

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102821\
 Data File : VN069256.D
 Acq On : 28 Oct 2021 18:02
 Operator : JC/MD
 Sample : M4360-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW9-GW-278-280

Quant Time: Oct 28 19:09:55 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)

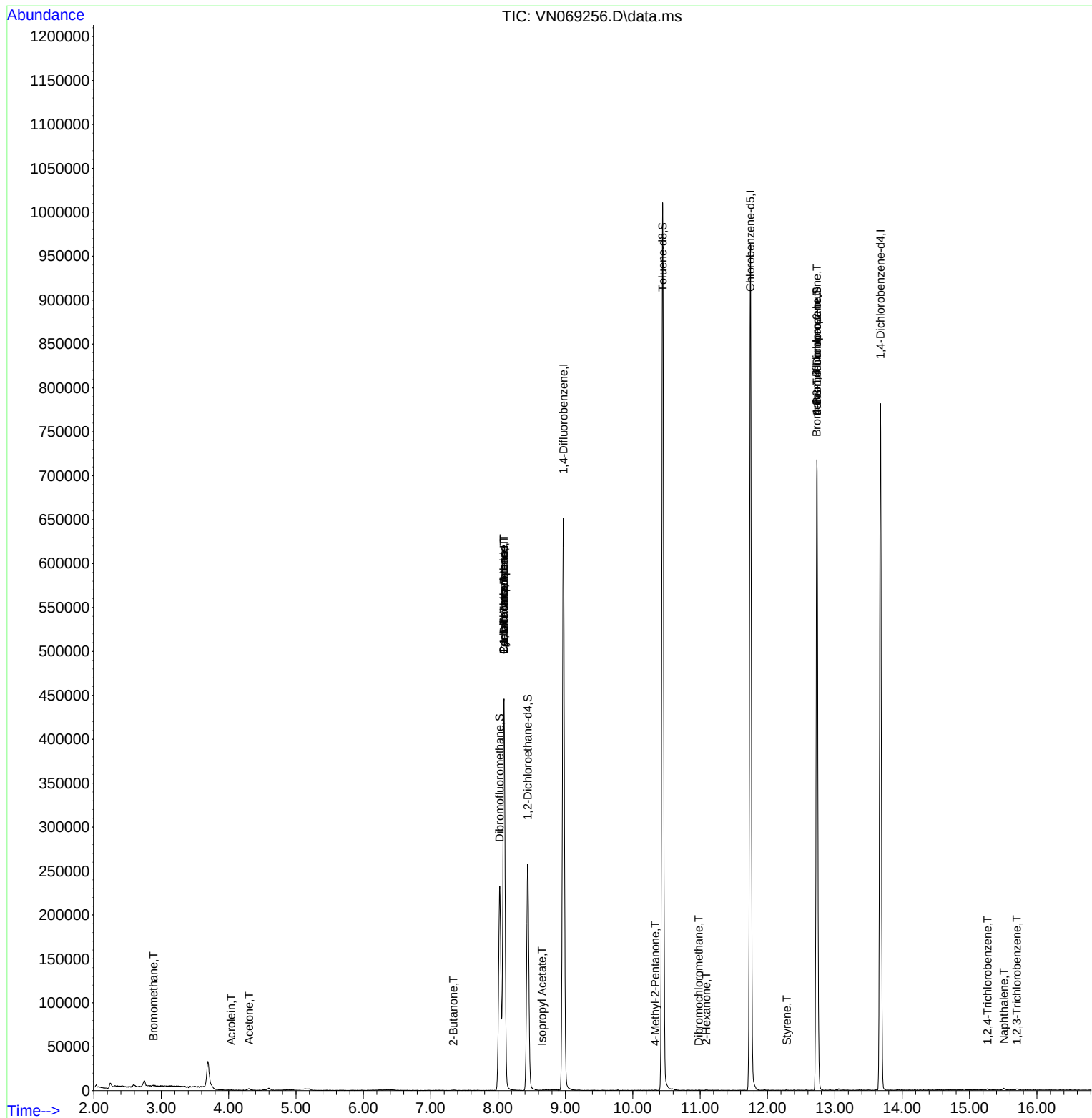
Internal Standards						
1) Pentafluorobenzene	8.088	168	331206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	570662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	210598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	221497	46.328	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.660%
35) Dibromofluoromethane	8.024	113	169556	46.505	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.000%
50) Toluene-d8	10.443	98	731380	50.171	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.340%
62) 4-Bromofluorobenzene	12.733	95	261591	47.554	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	565	Below Cal		94
5) Bromomethane	2.882	94	898	0.322	ug/l #	73
13) Acrolein	4.038	56	82	0.389	ug/l #	13
16) Acetone	4.304	43	3179	1.561	ug/l #	86
25) 2-Butanone	7.337	43	109	1.669	ug/l #	48
31) Cyclohexane	8.088	56	7842	1.226	ug/l #	3
32) 1,1,1-Trichloroethane	8.088	97	57	0.883	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	27565	5.467	ug/l #	50
38) Carbon Tetrachloride	8.088	117	35293	7.039	ug/l #	15
43) Isopropyl Acetate	8.654	43	382	0.497	ug/l #	55
51) 4-Methyl-2-Pentanone	10.336	43	420	6.465	ug/l #	36
59) 2-Hexanone	11.092	43	683	8.133	ug/l	97
60) Dibromochloromethane	10.979	129	28	1.981	ug/l #	10
70) Styrene	12.288	104	123	1.465	ug/l #	24
71) Bromoform	12.731	173	1335	3.229	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	139611	25.205	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	139611	72.158	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.268	180	540	2.637	ug/l #	65
95) Naphthalene	15.509	128	2392	3.520	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.702	180	605	2.380	ug/l #	65

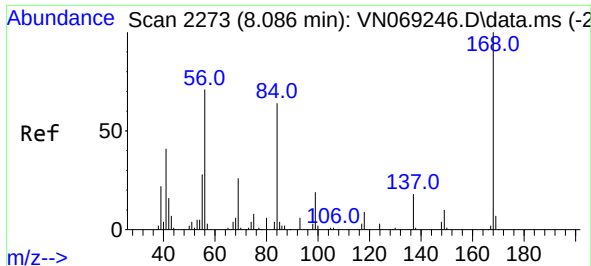
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 28 16:09:15 2021
Response via : Initial Calibration

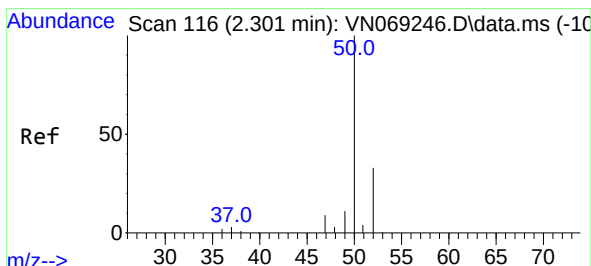
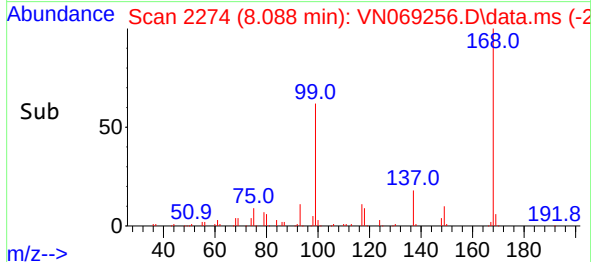
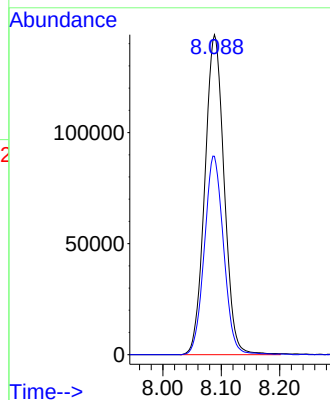
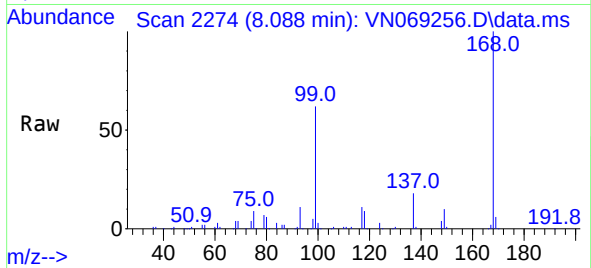




