

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069258.D
 Acq On : 28 Oct 2021 18:53
 Operator : JC/MD
 Sample : M4360-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW9-GW-318-320

Quant Time: Oct 28 19:11:45 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	309213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	540379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	523492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	203123	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	209181	46.864	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.720%
35) Dibromofluoromethane	8.024	113	161302	47.885	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.760%
50) Toluene-d8	10.443	98	673181	49.982	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.733	95	246088	48.420	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.840%

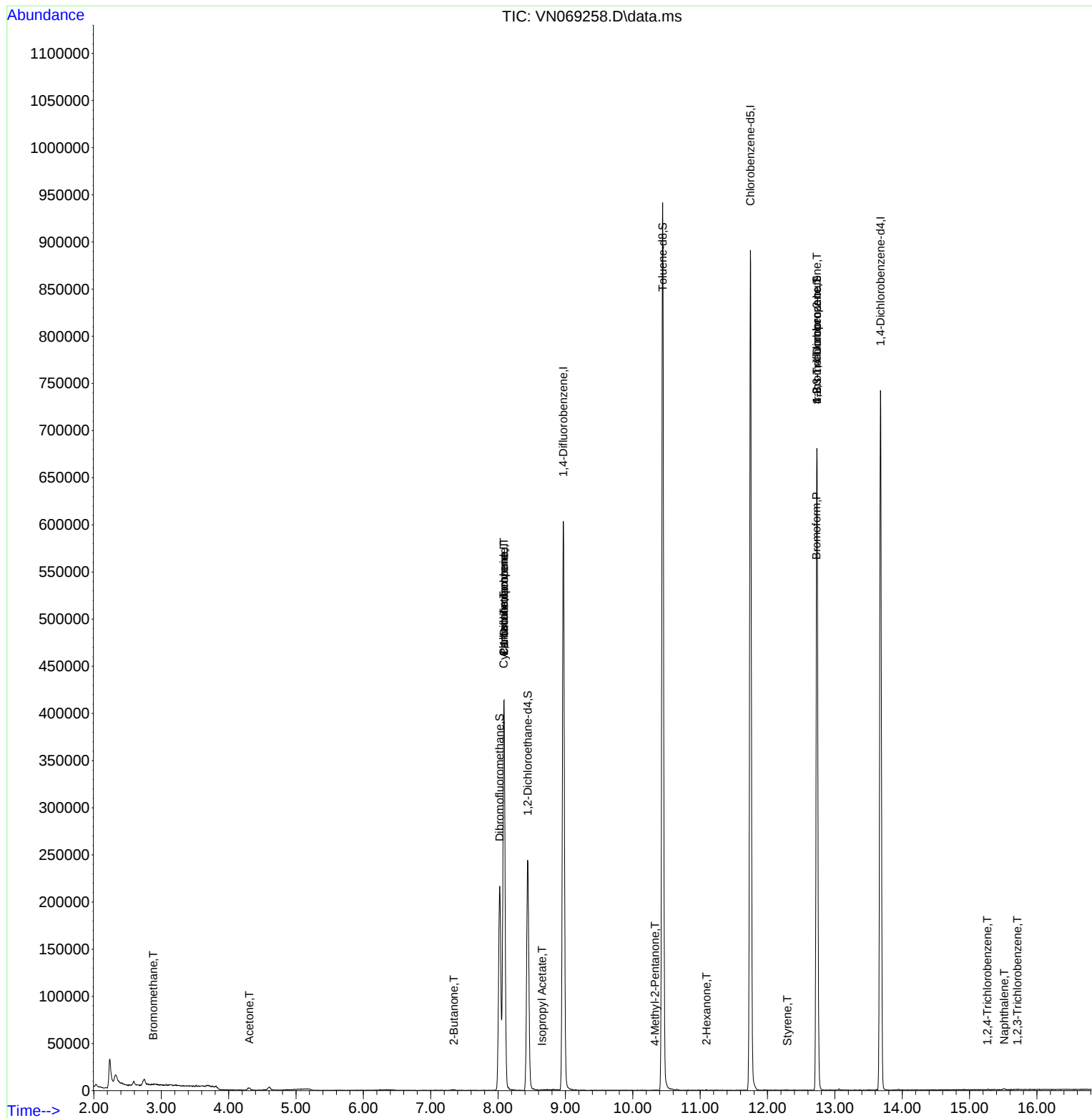
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.306	50	1313	Below Cal		95
5) Bromomethane	2.880	94	789	0.303	ug/l	82
16) Acetone	4.307	43	4831	2.540	ug/l	97
25) 2-Butanone	7.343	43	304	1.738	ug/l #	48
31) Cyclohexane	8.083	56	7065	1.183	ug/l #	10
36) 1,1-Dichloropropene	8.088	75	25490	5.472	ug/l #	50
38) Carbon Tetrachloride	8.086	117	32224	6.968	ug/l #	16
43) Isopropyl Acetate	8.651	43	383	0.500	ug/l #	55
51) 4-Methyl-2-Pentanone	10.330	43	210	6.436	ug/l #	36
59) 2-Hexanone	11.095	43	620	8.130	ug/l	71
70) Styrene	12.296	104	80	1.462	ug/l #	24
71) Bromoform	12.725	173	468	3.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	132150	24.736	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	132150	70.894	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.265	180	109	2.519	ug/l #	12
95) Naphthalene	15.515	128	1527	3.448	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	283	2.291	ug/l #	59

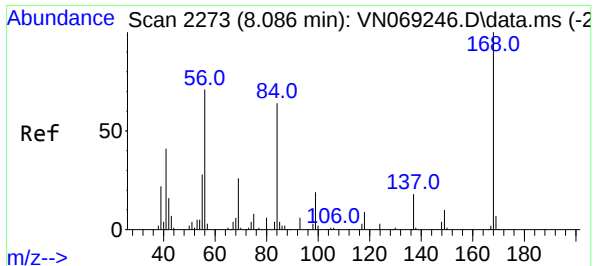
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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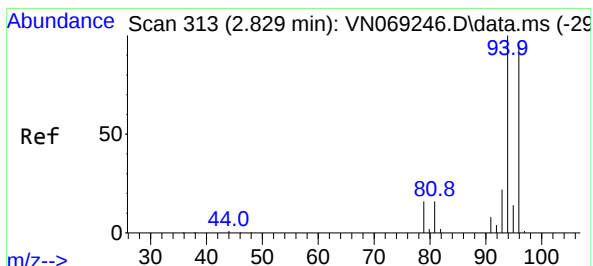
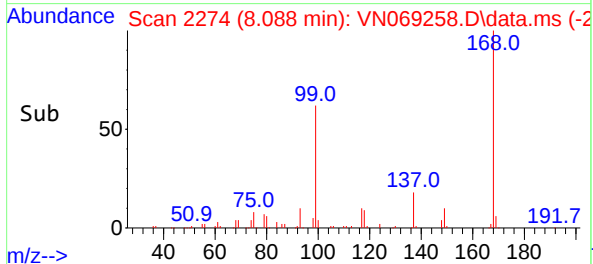
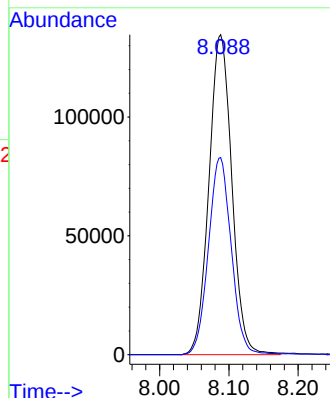
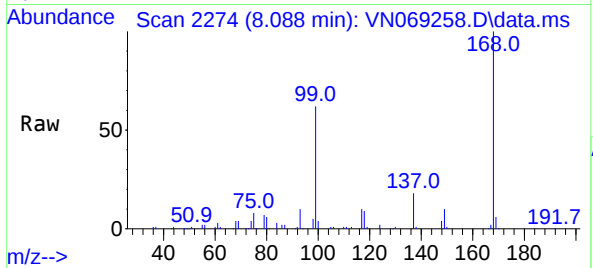




