

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069257.D
 Acq On : 28 Oct 2021 18:27
 Operator : JC/MD
 Sample : M4360-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW9-GW-298-300

Quant Time: Oct 28 19:10:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102821W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 28 16:09:15 2021
 Response via : Initial Calibration

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

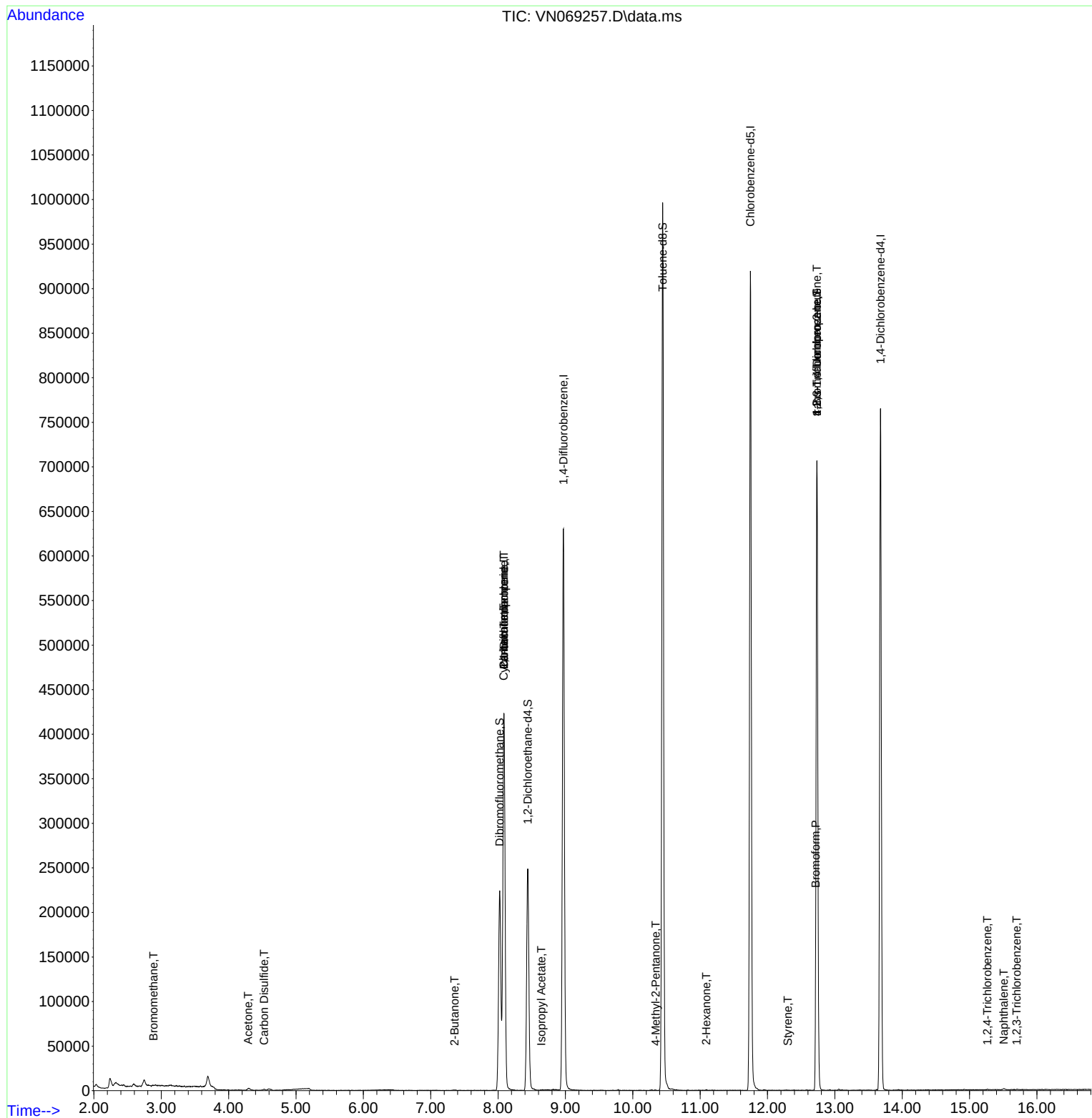
Internal Standards						
1) Pentafluorobenzene	8.088	168	319913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	562232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	548797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	206426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	214928	46.541	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.080%
35) Dibromofluoromethane	8.024	113	164622	46.971	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.940%
50) Toluene-d8	10.443	98	700085	49.959	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.920%
62) 4-Bromofluorobenzene	12.733	95	256555	48.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.040%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	1182	Below Cal		91
5) Bromomethane	2.883	94	768	0.286	ug/l	95
16) Acetone	4.288	43	1879	0.955	ug/l	98
17) Carbon Disulfide	4.527	76	2136	0.279	ug/l #	75
25) 2-Butanone	7.353	43	729	1.874	ug/l #	48
31) Cyclohexane	8.083	56	7461	1.207	ug/l #	7
36) 1,1-Dichloropropene	8.088	75	26396	5.446	ug/l #	44
38) Carbon Tetrachloride	8.088	117	34467	7.135	ug/l #	15
43) Isopropyl Acetate	8.643	43	204	0.480	ug/l #	55
51) 4-Methyl-2-Pentanone	10.341	43	463	6.474	ug/l #	36
59) 2-Hexanone	11.092	43	652	8.132	ug/l #	38
70) Styrene	12.302	104	77	1.462	ug/l #	24
71) Bromoform	12.715	173	91	2.898	ug/l #	29
76) 1,2,3-Trichloropropane	12.733	75	136765	25.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	136765	72.118	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.263	180	372	2.593	ug/l #	67
95) Naphthalene	15.507	128	2141	3.502	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.700	180	147	2.250	ug/l #	1

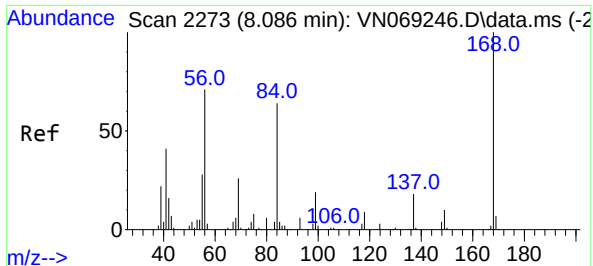
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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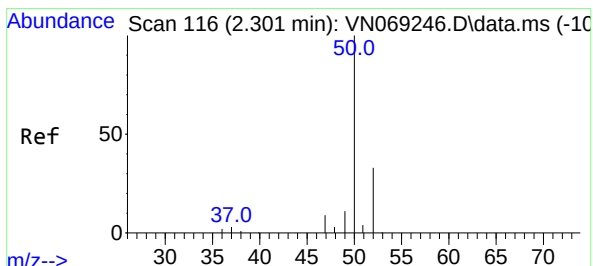
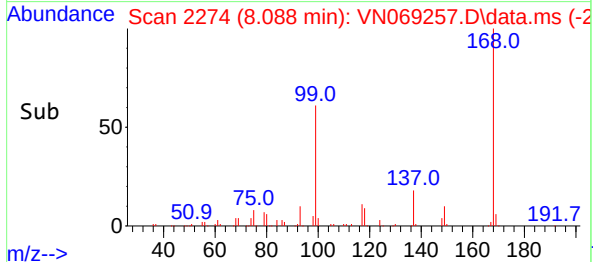
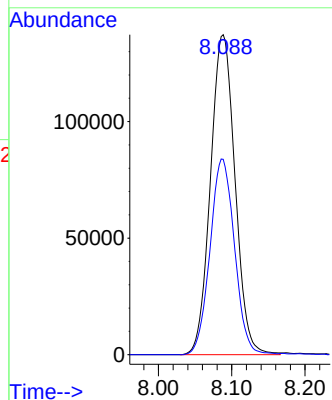
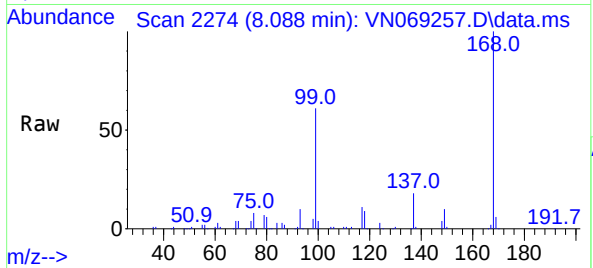




