

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074416.D
 Acq On : 12 Sep 2022 18:21
 Operator : JC\MD
 Sample : N4458-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-258-260

Quant Time: Sep 13 06:27:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

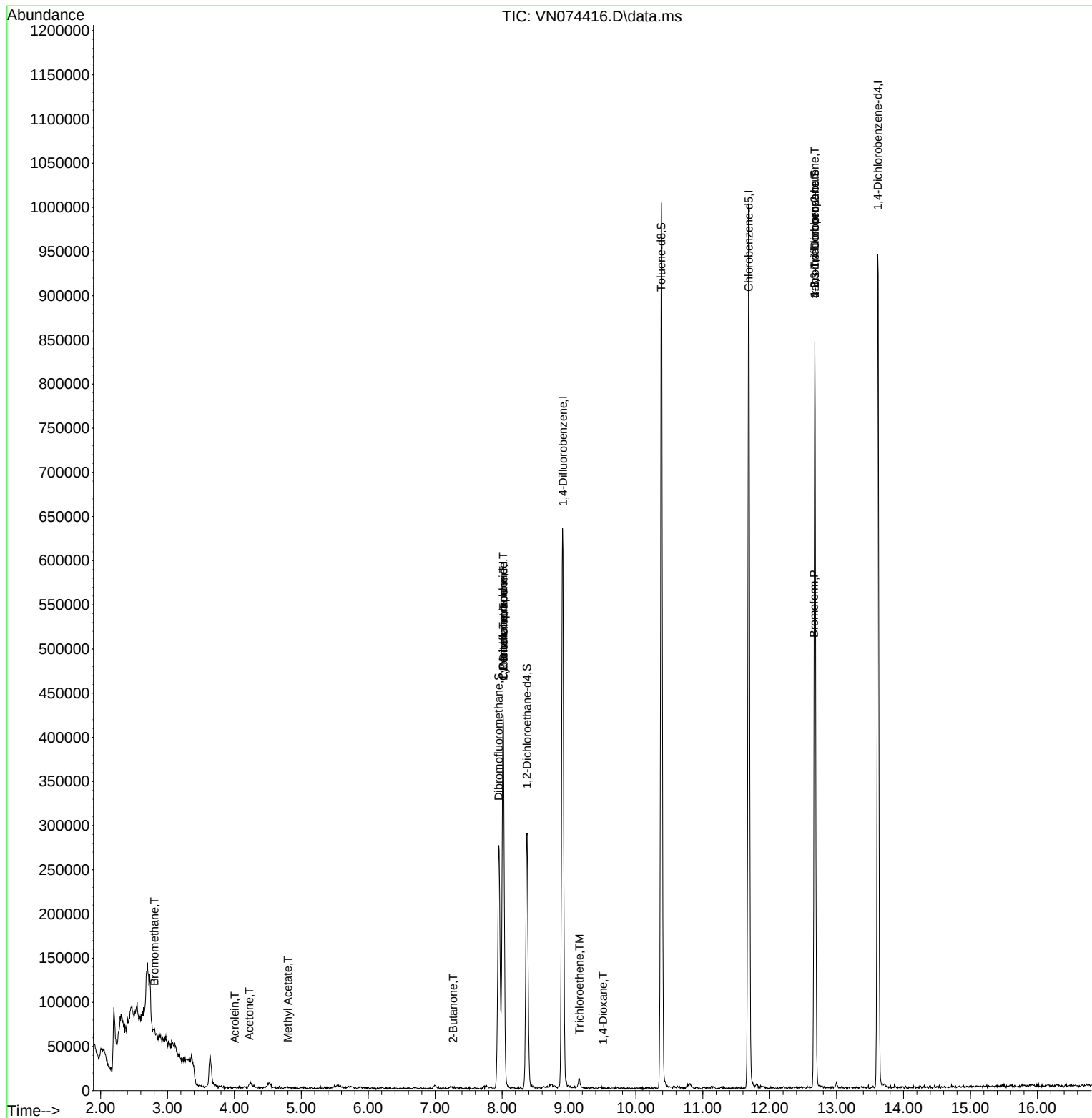
Internal Standards						
1) Pentafluorobenzene	8.016	168	301757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.910	114	532993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	510779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	228100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	233167	44.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.320%		
35) Dibromofluoromethane	7.951	113	188783	52.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.940%		
50) Toluene-d8	10.380	98	635371	45.318	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.640%		
62) 4-Bromofluorobenzene	12.674	95	255881	50.268	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.540%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	2329	Below Cal		100
5) Bromomethane	2.804	94	1302	0.285 ug/l #		28
6) Chloroethane	2.928	64	4021	Below Cal #		42
13) Acrolein	4.004	56	369	0.407 ug/l #		15
16) Acetone	4.222	43	3422	1.214 ug/l #		87
18) Methyl Acetate	4.798	43	3640	0.438 ug/l #		85
20) Methylene Chloride	4.998	84	327	Below Cal #		42
25) 2-Butanone	7.269	43	1829	0.387 ug/l #		52
31) Cyclohexane	8.022	56	9735	1.172 ug/l #		39
36) 1,1-Dichloropropene	8.022	75	27626	4.660 ug/l #		49
38) Carbon Tetrachloride	8.016	117	32862	5.370 ug/l #		16
44) Trichloroethene	9.157	130	3816	0.938 ug/l		87
49) 1,4-Dioxane	9.510	88	145	1.110 ug/l #		42
71) Bromoform	12.663	173	1068	0.296 ug/l #		29
74) N-amyl acetate	12.339	43	216	Below Cal #		13
76) 1,2,3-Trichloropropane	12.674	75	153872	25.805 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.674	75	153872	57.518 ug/l #		9
92) 1,2-Dibromo-3-Chloropr...	14.574	75	58	Below Cal #		8

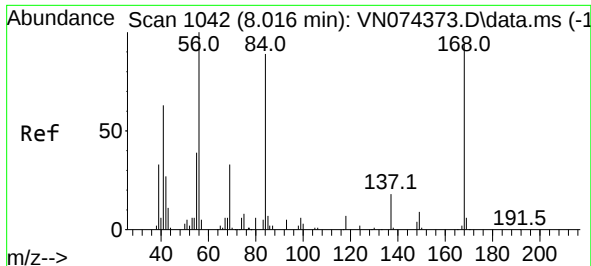
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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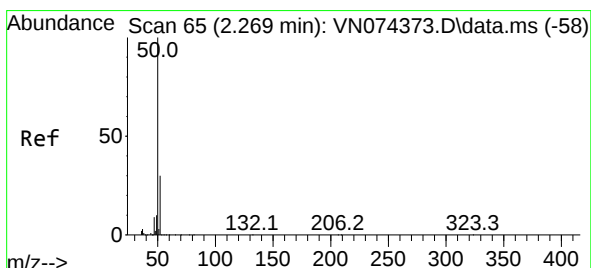
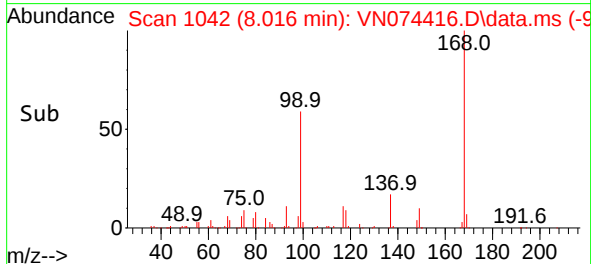
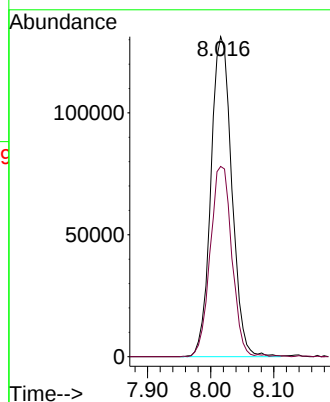
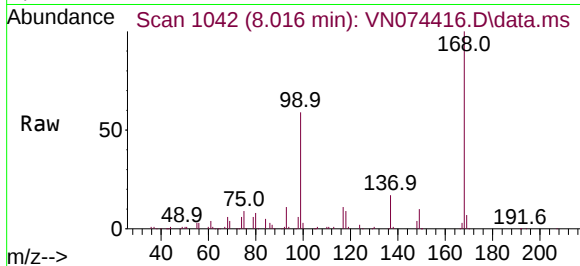