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

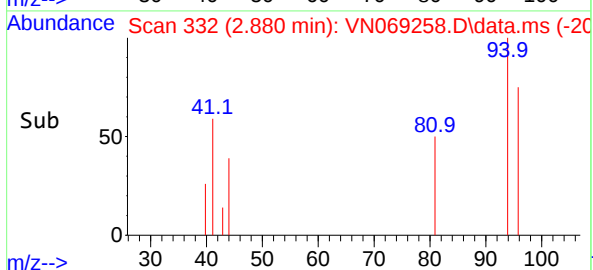
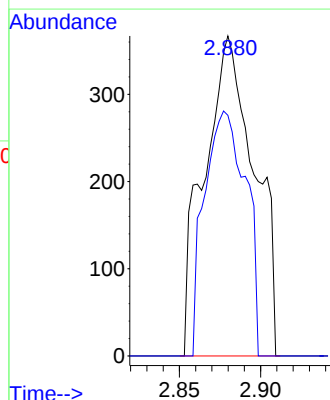
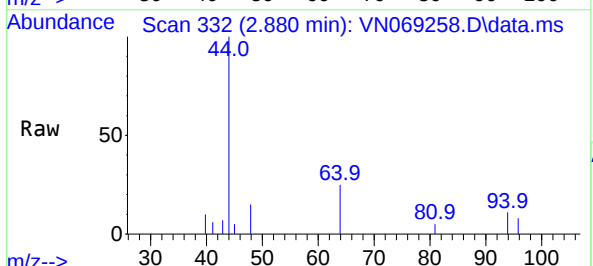
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

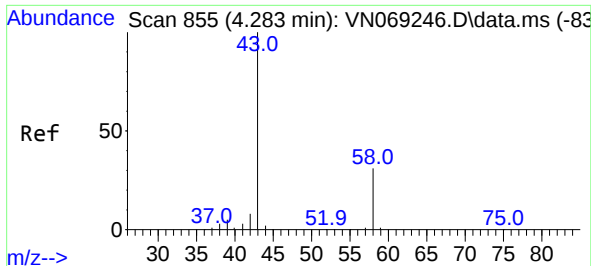
Tgt Ion:168 Resp: 309213
Ion Ratio Lower Upper
168 100
99 61.6 48.9 73.3



#5
Bromomethane
Concen: 0.303 ug/l
RT: 2.880 min Scan# 332
Delta R.T. 0.051 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 94 Resp: 789
Ion Ratio Lower Upper
94 100
96 75.2 74.2 111.4

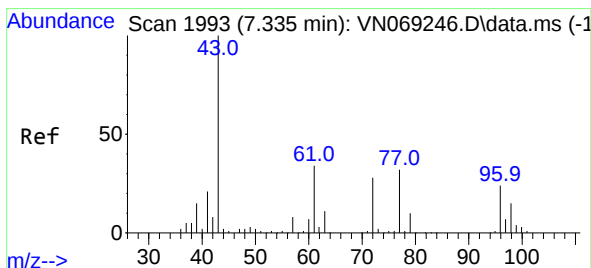
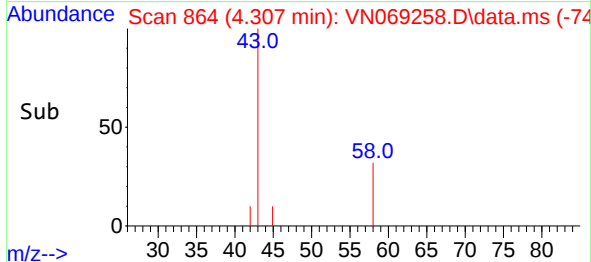
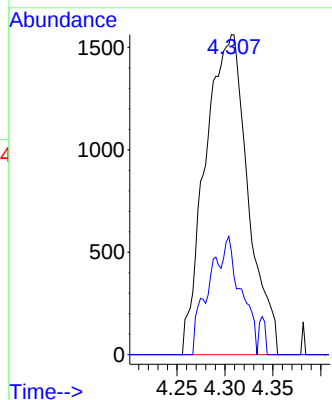
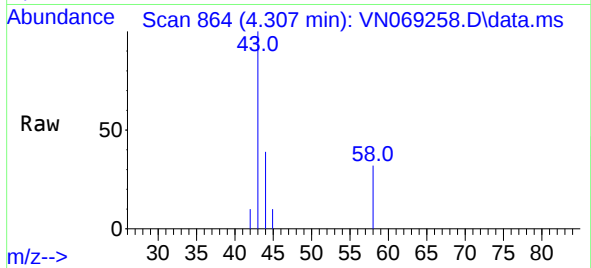




#16
Acetone
Concen: 2.540 ug/l
RT: 4.307 min Scan# 80
Delta R.T. 0.024 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

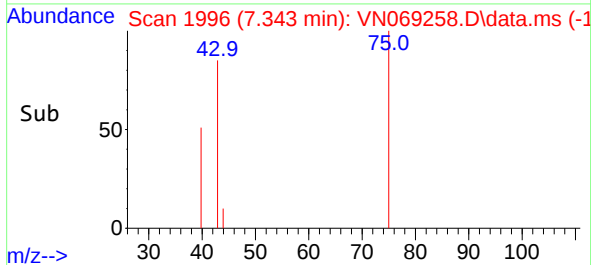
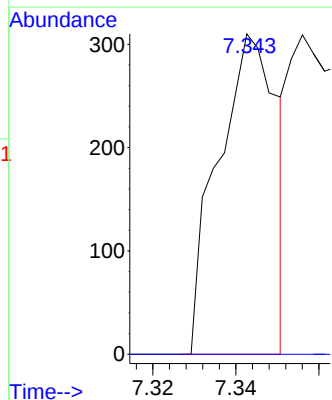
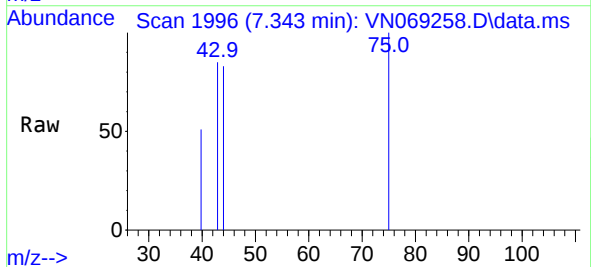
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