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

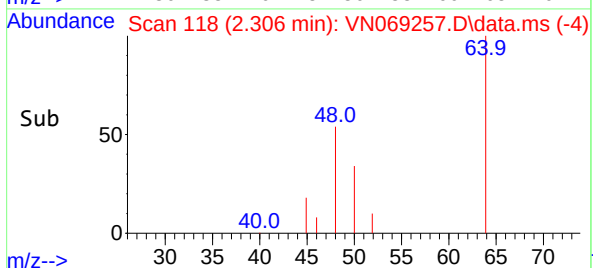
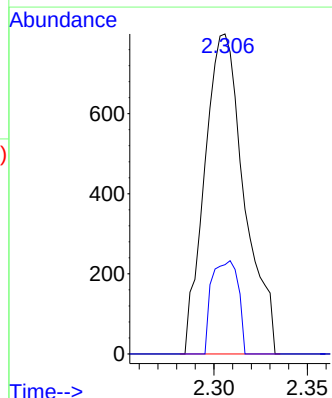
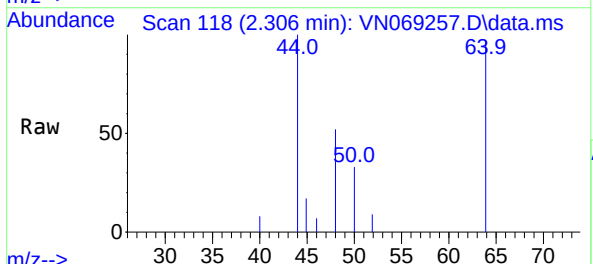
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

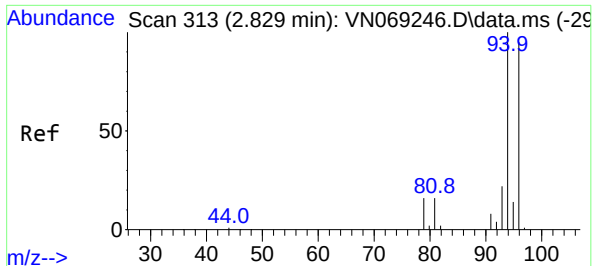
Tgt Ion:168 Resp: 319913
Ion Ratio Lower Upper
168 100
99 61.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion: 50 Resp: 1182
Ion Ratio Lower Upper
50 100
52 27.9 26.3 39.5

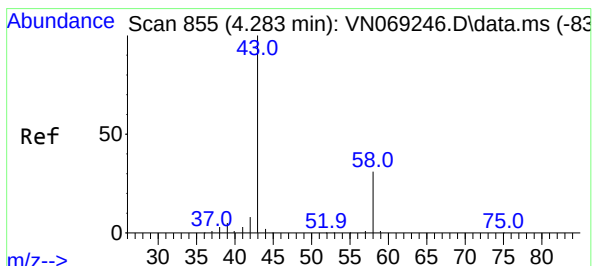
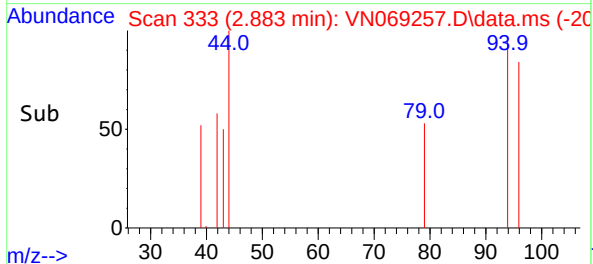
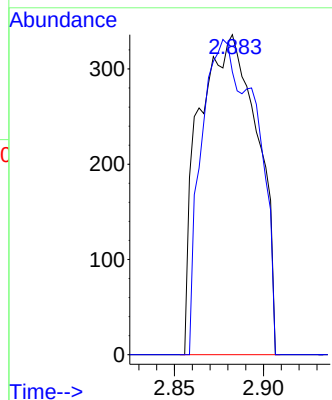
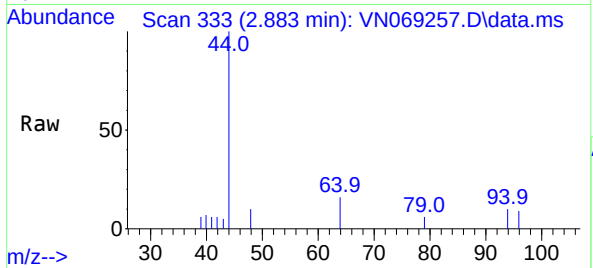




#5
Bromomethane
Concen: 0.286 ug/l
RT: 2.883 min Scan# 313
Delta R.T. 0.054 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

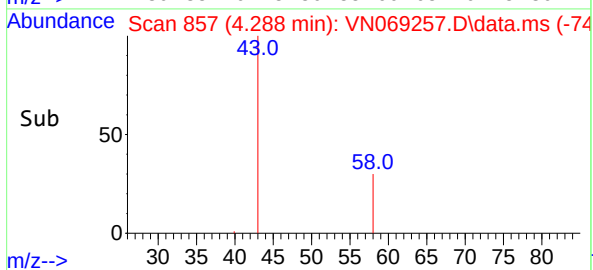
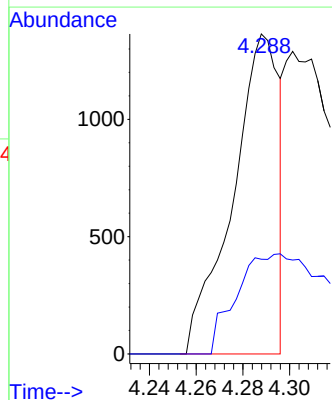
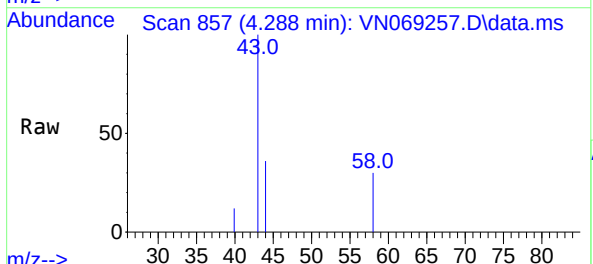
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

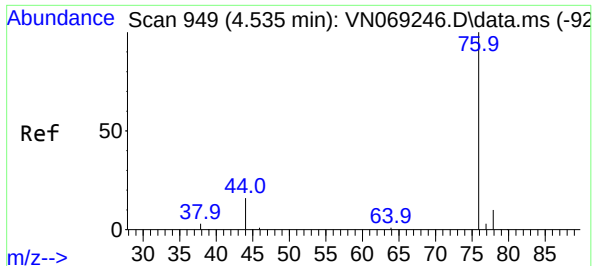
Tgt Ion: 94 Resp: 768
Ion Ratio Lower Upper
94 100
96 88.4 74.2 111.4



#16
Acetone
Concen: 0.955 ug/l
RT: 4.288 min Scan# 857
Delta R.T. 0.005 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion: 43 Resp: 1879
Ion Ratio Lower Upper
43 100
58 29.6 24.5 36.7

