

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067917.D
 Acq On : 26 Jul 2021 19:18
 Operator : JC/MD
 Sample : M3147-17
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:32:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	304645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	582589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	561997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	185862	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246215	53.477	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.960%
35) Dibromofluoromethane	8.024	113	177461	50.417	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.840%
50) Toluene-d8	10.443	98	753433	51.138	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.280%
62) 4-Bromofluorobenzene	12.734	95	234286	45.015	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.040%

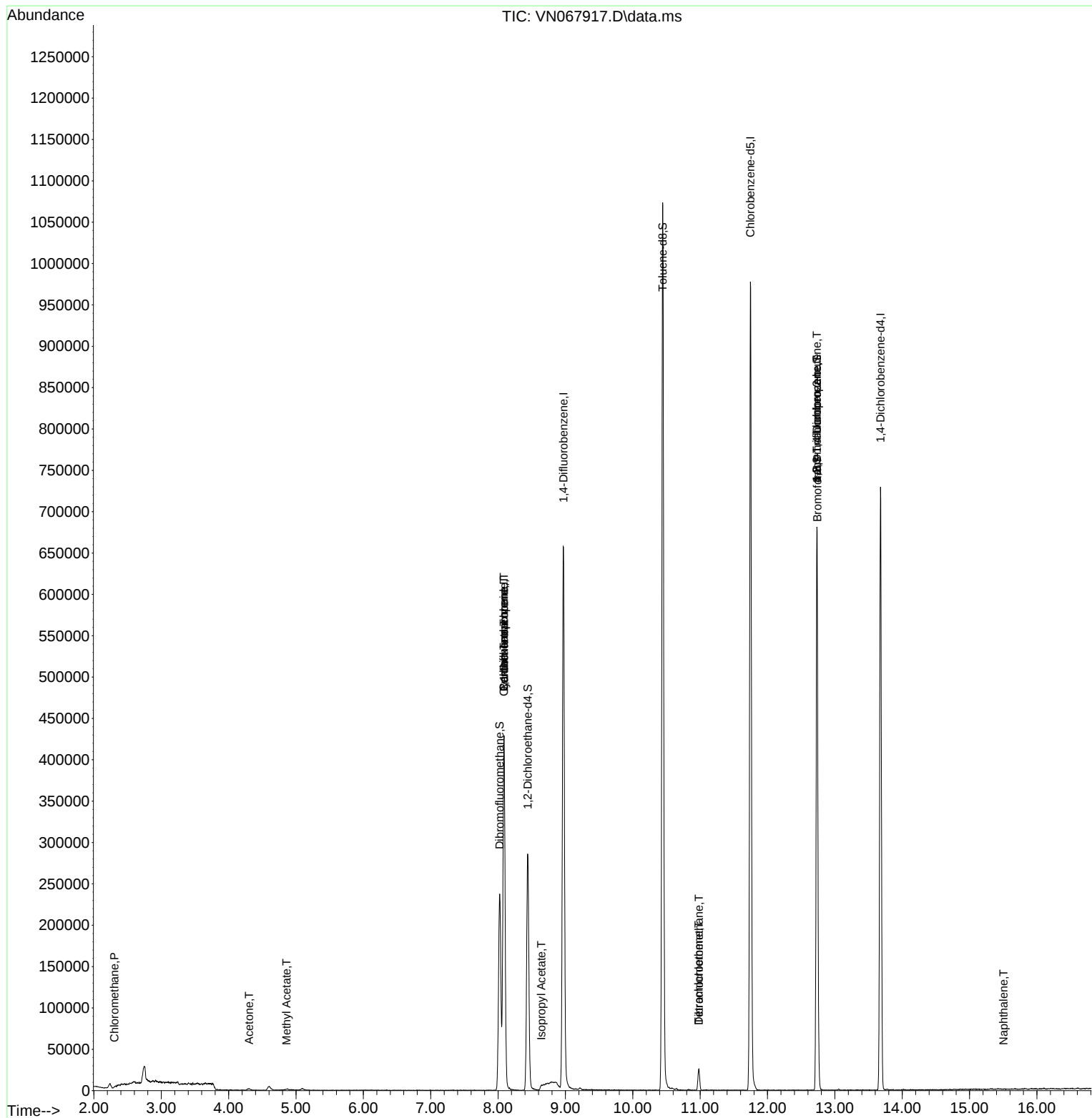
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.303	50	927	0.226	ug/l #	75
5) Bromomethane	2.810	94	50	Below Cal		96
6) Chloroethane	3.054	64	26	Below Cal #		44
13) Acrolein	4.055	56	51	Below Cal #		59
16) Acetone	4.301	43	3994	2.757	ug/l	95
18) Methyl Acetate	4.857	43	1012	0.249	ug/l #	84
20) Methylene Chloride	5.098	84	389	Below Cal #		53
31) Cyclohexane	8.086	56	7951	1.232	ug/l #	40
36) 1,1-Dichloropropene	8.088	75	28001	5.174	ug/l #	52
38) Carbon Tetrachloride	8.088	117	33518	6.279	ug/l #	17
43) Isopropyl Acetate	8.644	43	3120	0.338	ug/l #	58
60) Dibromochloromethane	10.982	129	5684	3.442	ug/l #	11
64) Tetrachloroethene	10.980	164	5578	1.406	ug/l	97
71) Bromoform	12.739	173	884	3.406	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	133443	35.157	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	133443	113.349	ug/l #	6
95) Naphthalene	15.504	128	86	3.021	ug/l #	69

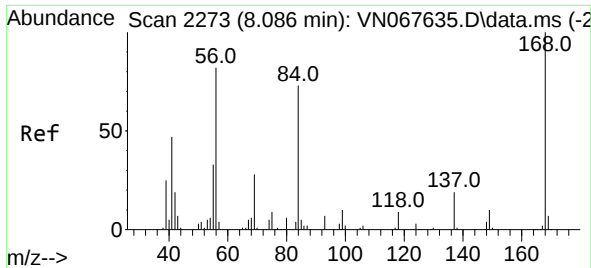
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 01:32:13 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration

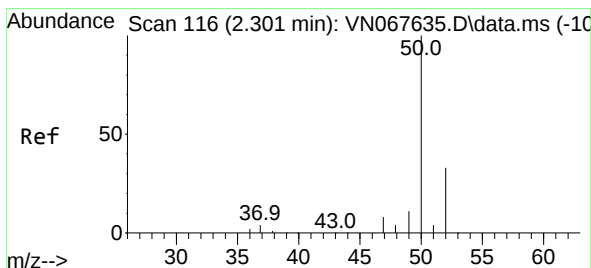
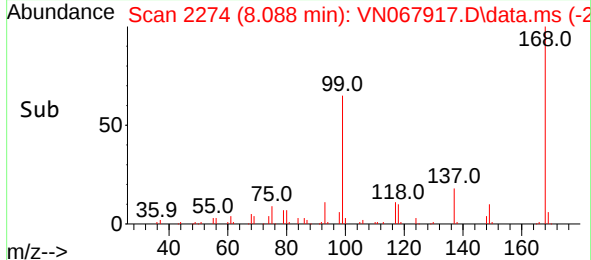
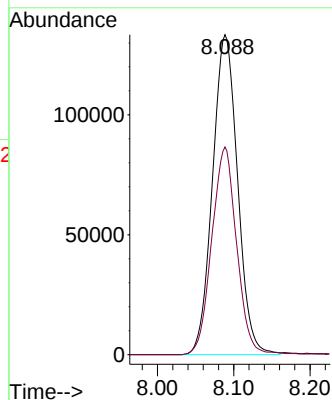
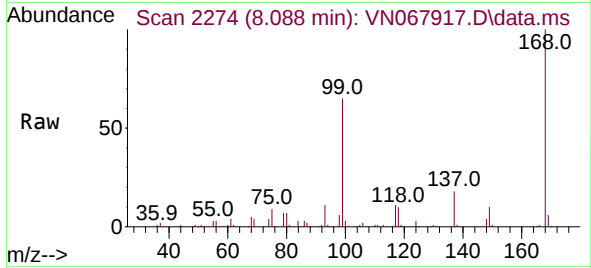