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

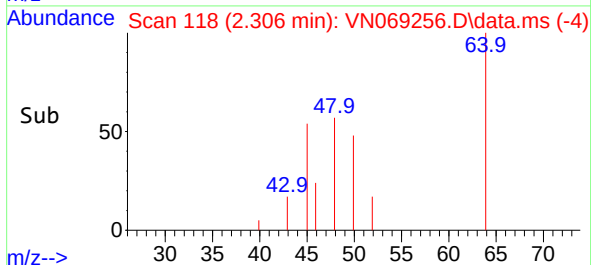
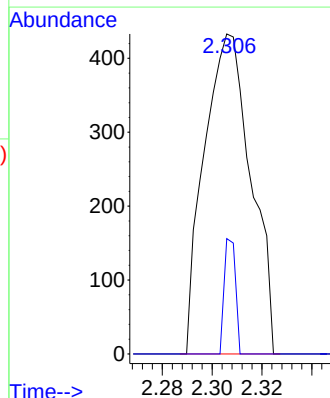
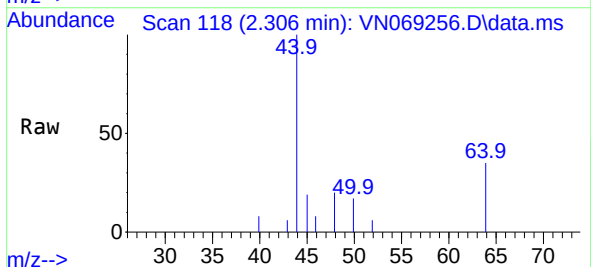
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

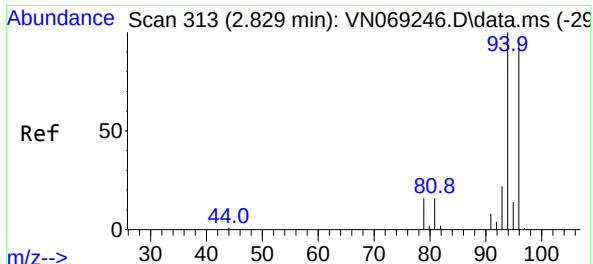
Tgt Ion:168 Resp: 331206
Ion Ratio Lower Upper
168 100
99 62.0 48.9 73.3



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 50 Resp: 565
Ion Ratio Lower Upper
50 100
52 36.0 26.3 39.5

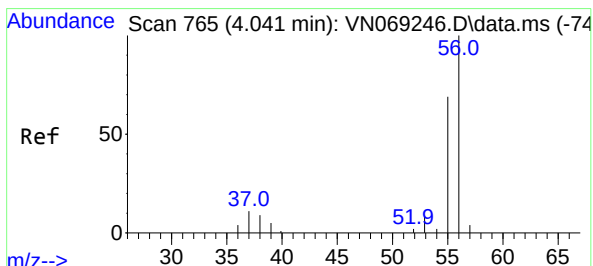
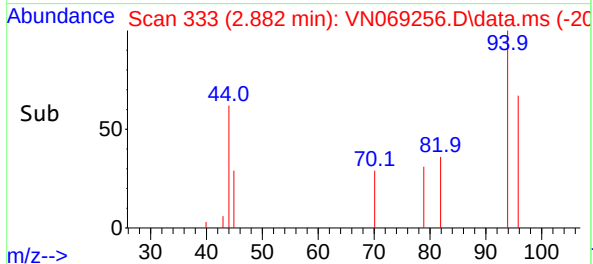
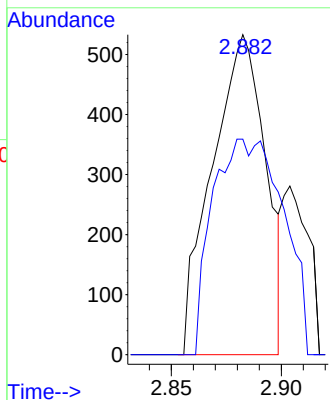
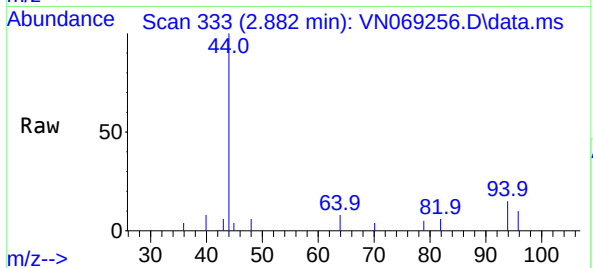




#5
Bromomethane
Concen: 0.322 ug/l
RT: 2.882 min Scan# 313
Delta R.T. 0.053 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

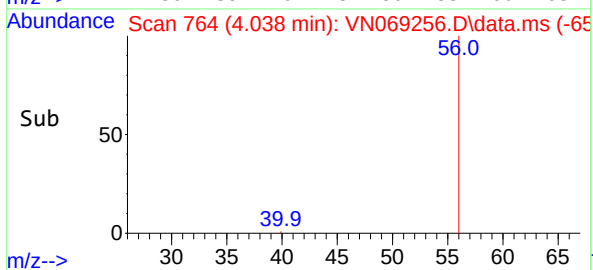
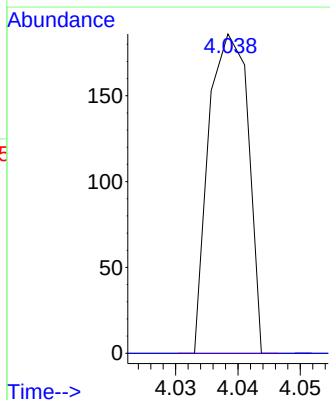
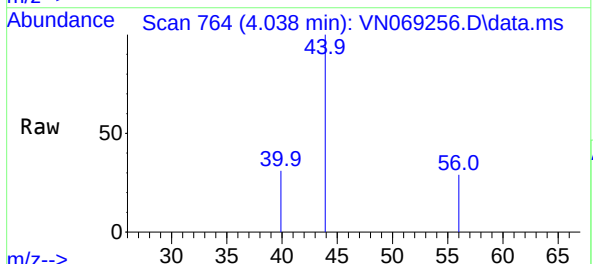
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

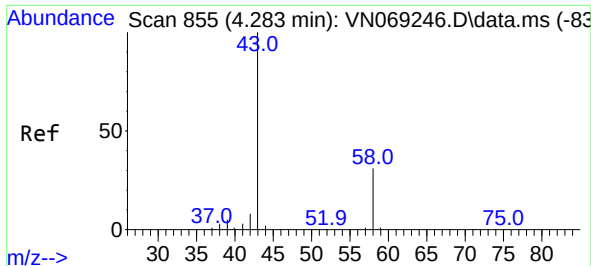
Tgt Ion: 94 Resp: 898
Ion Ratio Lower Upper
94 100
96 67.4 74.2 111.4#



#13
Acrolein
Concen: 0.389 ug/l
RT: 4.038 min Scan# 764
Delta R.T. -0.003 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 58.1 87.1#

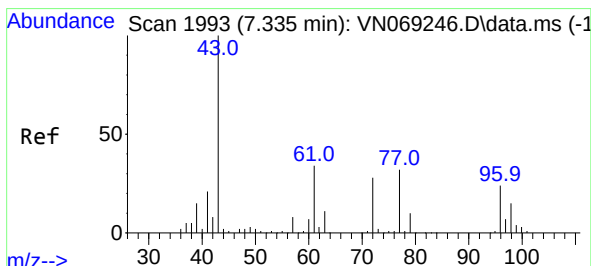
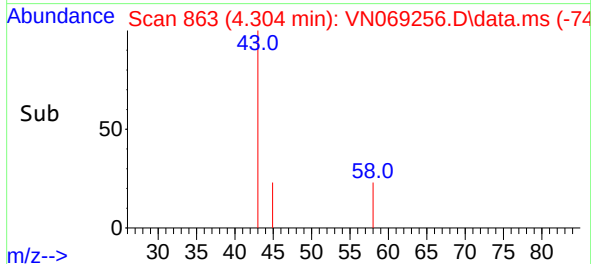
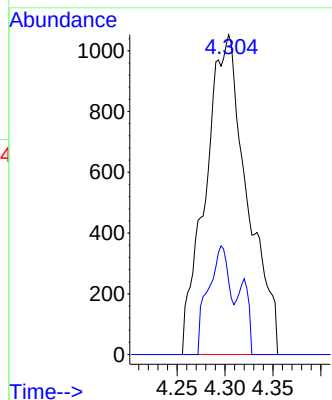
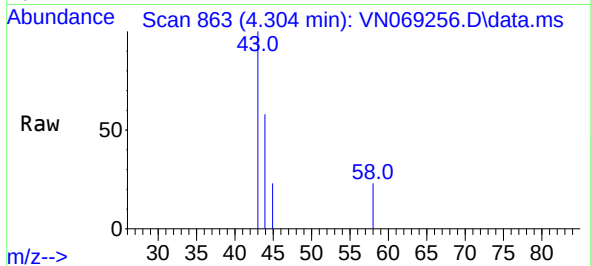




