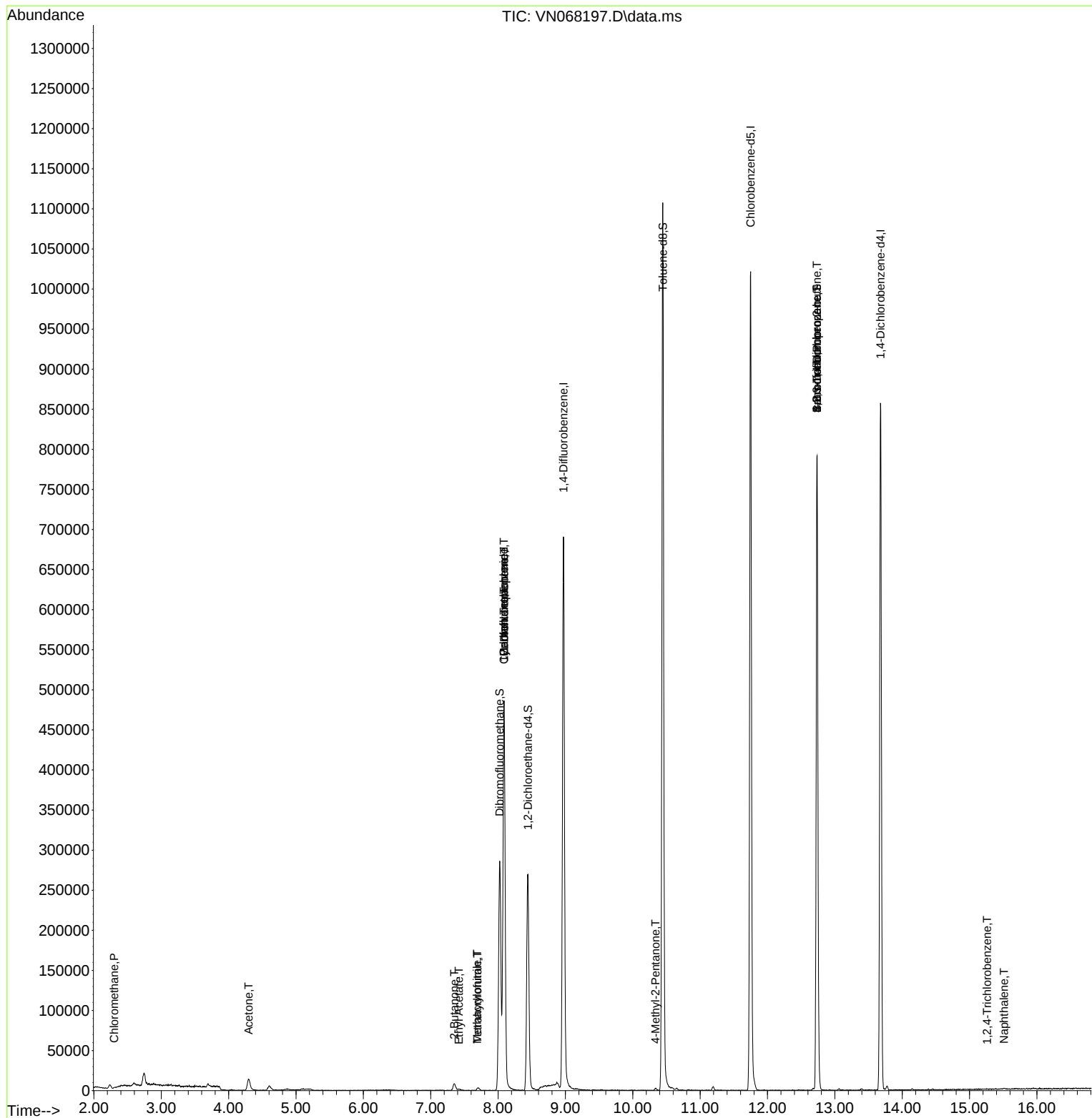
Internal Standards						
1) Pentafluorobenzene	8.088	168	400710	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	669007	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	672016	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	259679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	228751	53.465	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 106.940%		
35) Dibromofluoromethane	8.024	113	211026	50.242	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 100.480%		
50) Toluene-d8	10.446	98	811610	50.712	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 101.420%		
62) 4-Bromofluorobenzene	12.734	95	271494	50.959	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 101.920%		
Target Compounds						Qvalue
3) Chloromethane	2.301	50	854	0.238	ug/l	99
5) Bromomethane	2.840	94	52	Below Cal	#	4
6) Chloroethane	3.103	64	76	Below Cal	#	44
13) Acrolein	4.041	56	159	Below Cal	#	55
16) Acetone	4.296	43	27635	22.122	ug/l	# 90
18) Methyl Acetate	4.867	43	2147	Below Cal	#	75
20) Methylene Chloride	5.093	84	48	Below Cal	#	1
25) 2-Butanone	7.351	43	12550	6.447	ug/l	91
29) Tetrahydrofuran	7.694	42	1270	1.020	ug/l	# 73
31) Cyclohexane	8.086	56	6998	1.242	ug/l	# 1
36) 1,1-Dichloropropene	8.091	75	26171	4.785	ug/l	# 52
37) Ethyl Acetate	7.418	43	1866	0.401	ug/l	# 82
38) Carbon Tetrachloride	8.088	117	38601	6.120	ug/l	# 17
41) Methacrylonitrile	7.691	41	490	0.230	ug/l	# 45
51) 4-Methyl-2-Pentanone	10.339	43	2157	0.471	ug/l	# 59
71) Bromoform	12.734	173	1783	0.428	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	138190	32.017	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	138190	104.893	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.260	180	181	2.725	ug/l	# 34
95) Naphthalene	15.512	128	1045	3.440	ug/l	# 72

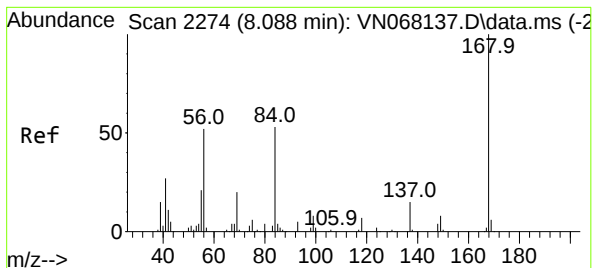
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068197.D

Acq: 18 Aug 2021 16:50

Tgt Ion:168 Resp: 400710

Ion Ratio Lower Upper

168 100

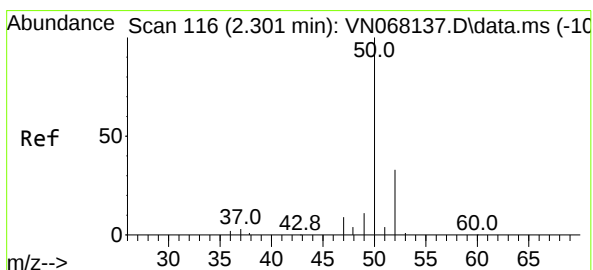
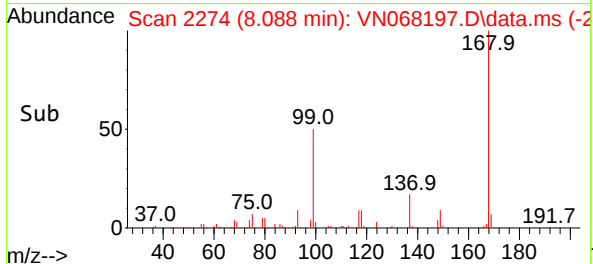
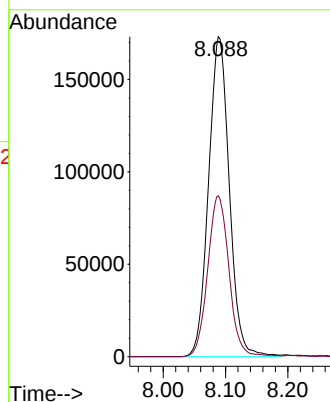
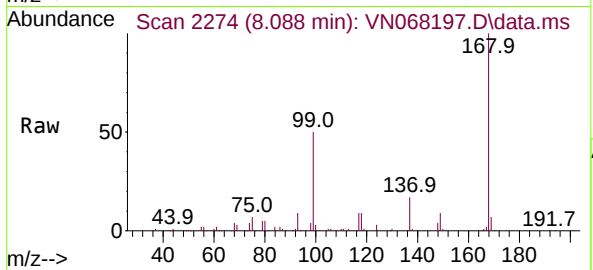
99 50.3 62.9 94.3#