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

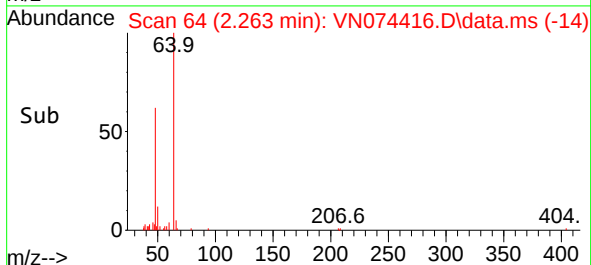
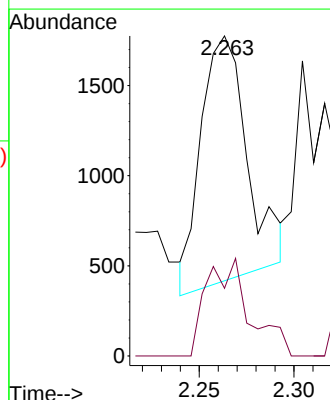
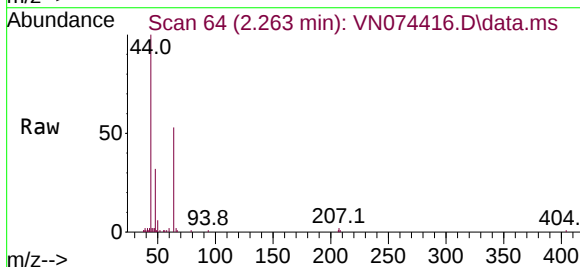
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

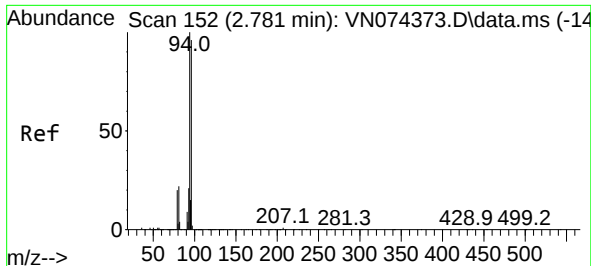
Tgt Ion:168 Resp: 301757
Ion Ratio Lower Upper
168 100
99 59.5 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 50 Resp: 2329
Ion Ratio Lower Upper
50 100
52 30.0 24.1 36.1

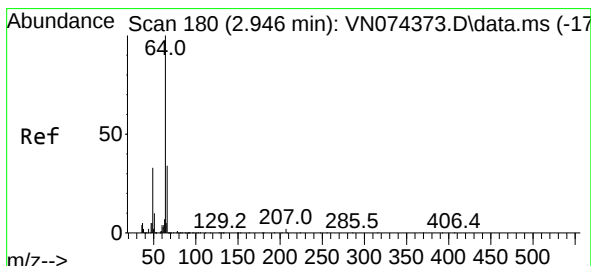
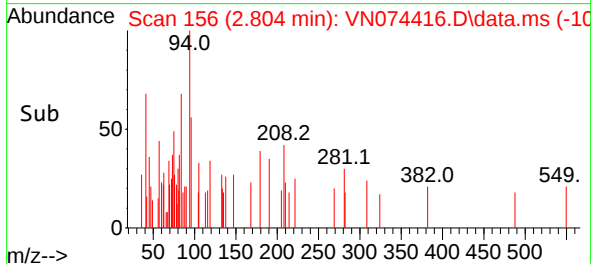
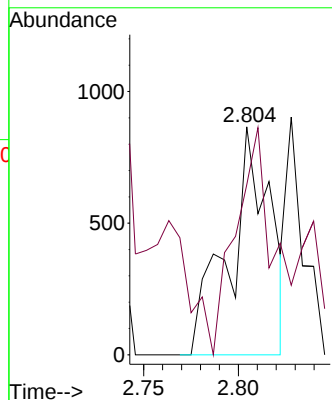
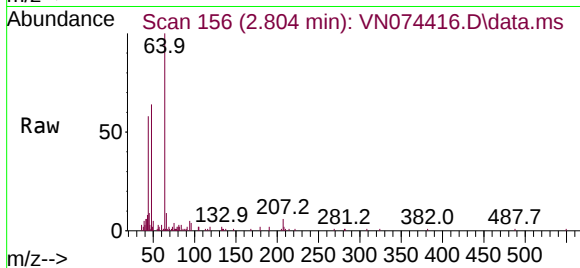




#5
Bromomethane
Concen: 0.285 ug/l
RT: 2.804 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

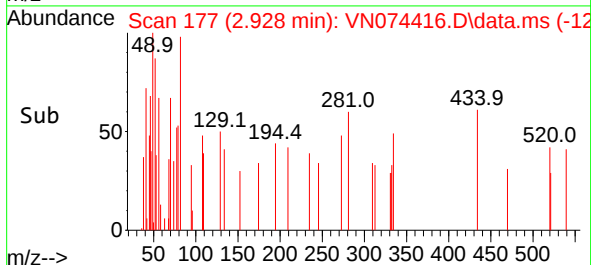
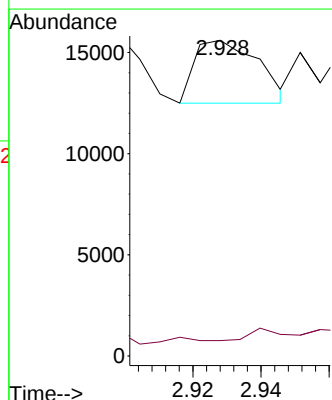
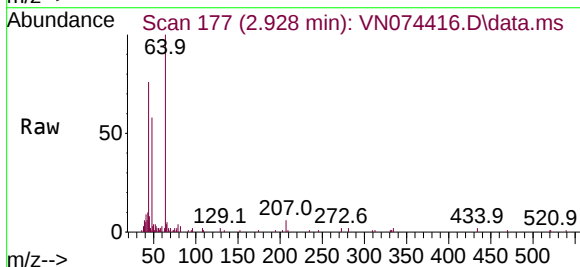
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

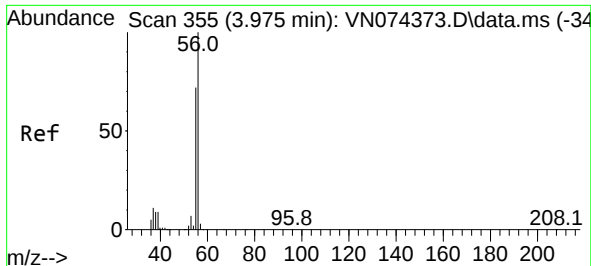
Tgt Ion: 94 Resp: 1302
Ion Ratio Lower Upper
94 100
96 25.6 76.7 115.1#



#6
Chloroethane
Concen: Below Cal
RT: 2.928 min Scan# 177
Delta R.T. -0.018 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 64 Resp: 4021
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#