#16
Acetone
Concen: 1.561 ug/l
RT: 4.304 min Scan# 80
Delta R.T. 0.021 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

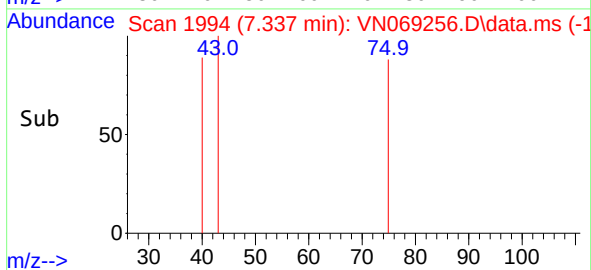
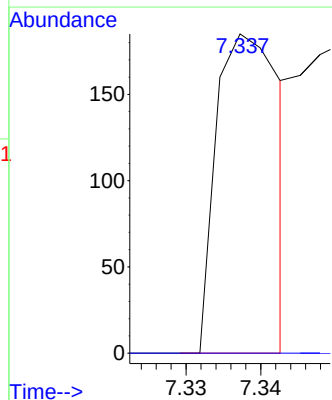
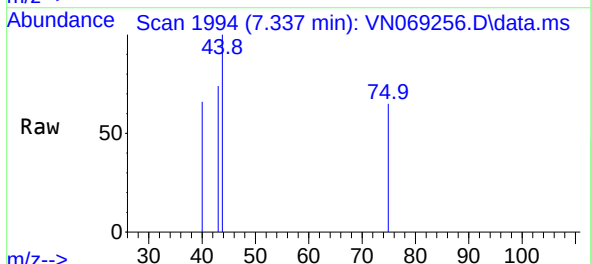
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

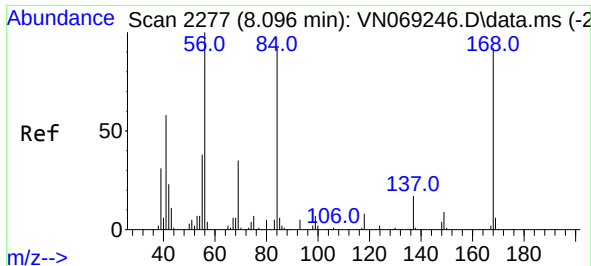
Tgt Ion: 43 Resp: 3179
Ion Ratio Lower Upper
43 100
58 22.9 24.5 36.7#



#25
2-Butanone
Concen: 1.669 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 43 Resp: 109
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#

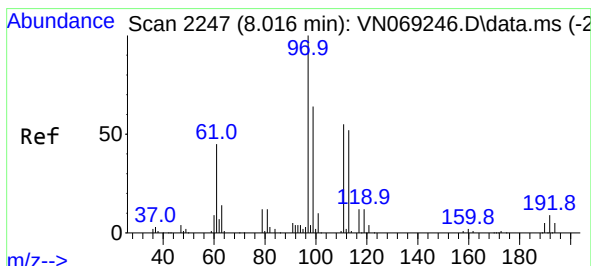
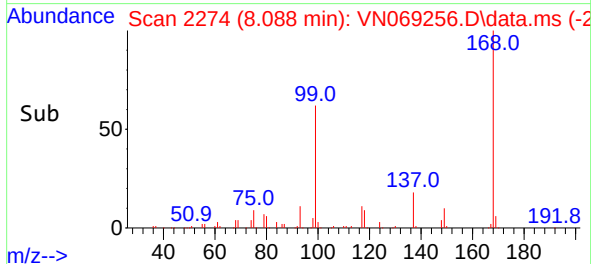
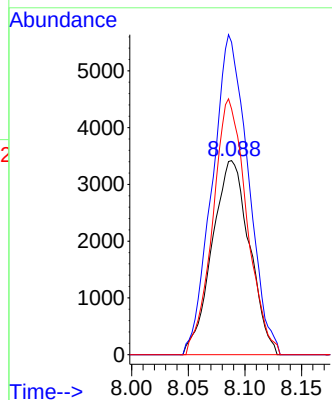
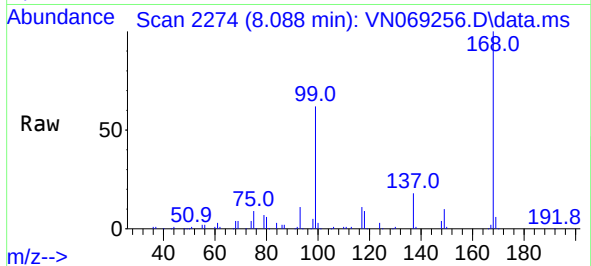




#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

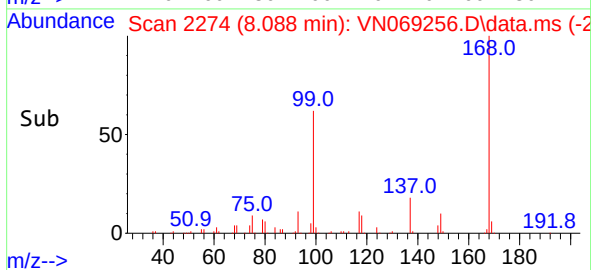
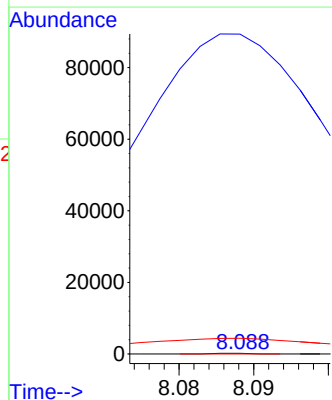
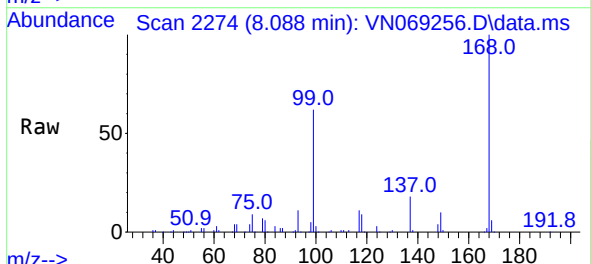
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

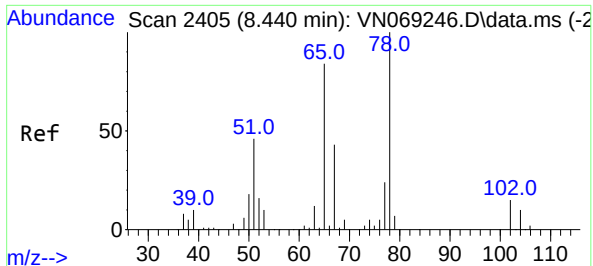
Tgt Ion: 56 Resp: 7842
Ion Ratio Lower Upper
56 100
69 161.0 26.9 40.3#
84 126.6 67.6 101.4#



#32
1,1,1-Trichloroethane
Concen: 0.883 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.072 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 97 Resp: 57
Ion Ratio Lower Upper
97 100
99 357877.2 50.8 76.2#
61 17086.0 34.6 51.8#





#33

1,2-Dichloroethane-d4

Concen: 46.328 ug/l

RT: 8.440 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN069256.D

Acq: 28 Oct 2021 18:02

Instrument :

MSVOA_N

ClientSampleId :

