

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074528.D
 Acq On : 13 Oct 2022 14:40
 Operator : VA/SY
 Sample : N5100-05
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW5-GW-863-865

Quant Time: Oct 13 16:57:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101122S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 12 13:14:00 2022
 Response via : Initial Calibration

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

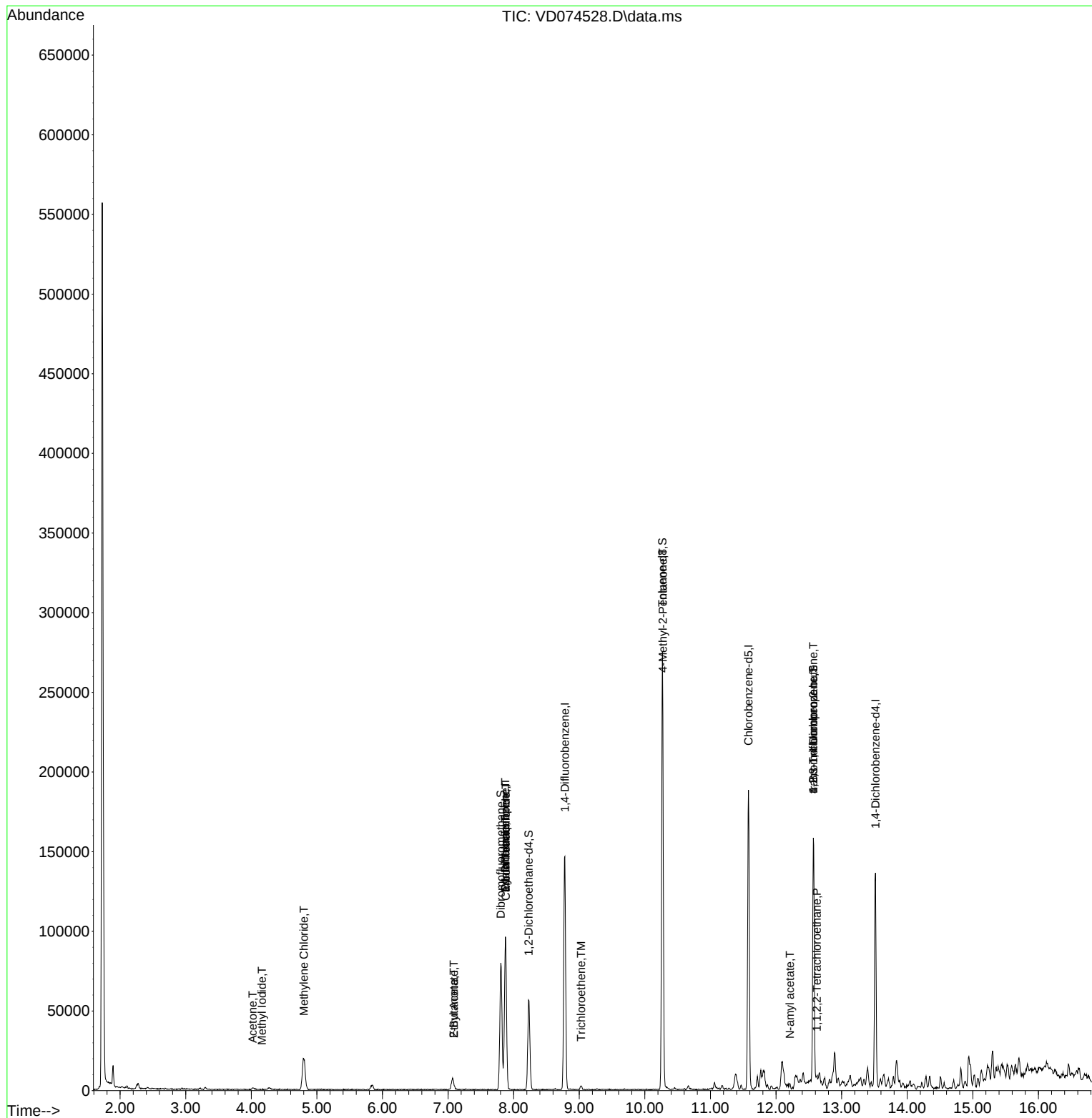
Internal Standards						
1) Pentafluorobenzene	7.875	168	77976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	141541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	117178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	38265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43819	65.286	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.580%		
35) Dibromofluoromethane	7.804	113	57971	69.043	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 138.080%		
50) Toluene-d8	10.269	98	194724	59.747	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 119.500%		
62) 4-Bromofluorobenzene	12.569	95	47988	47.998	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 96.000%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.163	142	218	5.460	ug/l #	43
11) Tert butyl alcohol	5.045	59	65	Below Cal	#	84
16) Acetone	4.022	43	1410	9.739	ug/l	97
20) Methylene Chloride	4.804	84	17392	9.025	ug/l	92
25) 2-Butanone	7.087	43	589	2.947	ug/l #	42
31) Cyclohexane	7.875	56	1631	1.142	ug/l #	26
36) 1,1-Dichloropropene	7.875	75	5406	3.980	ug/l #	46
37) Ethyl Acetate	7.087	43	589	1.321	ug/l #	66
38) Carbon Tetrachloride	7.881	117	7291	5.805	ug/l #	14
44) Trichloroethene	9.028	130	1190	1.029	ug/l	82
51) 4-Methyl-2-Pentanone	10.275	43	611	1.508	ug/l #	1
74) N-amyl acetate	12.210	43	1146	2.377	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.622	83	631	1.296	ug/l #	36
76) 1,2,3-Trichloropropane	12.569	75	22968	70.235	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	22968	178.158	ug/l #	17