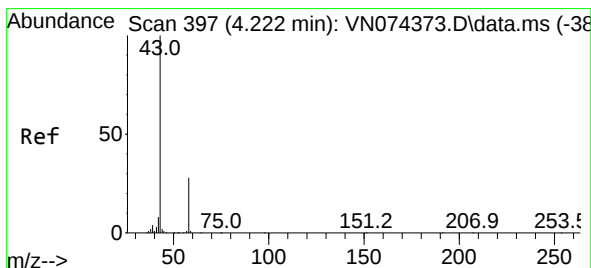
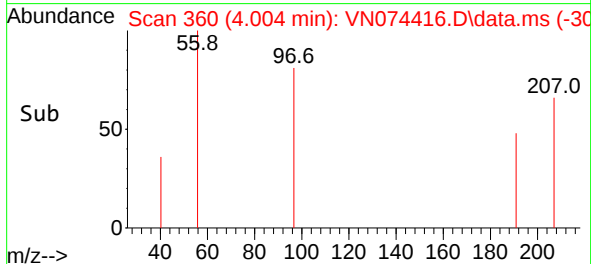
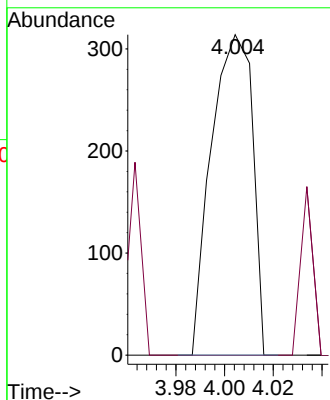
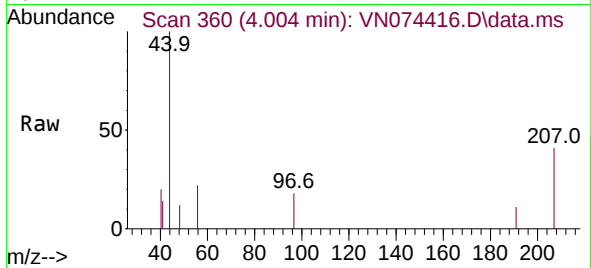




#13
Acrolein
Concen: 0.407 ug/l
RT: 4.004 min Scan# 360
Delta R.T. 0.029 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

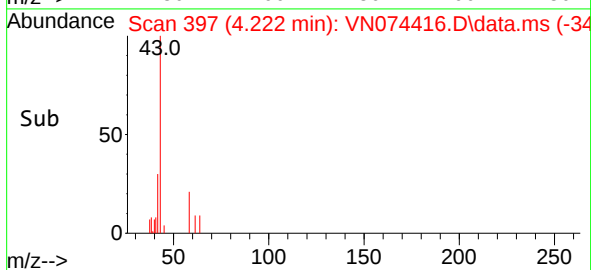
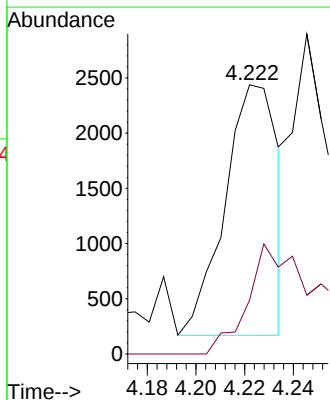
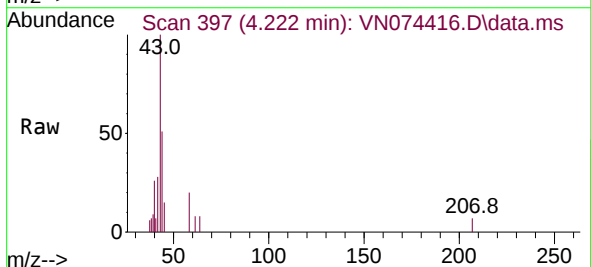
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

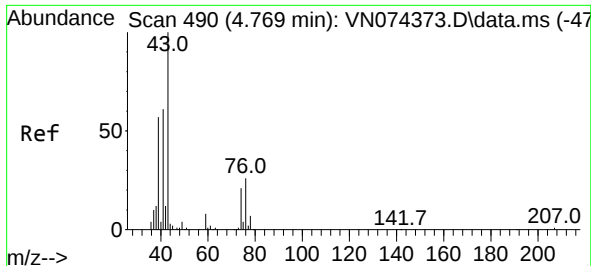
Tgt Ion: 56 Resp: 369
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 1.214 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 43 Resp: 3422
Ion Ratio Lower Upper
43 100
58 21.5 22.7 34.1#

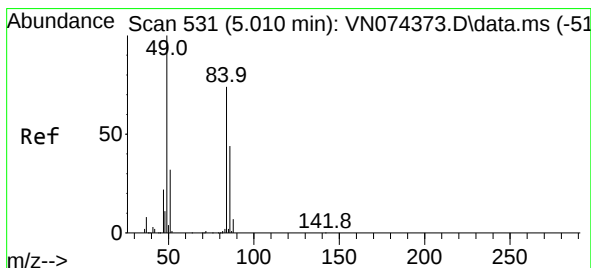
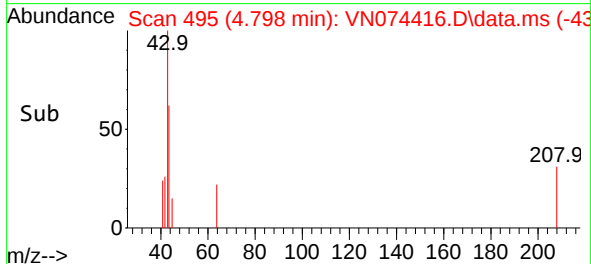
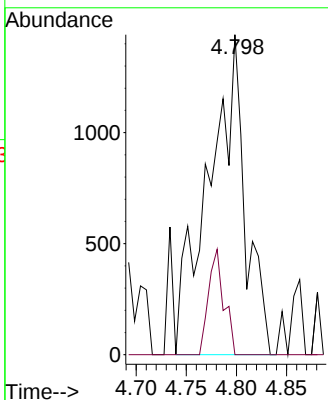
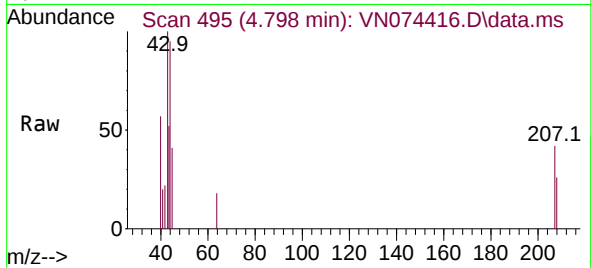




#18
Methyl Acetate
Concen: 0.438 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.029 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

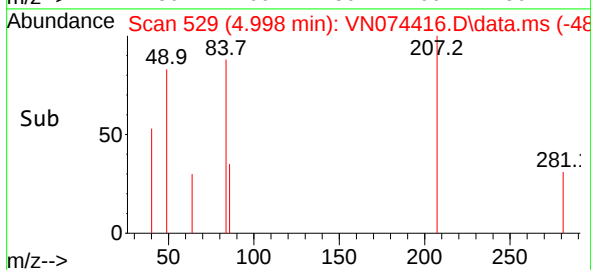
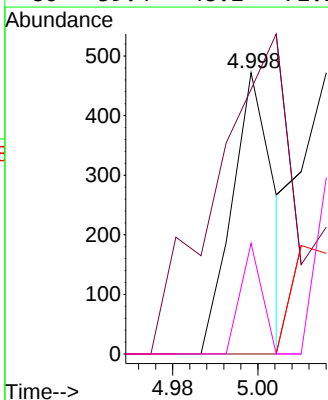
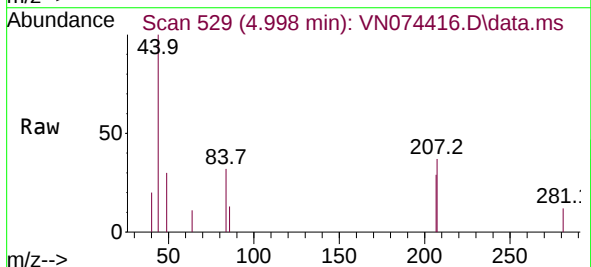
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