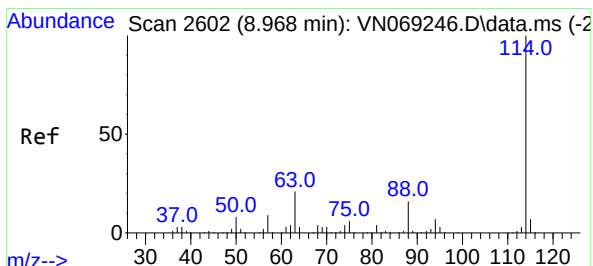
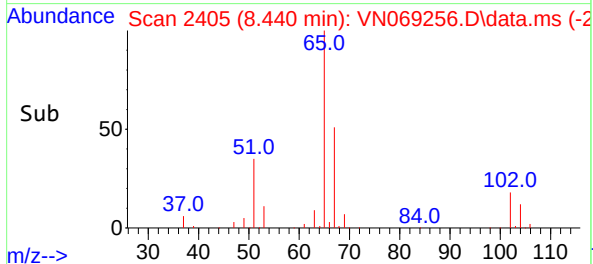
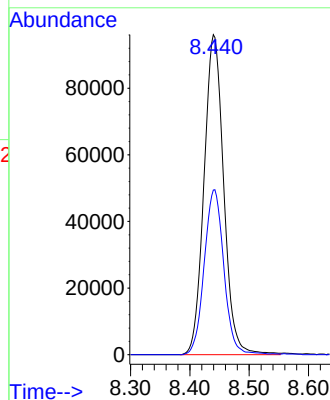
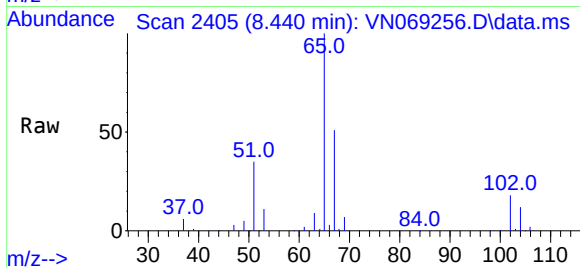
BP-VPB-RW9-GW-278-280

Tgt Ion: 65 Resp: 221497

Ion Ratio Lower Upper

65 100

67 51.3 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: VN069256.D

Acq: 28 Oct 2021 18:02

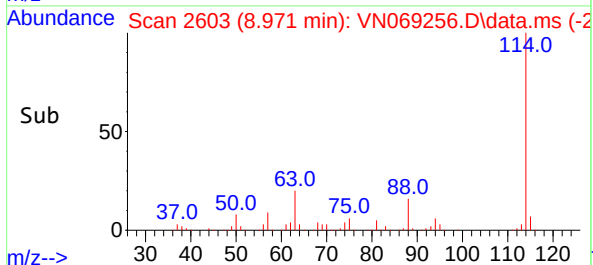
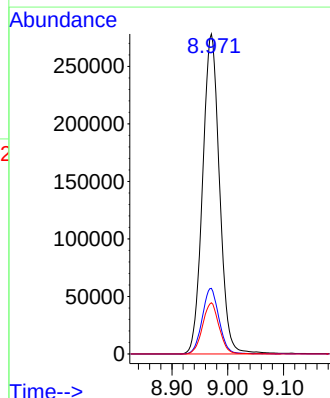
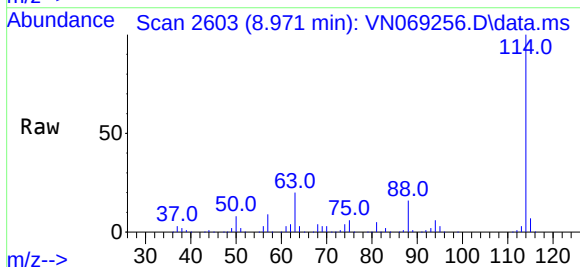
Tgt Ion: 114 Resp: 584889

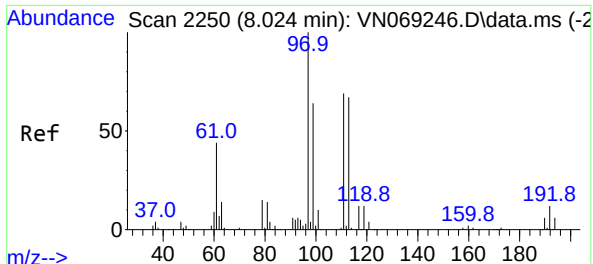
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 16.0 0.0 32.0

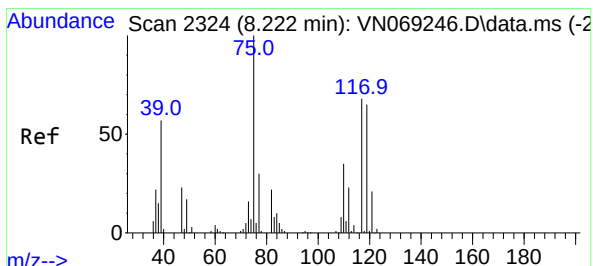
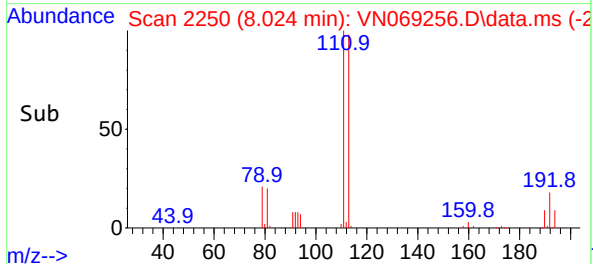
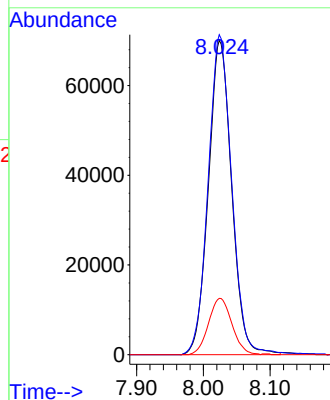
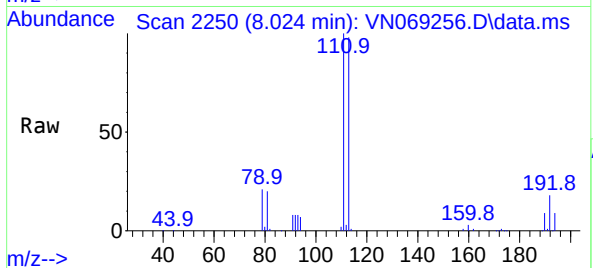




#35
Dibromofluoromethane
Concen: 46.505 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

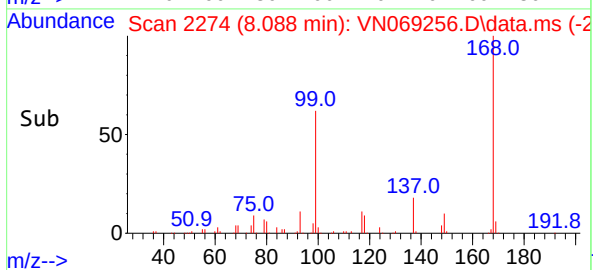
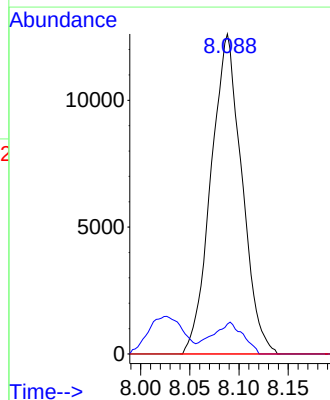
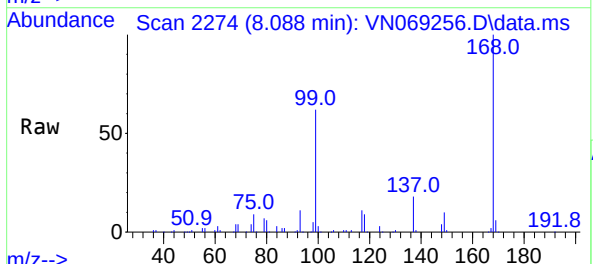
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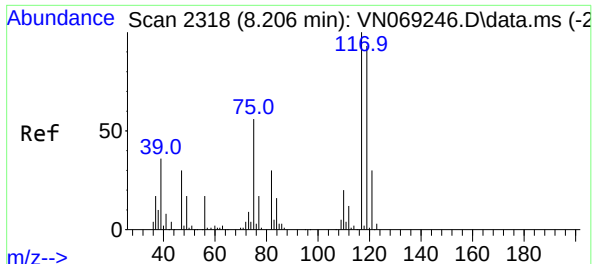
Tgt Ion:113 Resp: 169556
Ion Ratio Lower Upper
113 100
111 103.0 83.2 124.8
192 18.1 15.0 22.4



#36
1,1-Dichloropropene
Concen: 5.467 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 75 Resp: 27565
Ion Ratio Lower Upper
75 100
110 10.1 17.9 53.8#
77 0.0 24.7 37.1#