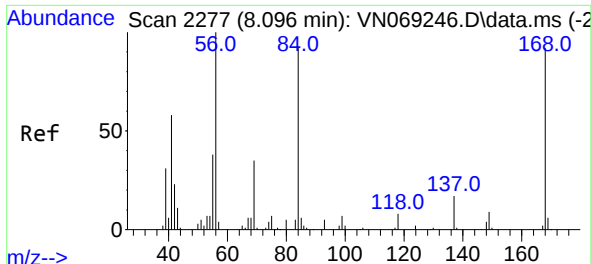
Tgt Ion: 43 Resp: 4831
Ion Ratio Lower Upper
43 100
58 32.2 24.5 36.7



#25
2-Butanone
Concen: 1.738 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

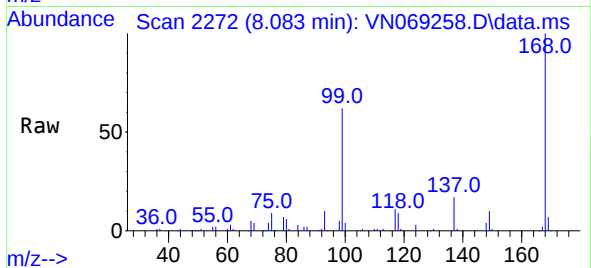
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



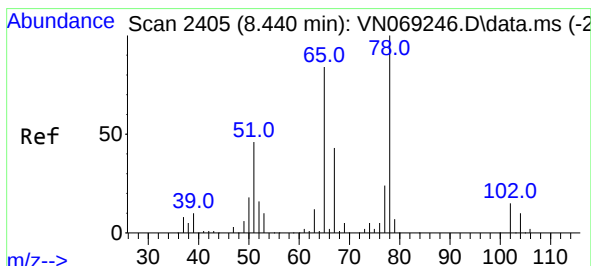
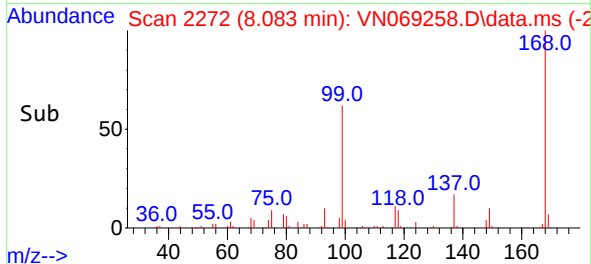
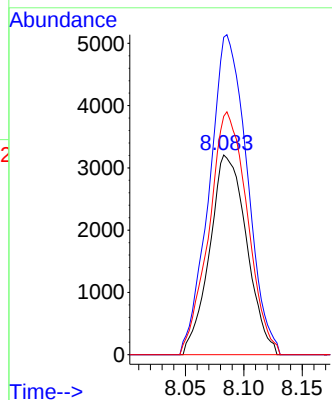


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.013 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

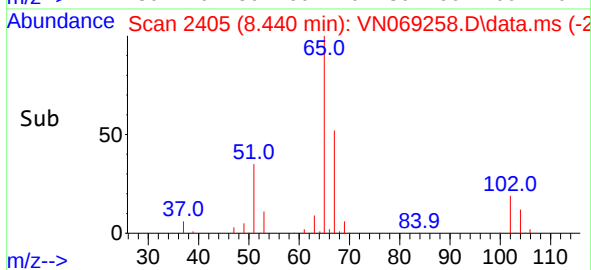
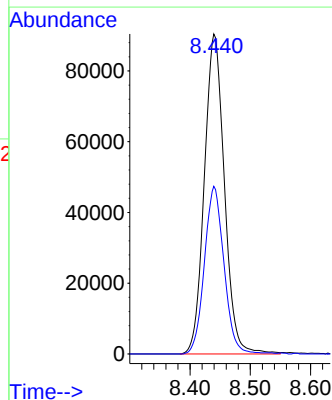
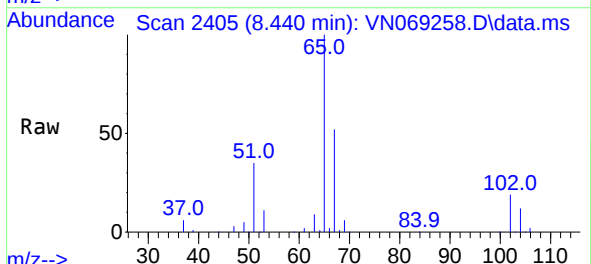


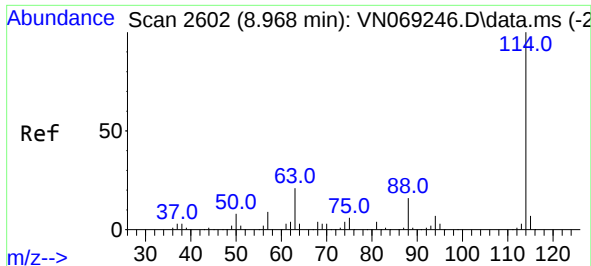
Tgt Ion: 56 Resp: 7065
Ion Ratio Lower Upper
56 100
69 159.0 26.9 40.3#
84 119.4 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 46.864 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 65 Resp: 209181
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.8

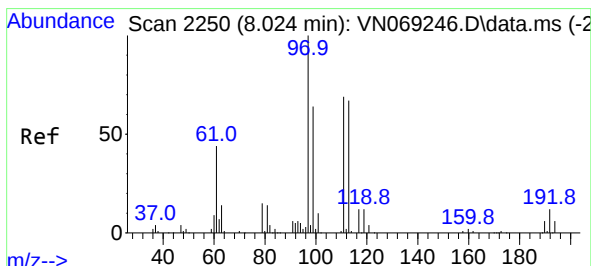
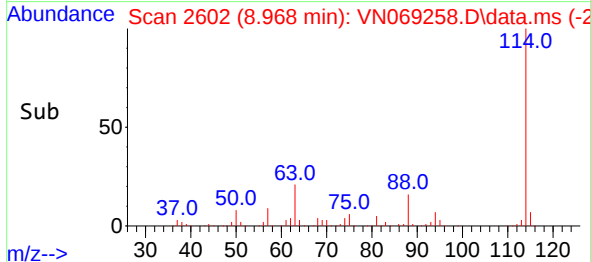
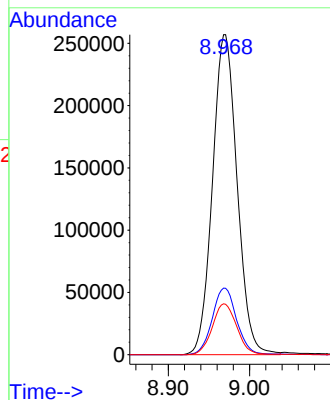
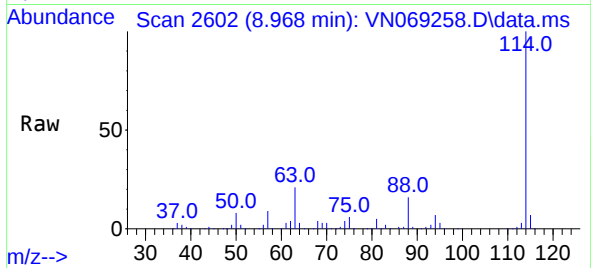