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

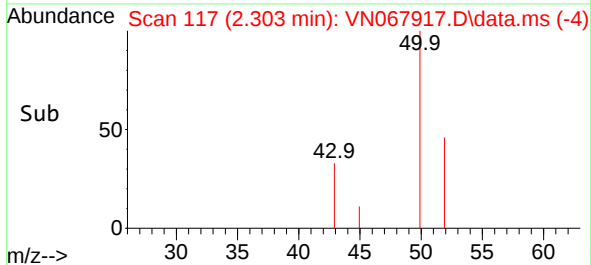
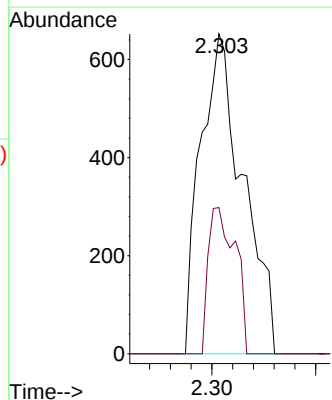
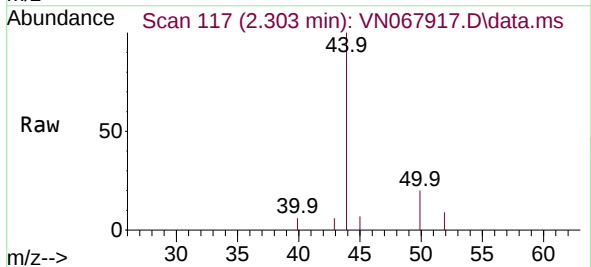
Instrument :
MSVOA_N
ClientSampled :

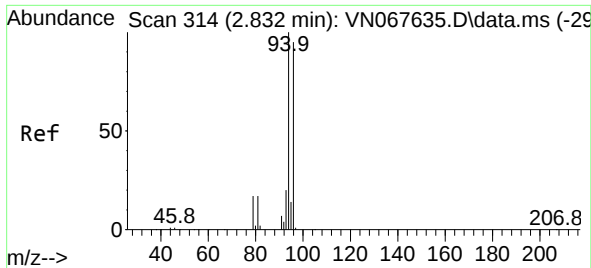
Tgt Ion:168 Resp: 304645
Ion Ratio Lower Upper
168 100
99 64.9 62.9 94.3



#3
Chloromethane
Concen: 0.226 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 50 Resp: 927
Ion Ratio Lower Upper
50 100
52 45.7 25.6 38.4#

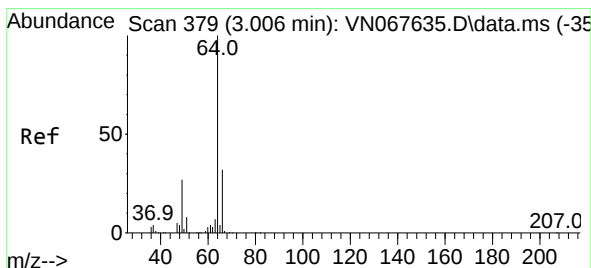
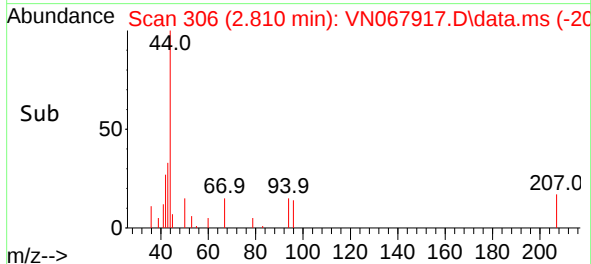
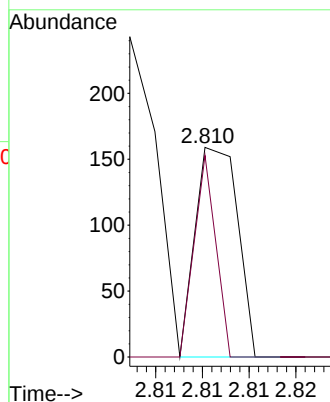
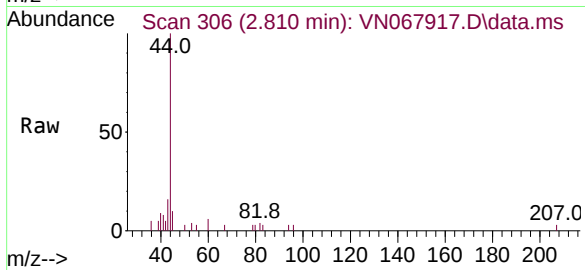




#5
Bromomethane
Concen: Below Cal
RT: 2.810 min Scan# 306
Delta R.T. -0.022 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

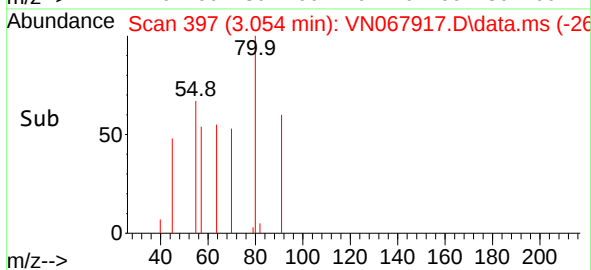
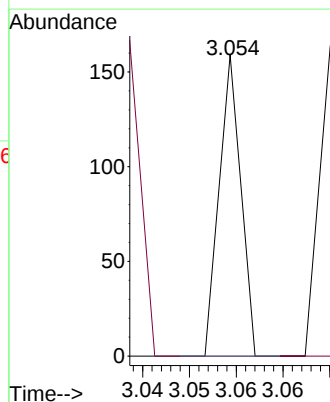
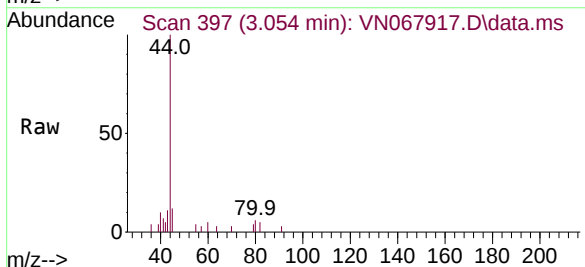
Instrument :
MSVOA_N
ClientSampled :

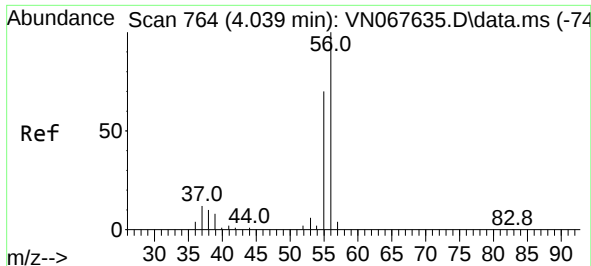
Tgt Ion: 94 Resp: 50
Ion Ratio Lower Upper
94 100
96 96.2 73.7 110.5



#6
Chloroethane
Concen: Below Cal
RT: 3.054 min Scan# 397
Delta R.T. 0.048 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