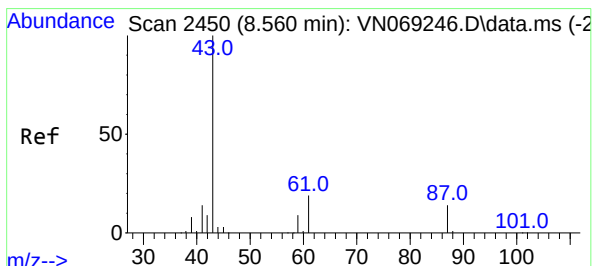
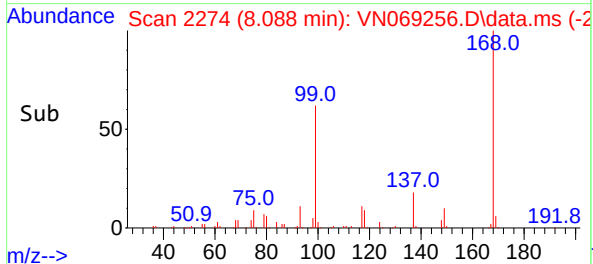
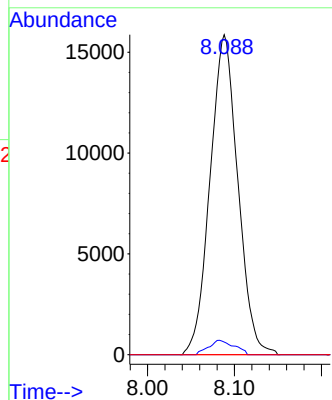
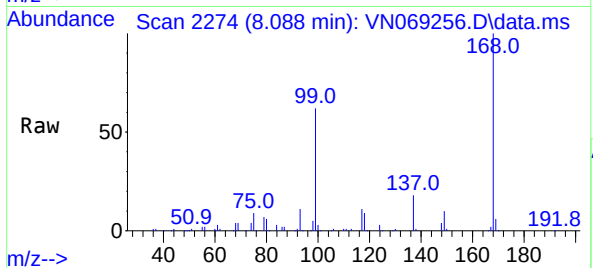




#38
Carbon Tetrachloride
Concen: 7.039 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

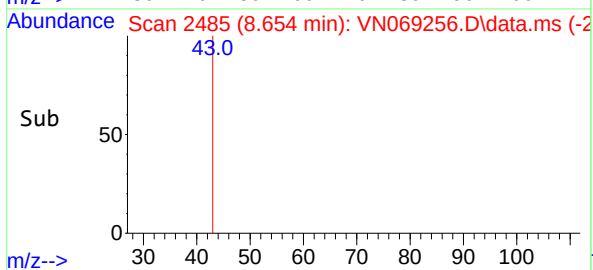
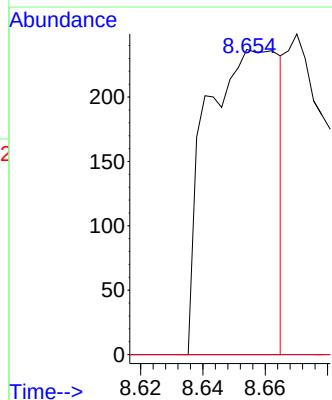
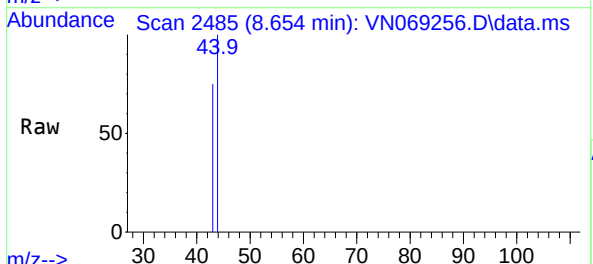
Instrument : MSVOA_N
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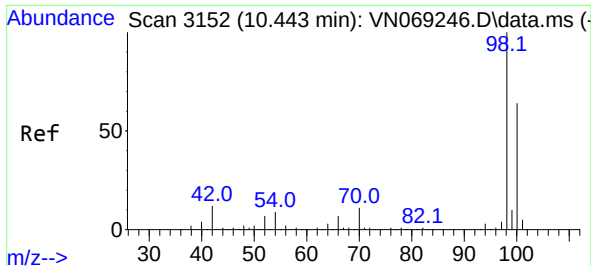
Tgt Ion:117 Resp: 35293
Ion Ratio Lower Upper
117 100
119 4.0 76.9 115.3#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 0.497 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.094 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.7 16.1#

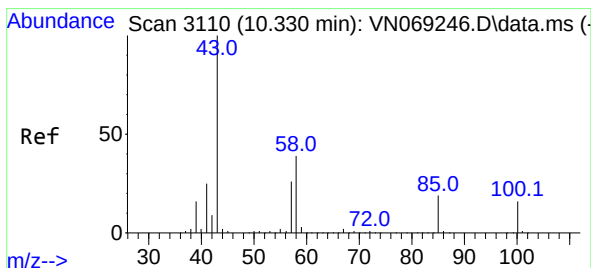
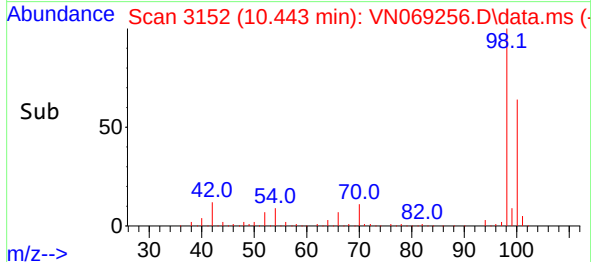
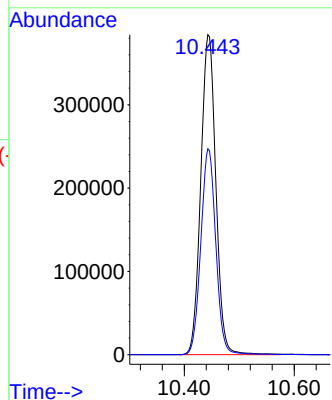
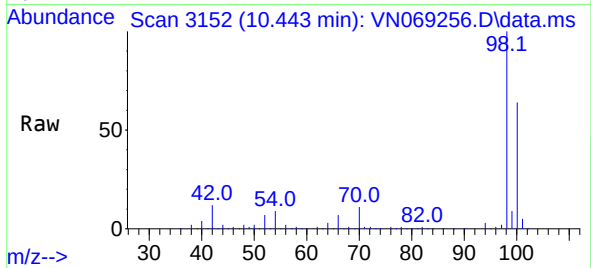




#50
Toluene-d8
Concen: 50.171 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

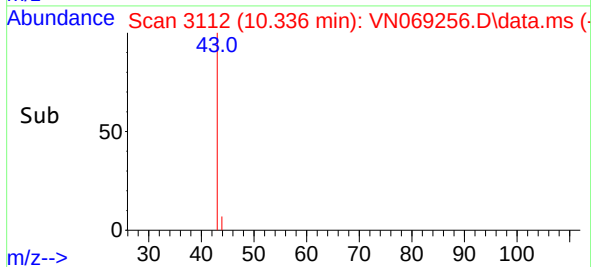
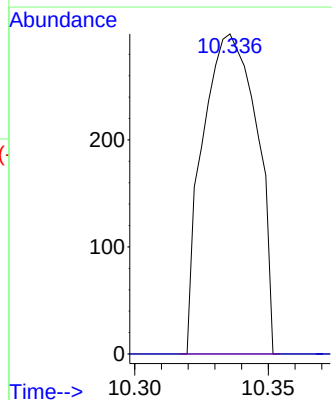
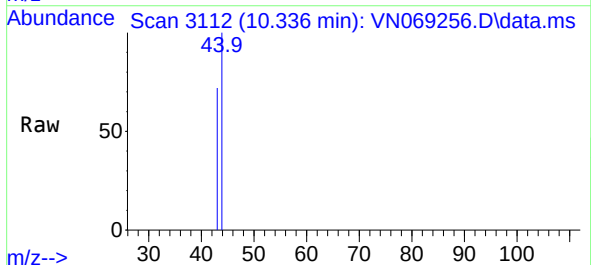
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

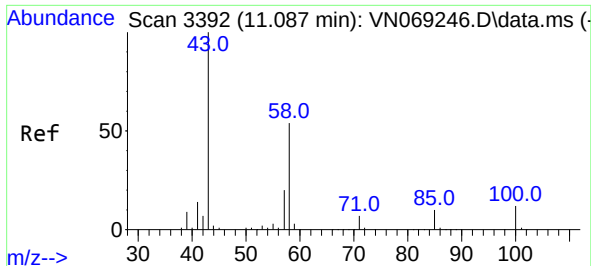
Tgt Ion: 98 Resp: 731380
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 6.465 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.006 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 0.0 31.0 46.4#