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

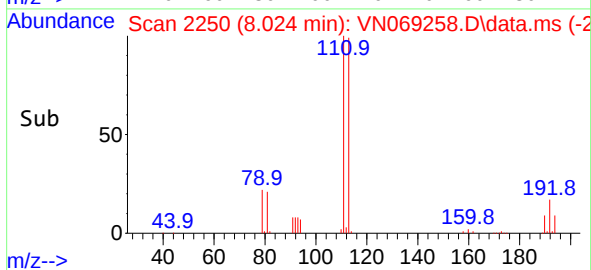
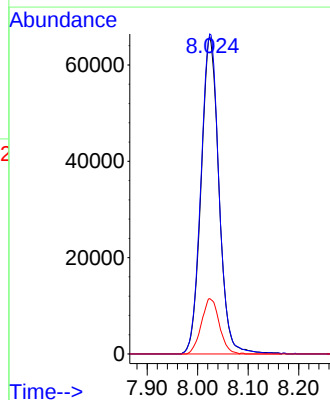
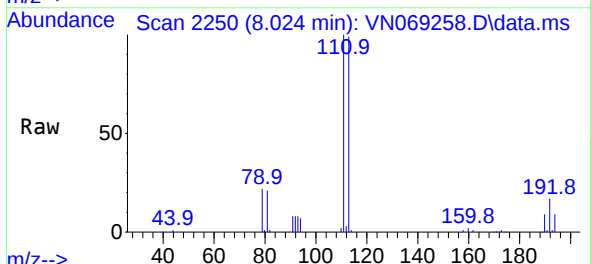
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

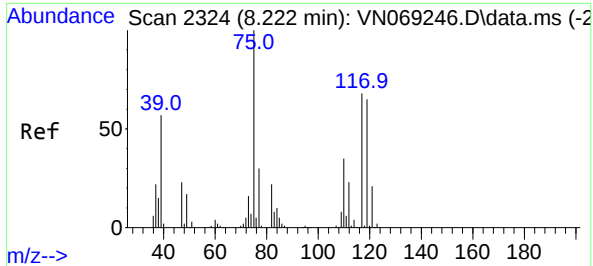
Tgt Ion:114 Resp: 540379
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 15.9 0.0 32.0



#35
Dibromofluoromethane
Concen: 47.885 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion:113 Resp: 161302
Ion Ratio Lower Upper
113 100
111 101.9 83.2 124.8
192 17.5 15.0 22.4

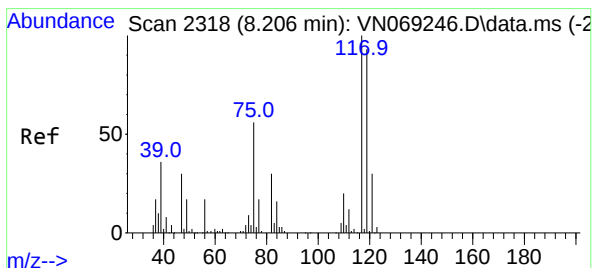
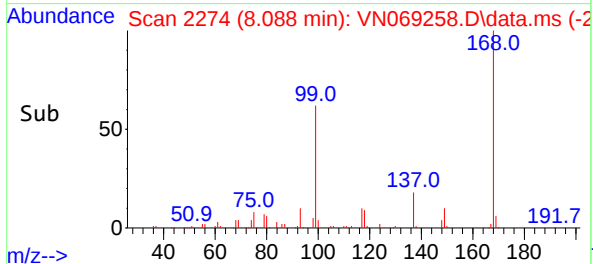
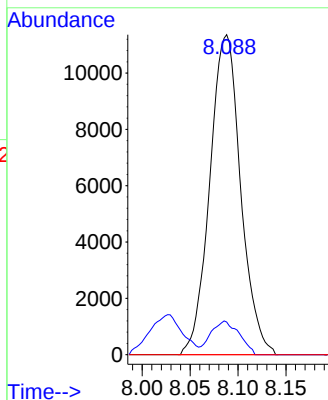
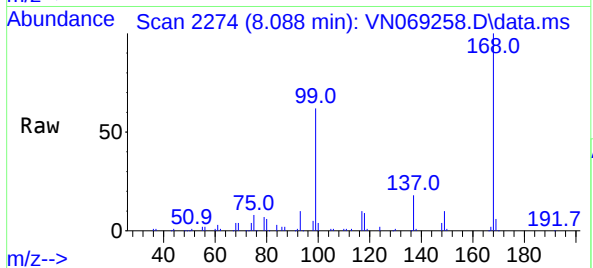




#36
1,1-Dichloropropene
Concen: 5.472 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

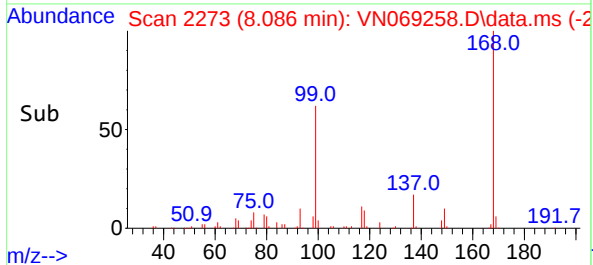
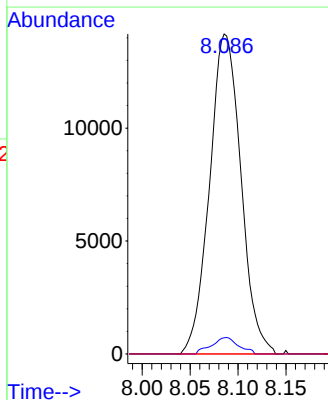
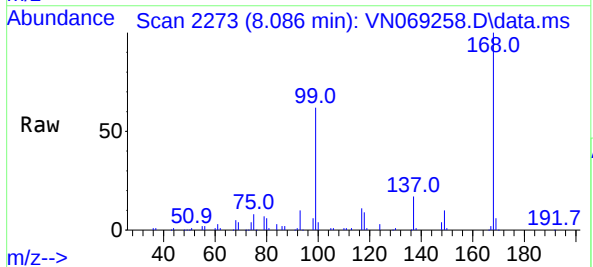
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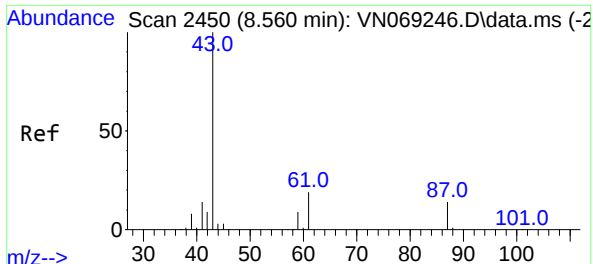
Tgt Ion: 75 Resp: 25490
Ion Ratio Lower Upper
75 100
110 9.8 17.9 53.8#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.968 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 117 Resp: 32224
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.6 37.0#