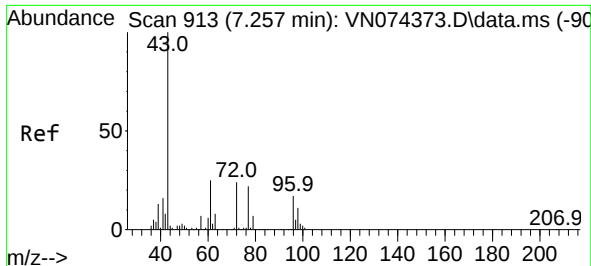
Tgt Ion: 43 Resp: 3640
Ion Ratio Lower Upper
43 100
74 13.9 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 84 Resp: 327
Ion Ratio Lower Upper
84 100
49 52.5 108.2 162.4#
51 0.0 34.3 51.5#
86 39.4 48.2 72.2#

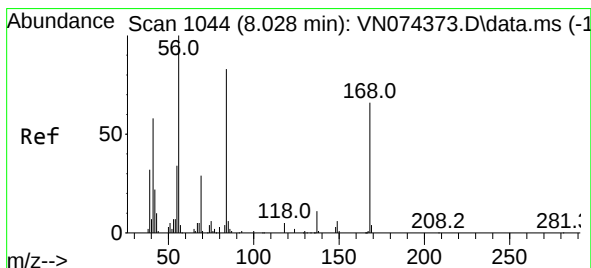
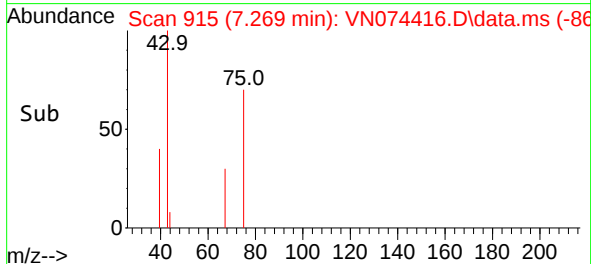
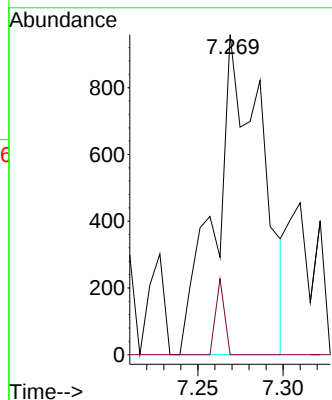
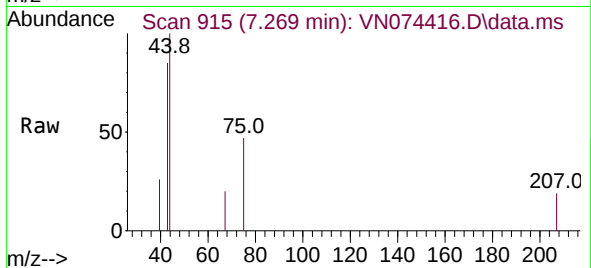




#25
2-Butanone
Concen: 0.387 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

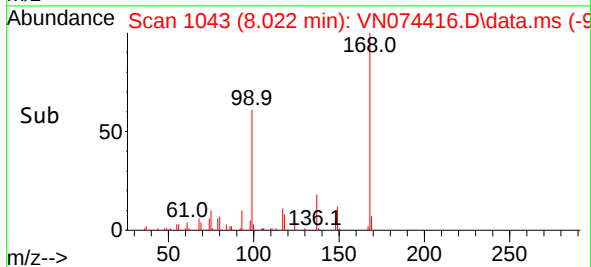
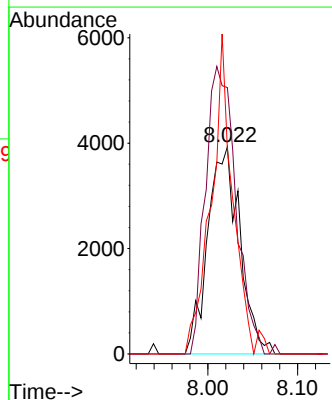
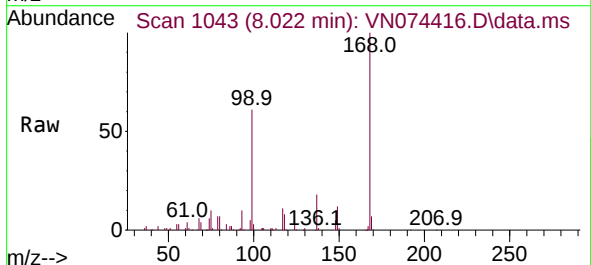
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

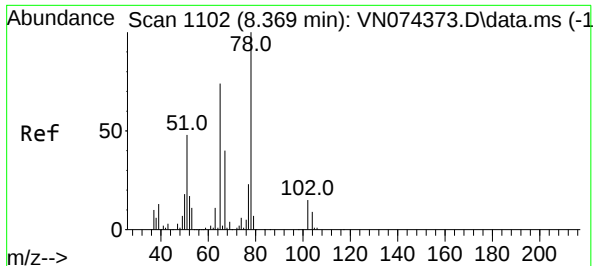
Tgt Ion: 43 Resp: 1829
Ion Ratio Lower Upper
43 100
72 0.0 18.9 28.3#



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 56 Resp: 9735
Ion Ratio Lower Upper
56 100
69 128.6 23.0 34.4#
84 98.7 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 44.661 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074416.D

Acq: 12 Sep 2022 18:21

Instrument :

MSVOA_N

ClientSampleId :

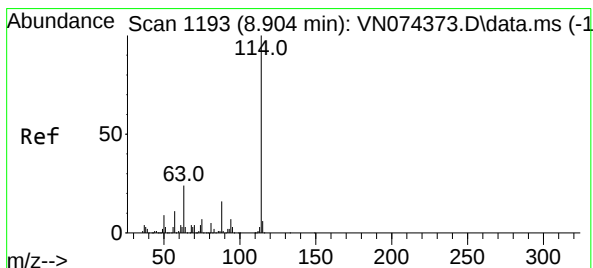
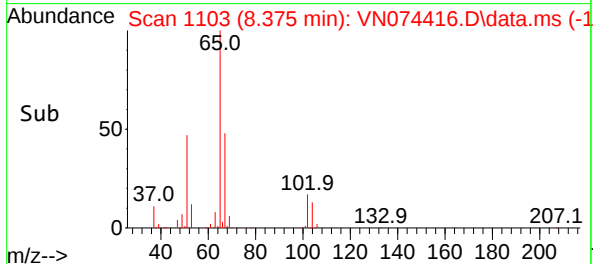
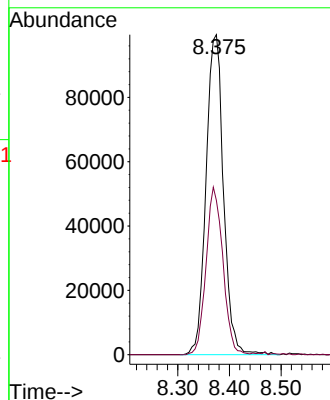
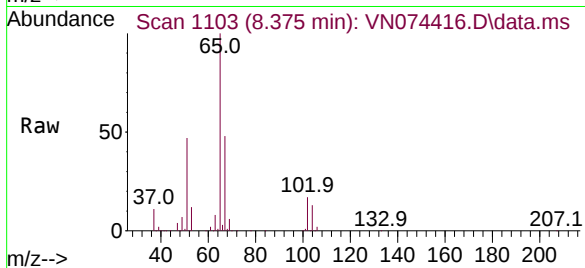
BP-VPB-RW5-GW-258-260

Tgt Ion: 65 Resp: 233167

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.910 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VN074416.D