Instrument :

MSVOA_N

ClientSampleId :

2021-08-17-EB



#3

Chloromethane

Concen: 0.238 ug/l

RT: 2.301 min Scan# 116

Delta R.T. -0.000 min

Lab File: VN068197.D

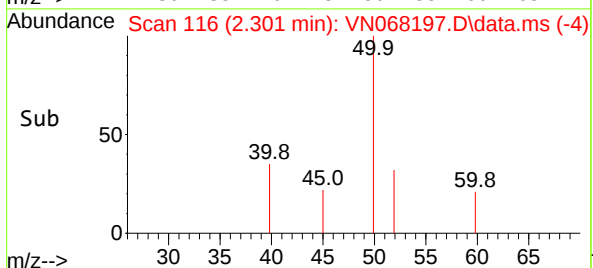
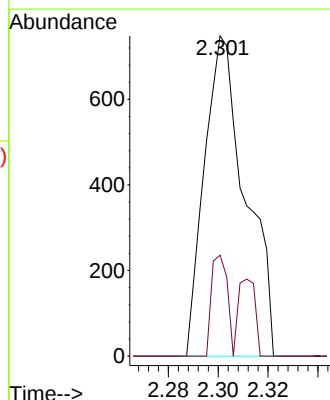
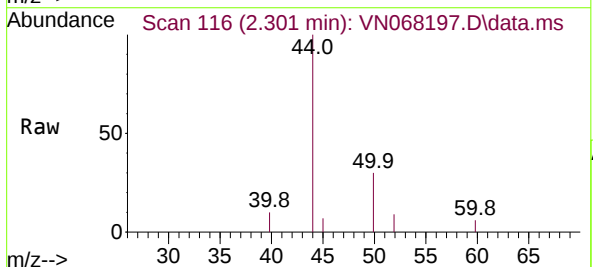
Acq: 18 Aug 2021 16:50

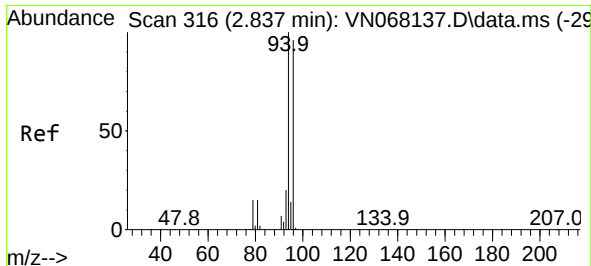
Tgt Ion: 50 Resp: 854

Ion Ratio Lower Upper

50 100

52 31.6 25.6 38.4

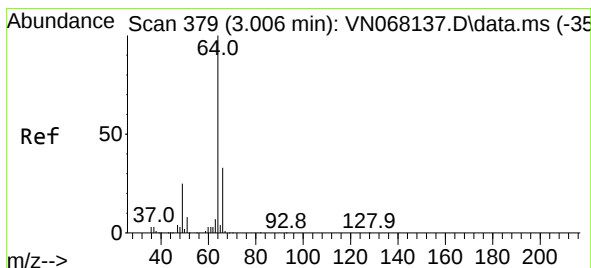
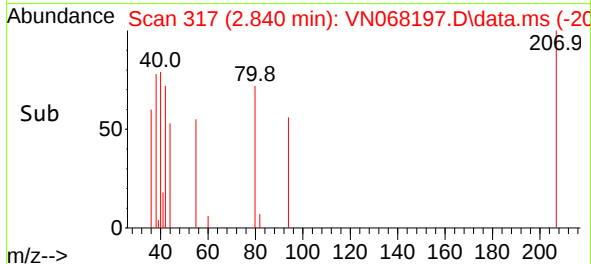
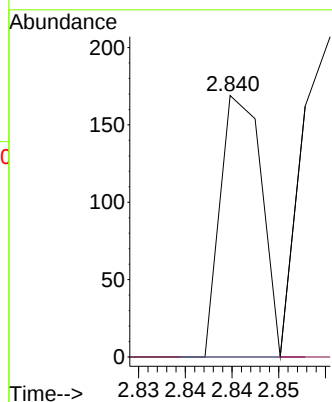
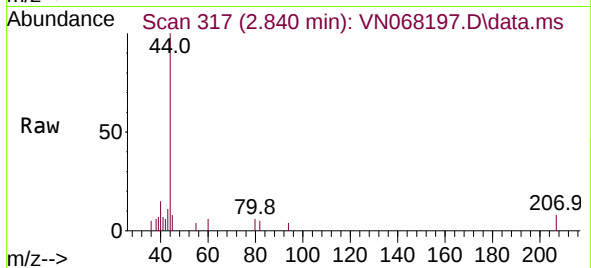




#5
Bromomethane
Concen: Below Cal
RT: 2.840 min Scan# 317
Delta R.T. 0.003 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

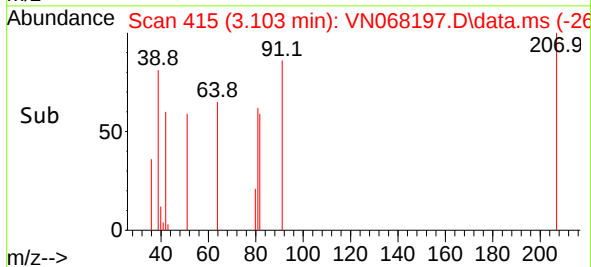
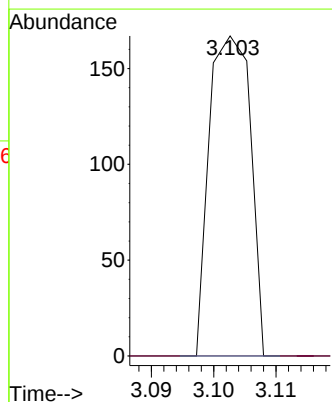
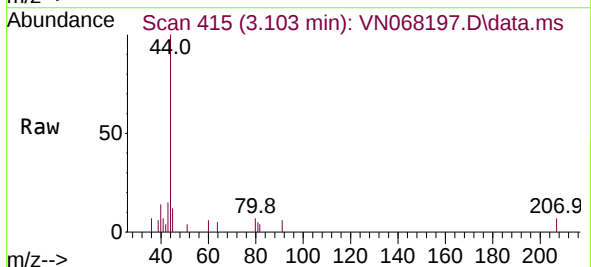
Instrument :
MSVOA_N
ClientSampled :
2021-08-17-EB

Tgt Ion: 94 Resp: 52
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.103 min Scan# 415
Delta R.T. 0.097 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 64 Resp: 76
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

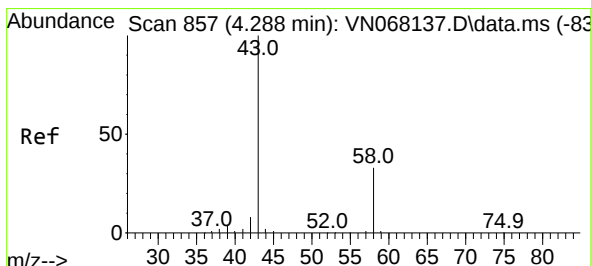
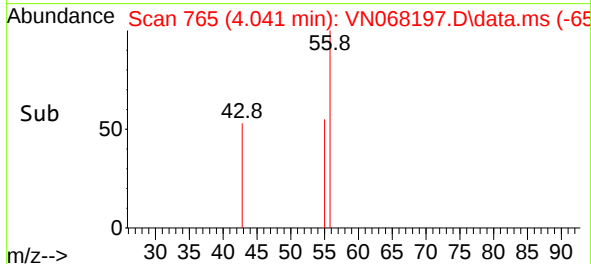
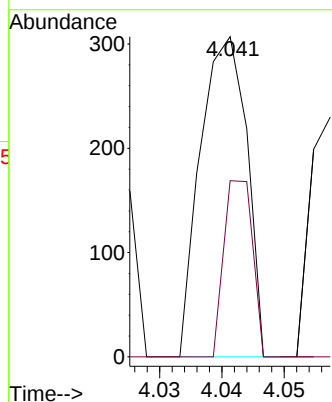
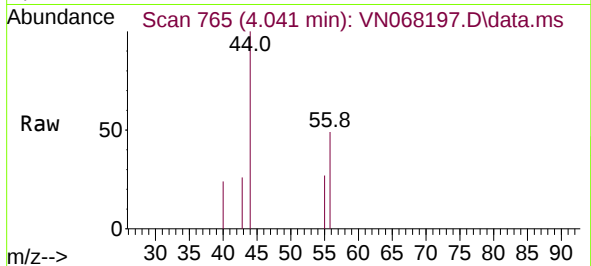