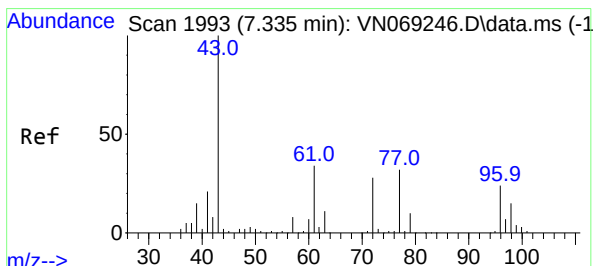
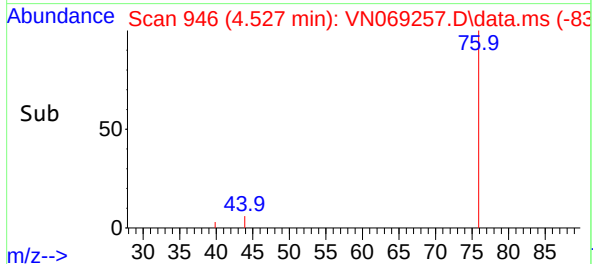
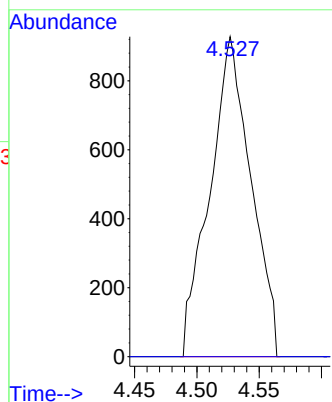
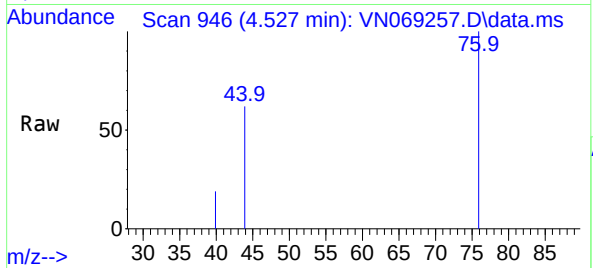




#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 4.527 min Scan# 949
Delta R.T. -0.008 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

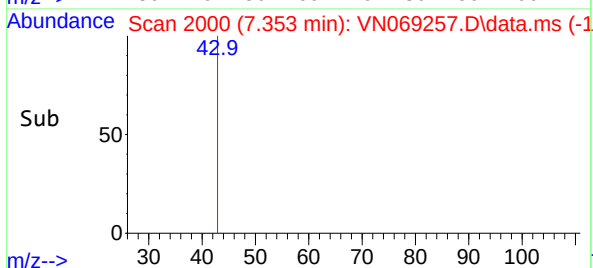
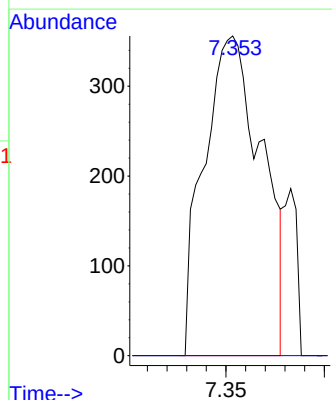
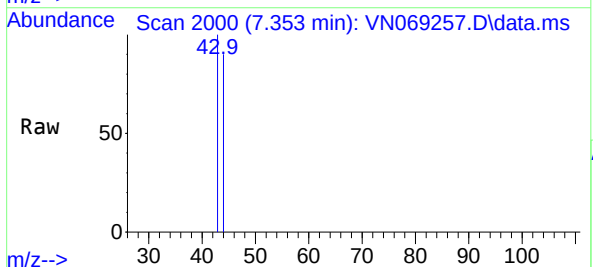
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

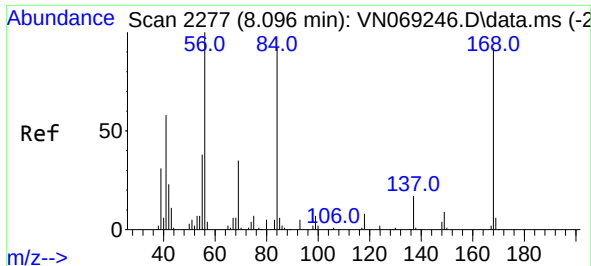
Tgt Ion: 76 Resp: 2136
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#25
2-Butanone
Concen: 1.874 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

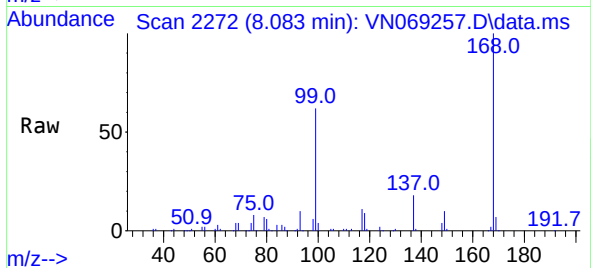
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



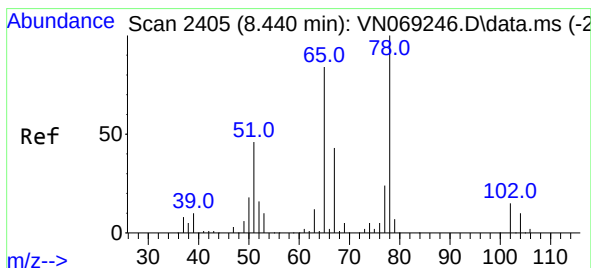
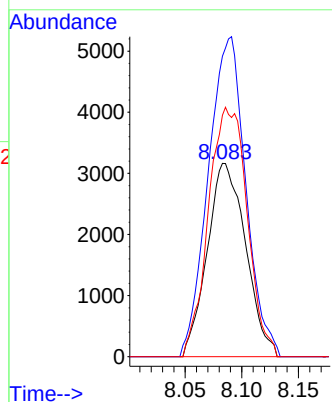
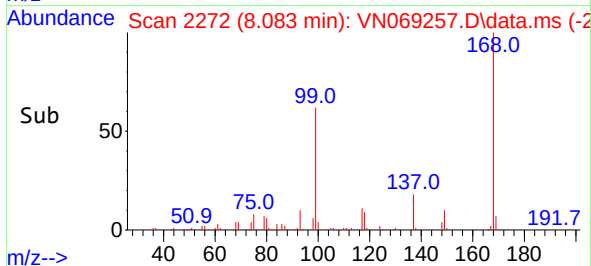


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

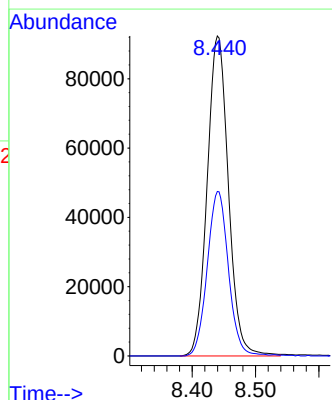
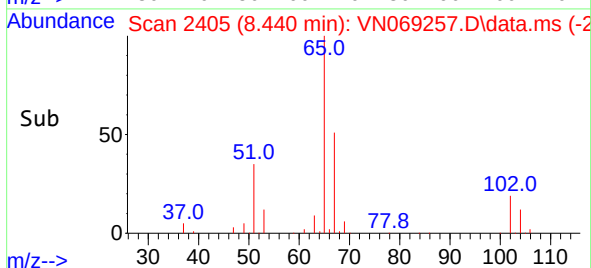
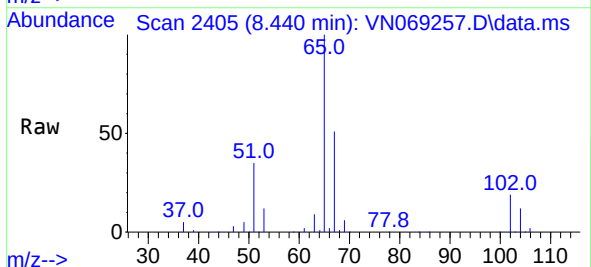