Acq: 12 Sep 2022 18:21

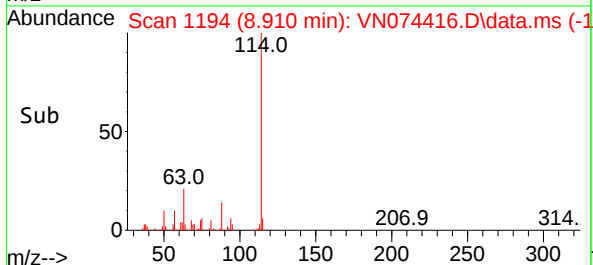
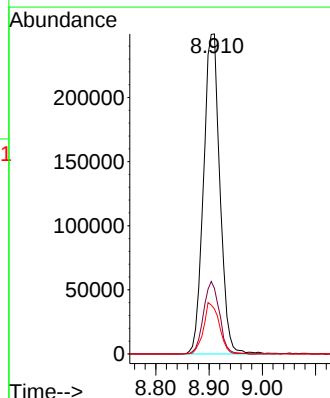
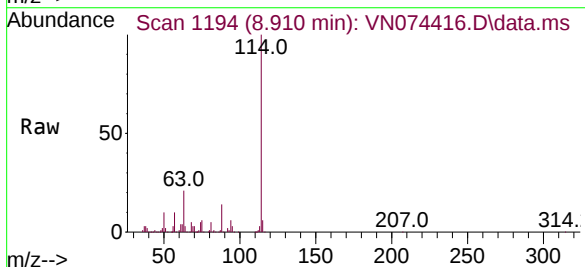
Tgt Ion: 114 Resp: 532993

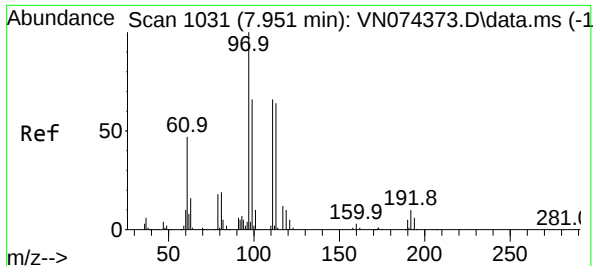
Ion Ratio Lower Upper

114 100

63 20.5 0.0 47.6

88 14.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.466 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074416.D

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MSVOA_N

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BP-VPB-RW5-GW-258-260

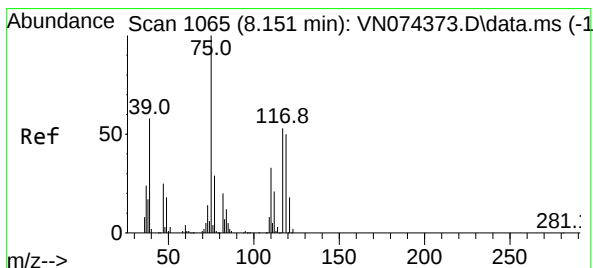
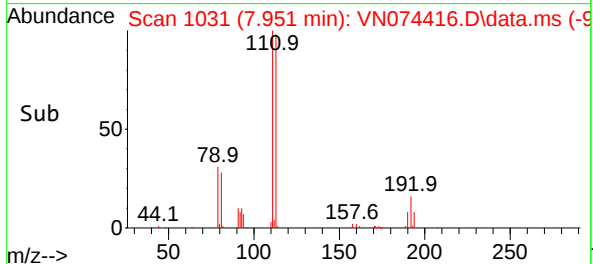
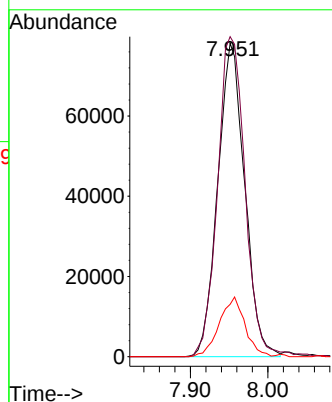
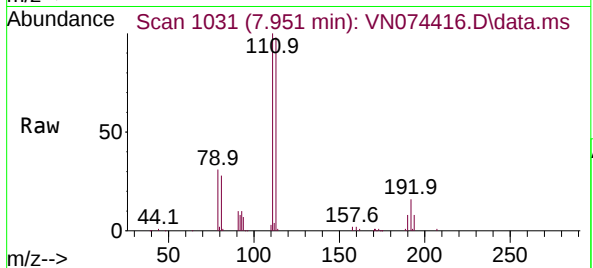
Tgt Ion:113 Resp: 188783

Ion Ratio Lower Upper

113 100

111 104.8 83.0 124.4

192 18.2 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.660 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.129 min

Lab File: VN074416.D

Acq: 12 Sep 2022 18:21

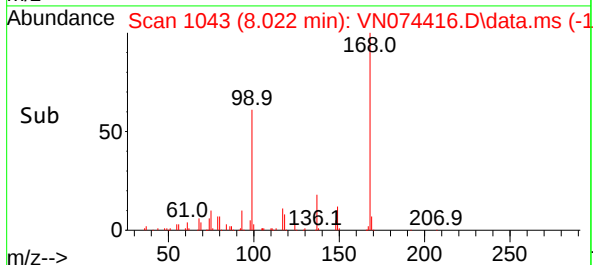
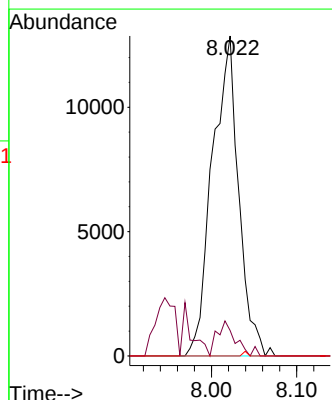
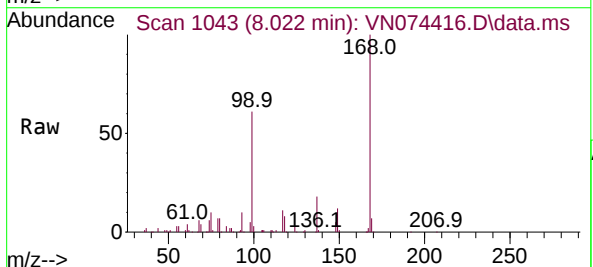
Tgt Ion: 75 Resp: 27626

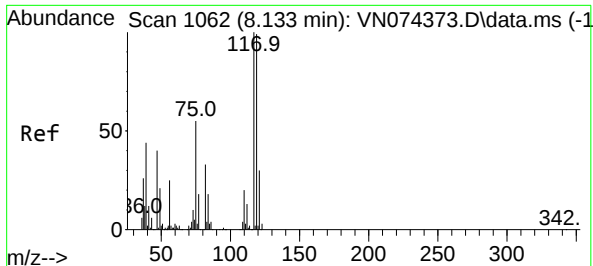
Ion Ratio Lower Upper

75 100

110 7.3 16.4 49.1#

77 0.0 25.4 38.2#

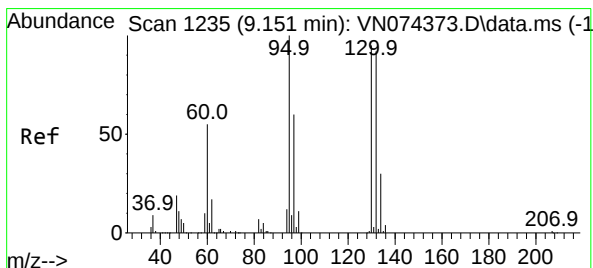
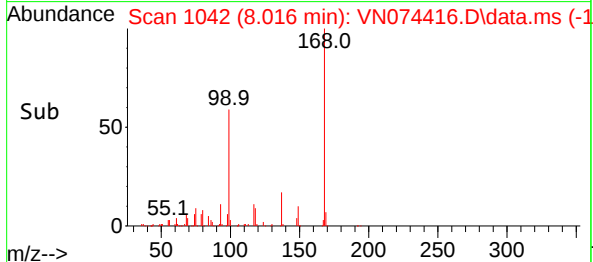
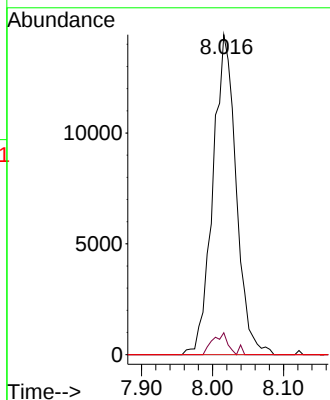
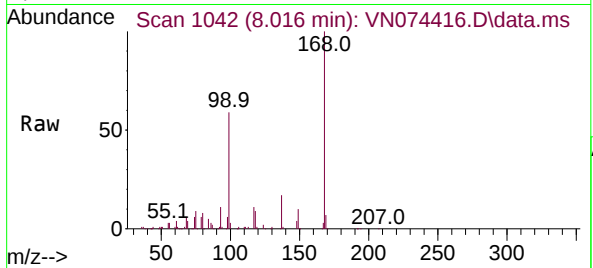