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

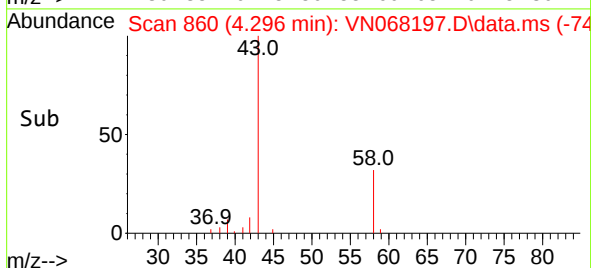
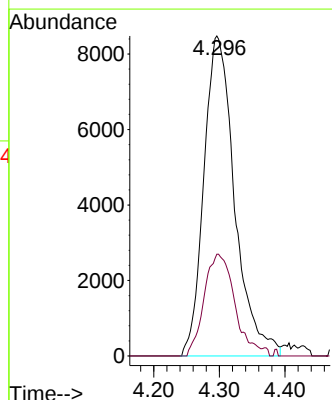
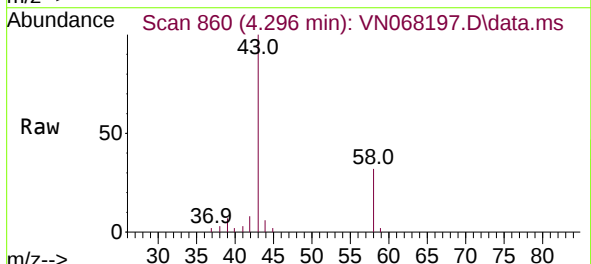
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-EB

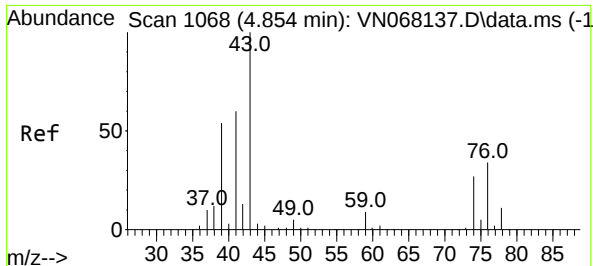
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 34.0 57.4 86.0#



#16
Acetone
Concen: 22.122 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 43 Resp: 27635
Ion Ratio Lower Upper
43 100
58 31.8 21.2 31.8#

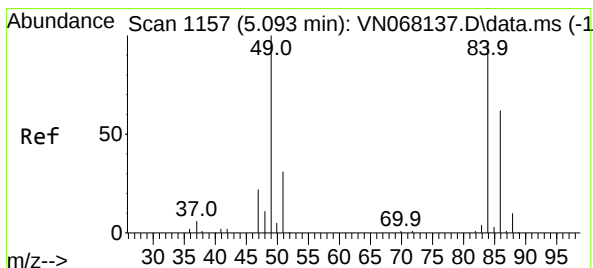
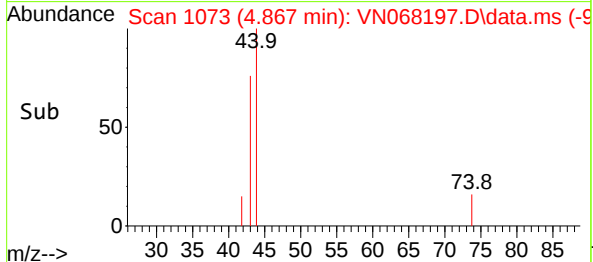
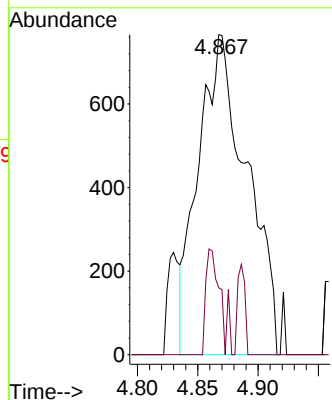
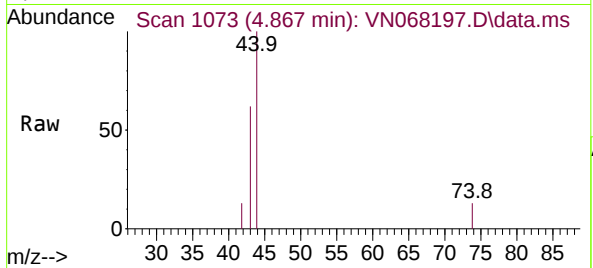




#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.013 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

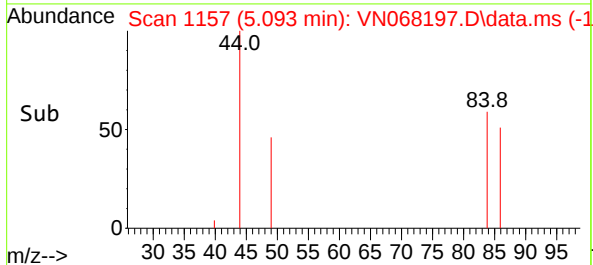
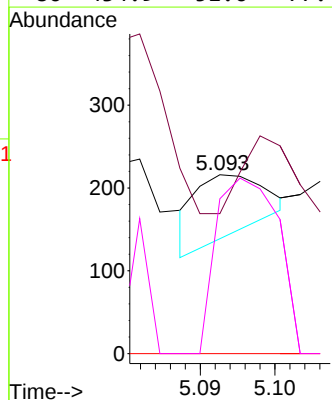
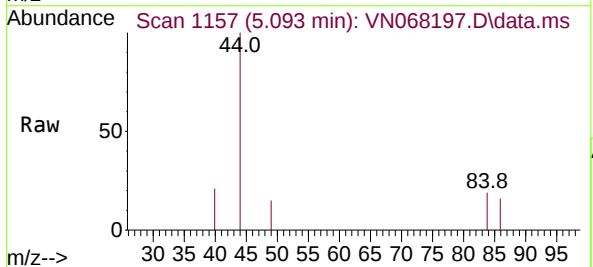
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-EB

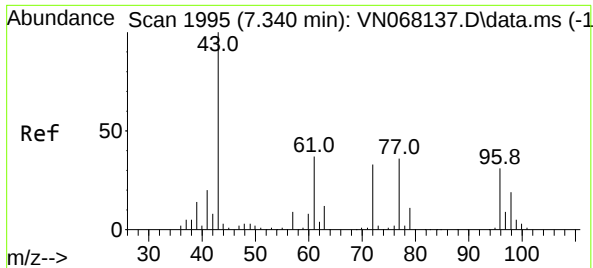
Tgt Ion: 43 Resp: 2147
Ion Ratio Lower Upper
43 100
74 10.0 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.093 min Scan# 1157
Delta R.T. -0.000 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 84 Resp: 48
Ion Ratio Lower Upper
84 100
49 0.0 110.9 166.3#
51 0.0 32.6 49.0#
86 434.9 51.6 77.4#





#25

2-Butanone

Concen: 6.447 ug/l

RT: 7.351 min Scan# 1999

Delta R.T. 0.011 min

Lab File: VN068197.D

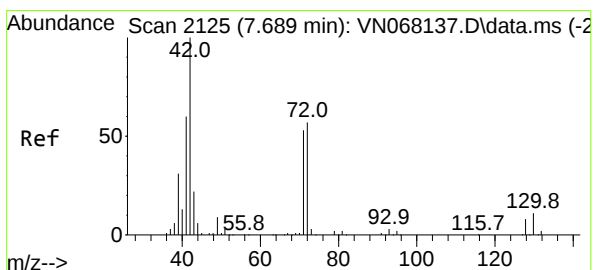
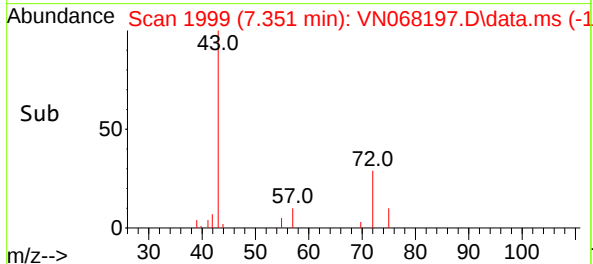
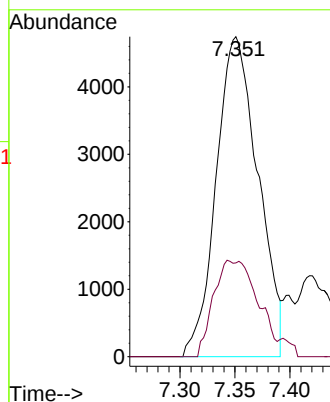
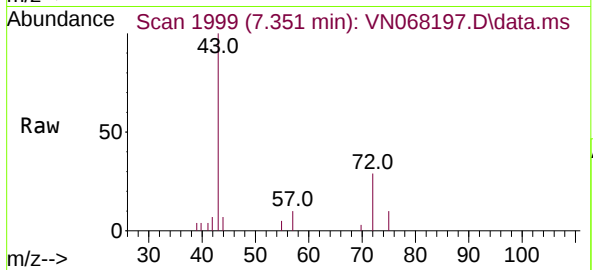
Acq: 18 Aug 2021 16:50