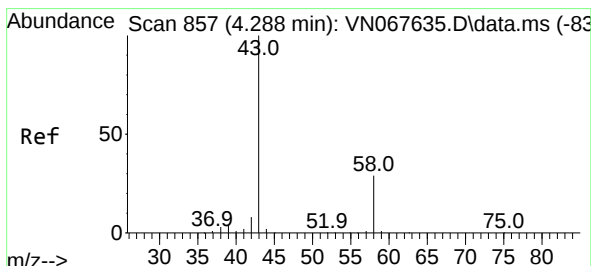
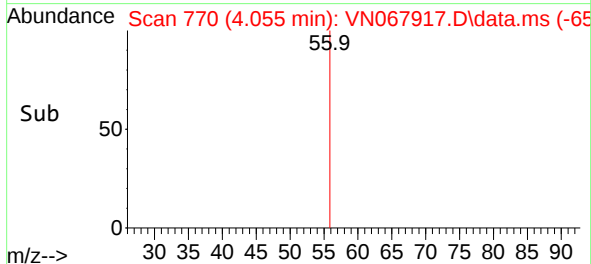
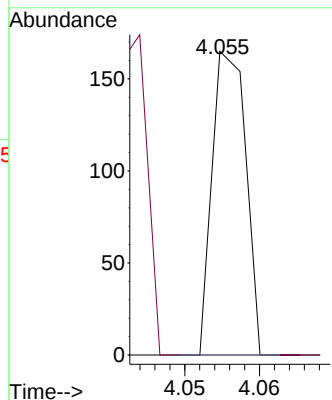
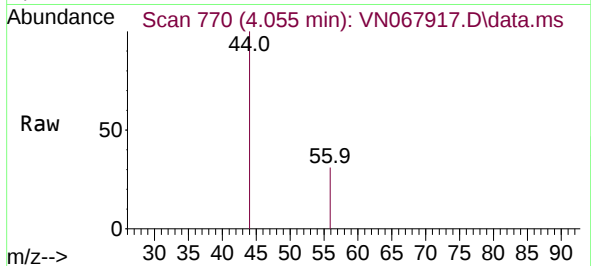




#13
Acrolein
Concen: Below Cal
RT: 4.055 min Scan# 770
Delta R.T. 0.016 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

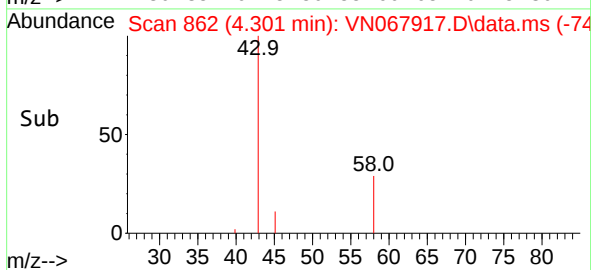
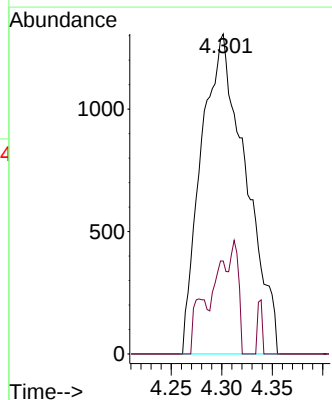
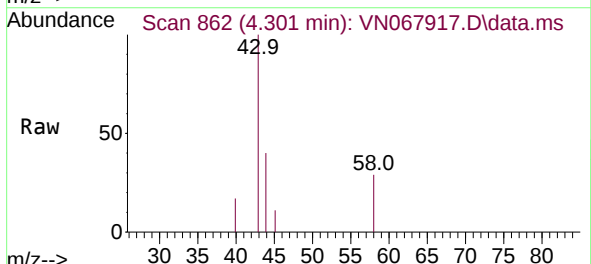
Instrument :
MSVOA_N
ClientSampled :

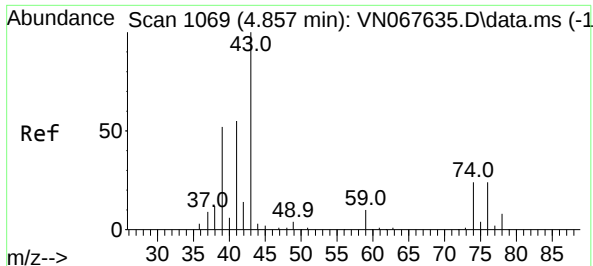
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 105.9 57.4 86.0#



#16
Acetone
Concen: 2.757 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
58 29.1 21.2 31.8





#18

Methyl Acetate

Concen: 0.249 ug/l

RT: 4.857 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VN067917.D

Acq: 26 Jul 2021 19:18

Tgt Ion: 43 Resp: 1012

Ion Ratio Lower Upper

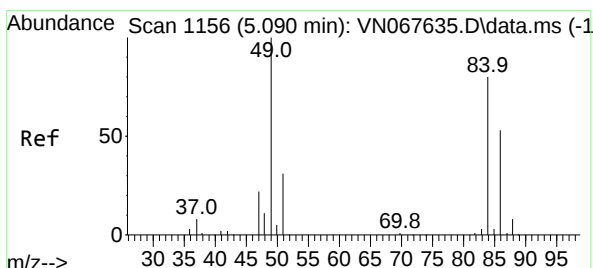
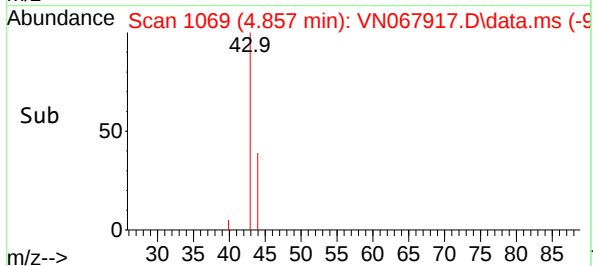
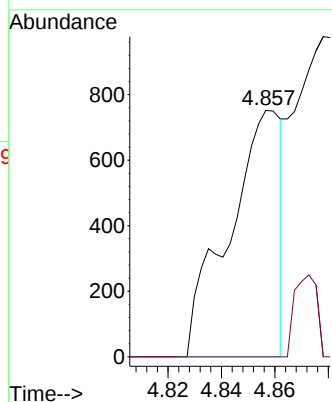
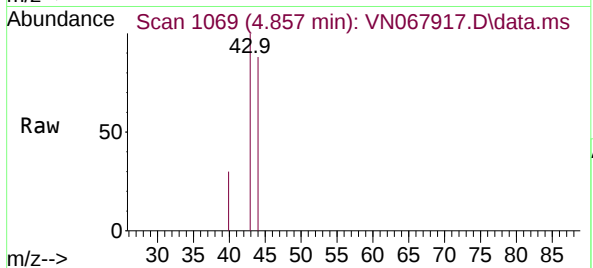
43 100