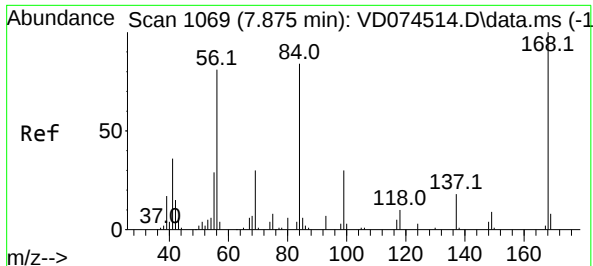
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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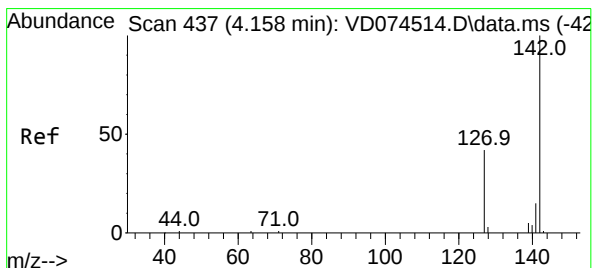
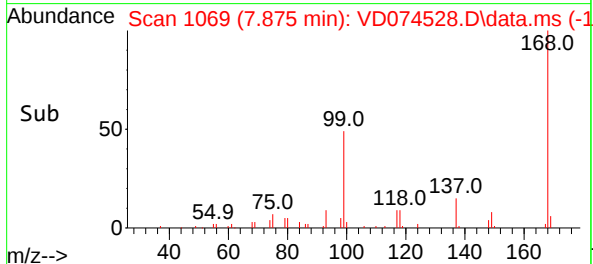
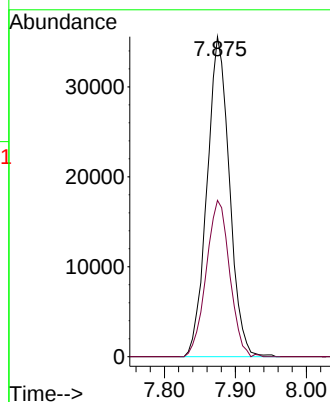
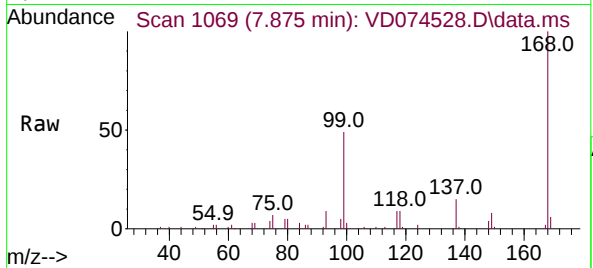




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

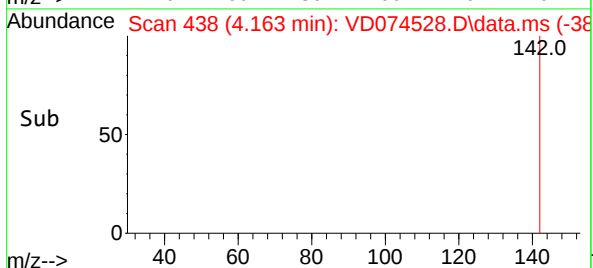
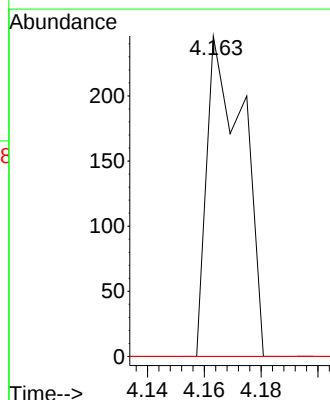
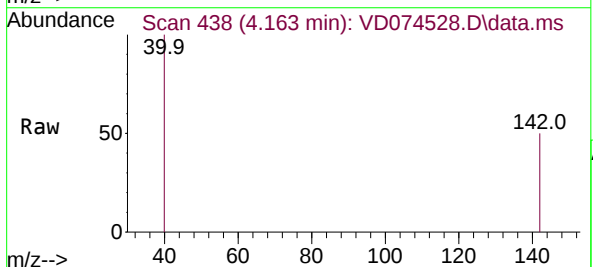
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