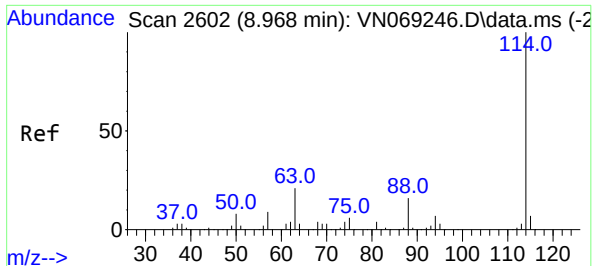
Tgt Ion: 56 Resp: 7461
Ion Ratio Lower Upper
56 100
69 155.5 26.9 40.3#
84 125.0 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.541 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion: 65 Resp: 214928
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.8

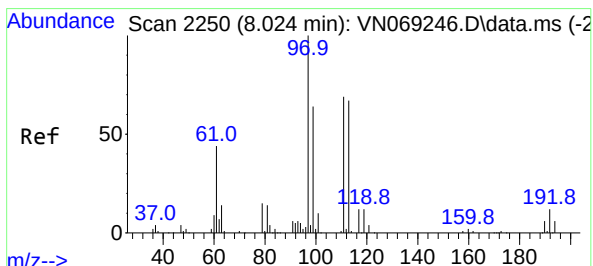
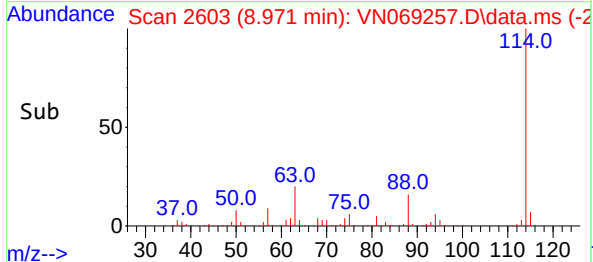
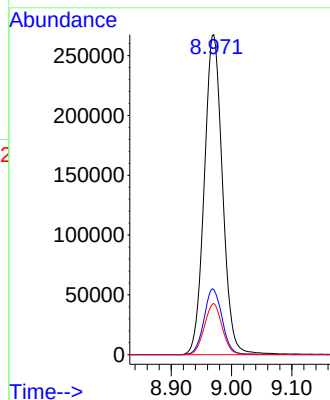
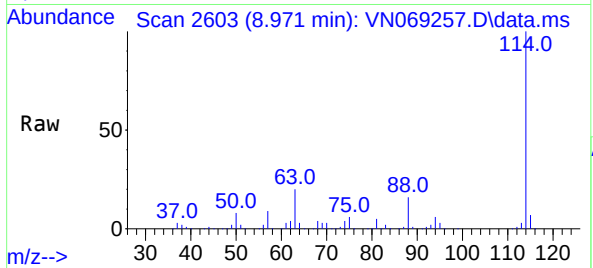




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

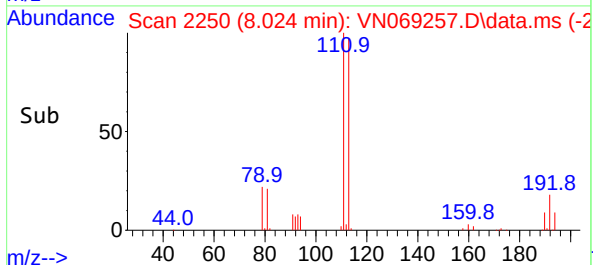
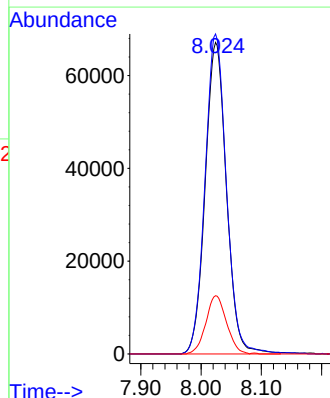
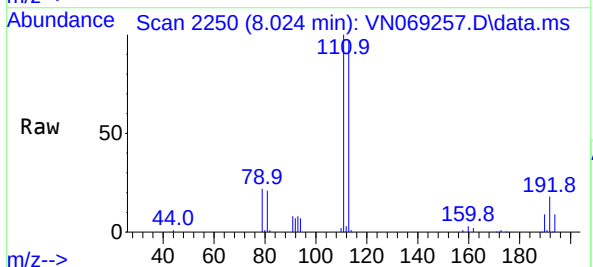
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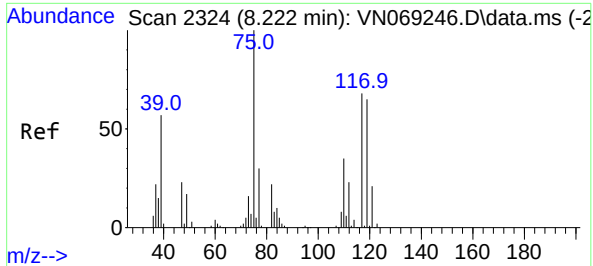
Tgt Ion:114 Resp: 562232
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.6
88 16.0 0.0 32.0



#35
Dibromofluoromethane
Concen: 46.971 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion:113 Resp: 164622
Ion Ratio Lower Upper
113 100
111 103.3 83.2 124.8
192 18.2 15.0 22.4

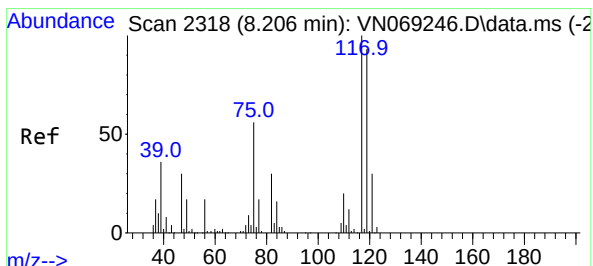
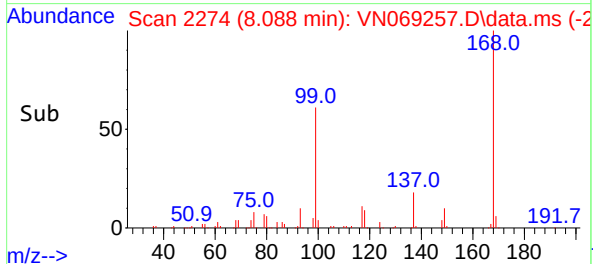
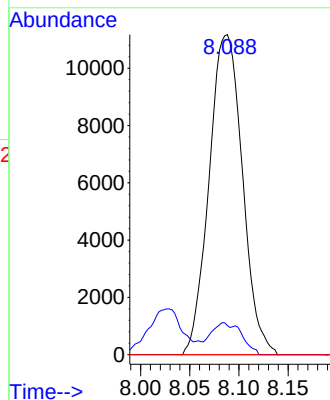
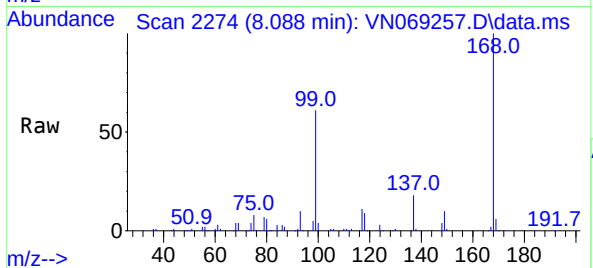




#36
1,1-Dichloropropene
Concen: 5.446 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.134 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