#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 8.016 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

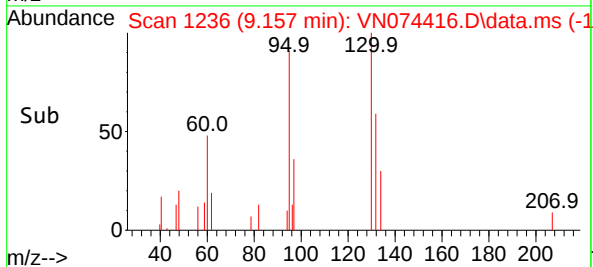
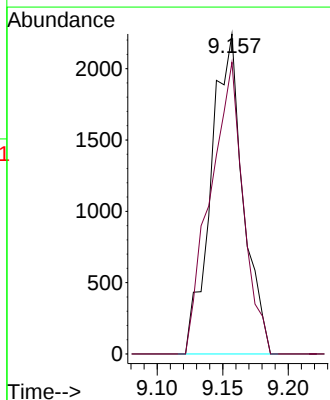
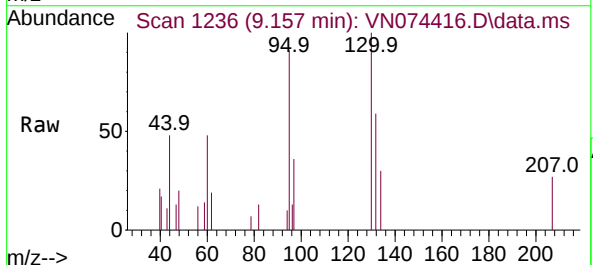
Instrument : MSVOA_N
ClientSampleId : BP-VPB-RW5-GW-258-260

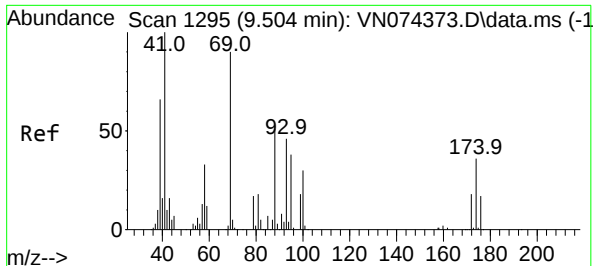
Tgt Ion:117 Resp: 32862
Ion Ratio Lower Upper
117 100
119 6.8 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 0.938 ug/l
RT: 9.157 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion:130 Resp: 3816
Ion Ratio Lower Upper
130 100
95 91.1 0.0 210.0

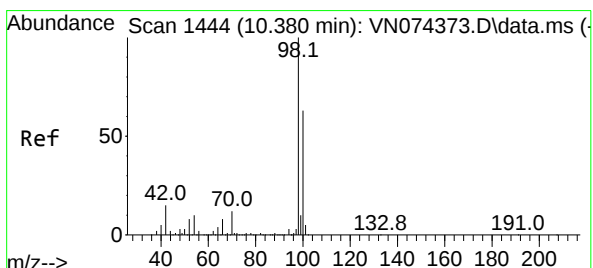
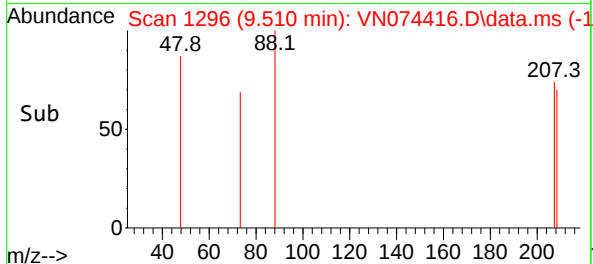
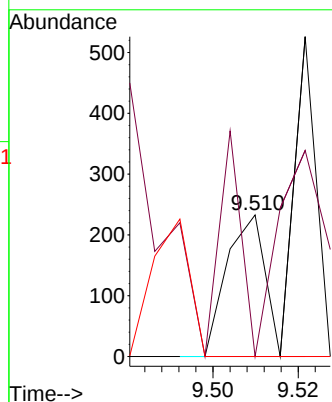
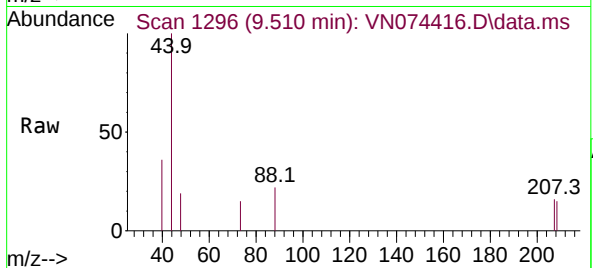




#49
1,4-Dioxane
Concen: 1.110 ug/l
RT: 9.510 min Scan# 1295
Delta R.T. 0.006 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

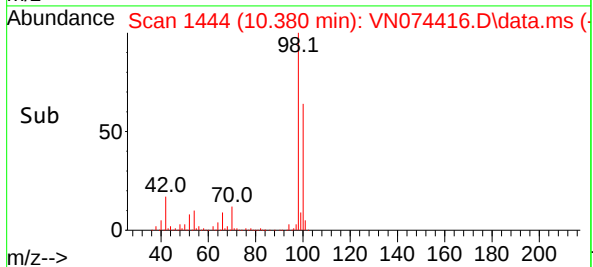
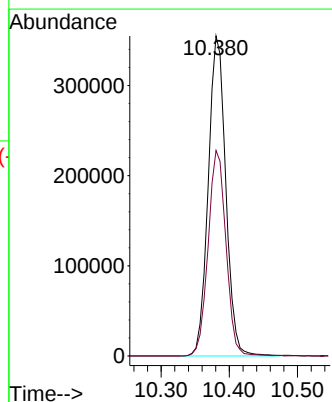
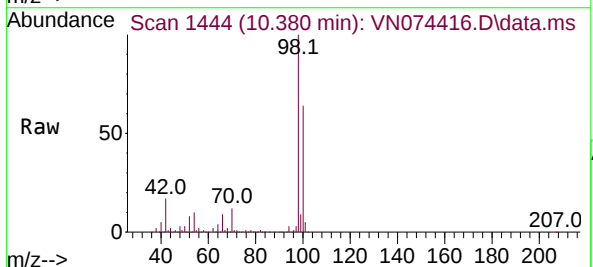
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

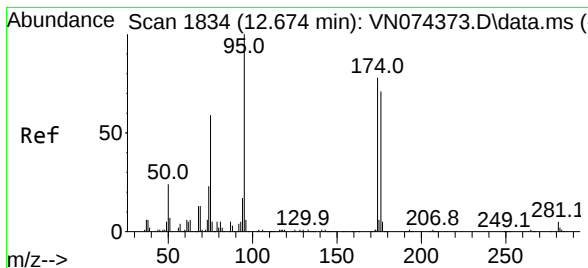
Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 90.3 26.9 40.3#
58 95.2 52.7 79.1#



#50
Toluene-d8
Concen: 45.318 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 98 Resp: 635371
Ion Ratio Lower Upper
98 100
100 65.3 50.6 76.0