Tgt Ion: 43 Resp: 12550

Ion Ratio Lower Upper

43 100

72 29.3 19.7 29.5



#29

Tetrahydrofuran

Concen: 1.020 ug/l

RT: 7.694 min Scan# 2127

Delta R.T. 0.005 min

Lab File: VN068197.D

Acq: 18 Aug 2021 16:50

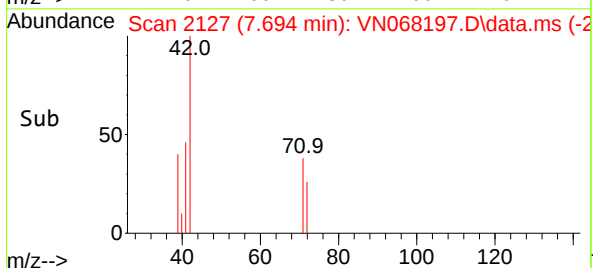
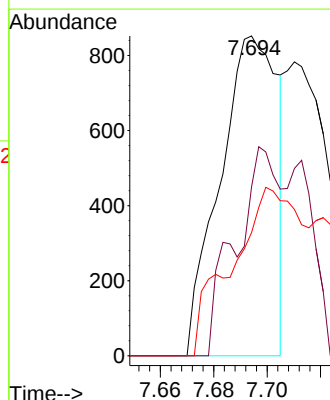
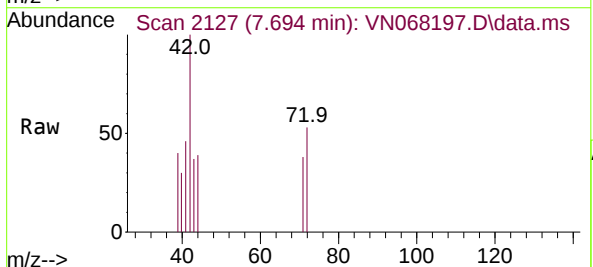
Tgt Ion: 42 Resp: 1270

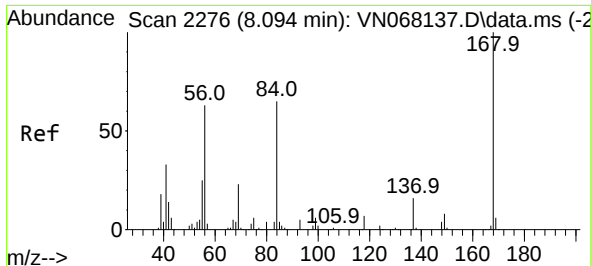
Ion Ratio Lower Upper

42 100

72 48.9 32.8 49.2

71 64.2 31.2 46.8#

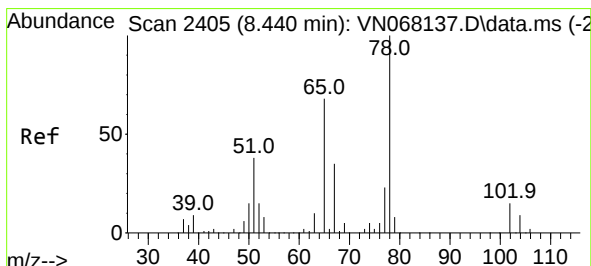
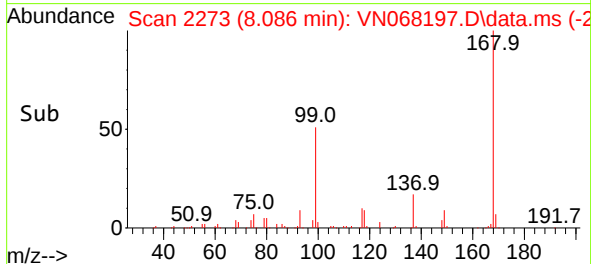
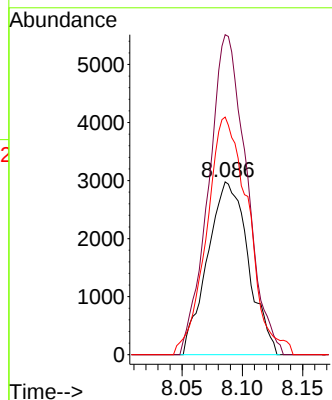
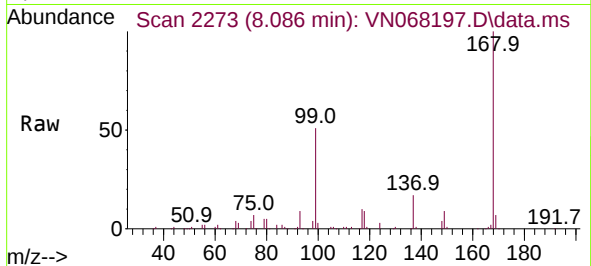




#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

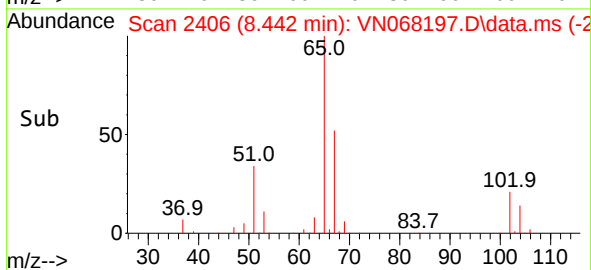
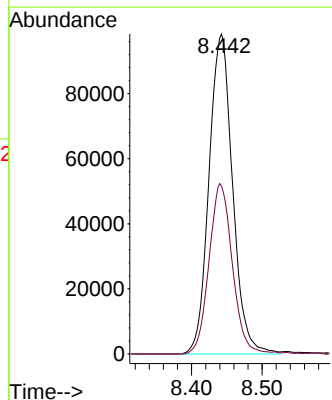
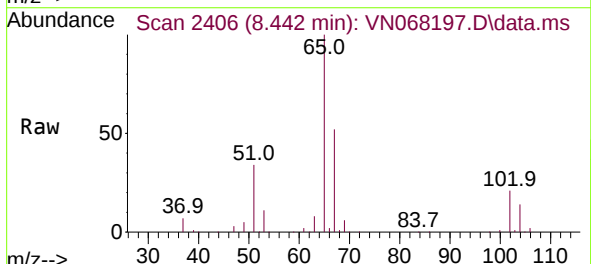
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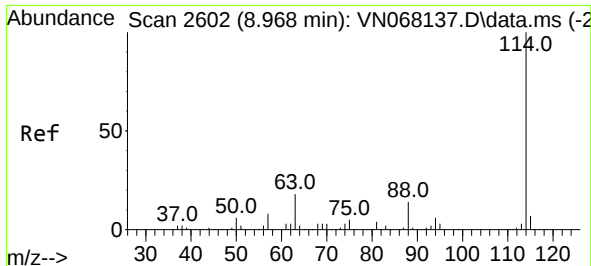
Tgt Ion:	56	Resp:	6998
Ion	Ratio	Lower	Upper
56	100		
69	185.2	27.3	40.9#
84	130.5	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 53.465 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion:	65	Resp:	228751
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	98.6