74 14.3 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: Below Cal

RT: 5.098 min Scan# 1159

Delta R.T. 0.008 min

Lab File: VN067917.D

Acq: 26 Jul 2021 19:18

Tgt Ion: 84 Resp: 389

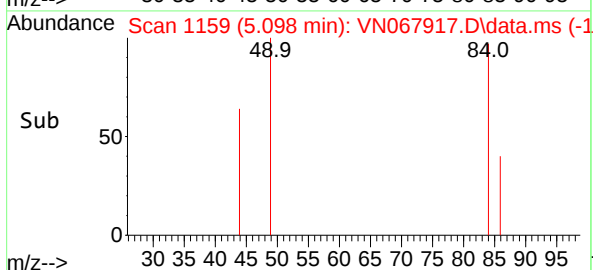
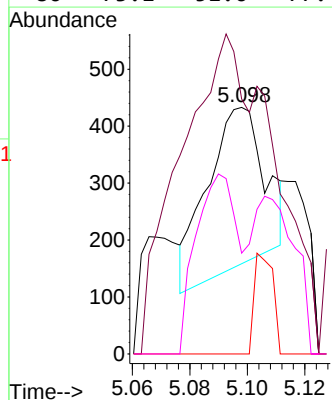
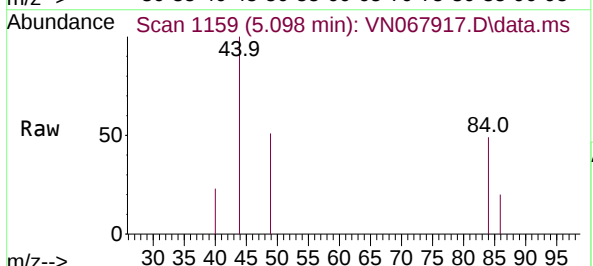
Ion Ratio Lower Upper

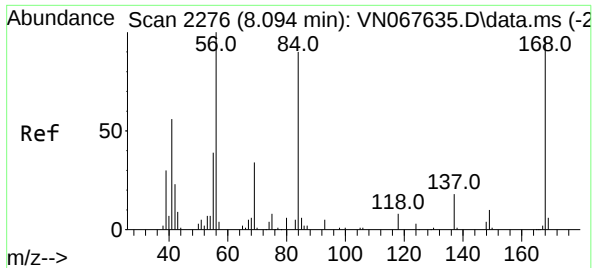
84 100

49 69.0 110.9 166.3#

51 0.0 32.6 49.0#

86 73.1 51.6 77.4

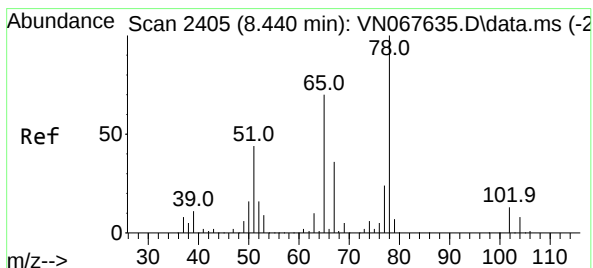
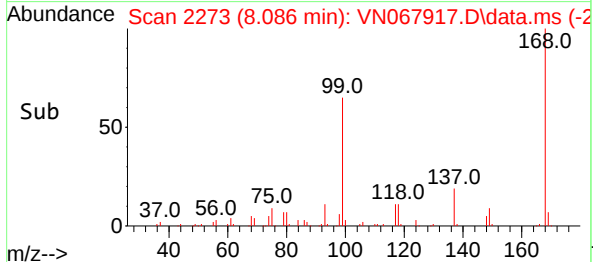
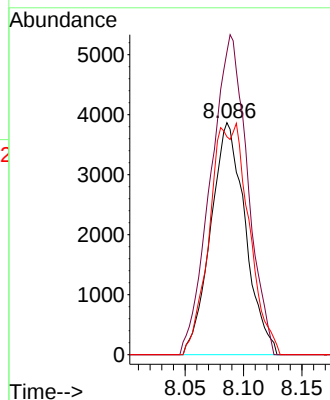
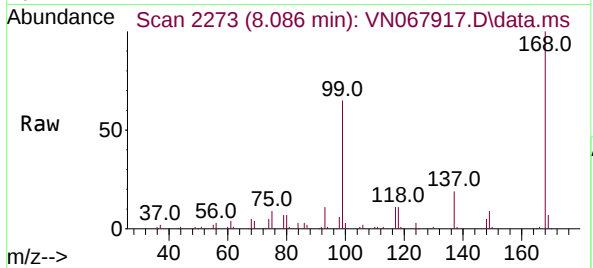




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

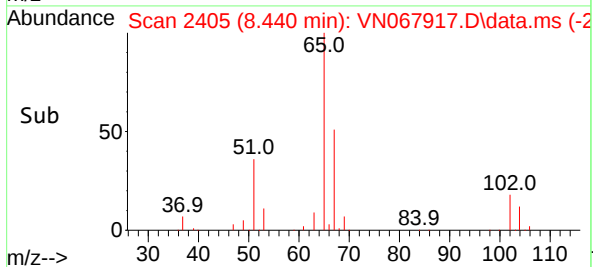
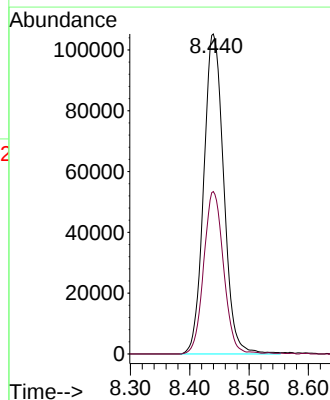
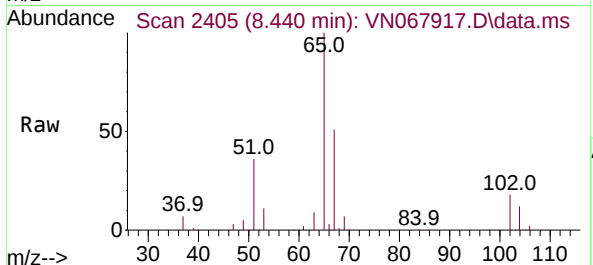
Instrument :
MSVOA_N
ClientSampled :

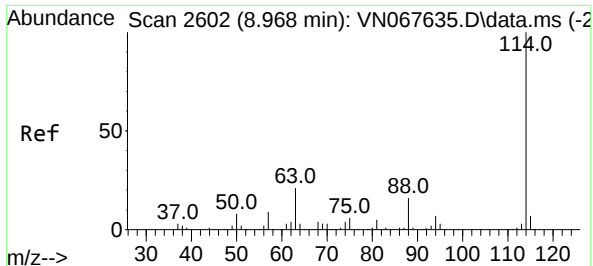
Tgt Ion: 56 Resp: 7951
Ion Ratio Lower Upper
56 100
69 130.5 27.3 40.9#
84 93.9 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 53.477 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 65 Resp: 246215
Ion Ratio Lower Upper
65 100
67 50.4 0.0 98.6

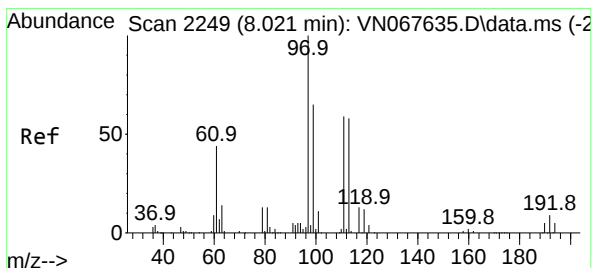
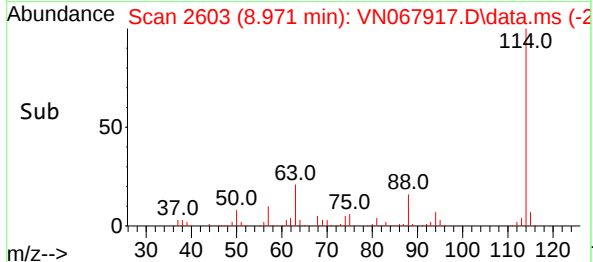
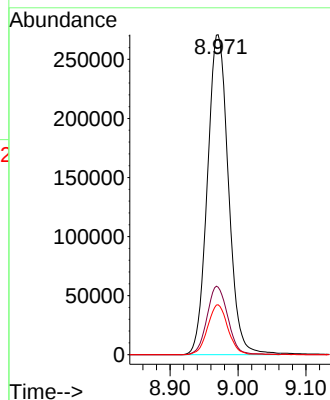
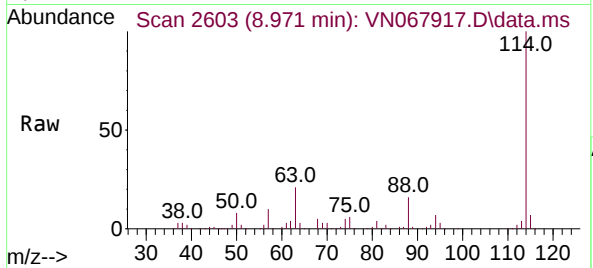