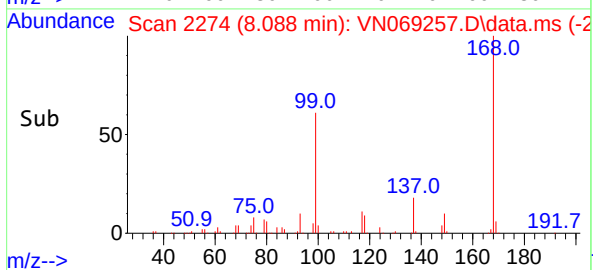
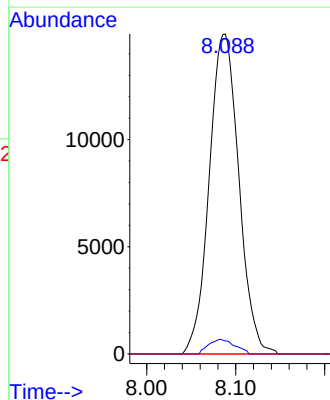
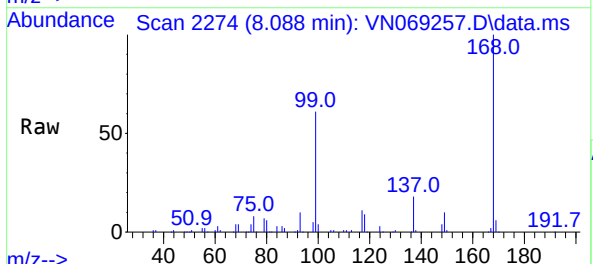
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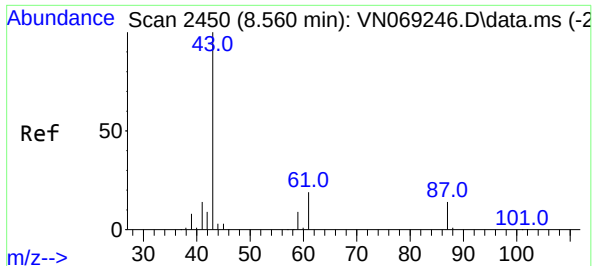
Tgt Ion: 75 Resp: 26396
Ion Ratio Lower Upper
75 100
110 2.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 7.135 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion: 117 Resp: 34467
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.480 ug/l

RT: 8.643 min Scan# 24

Delta R.T. 0.083 min

Lab File: VN069257.D

Acq: 28 Oct 2021 18:27

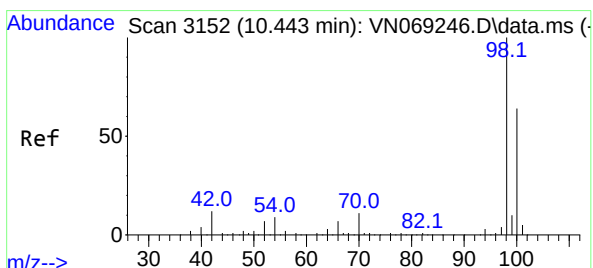
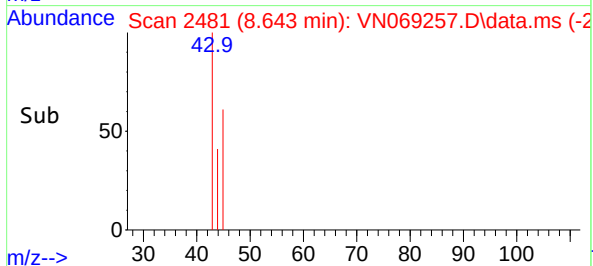
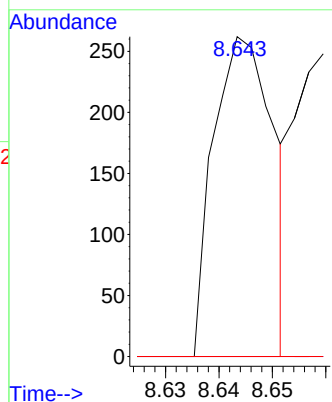
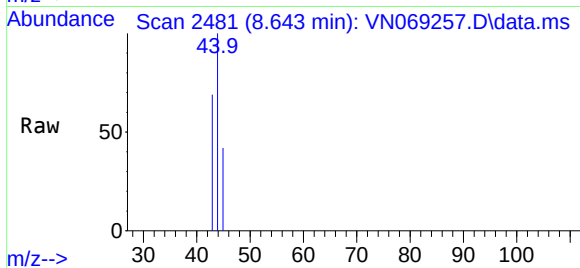
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-RW9-GW-298-300

Tgt Ion: 43	Resp:	204
Ion	Ratio	Lower Upper
43	100	
61	0.0	20.4 30.6#
87	0.0	10.7 16.1#



#50

Toluene-d8

Concen: 49.959 ug/l

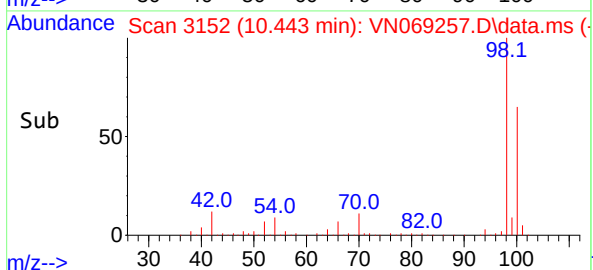
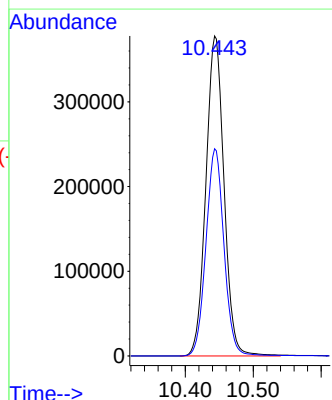
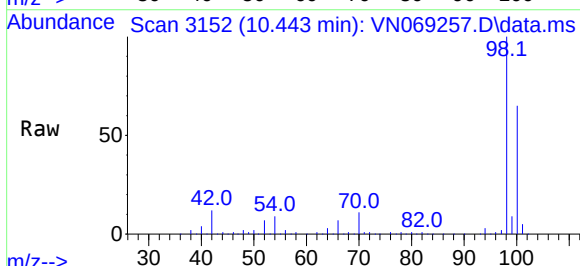
RT: 10.443 min Scan# 3152

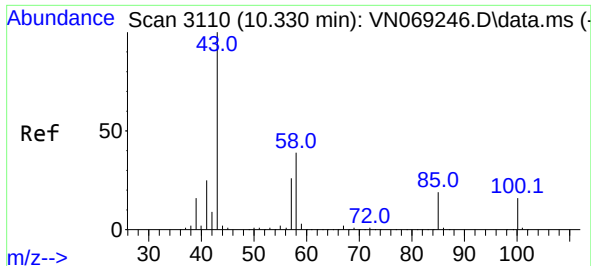
Delta R.T. 0.000 min

Lab File: VN069257.D

Acq: 28 Oct 2021 18:27

Tgt Ion: 98	Resp:	700085
Ion	Ratio	Lower Upper
98	100	
100	64.3	51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 6.474 ug/l

RT: 10.341 min Scan# 3114

Delta R.T. 0.011 min

Lab File: VN069257.D

Acq: 28 Oct 2021 18:27

Instrument :

MSVOA_N

ClientSampleId :

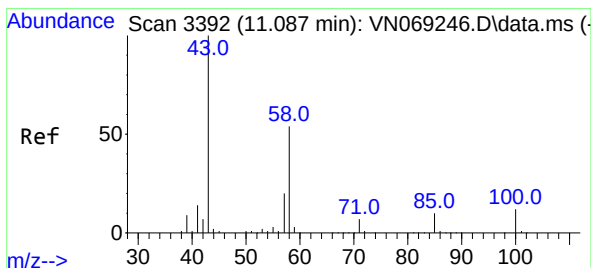
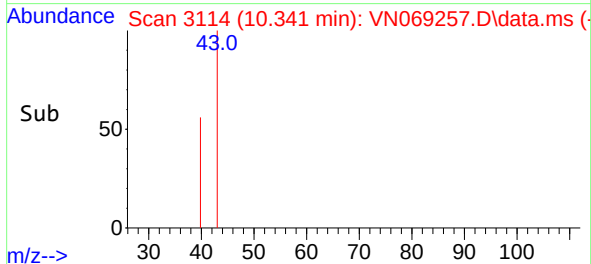
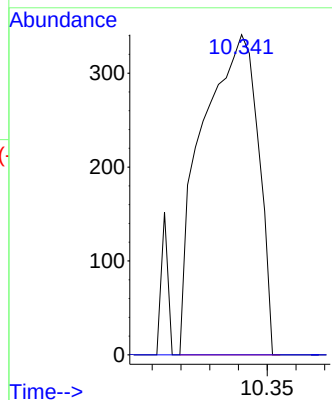
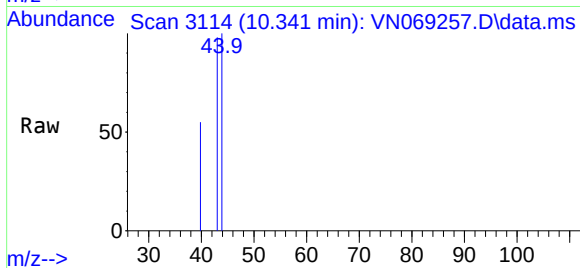
BP-VPB-RW9-GW-298-300