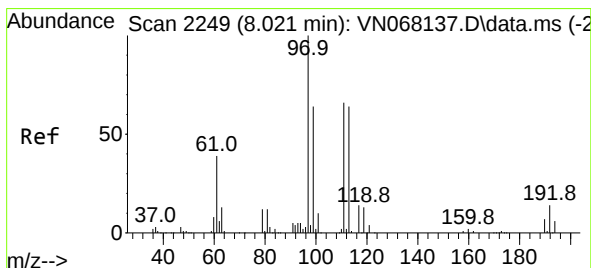
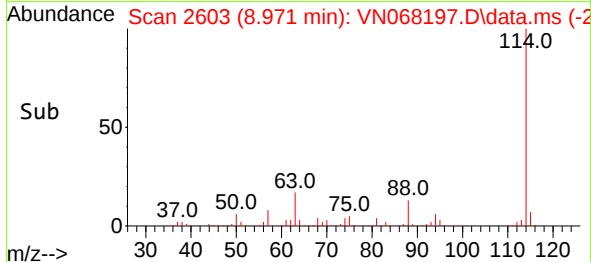
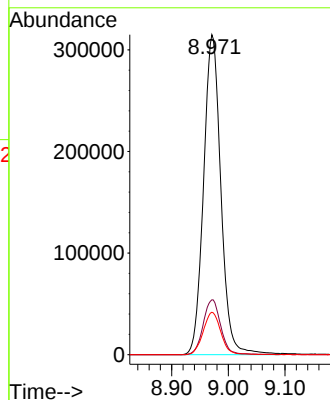
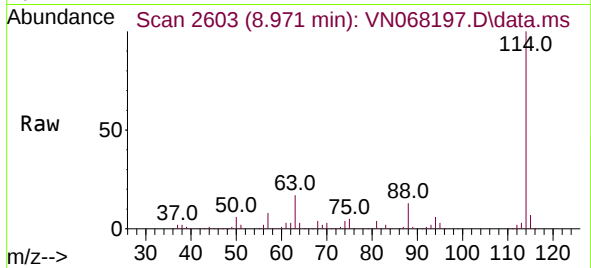




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

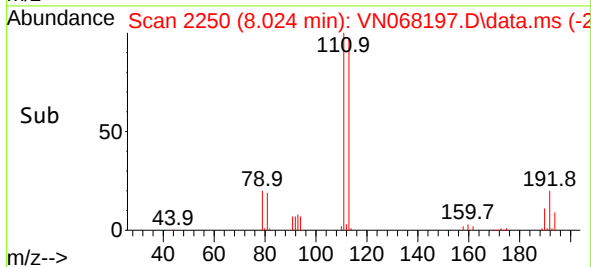
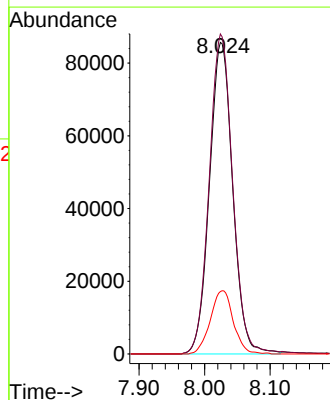
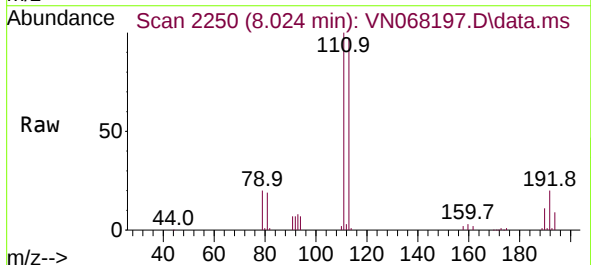
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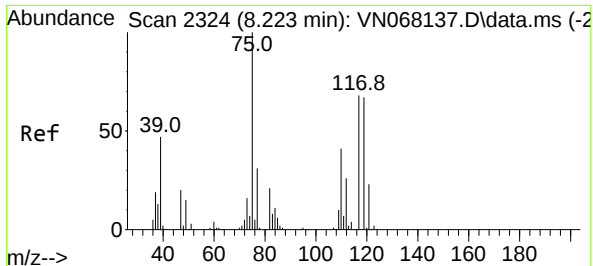
Tgt Ion:114 Resp: 669007
Ion Ratio Lower Upper
114 100
63 17.1 0.0 49.0
88 13.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.242 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion:113 Resp: 211026
Ion Ratio Lower Upper
113 100
111 103.4 83.8 125.8
192 20.1 13.4 20.0#

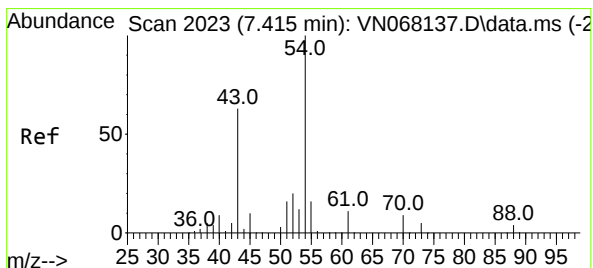
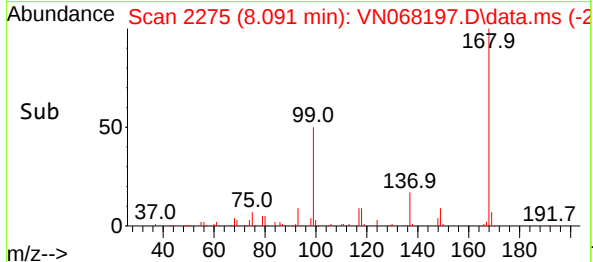
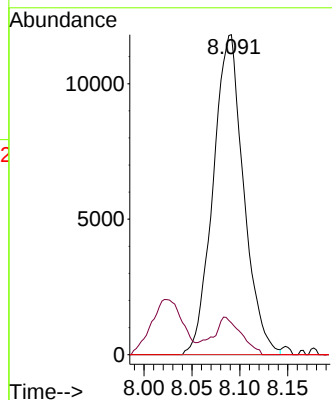
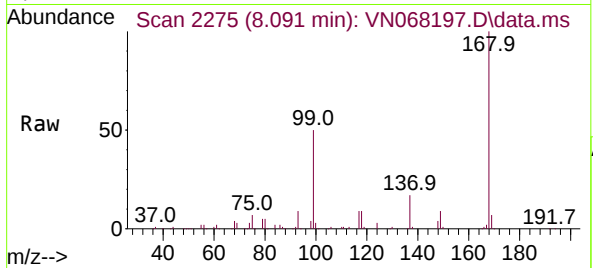




#36
1,1-Dichloropropene
Concen: 4.785 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

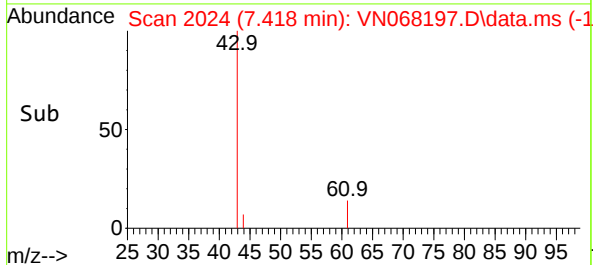
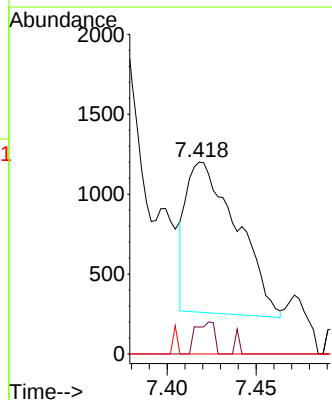
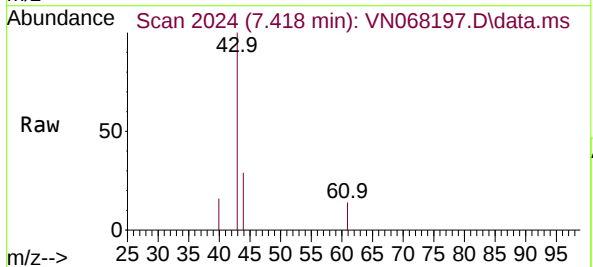
Instrument :
MSVOA_N
ClientSampled :
2021-08-17-EB

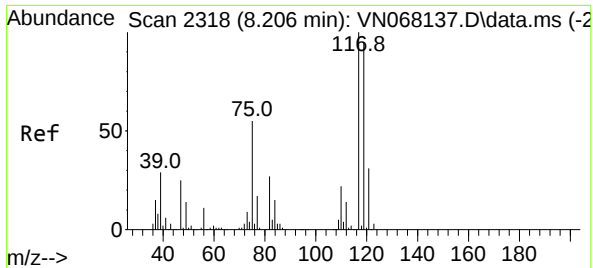
Tgt Ion: 75 Resp: 26171
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 0.401 ug/l
RT: 7.418 min Scan# 2024
Delta R.T. 0.003 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 43 Resp: 1866
Ion Ratio Lower Upper
43 100
61 7.8 10.6 16.0#
70 1.5 8.1 12.1#