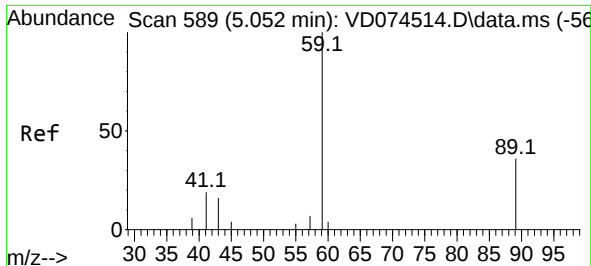
Tgt Ion:168 Resp: 77976
Ion Ratio Lower Upper
168 100
99 48.9 40.9 61.3



#10
Methyl Iodide
Concen: 5.460 ug/l
RT: 4.163 min Scan# 438
Delta R.T. 0.005 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

Tgt Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.045 min Scan# 51

Delta R.T. -0.007 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

Instrument :

MSVOA_D

ClientSampleId :

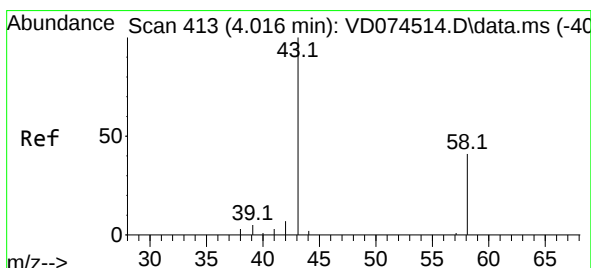
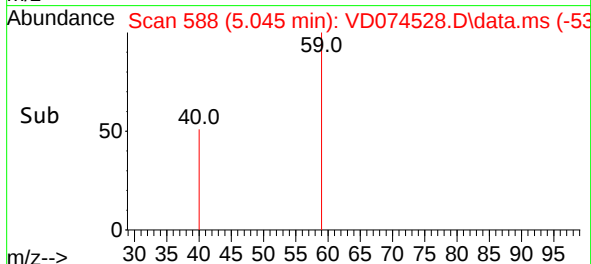
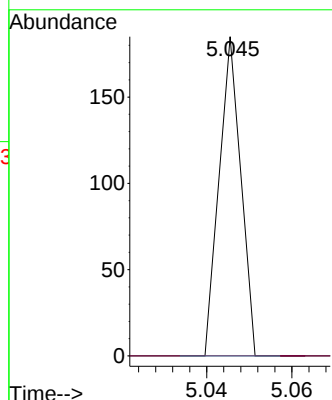
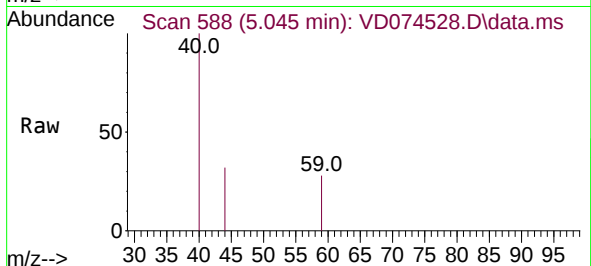
BP-VPB-RW5-GW-863-865

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 4.4 6.6#



#16

Acetone

Concen: 9.739 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD074528.D

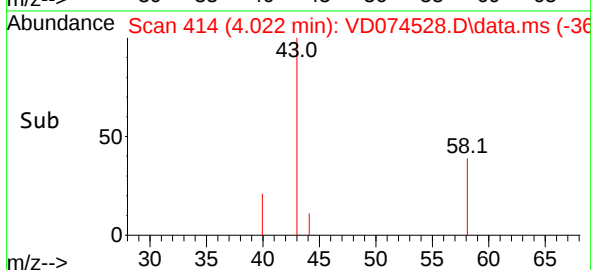
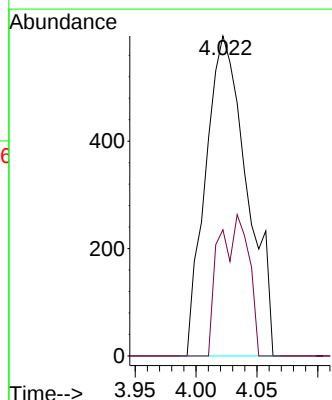
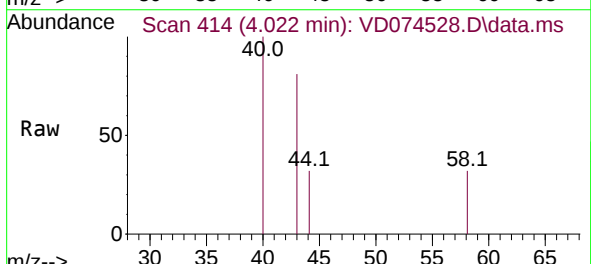
Acq: 13 Oct 2022 14:40