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

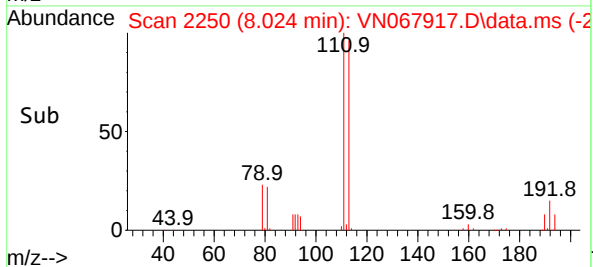
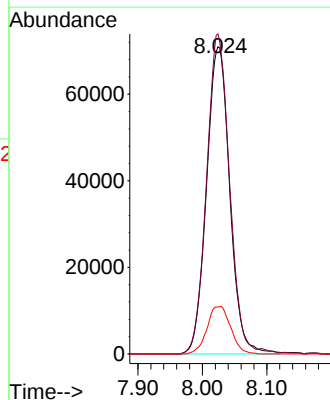
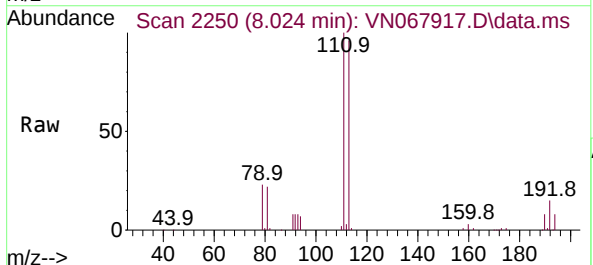
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MSVOA_N
ClientSampled :

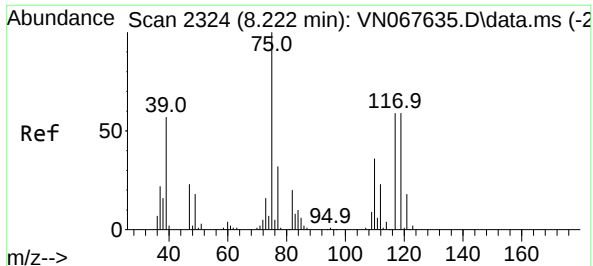
Tgt Ion:114 Resp: 582589
Ion Ratio Lower Upper
114 100
63 21.1 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.417 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion:113 Resp: 177461
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 15.7 13.4 20.0

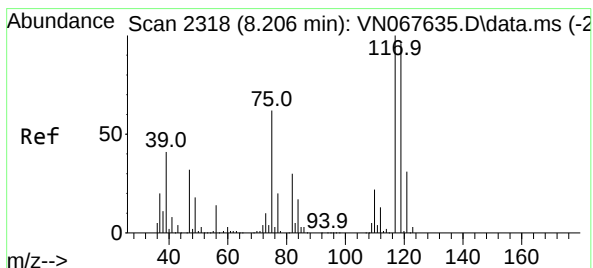
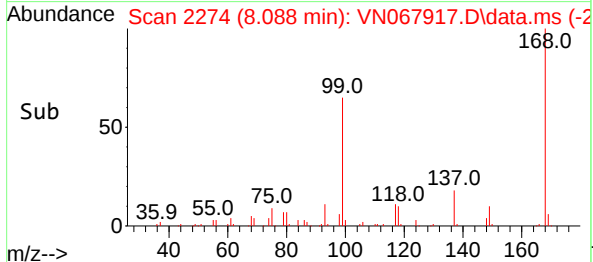
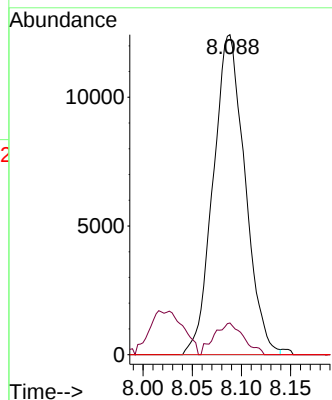
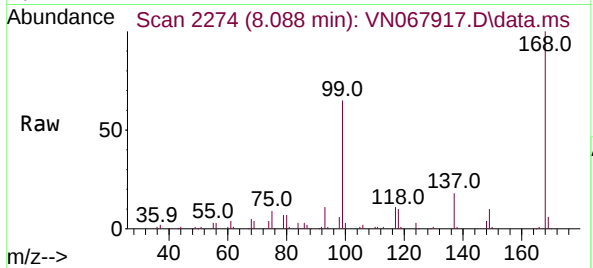




#36
1,1-Dichloropropene
Concen: 5.174 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

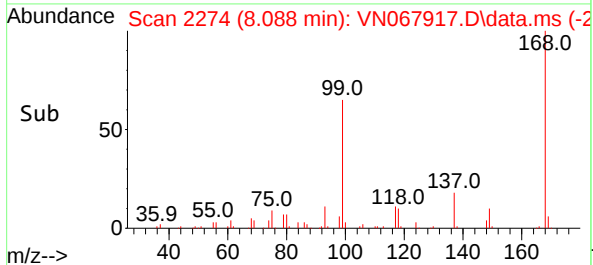
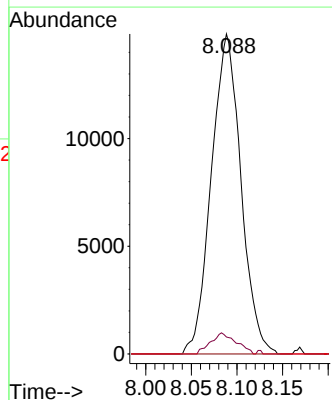
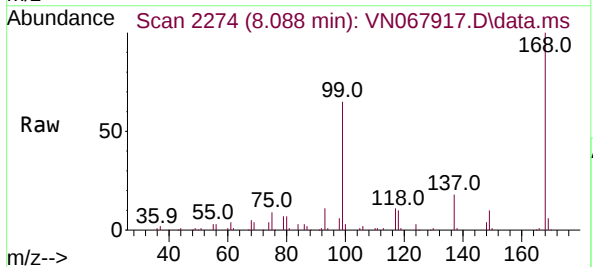
Instrument :
MSVOA_N
ClientSampled :

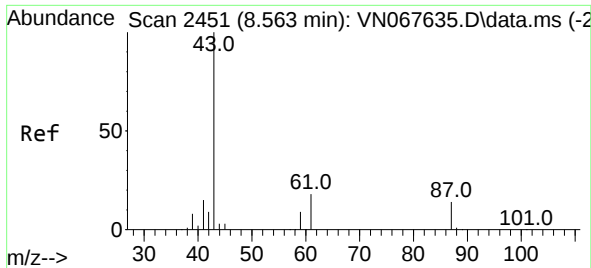
Tgt Ion: 75 Resp: 28001
Ion Ratio Lower Upper
75 100
110 9.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.279 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