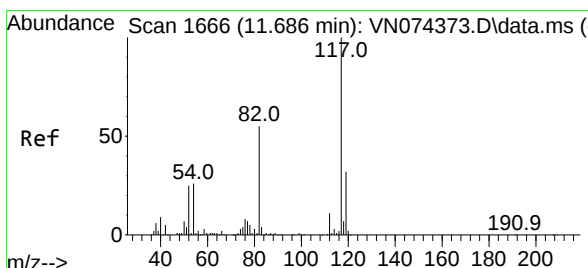
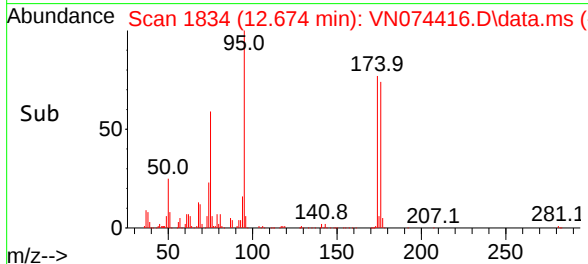
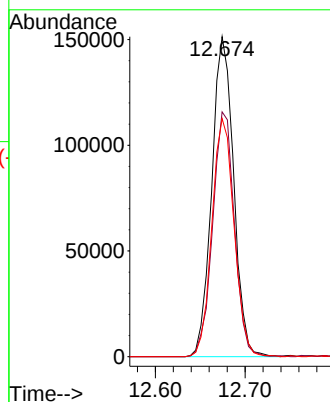
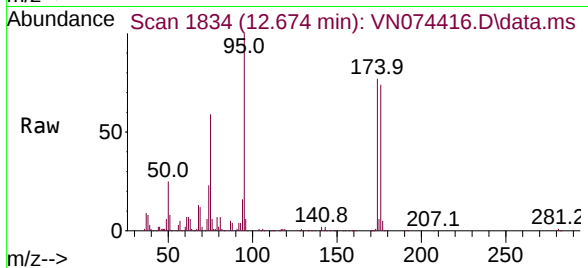




#62
4-Bromofluorobenzene
Concen: 50.268 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

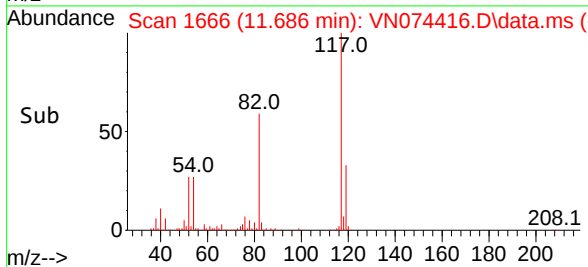
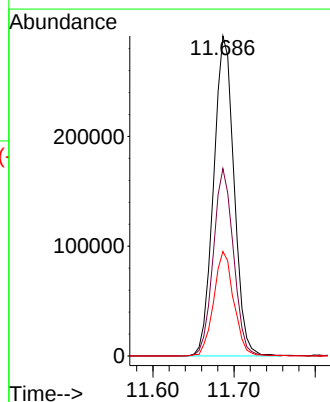
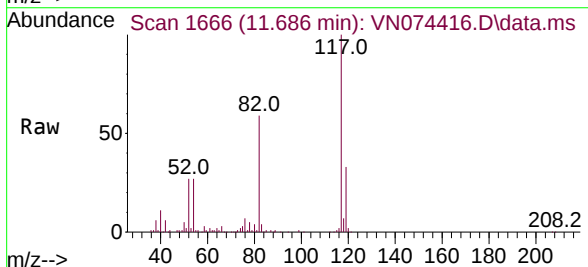
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

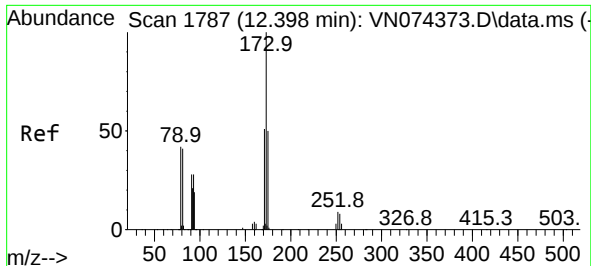
Tgt Ion: 95 Resp: 255881
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.6
176 75.5 0.0 143.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 117 Resp: 510779
Ion Ratio Lower Upper
117 100
82 58.5 44.3 66.5
119 32.7 25.5 38.3

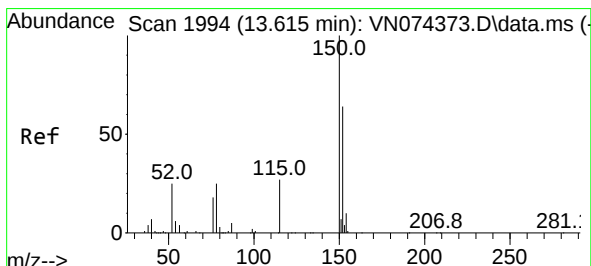
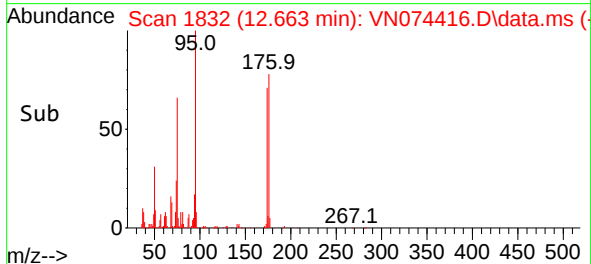
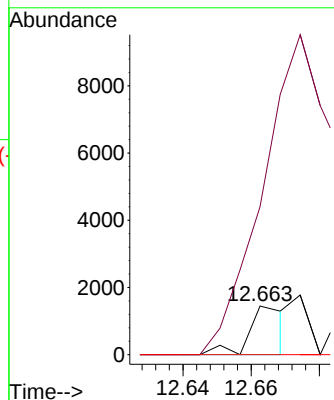
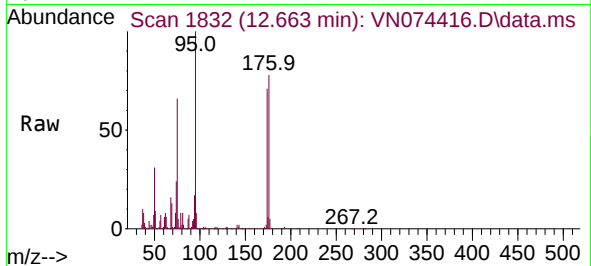




#71
Bromoform
Concen: 0.296 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

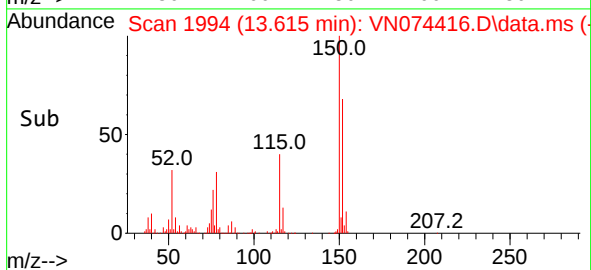
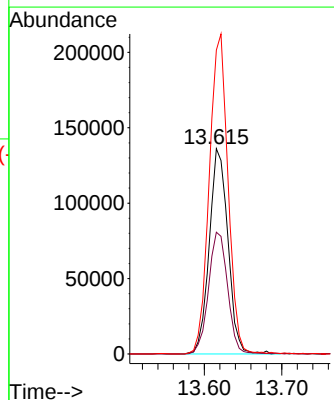
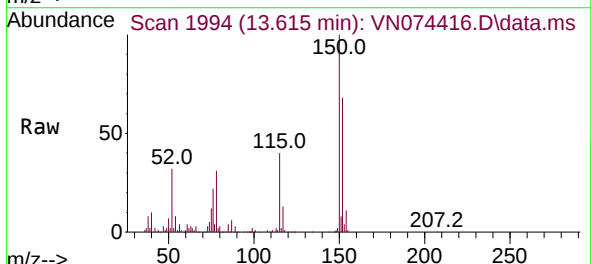
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