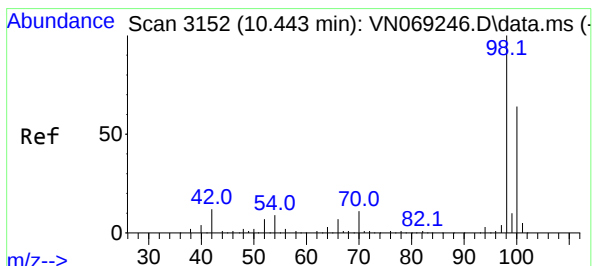
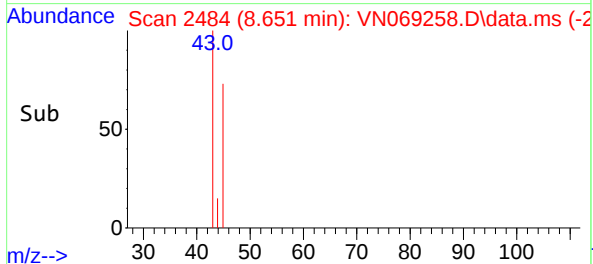
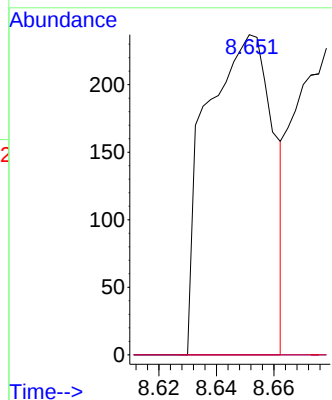
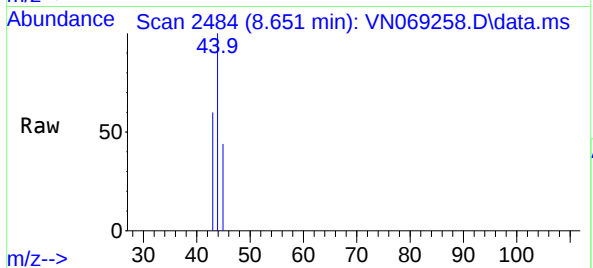




#43
Isopropyl Acetate
Concen: 0.500 ug/l
RT: 8.651 min Scan# 24
Delta R.T. 0.091 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

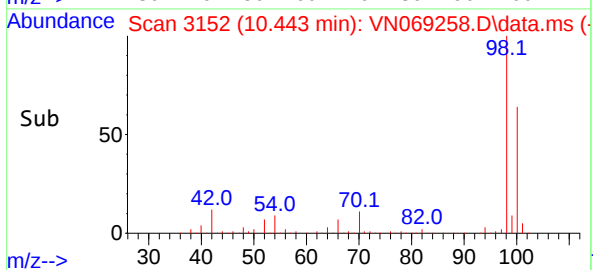
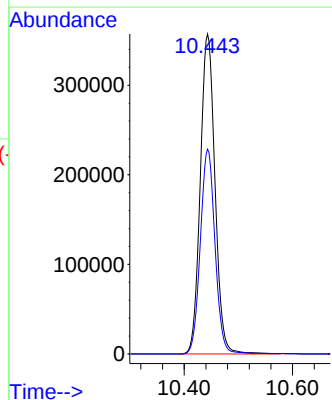
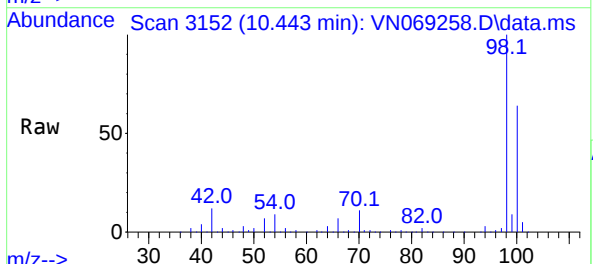
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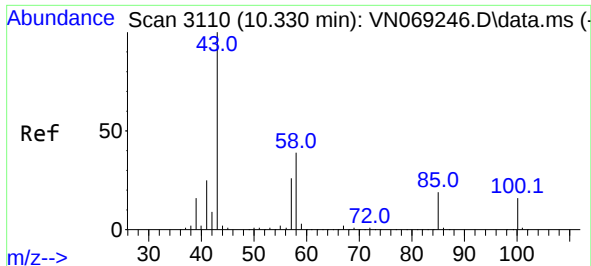
Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 49.982 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 98 Resp: 673181
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 6.436 ug/l

RT: 10.330 min Scan# 3110

Delta R.T. 0.000 min

Lab File: VN069258.D

Acq: 28 Oct 2021 18:53

Instrument :

MSVOA_N

ClientSampleId :

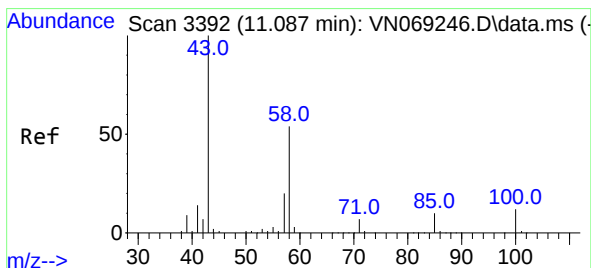
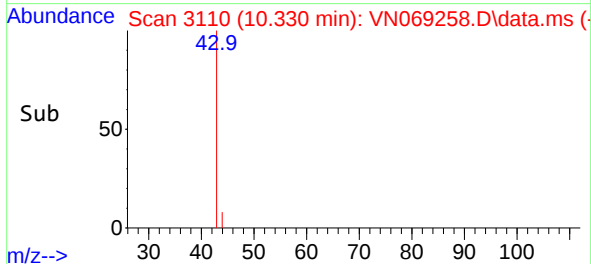
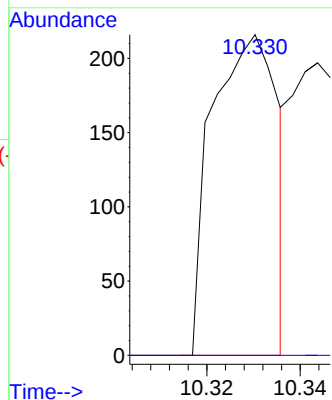
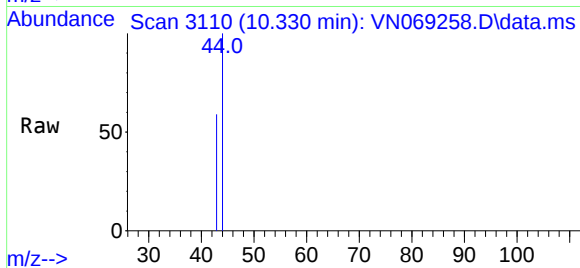
BP-VPB-RW9-GW-318-320

Tgt Ion: 43 Resp: 210

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.4#



#59

2-Hexanone

Concen: 8.130 ug/l

RT: 11.095 min Scan# 3395

Delta R.T. 0.008 min

Lab File: VN069258.D

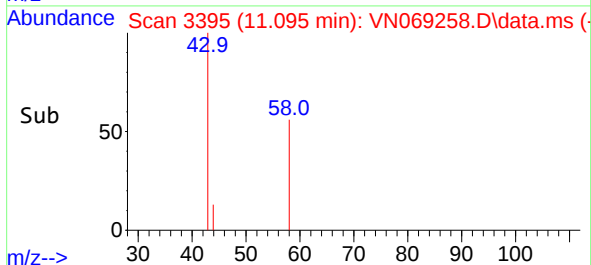
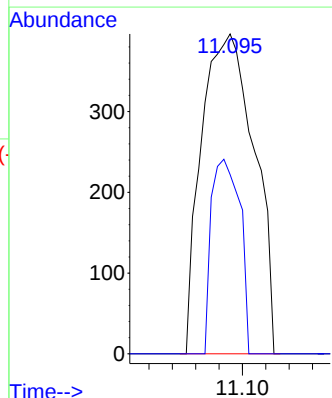
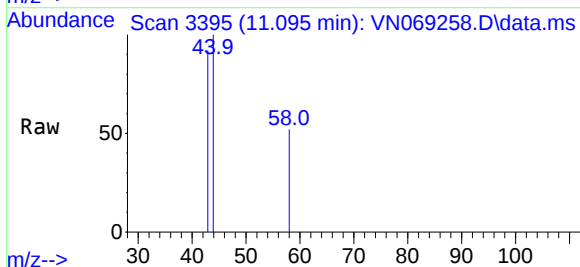
Acq: 28 Oct 2021 18:53