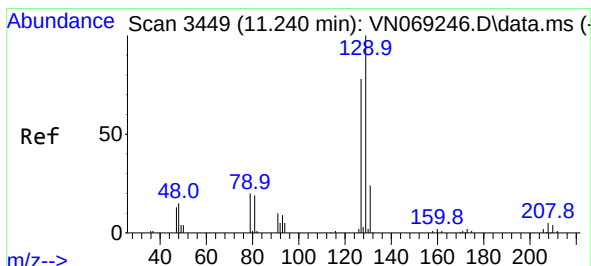
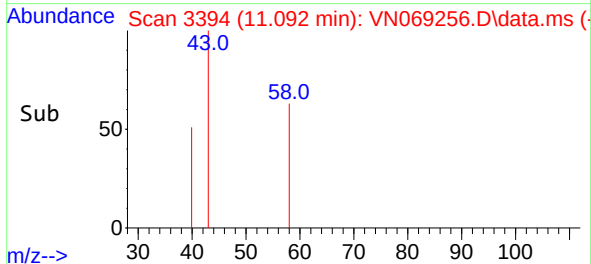
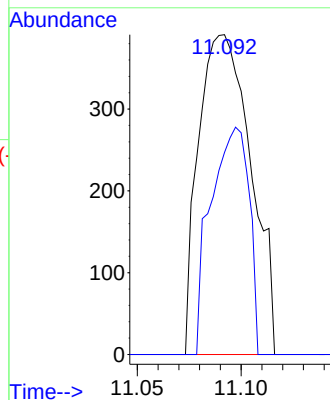
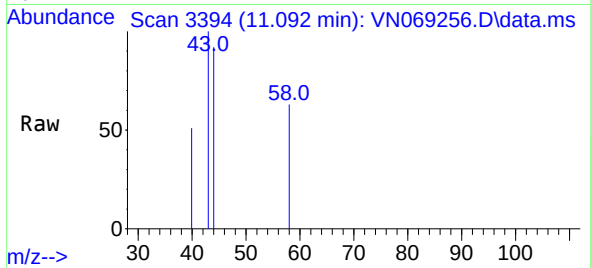




#59
2-Hexanone
Concen: 8.133 ug/l
RT: 11.092 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

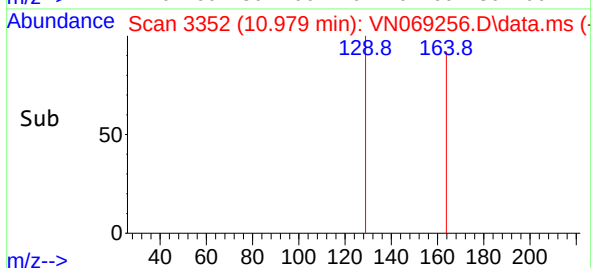
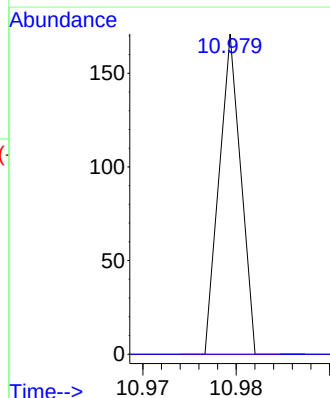
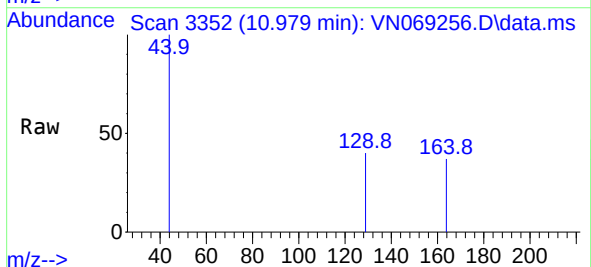
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

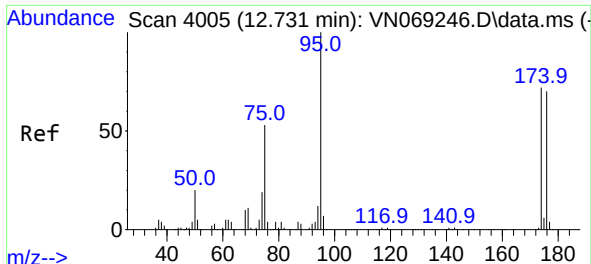
Tgt Ion: 43 Resp: 683
Ion Ratio Lower Upper
43 100
58 52.0 26.9 80.7



#60
Dibromochloromethane
Concen: 1.981 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.261 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 129 Resp: 28
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

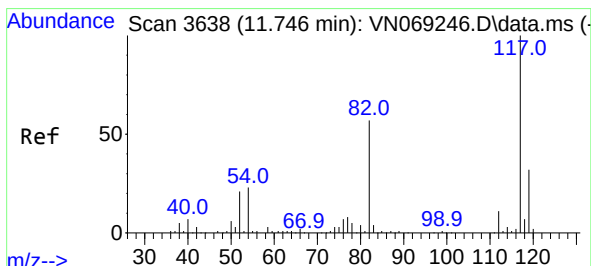
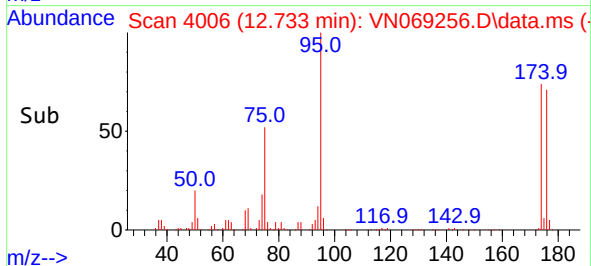
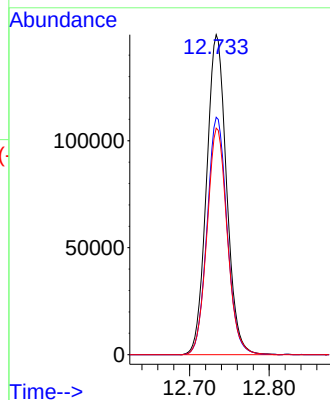
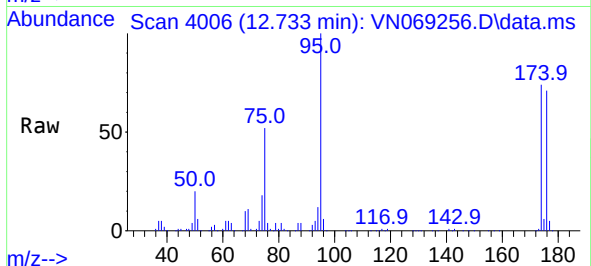




#62
4-Bromofluorobenzene
Concen: 47.554 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

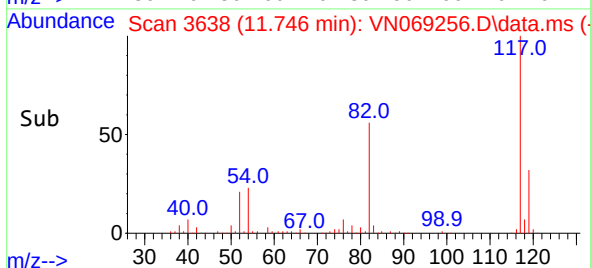
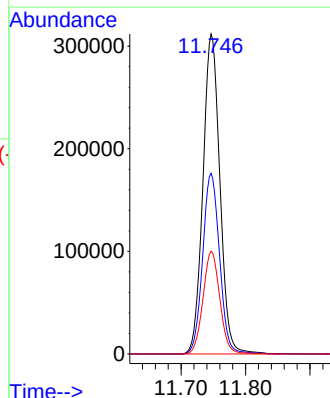
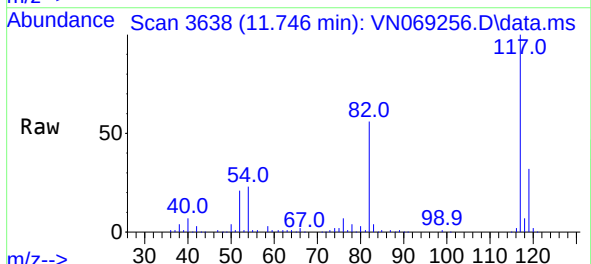
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