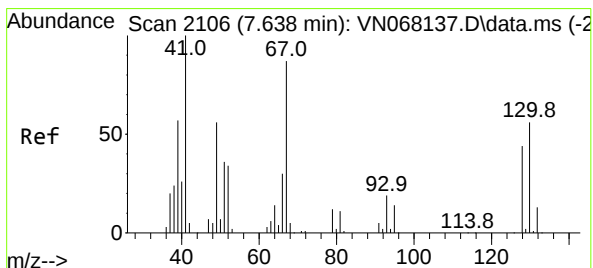
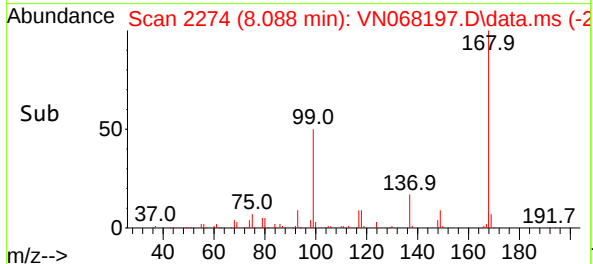
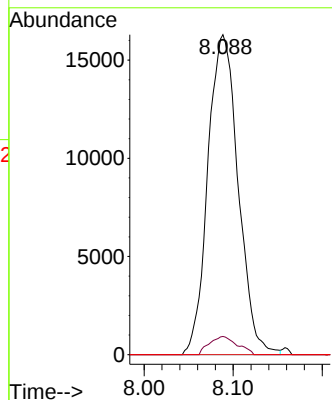
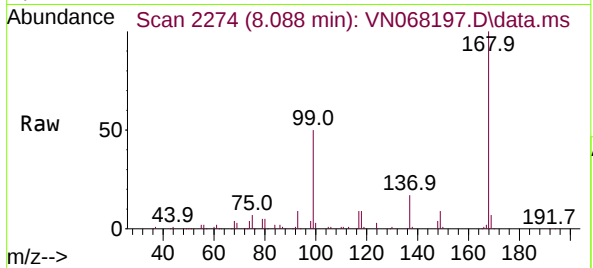




#38
Carbon Tetrachloride
Concen: 6.120 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

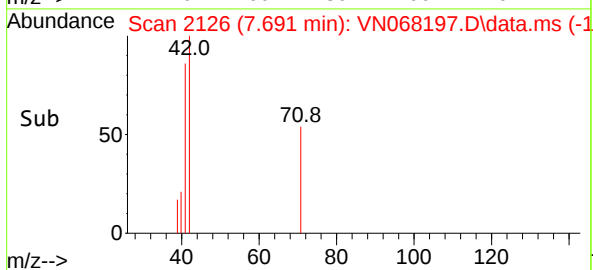
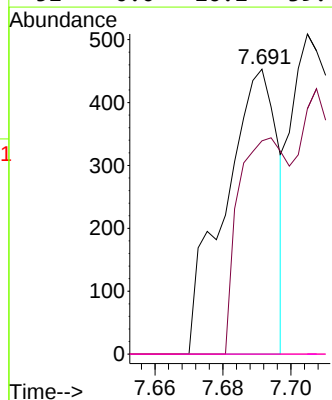
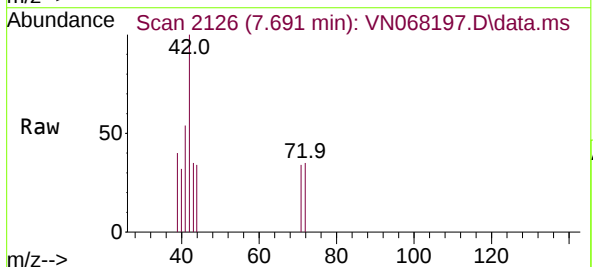
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-EB

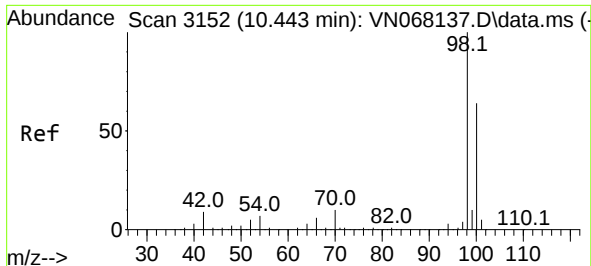
Tgt Ion:117 Resp: 38601
Ion Ratio Lower Upper
117 100
119 5.7 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 0.230 ug/l
RT: 7.691 min Scan# 2126
Delta R.T. 0.053 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 41 Resp: 490
Ion Ratio Lower Upper
41 100
39 71.0 47.6 71.4
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

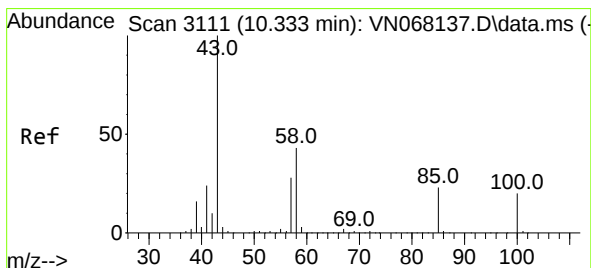
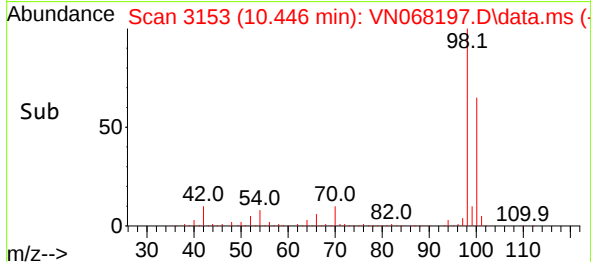
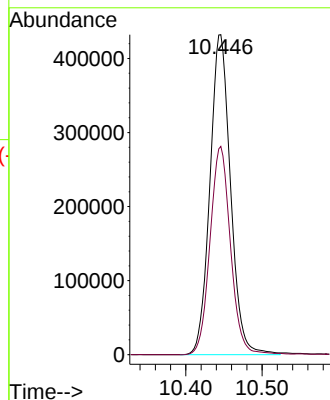
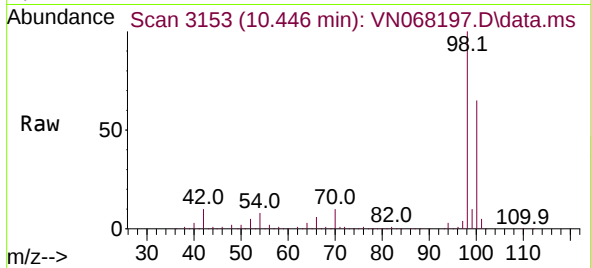




#50
Toluene-d8
Concen: 50.712 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

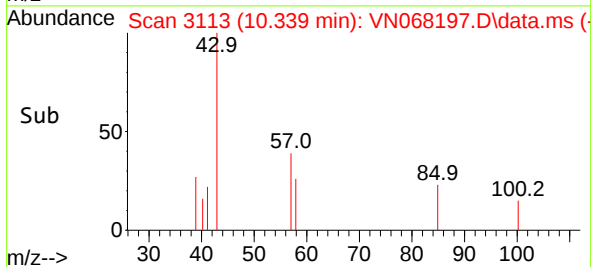
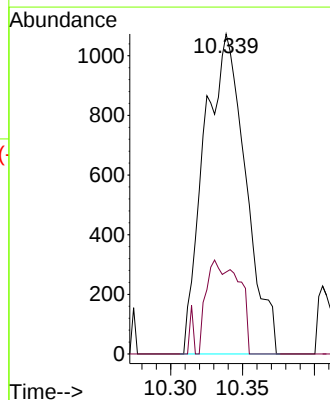
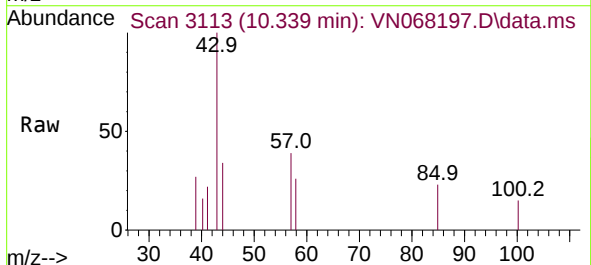
Instrument :
MSVOA_N
ClientSampled :
2021-08-17-EB