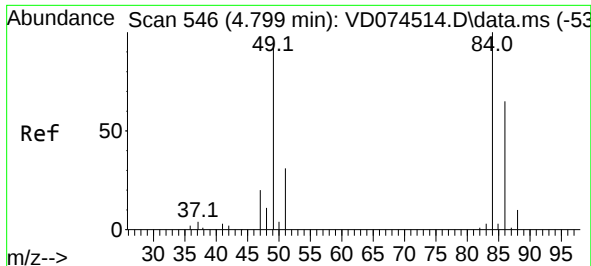
Tgt Ion: 43 Resp: 1410

Ion Ratio Lower Upper

43 100

58 39.4 30.2 45.2

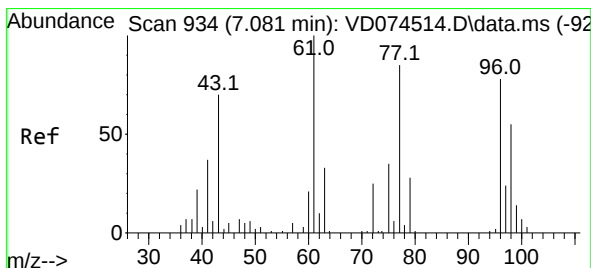
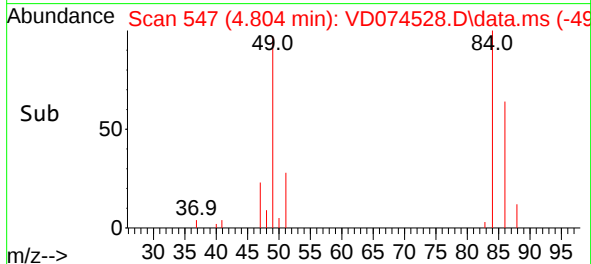
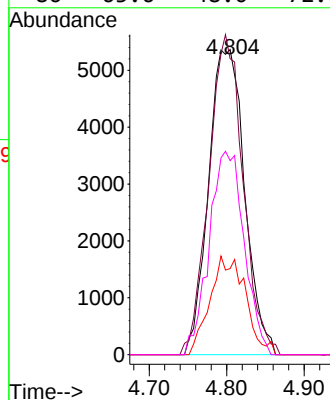
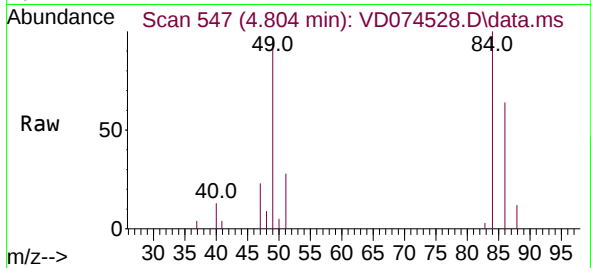




#20
Methylene Chloride
Concen: 9.025 ug/l
RT: 4.804 min Scan# 546
Delta R.T. 0.005 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

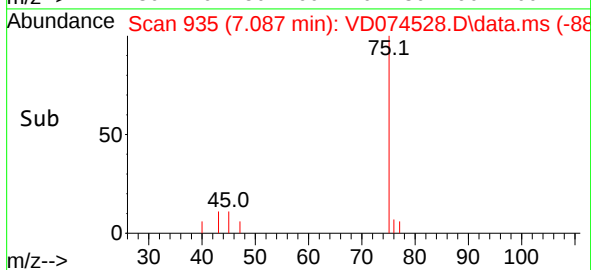
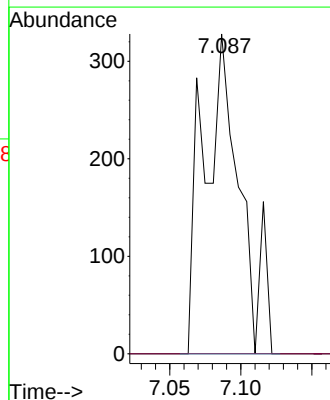
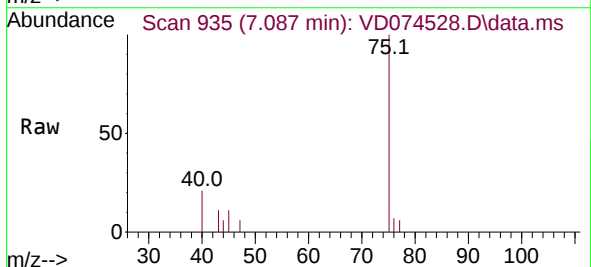
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

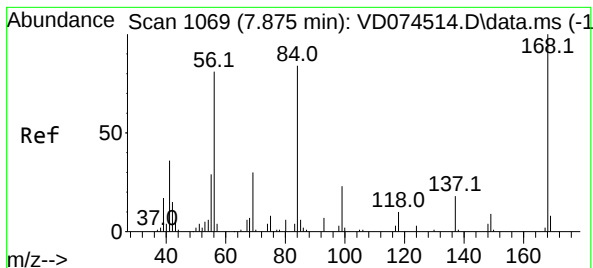
Tgt Ion: 84	Resp: 17392
Ion Ratio	Lower Upper
84 100	
49 97.0	68.0 102.0
51 28.2	23.2 34.8
86 63.6	48.0 72.0



#25
2-Butanone
Concen: 2.947 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

Tgt Ion: 43	Resp: 589		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	25.8	38.8#	