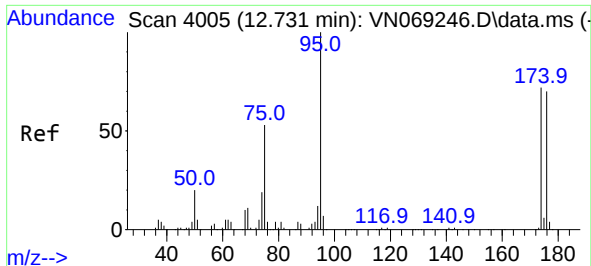
Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 32.9 26.9 80.7

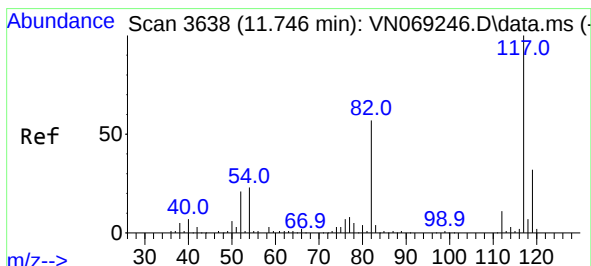
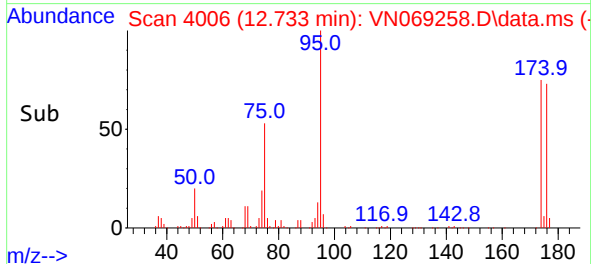
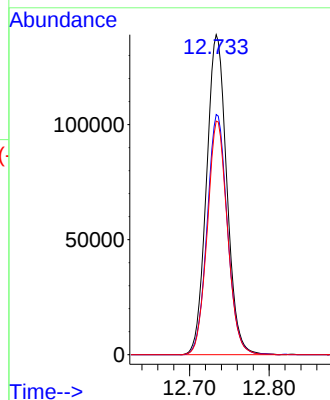
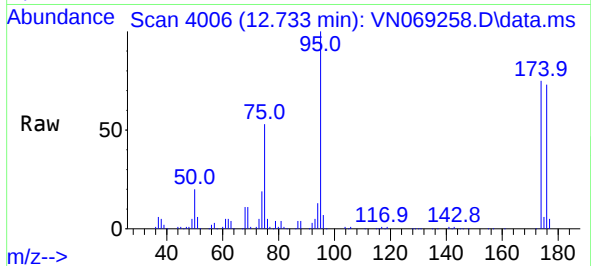




#62
4-Bromofluorobenzene
Concen: 48.420 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

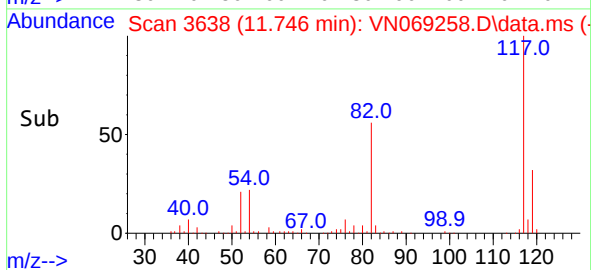
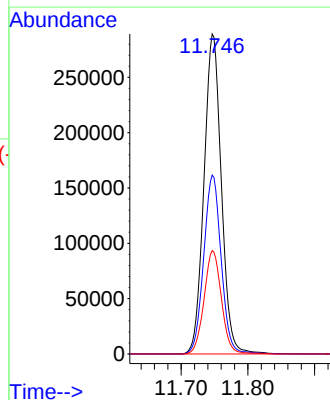
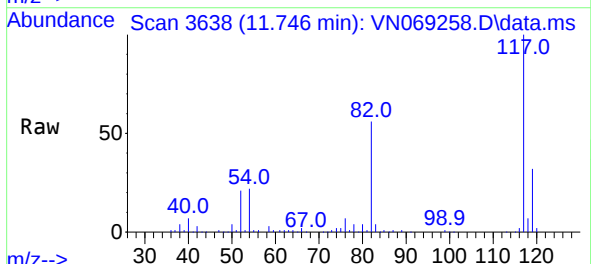
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

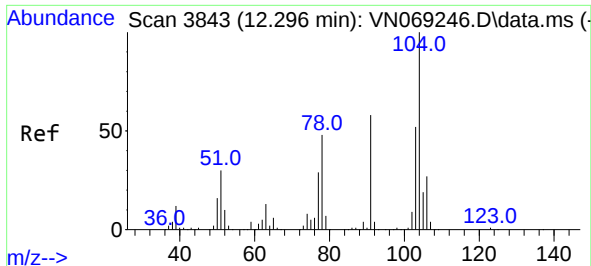
Tgt Ion: 95 Resp: 246088
Ion Ratio Lower Upper
95 100
174 75.1 0.0 144.8
176 72.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 117 Resp: 523492
Ion Ratio Lower Upper
117 100
82 55.9 46.4 69.6
119 32.3 26.0 39.0

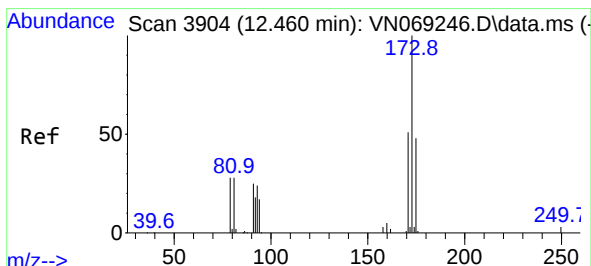
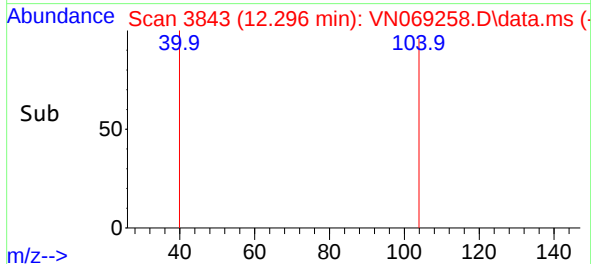
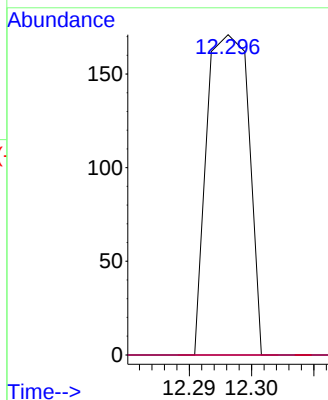
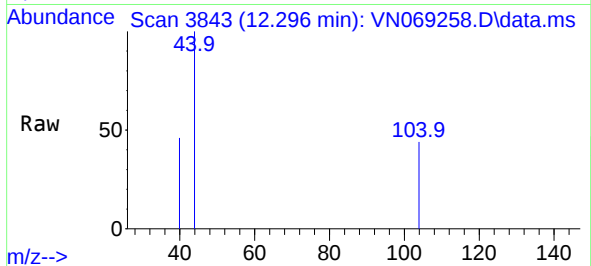