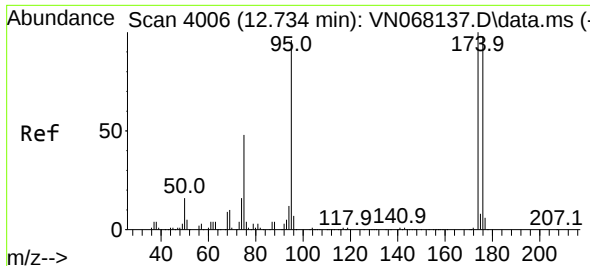
Tgt Ion: 98 Resp: 811610
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 43 Resp: 2157
Ion Ratio Lower Upper
43 100
58 11.5 28.6 43.0#

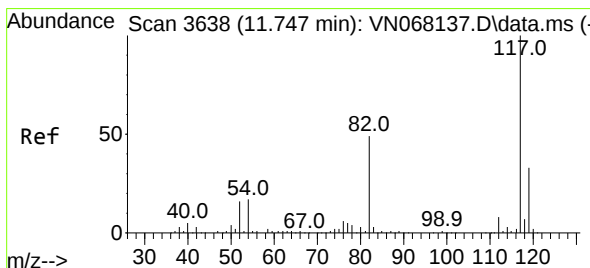
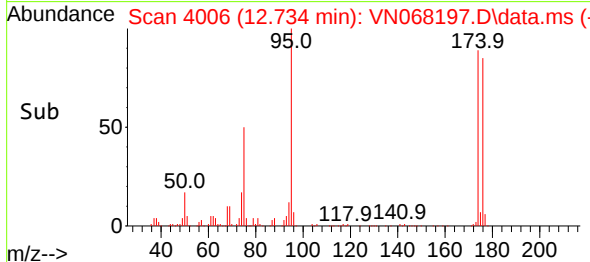
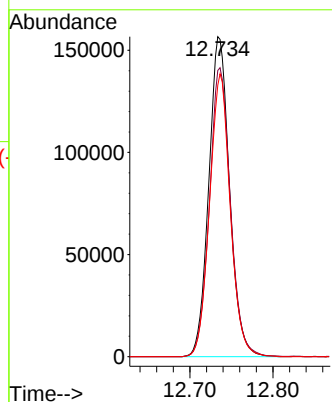
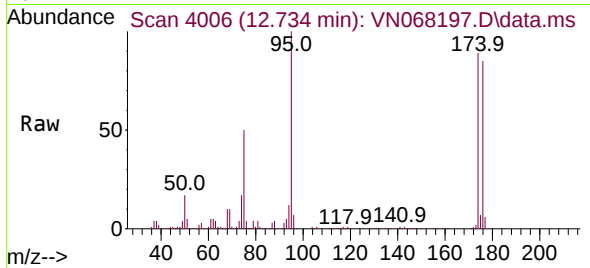




#62
4-Bromofluorobenzene
Concen: 50.959 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

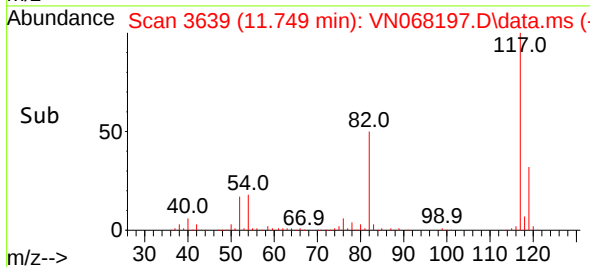
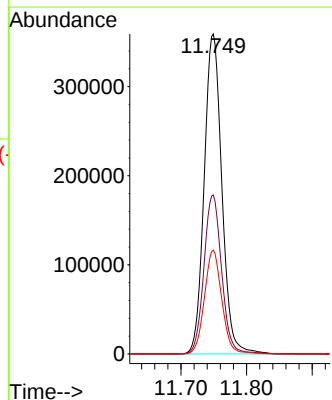
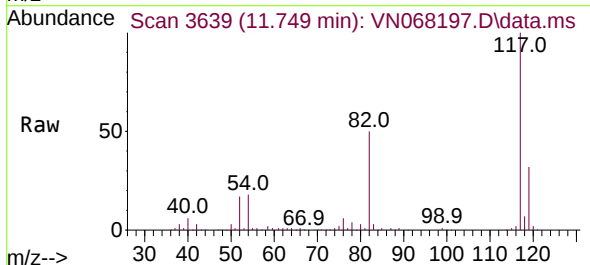
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-EB

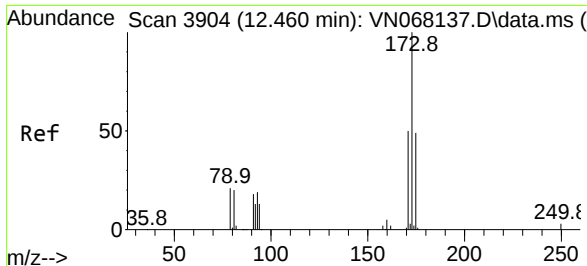
Tgt Ion: 95 Resp: 271494
Ion Ratio Lower Upper
95 100
174 91.6 0.0 122.0
176 88.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 117 Resp: 672016
Ion Ratio Lower Upper
117 100
82 49.7 53.1 79.7#
119 32.5 25.5 38.3

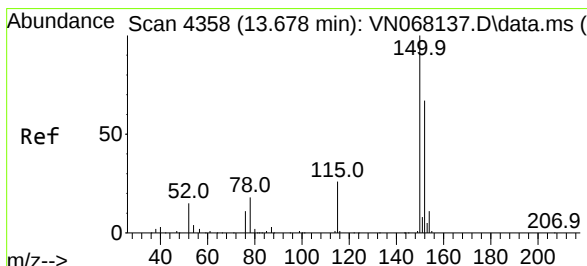
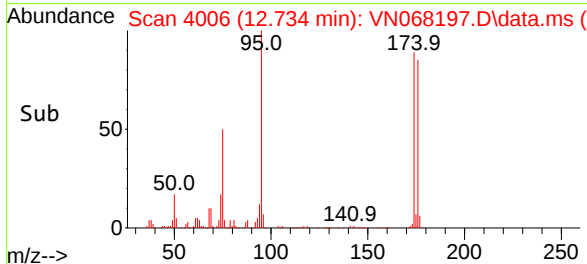
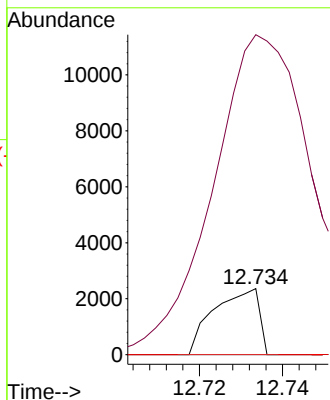
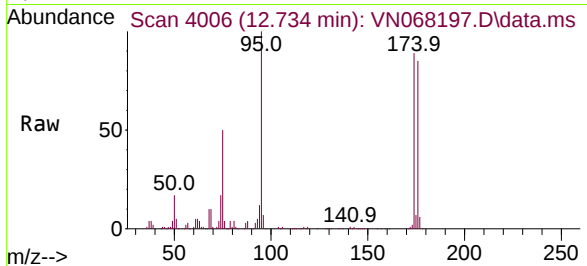




#71
Bromoform
Concen: 0.428 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

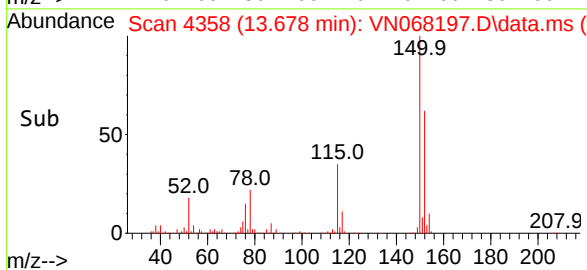
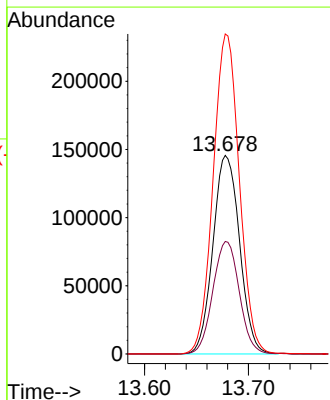
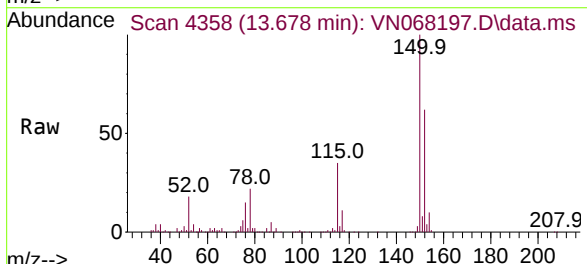
Instrument :
MSVOA_N
ClientSampled :
2021-08-17-EB