#31

Cyclohexane

Concen: 1.142 ug/l

RT: 7.875 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD074528.D

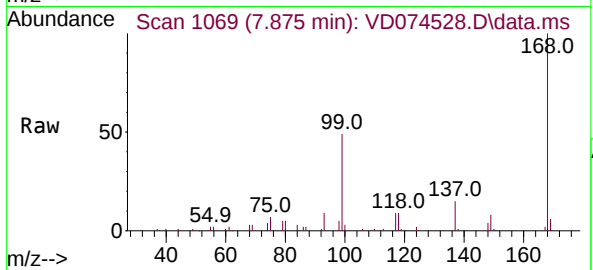
Acq: 13 Oct 2022 14:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865



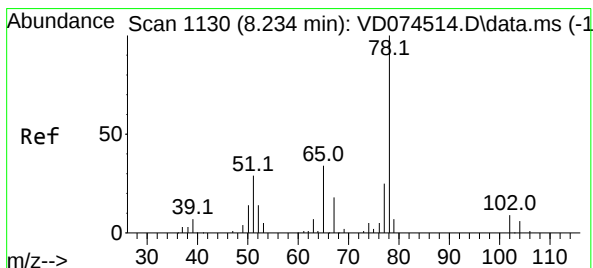
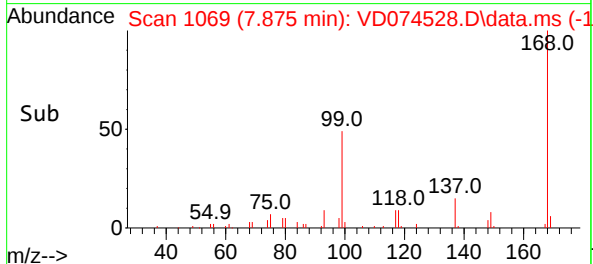
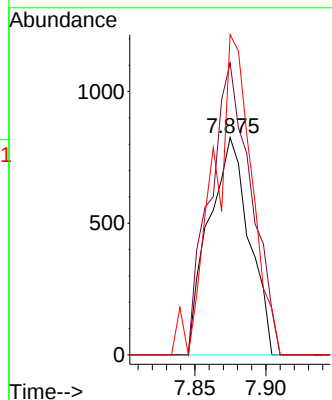
Tgt Ion: 56 Resp: 1631

Ion Ratio Lower Upper

56 100

69 134.4 29.2 43.8#

84 147.4 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 65.286 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074528.D

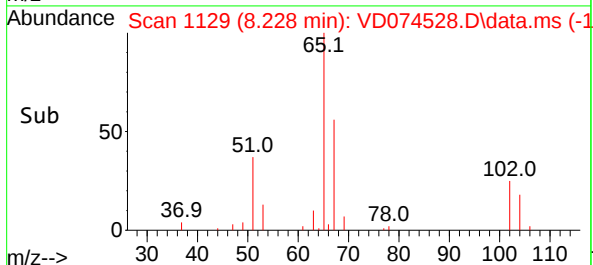
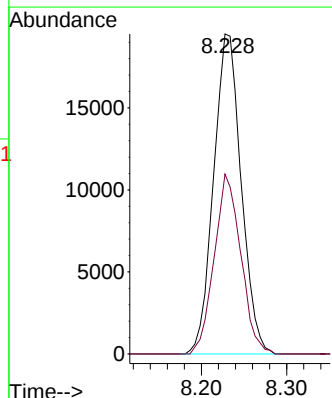
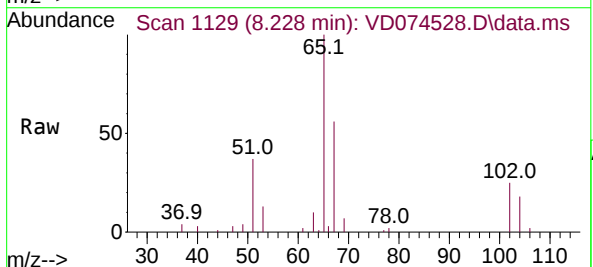
Acq: 13 Oct 2022 14:40