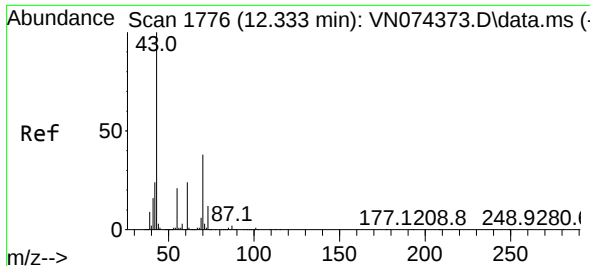
Tgt Ion:173 Resp: 1068
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion:152 Resp: 228100
Ion Ratio Lower Upper
152 100
115 60.5 32.0 96.0
150 155.8 0.0 359.6

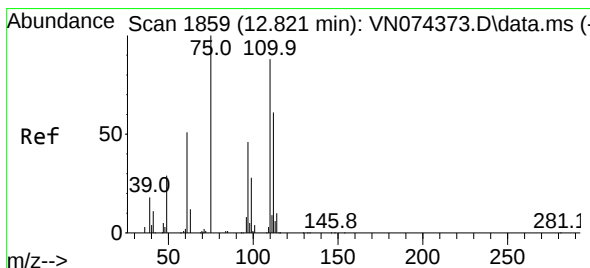
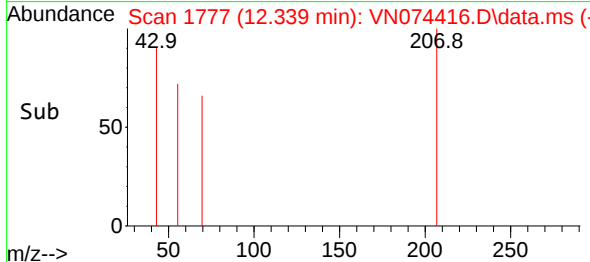
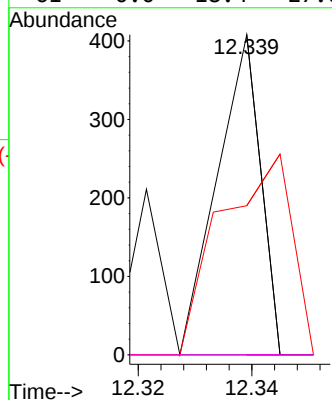
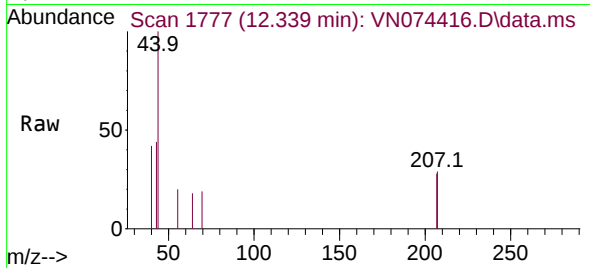




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

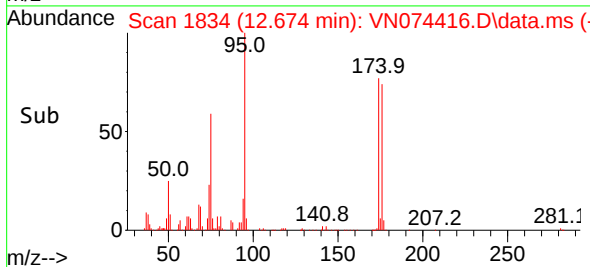
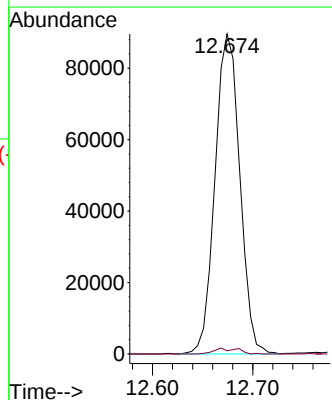
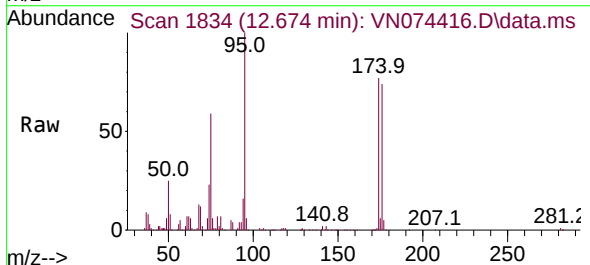
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-RW5-GW-258-260

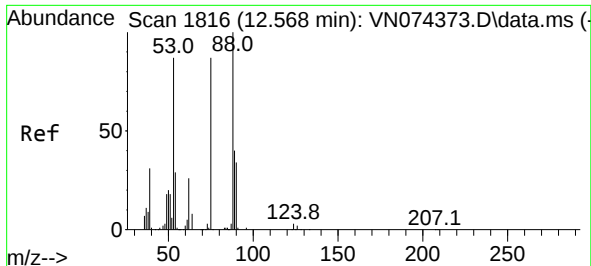
Tgt Ion: 43	Resp: 216
Ion Ratio	Lower Upper
43 100	
70 0.0	31.4 47.0#
55 102.8	17.0 25.6#
61 0.0	18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 25.805 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074416.D
Acq: 12 Sep 2022 18:21

Tgt Ion: 75	Resp: 153872
Ion Ratio	Lower Upper
75 100	
77 1.8	78.9 236.7#

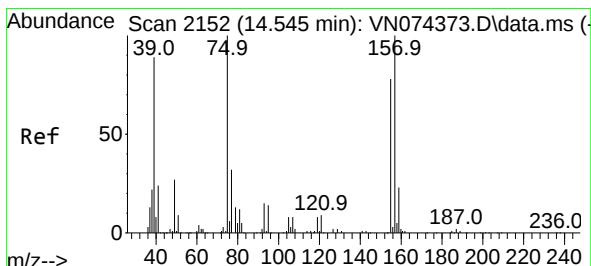
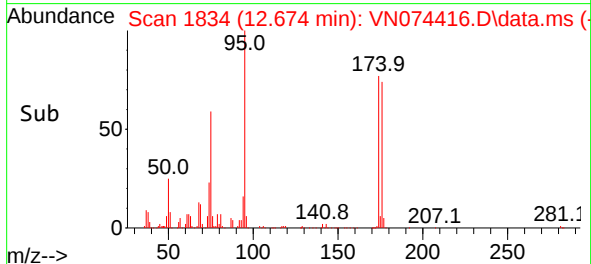
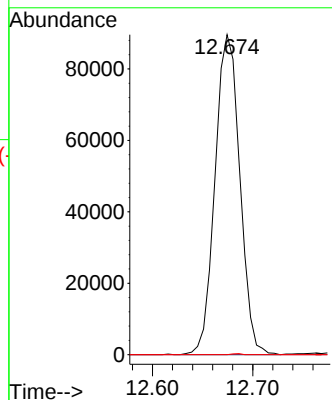
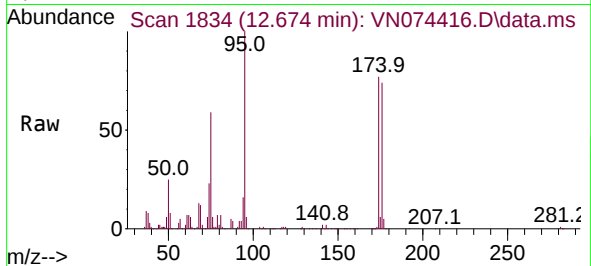




#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.518 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN074416.D
 Acq: 12 Sep 2022 18:21

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-RW5-GW-258-260

Tgt Ion: 75 Resp: 153872
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.2 123.2#
 89 0.1 37.7 56.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.574 min Scan# 2157
 Delta R.T. 0.029 min
 Lab File: VN074416.D
 Acq: 12 Sep 2022 18:21

Tgt Ion: 75 Resp: 58
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