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.4#



#59

2-Hexanone

Concen: 8.132 ug/l

RT: 11.092 min Scan# 3394

Delta R.T. 0.005 min

Lab File: VN069257.D

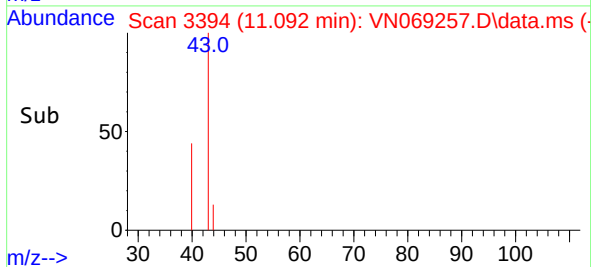
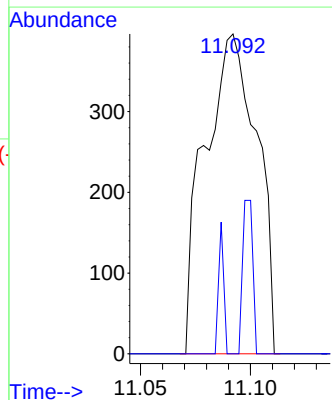
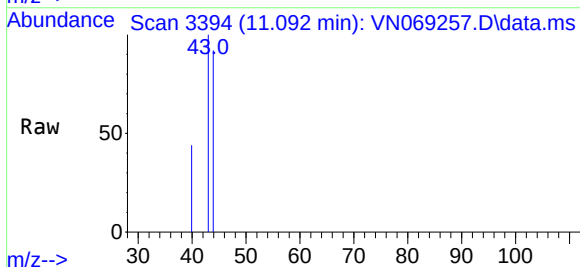
Acq: 28 Oct 2021 18:27

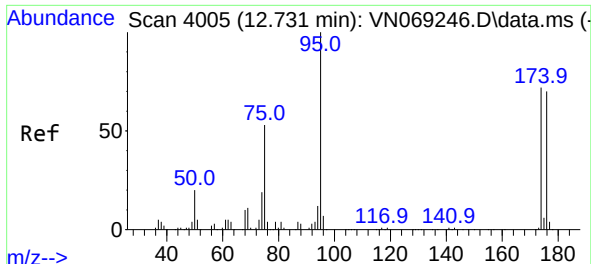
Tgt Ion: 43 Resp: 652

Ion Ratio Lower Upper

43 100

58 9.4 26.9 80.7#

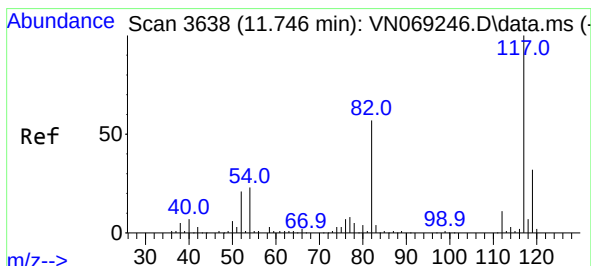
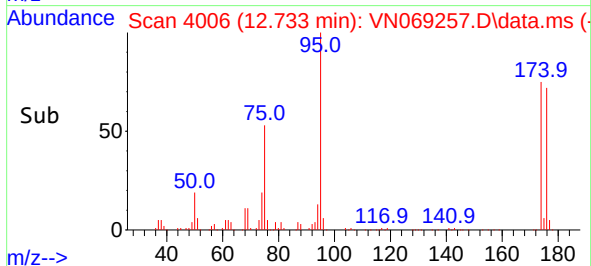
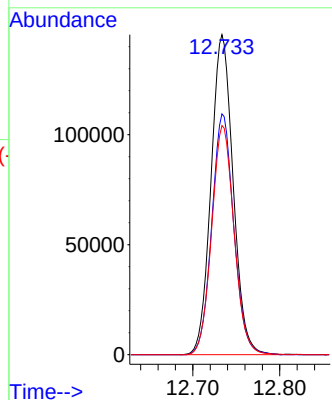
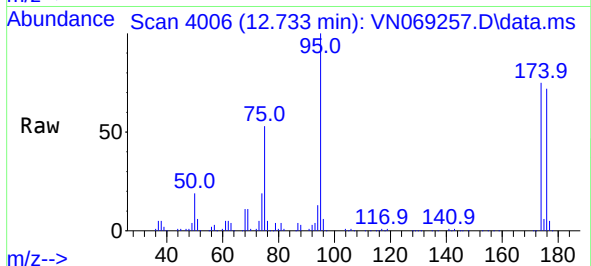




#62
4-Bromofluorobenzene
Concen: 48.518 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

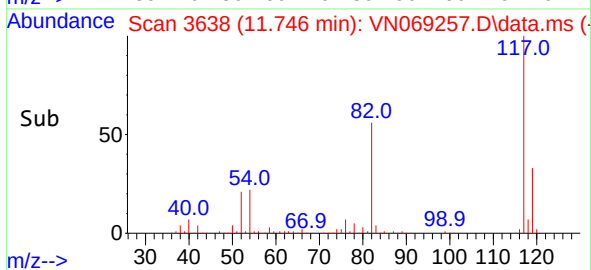
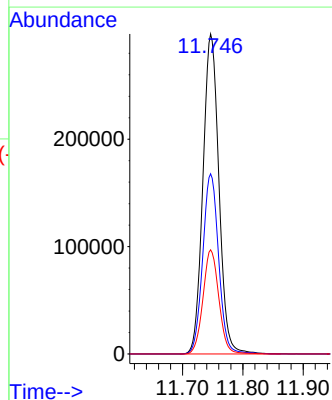
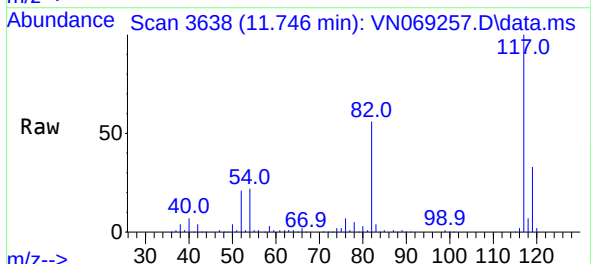
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

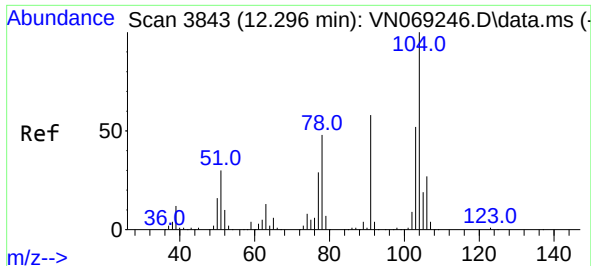
Tgt Ion: 95 Resp: 256555
Ion Ratio Lower Upper
95 100
174 75.0 0.0 144.8
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