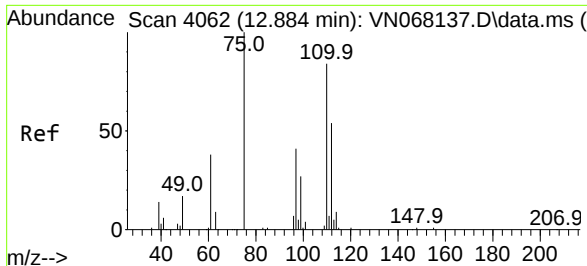
Tgt Ion:173 Resp: 1783
Ion Ratio Lower Upper
173 100
175 987.9 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion:152 Resp: 259679
Ion Ratio Lower Upper
152 100
115 56.2 36.1 108.5
150 158.5 0.0 351.8

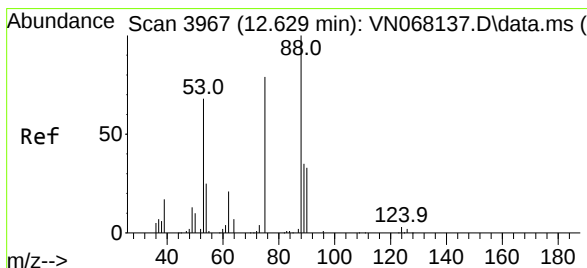
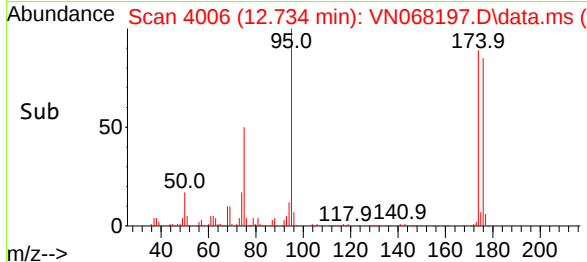
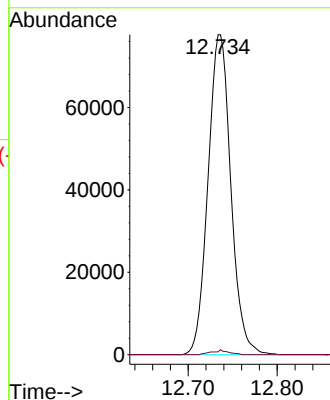
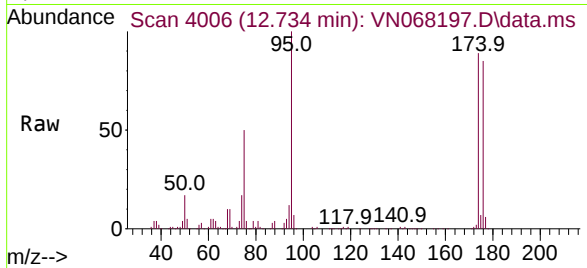




#76
1,2,3-Trichloropropane
Concen: 32.017 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

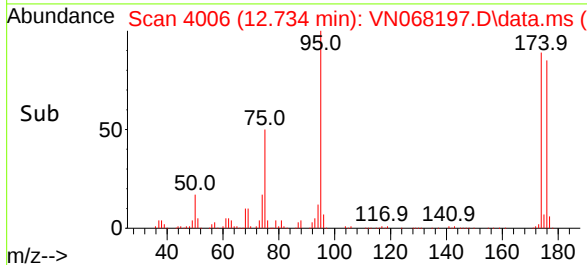
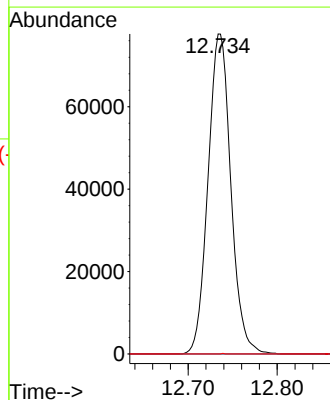
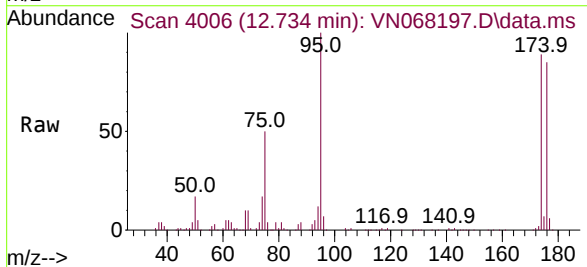
Instrument :
MSVOA_N
ClientSampleId :
2021-08-17-EB

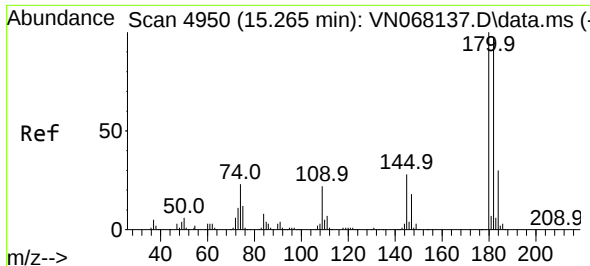
Tgt Ion: 75 Resp: 138190
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.893 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion: 75 Resp: 138190
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

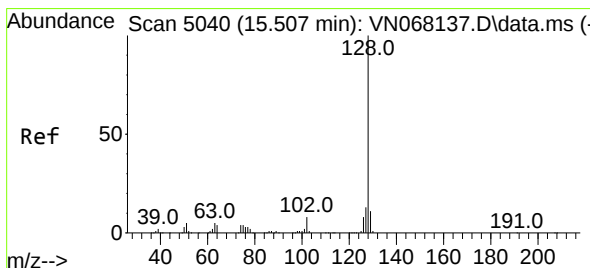
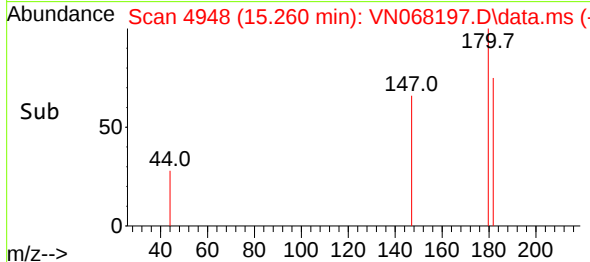
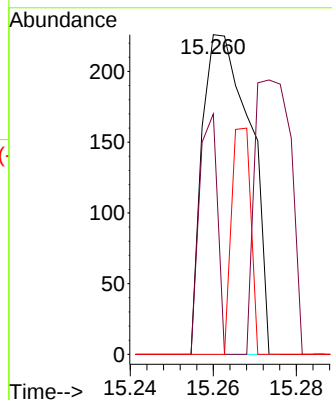
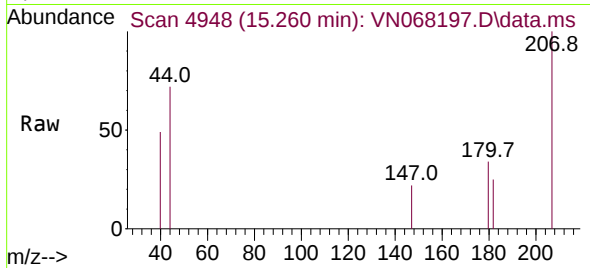




#93
1,2,4-Trichlorobenzene
Concen: 2.725 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Instrument :
MSVOA_N
ClientSampled :
2021-08-17-EB

Tgt Ion:180 Resp: 181
Ion Ratio Lower Upper
180 100
182 28.7 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.440 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN068197.D
Acq: 18 Aug 2021 16:50

Tgt Ion:128 Resp: 1045
Ion Ratio Lower Upper
128 100
127 2.5 10.6 15.8#
129 0.0 8.6 12.8#