#70
Styrene
Concen: 1.462 ug/l
RT: 12.296 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

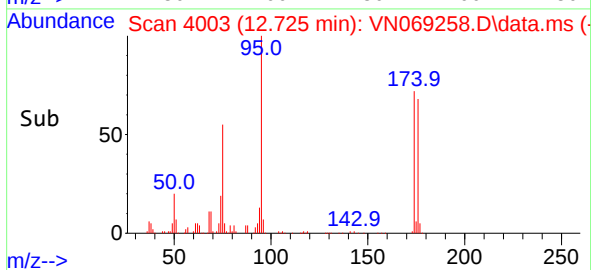
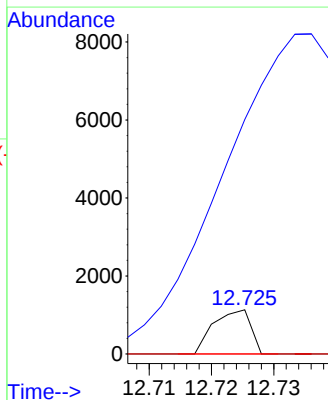
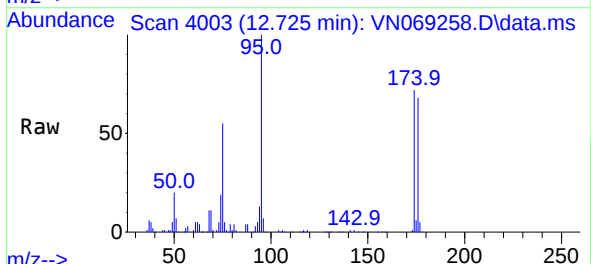
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

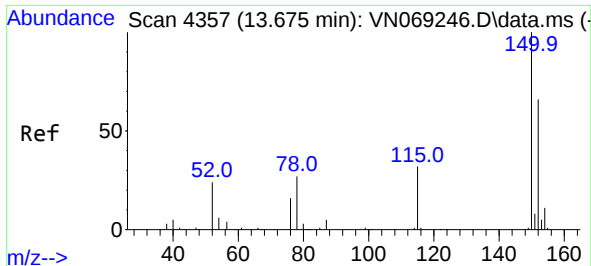
Tgt Ion:104 Resp: 80
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 3.009 ug/l
RT: 12.725 min Scan# 4003
Delta R.T. 0.265 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion:173 Resp: 468
Ion Ratio Lower Upper
173 100
175 2773.9 23.8 71.5#
254 0.0 0.0 0.0

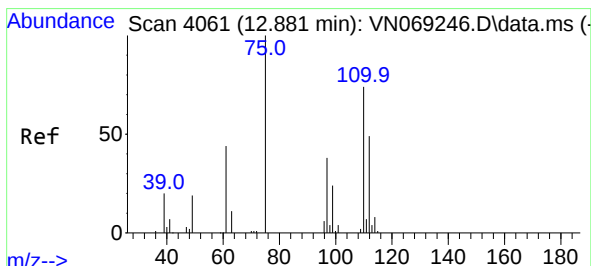
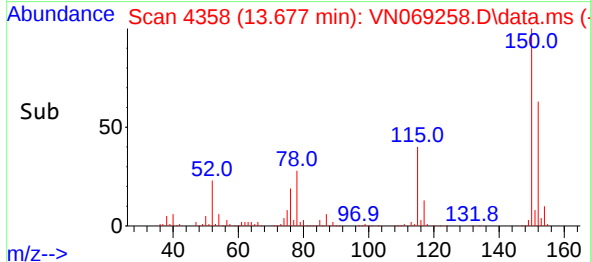
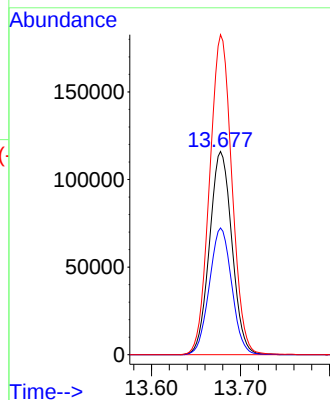
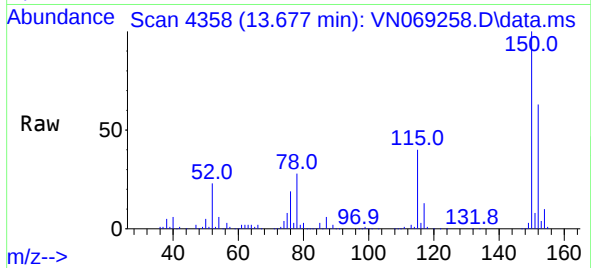




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.002 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

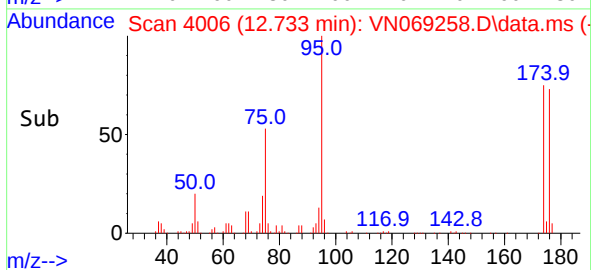
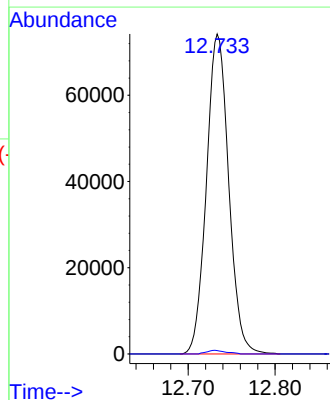
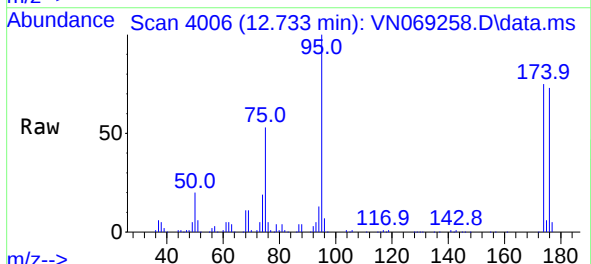
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

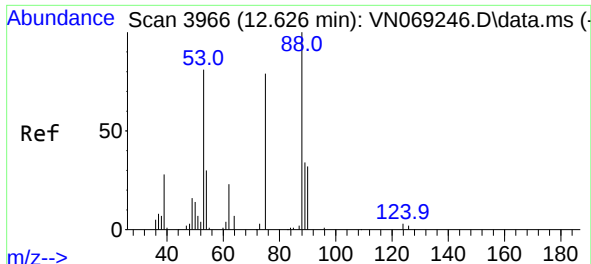
Tgt Ion:152 Resp: 203123
Ion Ratio Lower Upper
152 100
115 62.3 31.4 94.3
150 156.7 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 24.736 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion: 75 Resp: 132150
Ion Ratio Lower Upper
75 100
77 1.0 96.2 288.4#