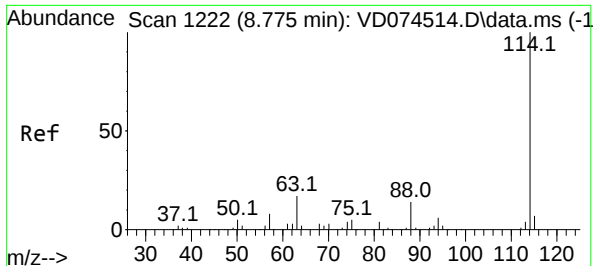
Tgt Ion: 65 Resp: 43819

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865

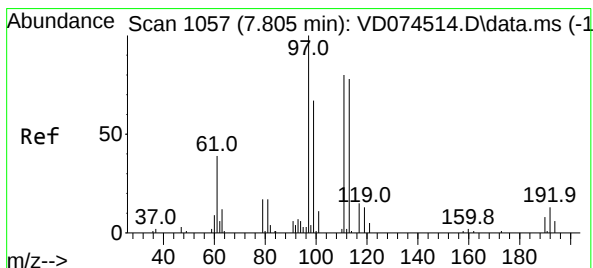
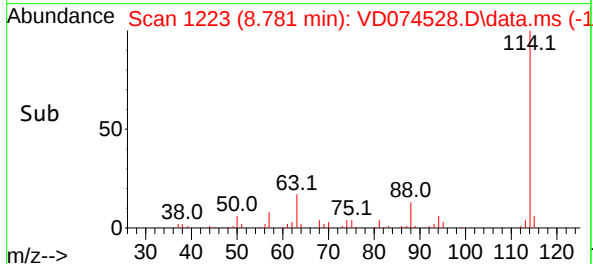
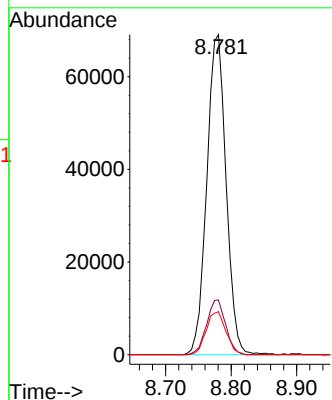
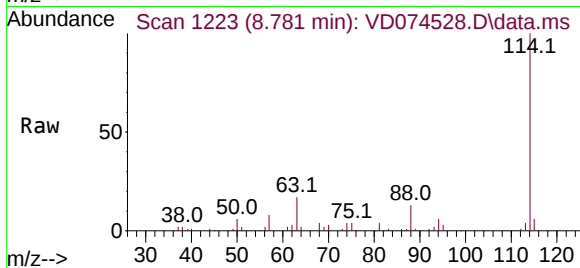
Tgt Ion:114 Resp: 141541

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 13.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 69.043 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

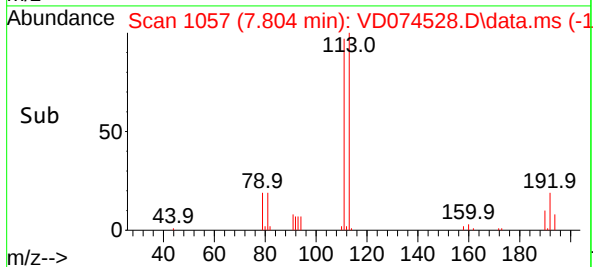
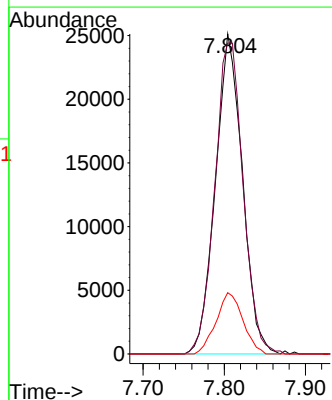
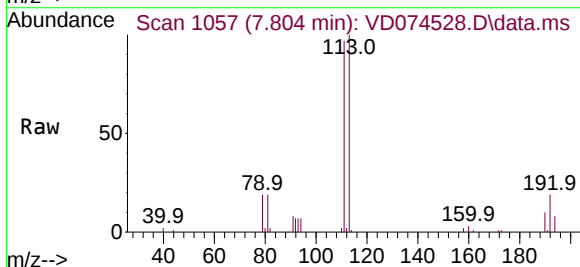
Tgt Ion:113 Resp: 57971

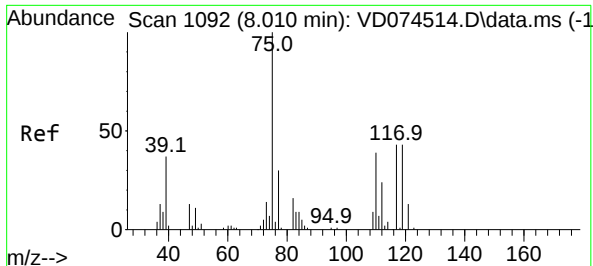
Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 19.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 3.980 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

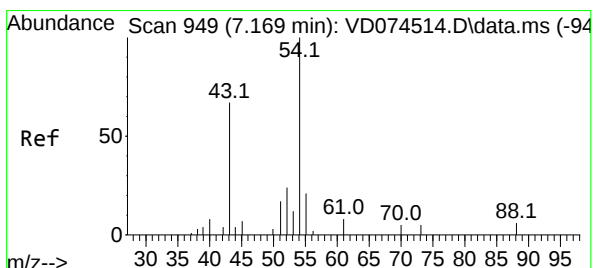
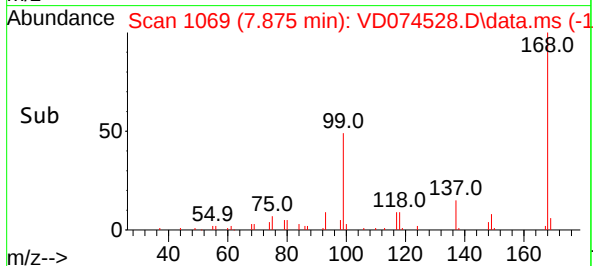
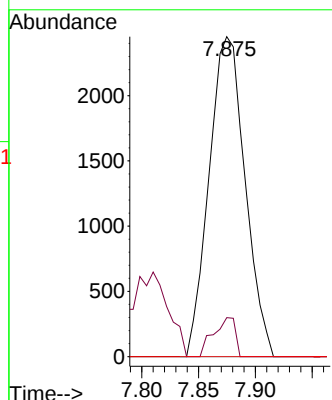
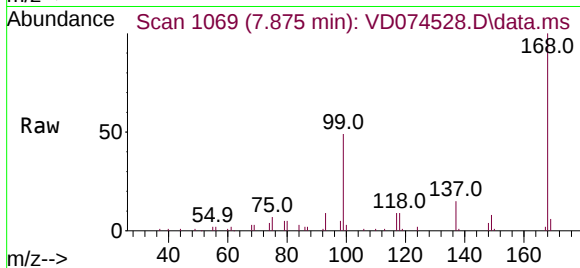
Instrument :