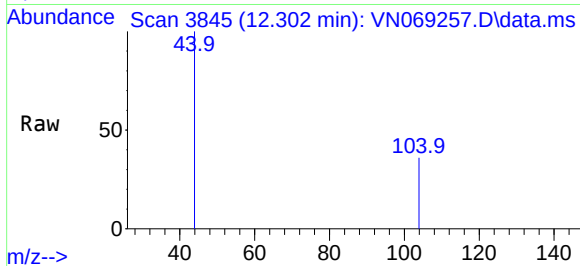
Tgt Ion: 117 Resp: 548797
Ion Ratio Lower Upper
117 100
82 56.3 46.4 69.6
119 32.6 26.0 39.0



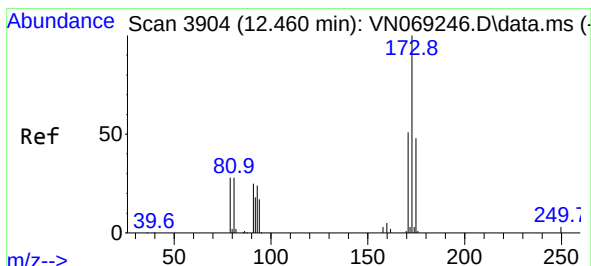
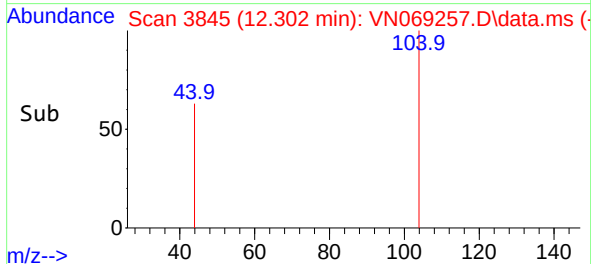
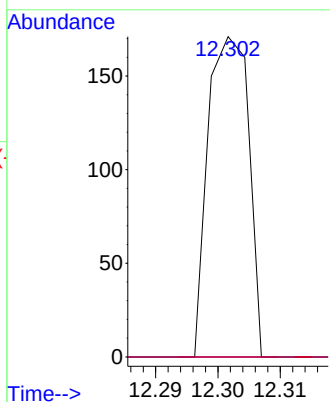


#70
Styrene
Concen: 1.462 ug/l
RT: 12.302 min Scan# 3999
Delta R.T. 0.006 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

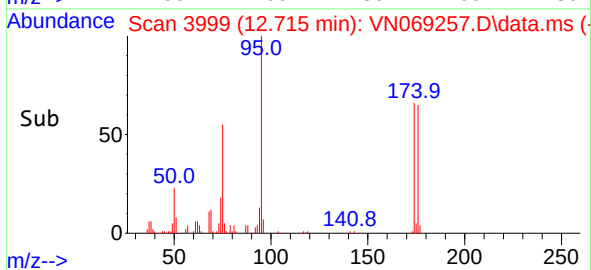
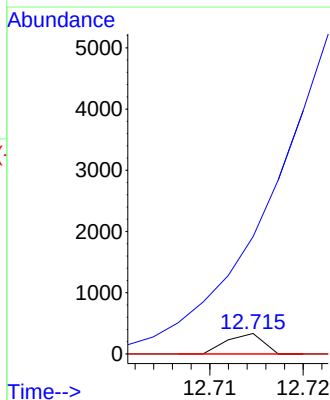
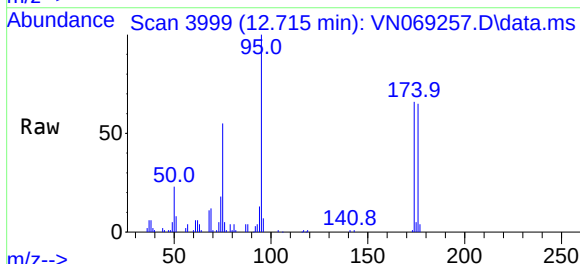


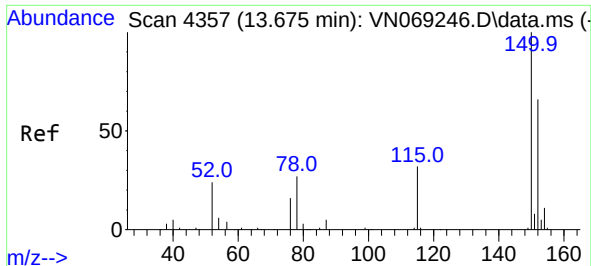
Tgt Ion:104 Resp: 77
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.898 ug/l
RT: 12.715 min Scan# 3999
Delta R.T. 0.255 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion:173 Resp: 91
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.5#
254 0.0 0.0 0.0

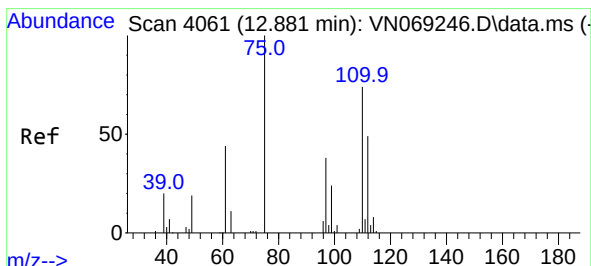
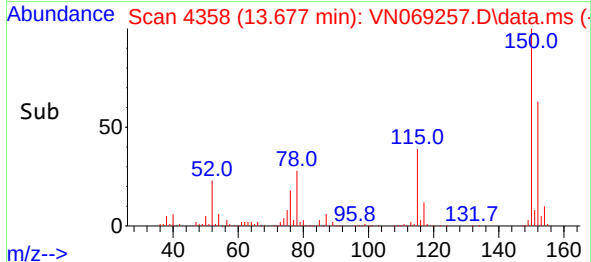
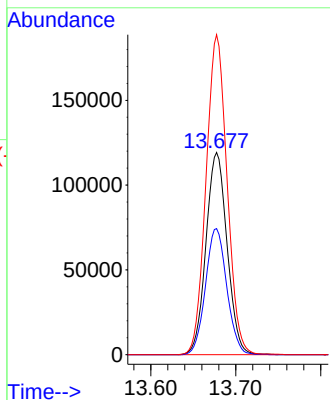
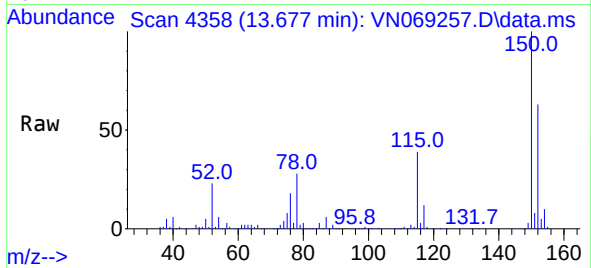




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.002 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

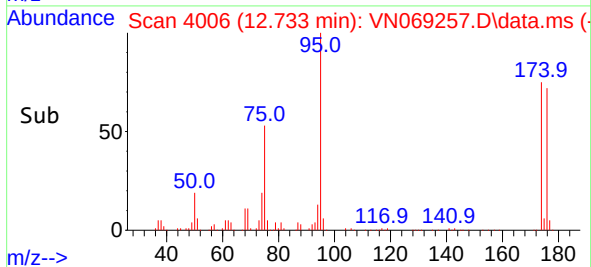
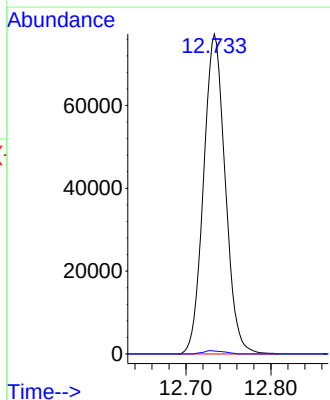
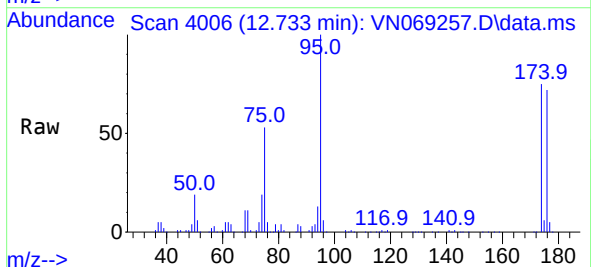
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