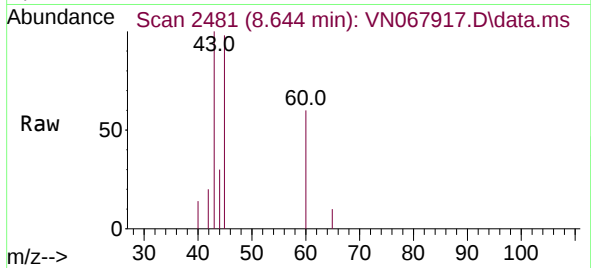
Tgt Ion: 117 Resp: 33518
Ion Ratio Lower Upper
117 100
119 5.3 75.4 113.2#
121 0.0 23.5 35.3#



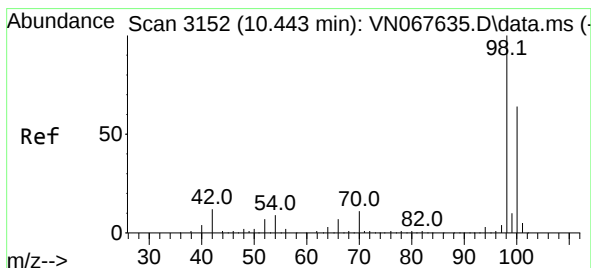
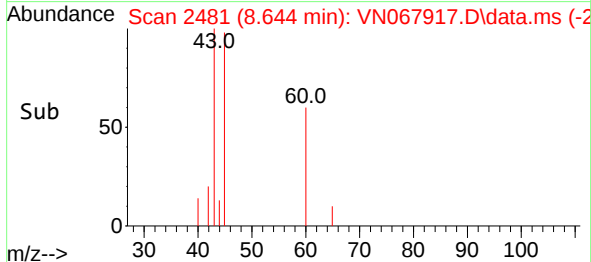
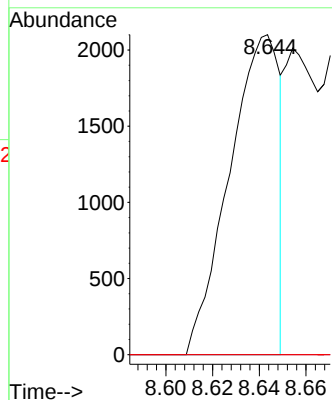


#43
Isopropyl Acetate
Concen: 0.338 ug/l
RT: 8.644 min Scan# 2481
Delta R.T. 0.081 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Instrument :
MSVOA_N
ClientSampled :

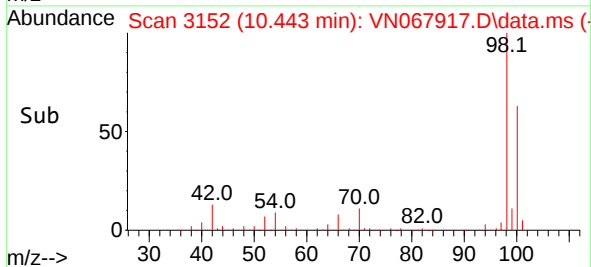
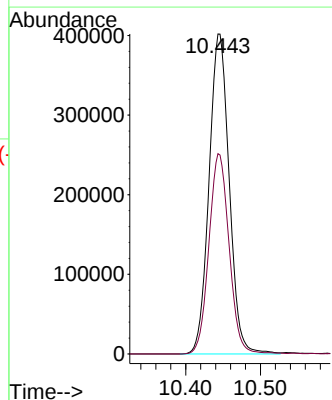
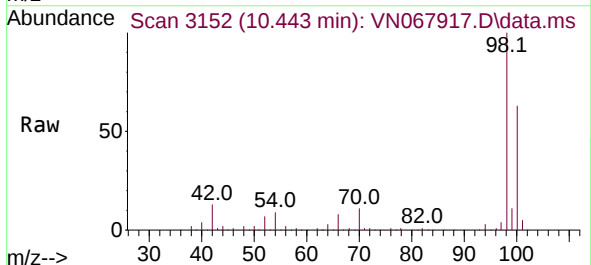


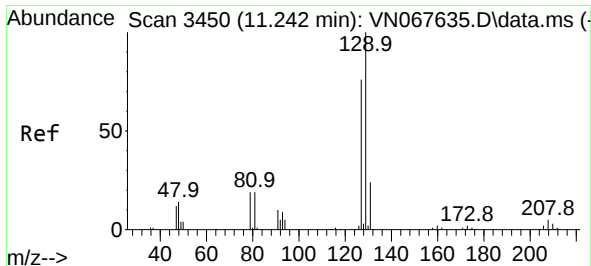
Tgt Ion: 43 Resp: 3120
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 51.138 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 98 Resp: 753433
Ion Ratio Lower Upper
98 100
100 62.6 51.7 77.5

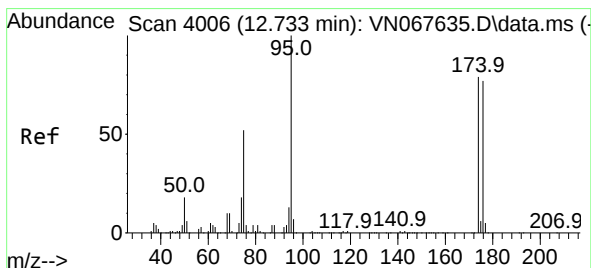
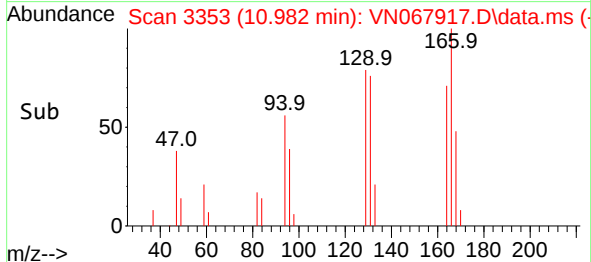
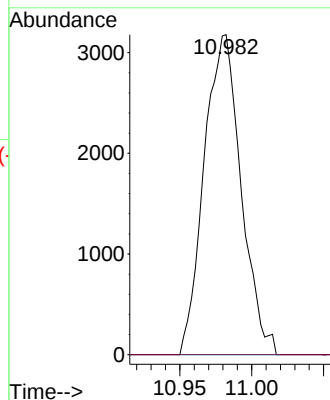
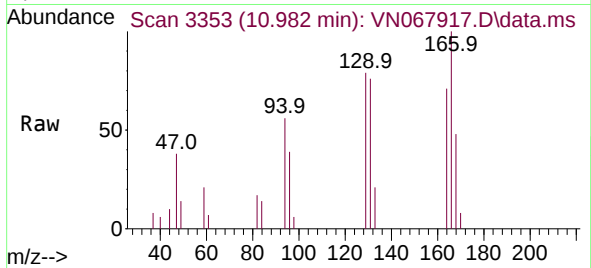




#60
Dibromochloromethane
Concen: 3.442 ug/l
RT: 10.982 min Scan# 3353
Delta R.T. -0.260 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