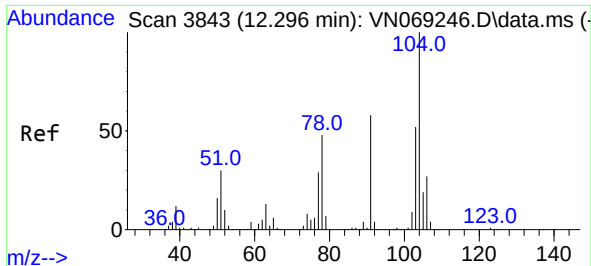
Tgt Ion: 95 Resp: 261591
Ion Ratio Lower Upper
95 100
174 74.4 0.0 144.8
176 71.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 117 Resp: 570662
Ion Ratio Lower Upper
117 100
82 56.4 46.4 69.6
119 32.2 26.0 39.0

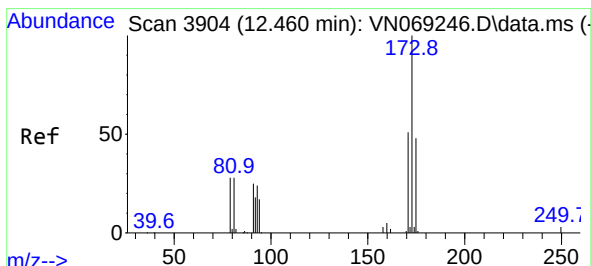
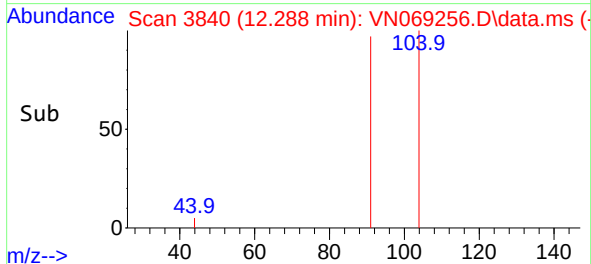
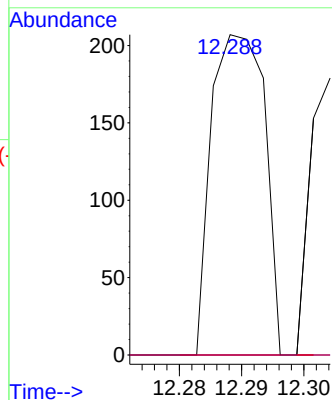
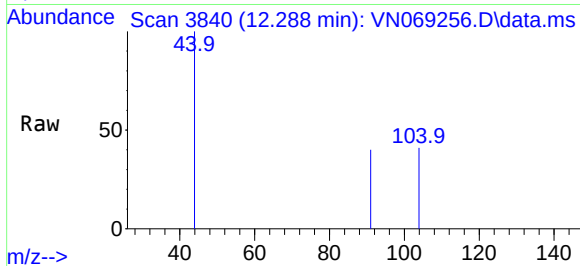




#70
Styrene
Concen: 1.465 ug/l
RT: 12.288 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

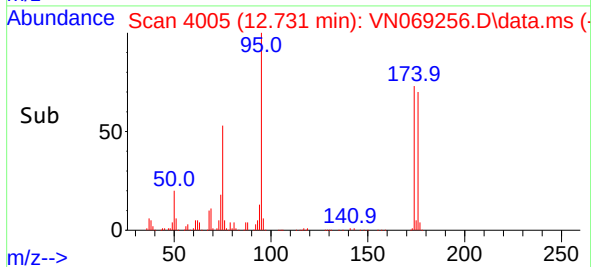
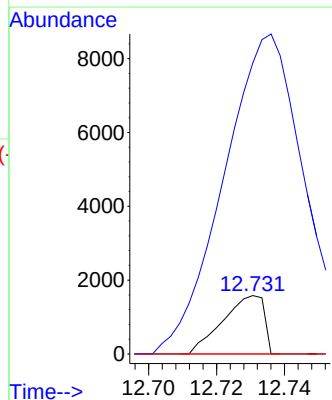
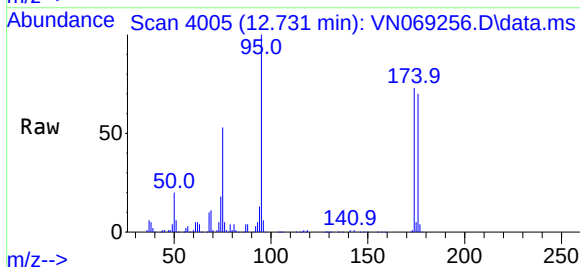
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

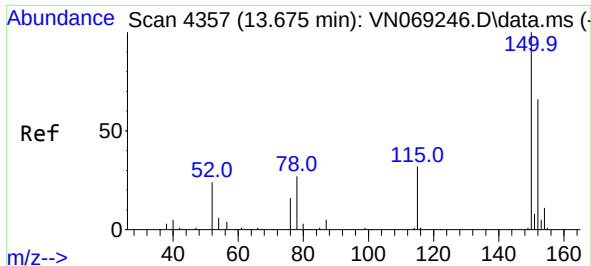
Tgt Ion:104 Resp: 123
Ion Ratio Lower Upper
104 100
78 0.0 42.2 63.4#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 3.229 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion:173 Resp: 1335
Ion Ratio Lower Upper
173 100
175 1003.3 23.8 71.5#
254 0.0 0.0 0.0

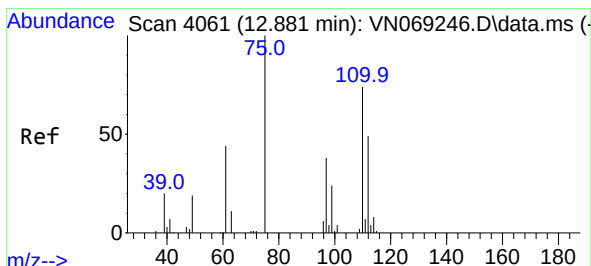
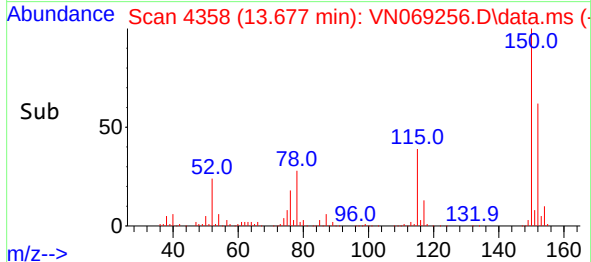
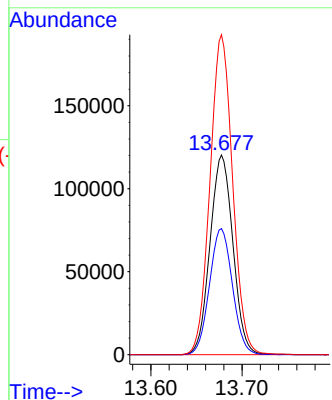
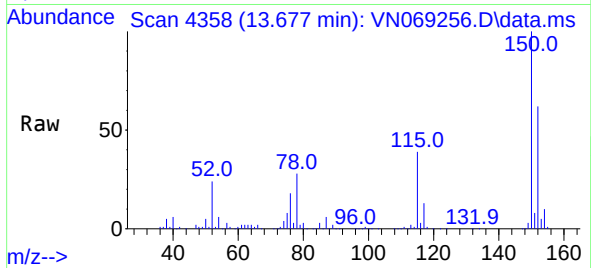




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 41
Delta R.T. 0.002 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

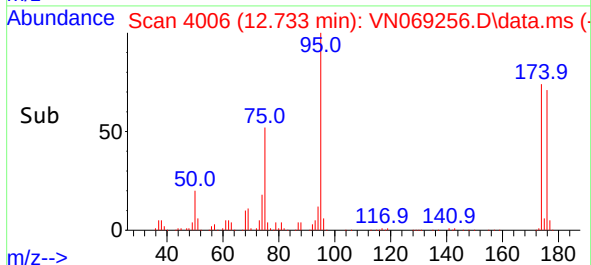
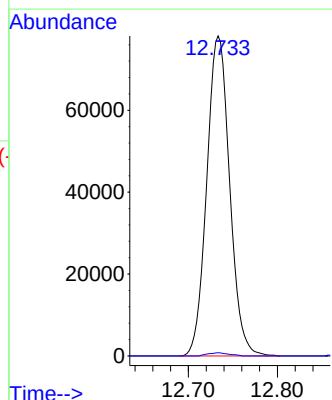
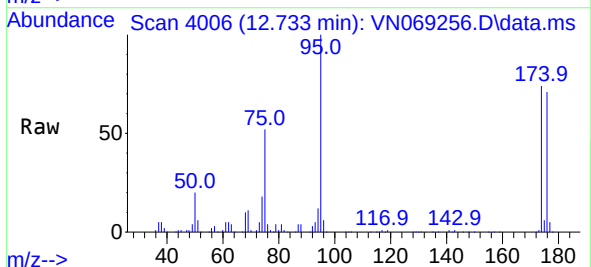
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