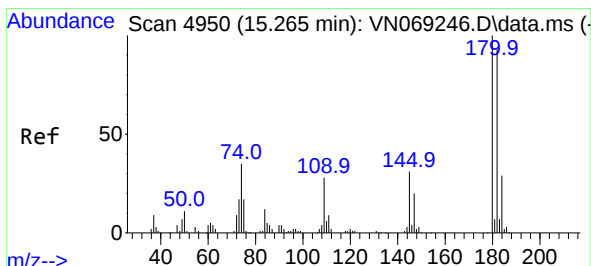
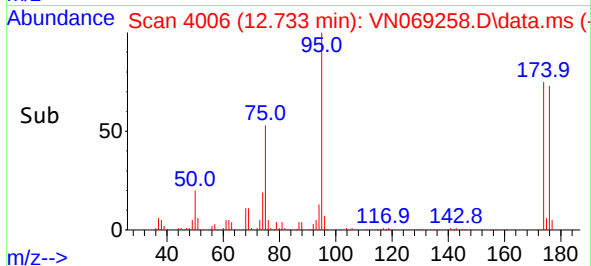
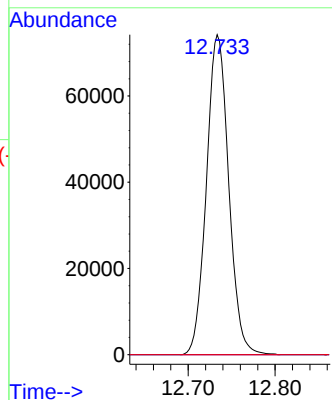
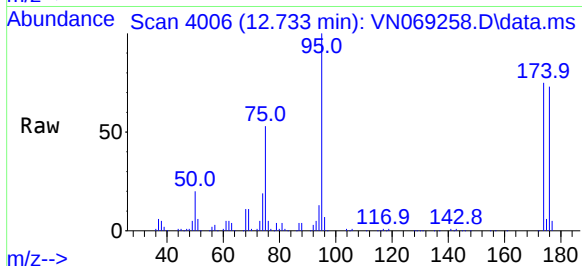




#81
trans-1,4-Dichloro-2-butene
Concen: 70.894 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

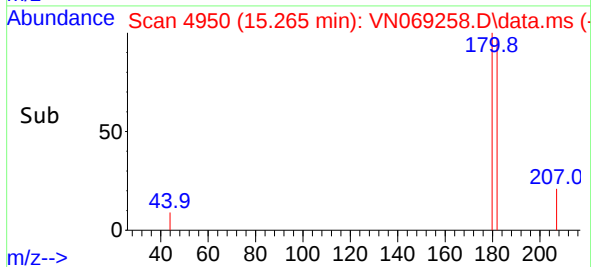
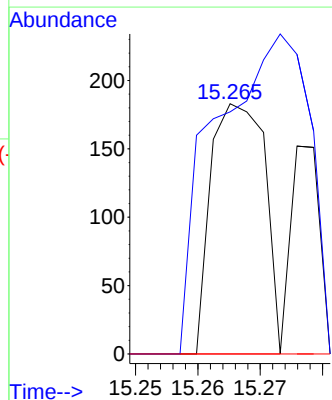
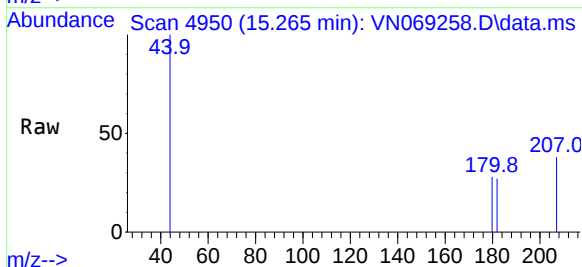
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

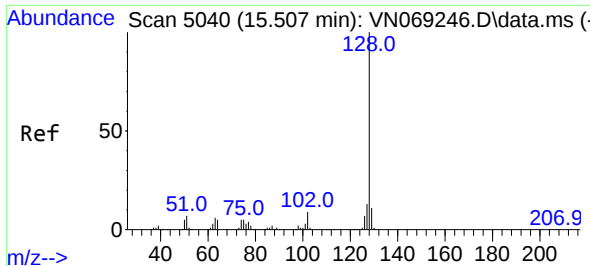
Tgt Ion: 75 Resp: 132150
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.519 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion:180 Resp: 109
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.7#
145 0.0 16.4 49.2#

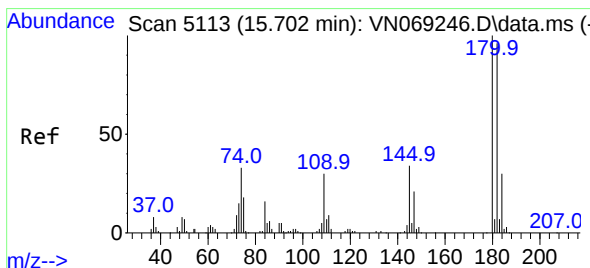
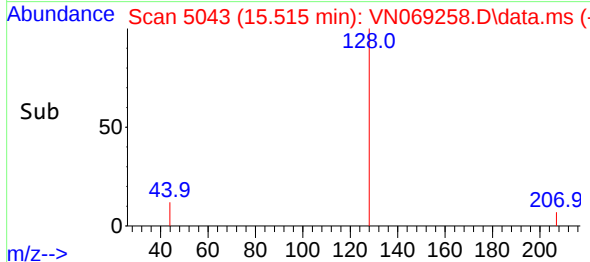
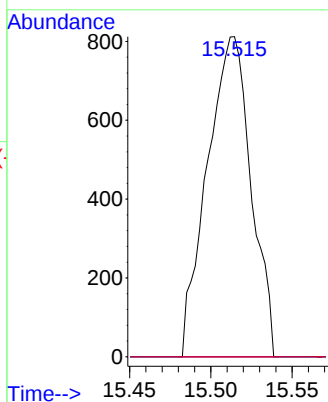
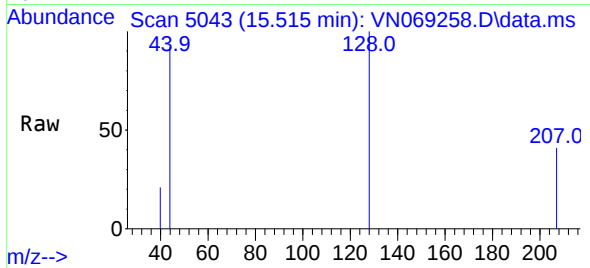




#95
Naphthalene
Concen: 3.448 ug/l
RT: 15.515 min Scan# 5115
Delta R.T. 0.008 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-318-320

Tgt Ion:128 Resp: 1527
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.291 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN069258.D
Acq: 28 Oct 2021 18:53

Tgt Ion:180 Resp: 283
Ion Ratio Lower Upper
180 100
182 62.9 48.1 144.3
145 0.0 17.4 52.2#