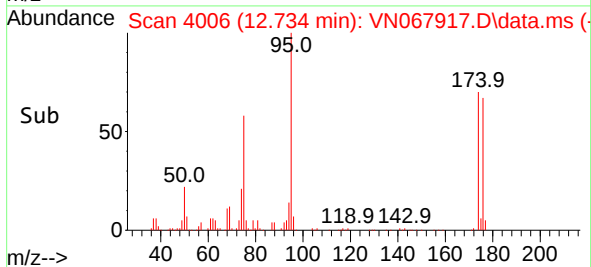
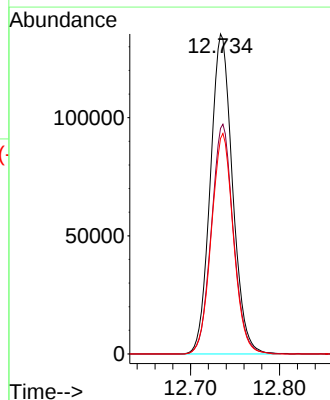
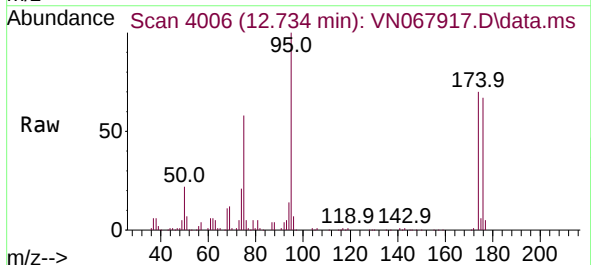
Instrument :
MSVOA_N
ClientSampled :

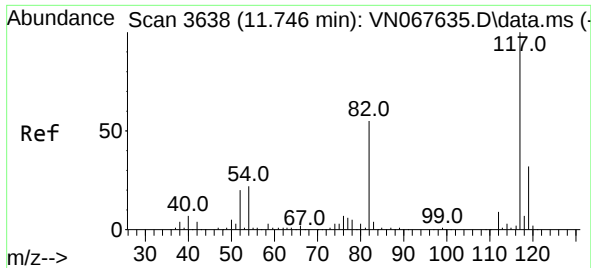
Tgt Ion:129 Resp: 5684
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 45.015 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 95 Resp: 234286
Ion Ratio Lower Upper
95 100
174 71.4 0.0 122.0
176 68.4 0.0 117.6

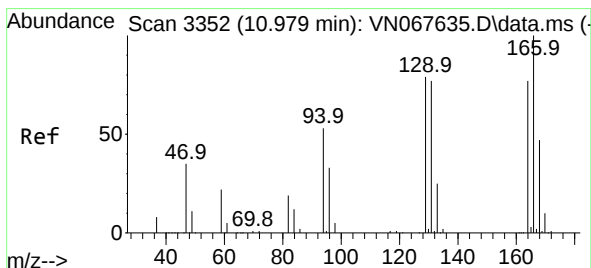
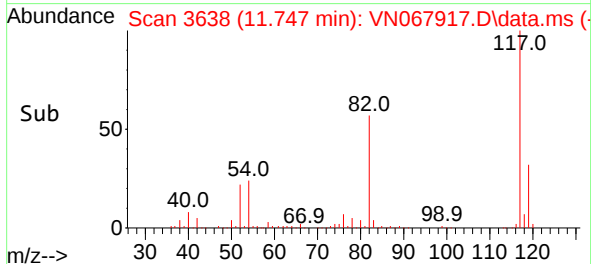
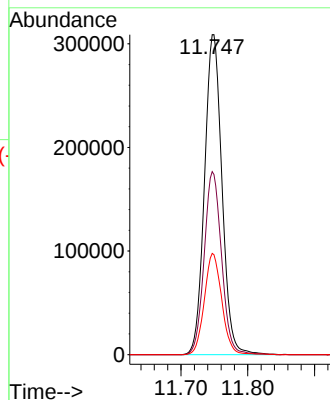
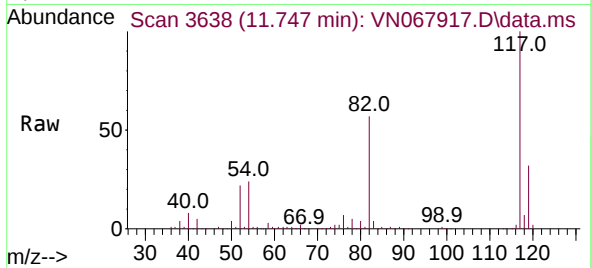




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

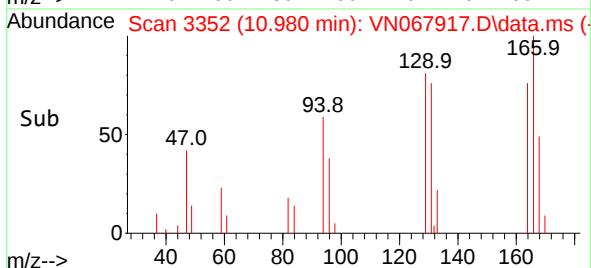
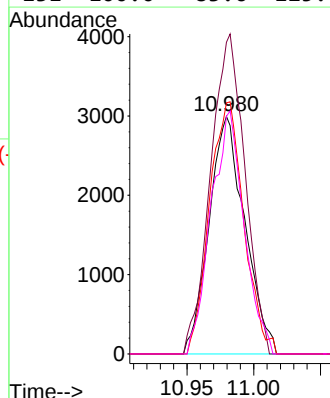
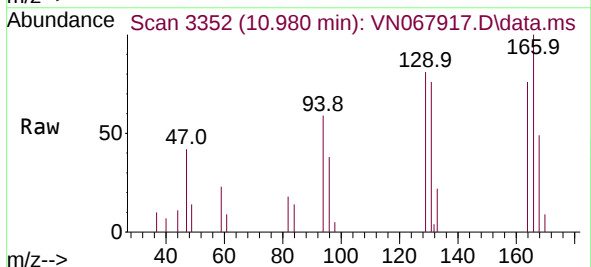
Instrument :
MSVOA_N
ClientSampled :

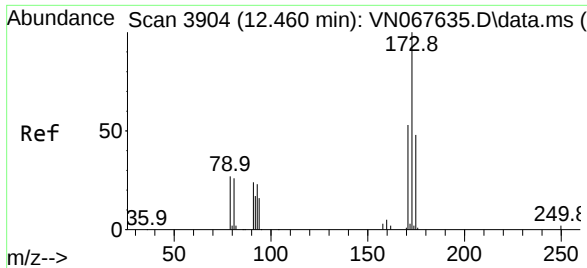
Tgt Ion:117 Resp: 561997
Ion Ratio Lower Upper
117 100
82 57.2 53.1 79.7
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 1.406 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. 0.001 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion:164 Resp: 5578
Ion Ratio Lower Upper
164 100
166 131.1 102.1 153.1
129 105.6 86.9 130.3
131 100.0 83.6 125.4

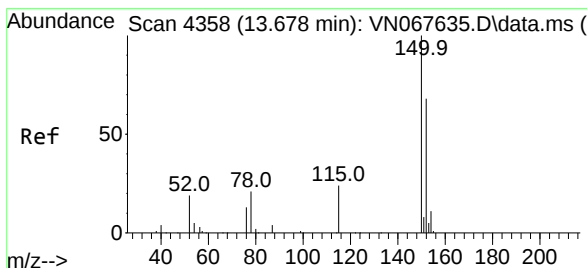
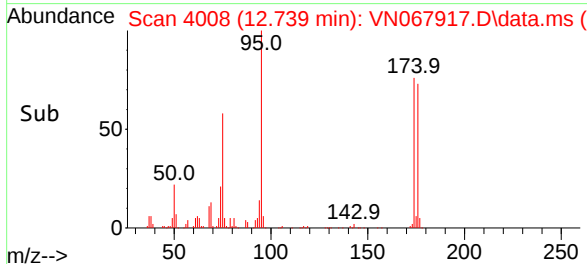
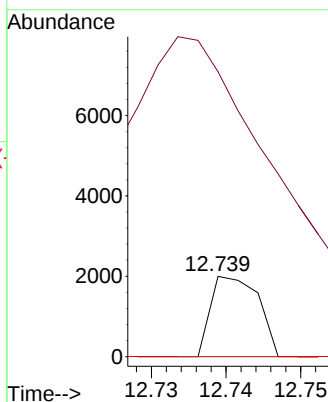
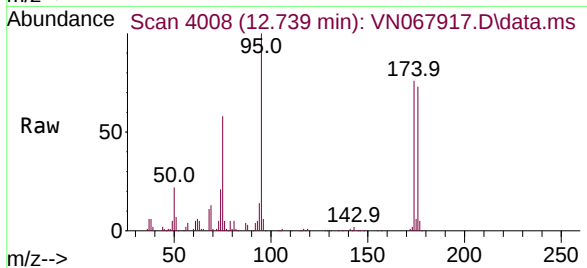