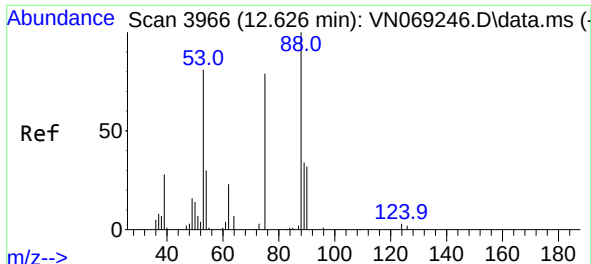
Tgt Ion:152 Resp: 210598
Ion Ratio Lower Upper
152 100
115 63.2 31.4 94.3
150 158.0 0.0 351.0



#76
1,2,3-Trichloropropane
Concen: 25.205 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion: 75 Resp: 139611
Ion Ratio Lower Upper
75 100
77 0.9 96.2 288.4#

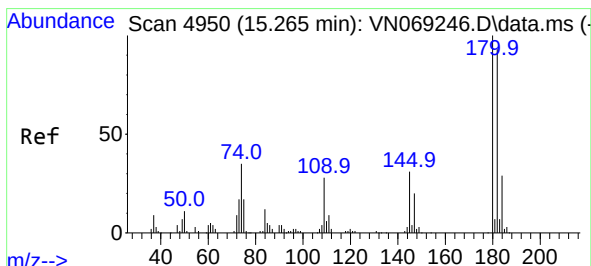
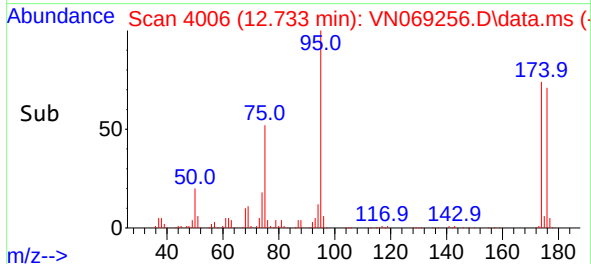
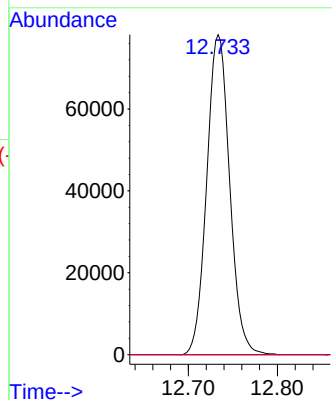
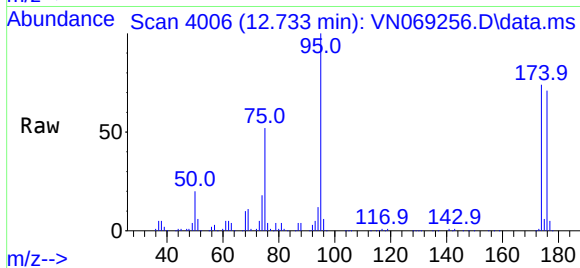




#81
trans-1,4-Dichloro-2-butene
Concen: 72.158 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

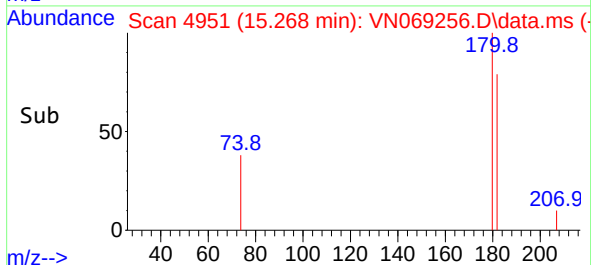
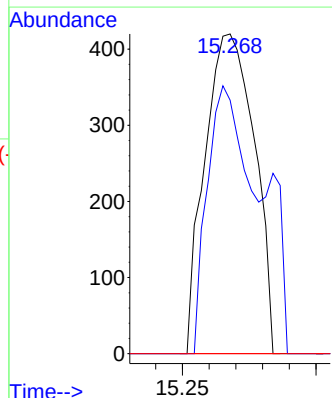
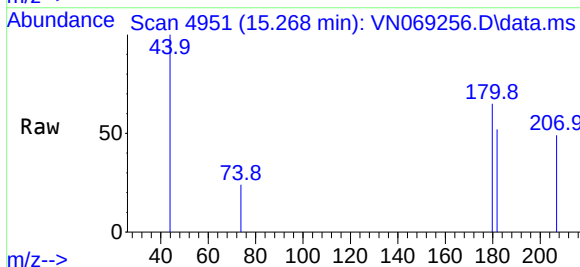
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

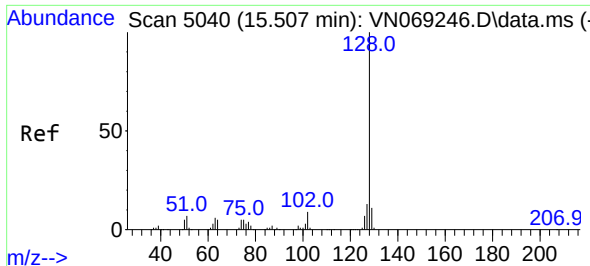
Tgt Ion: 75 Resp: 139611
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 2.637 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion:180 Resp: 540
Ion Ratio Lower Upper
180 100
182 69.6 47.9 143.7
145 0.0 16.4 49.2#

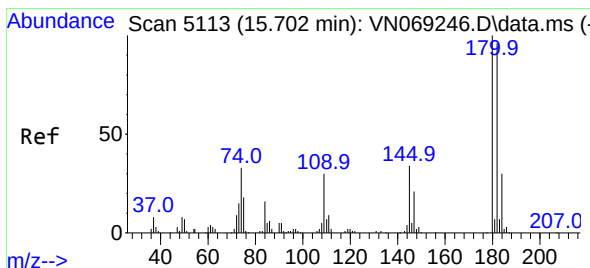
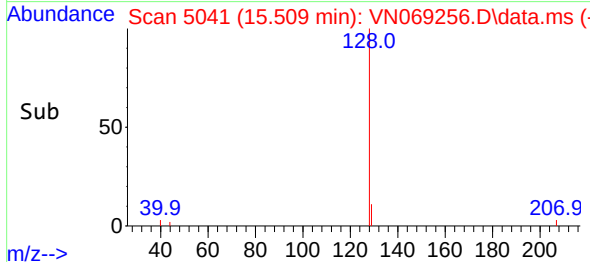
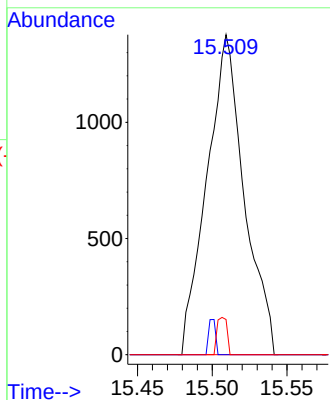
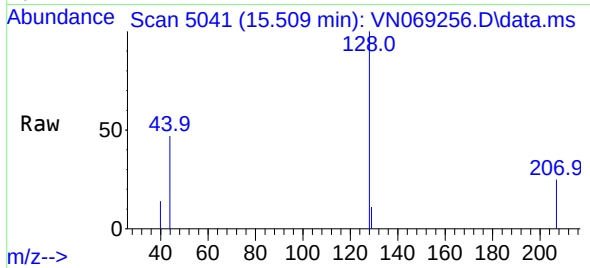




#95
Naphthalene
Concen: 3.520 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.002 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW9-GW-278-280

Tgt Ion:	128	Resp:	2392
Ion	Ratio	Lower	Upper
128	100		
127	2.0	10.5	15.7#
129	3.1	8.9	13.3#



#96
1,2,3-Trichlorobenzene
Concen: 2.380 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069256.D
Acq: 28 Oct 2021 18:02

Tgt Ion:	180	Resp:	605
Ion	Ratio	Lower	Upper
180	100		
182	71.1	48.1	144.3
145	0.0	17.4	52.2#