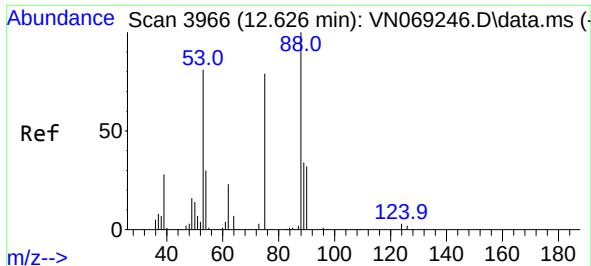
Tgt Ion:152 Resp: 206426
Ion Ratio Lower Upper
152 100
115 62.8 31.4 94.3
150 157.4 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.191 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion: 75 Resp: 136765
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

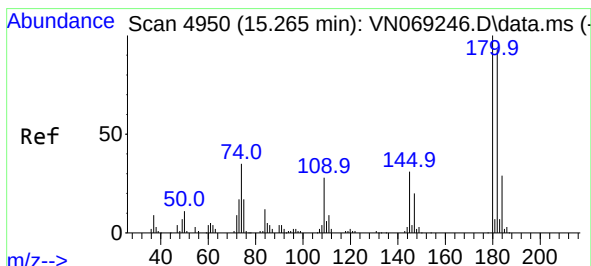
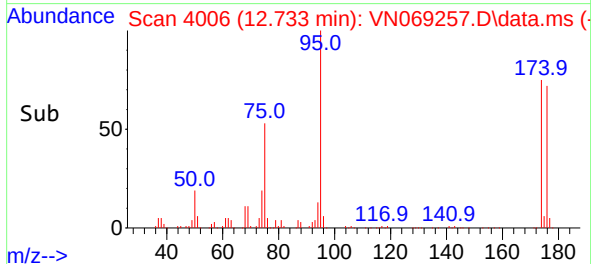
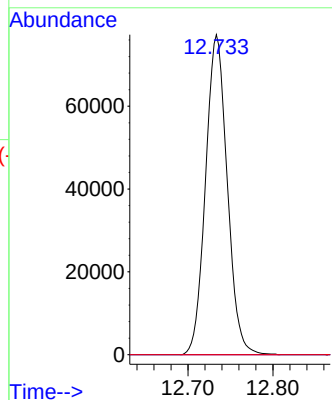
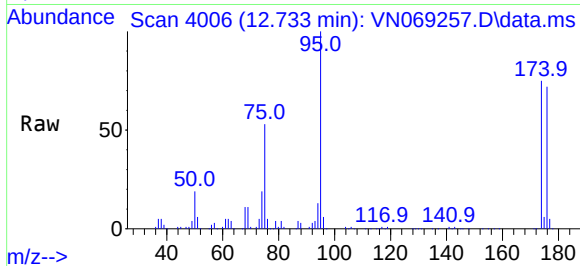




#81
trans-1,4-Dichloro-2-butene
Concen: 72.118 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

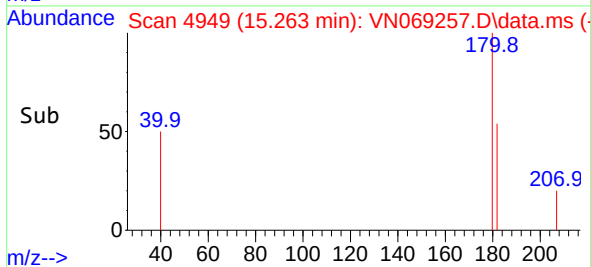
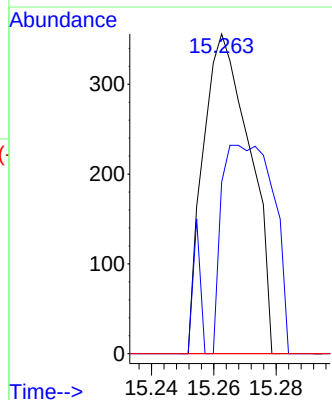
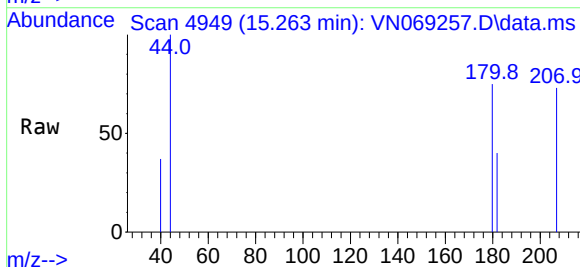
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

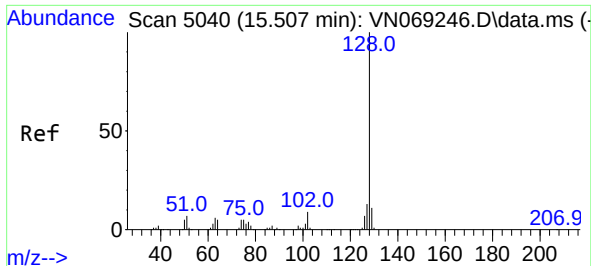
Tgt Ion: 75 Resp: 136765
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.593 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion:180 Resp: 372
Ion Ratio Lower Upper
180 100
182 72.0 47.9 143.7
145 0.0 16.4 49.2#

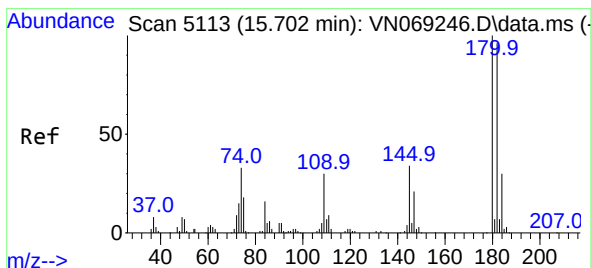
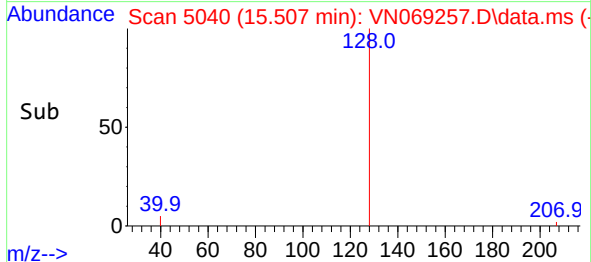
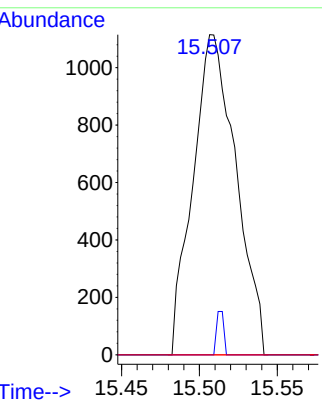
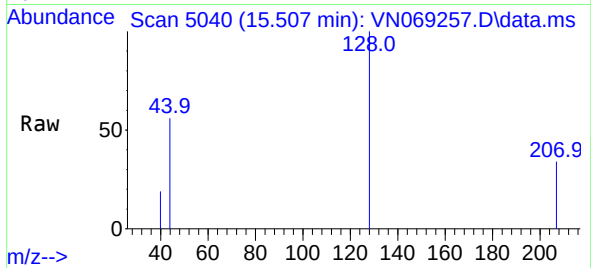




#95
Naphthalene
Concen: 3.502 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-298-300

Tgt Ion:	128	Resp:	2141
Ion	Ratio	Lower	Upper
128	100		
127	2.3	10.5	15.7#
129	0.0	8.9	13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.250 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.002 min
Lab File: VN069257.D
Acq: 28 Oct 2021 18:27

Tgt Ion:	180	Resp:	147
Ion	Ratio	Lower	Upper
180	100		
182	238.8	48.1	144.3#
145	0.0	17.4	52.2#