#71
Bromoform
Concen: 3.406 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

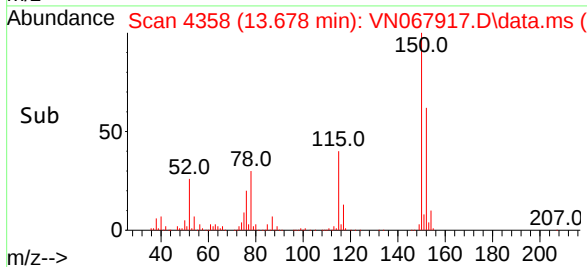
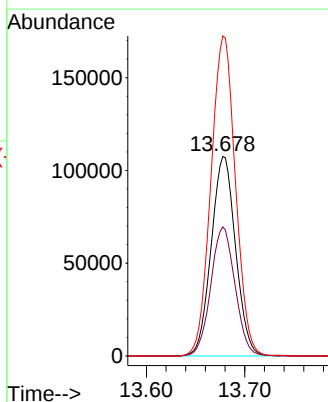
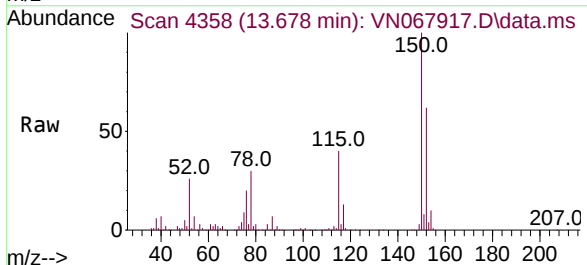
Instrument :
MSVOA_N
ClientSampleId :

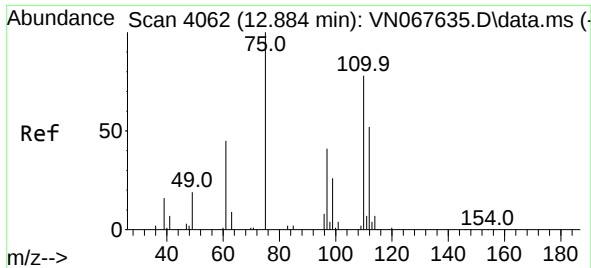
Tgt Ion:173 Resp: 884
Ion Ratio Lower Upper
173 100
175 1355.0 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion:152 Resp: 185862
Ion Ratio Lower Upper
152 100
115 64.1 36.1 108.5
150 160.9 0.0 351.8

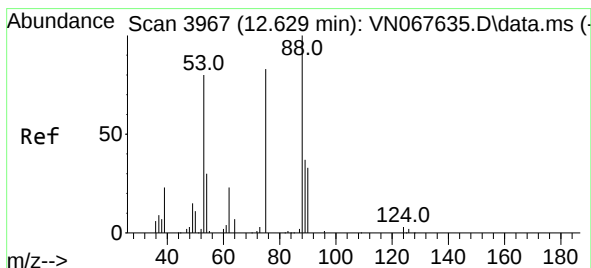
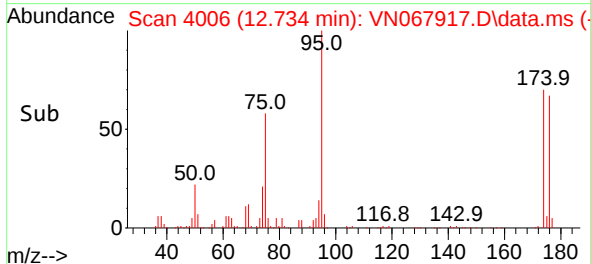
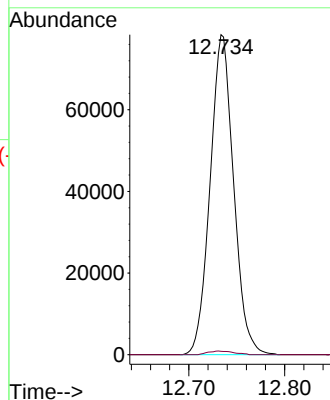
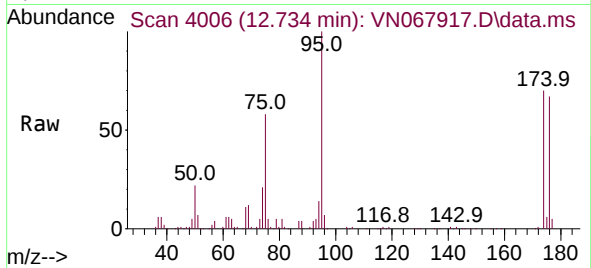




#76
1,2,3-Trichloropropane
Concen: 35.157 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

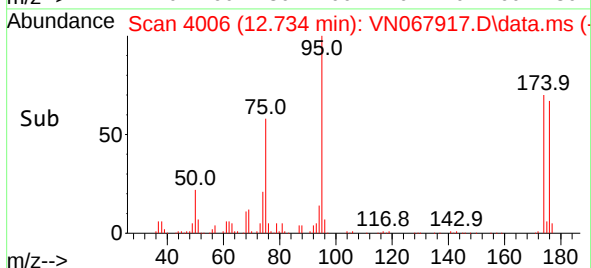
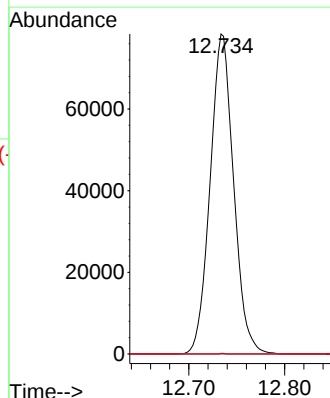
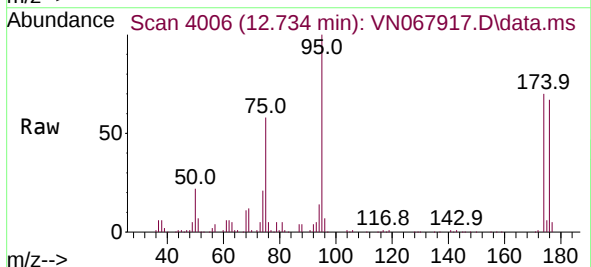
Instrument :
MSVOA_N
ClientSampled :

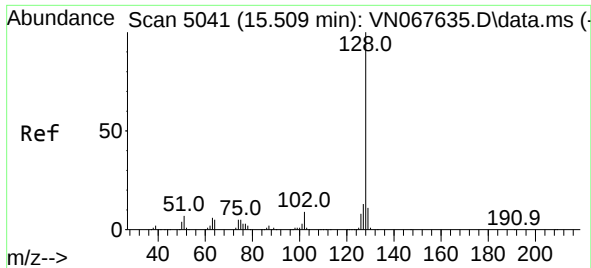
Tgt Ion: 75 Resp: 133443
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.349 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Tgt Ion: 75 Resp: 133443
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.021 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067917.D
Acq: 26 Jul 2021 19:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