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ClientSampleId :

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Tgt Ion:	75	Resp:	5406
Ion	Ratio	Lower	Upper
75	100		
110	7.4	19.7	59.0#
77	0.0	25.4	38.2#



#37

Ethyl Acetate

Concen: 1.321 ug/l

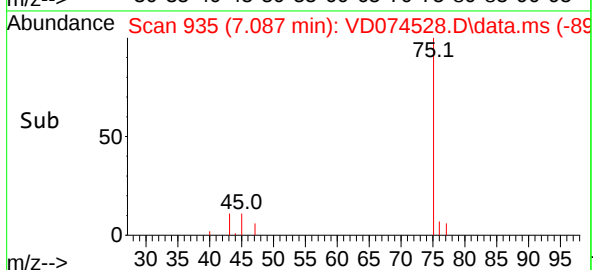
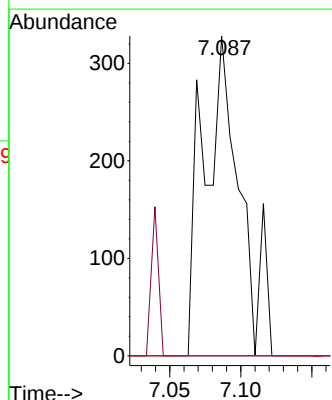
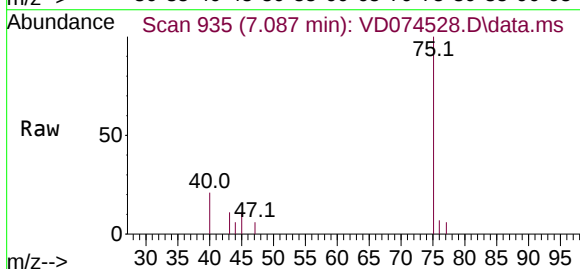
RT: 7.087 min Scan# 935

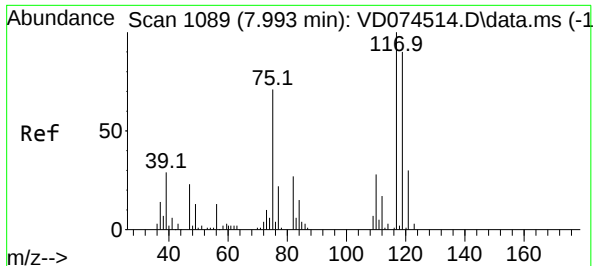
Delta R.T. -0.082 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

Tgt Ion:	43	Resp:	589
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.6	14.4#





#38

Carbon Tetrachloride

Concen: 5.805 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074528.D

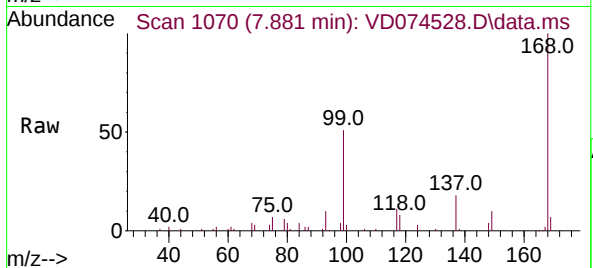
Acq: 13 Oct 2022 14:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865



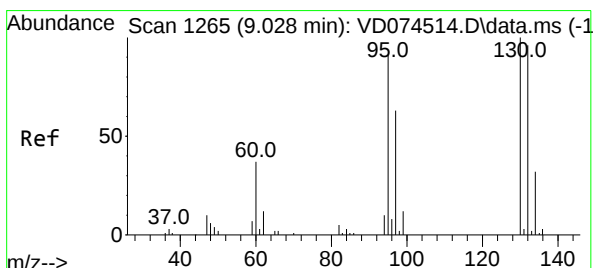
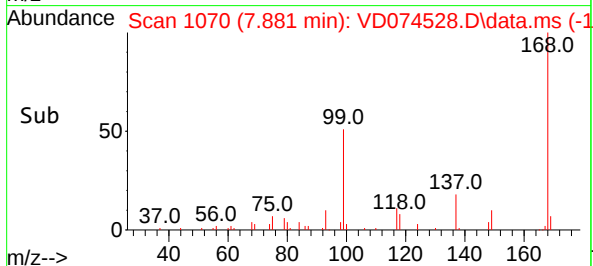
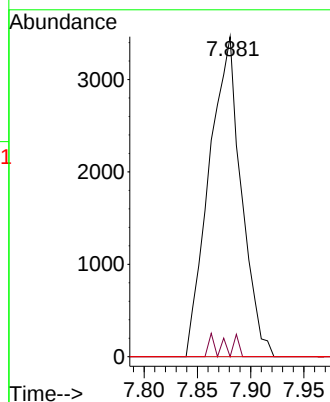
Tgt Ion:117 Resp: 7291

Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#



#44

Trichloroethene

Concen: 1.029 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD074528.D

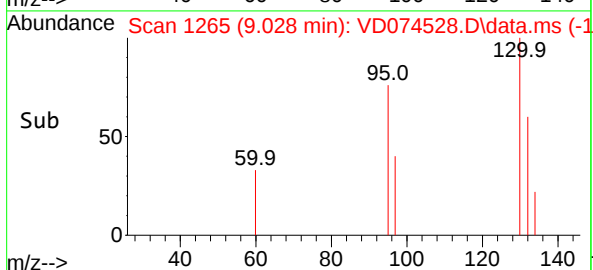
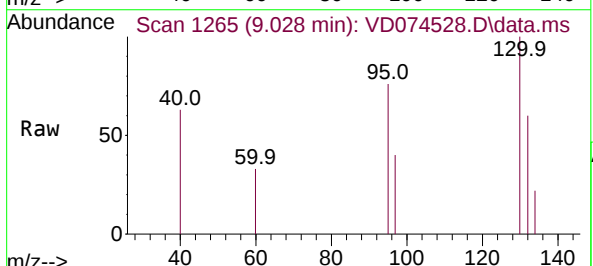
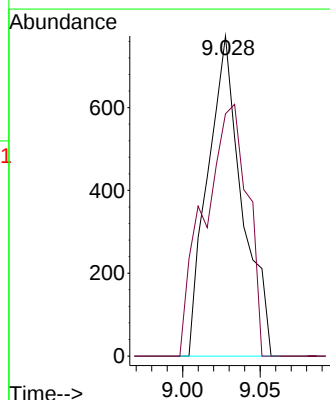
Acq: 13 Oct 2022 14:40

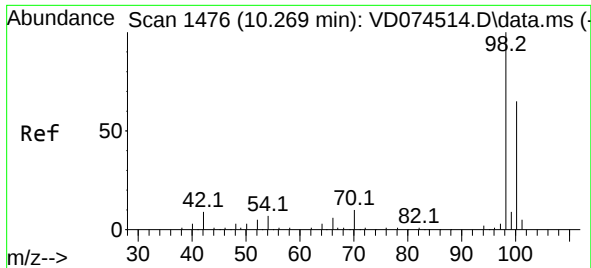
Tgt Ion:130 Resp: 1190

Ion Ratio Lower Upper

130 100

95 75.7 0.0 185.4

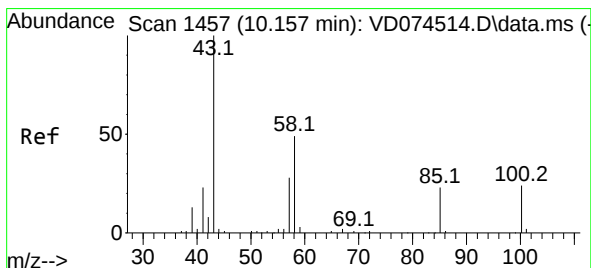
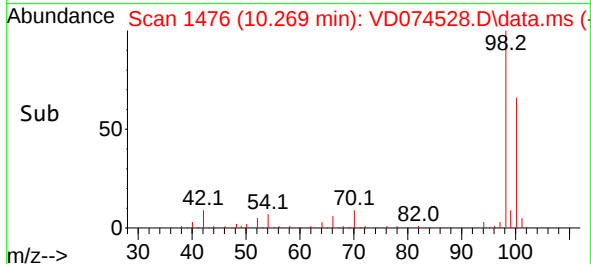
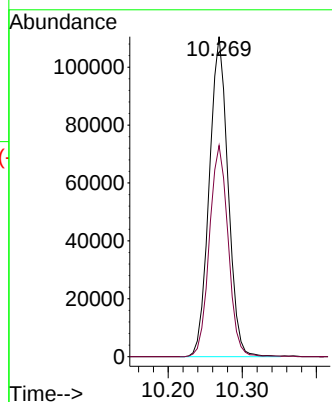
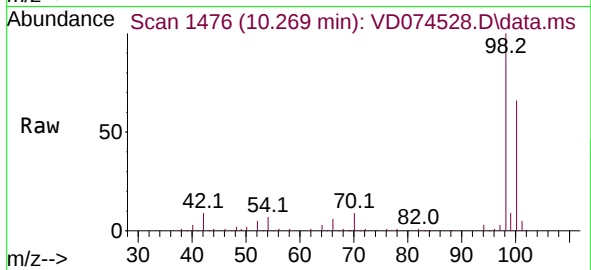




#50
Toluene-d8
Concen: 59.747 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

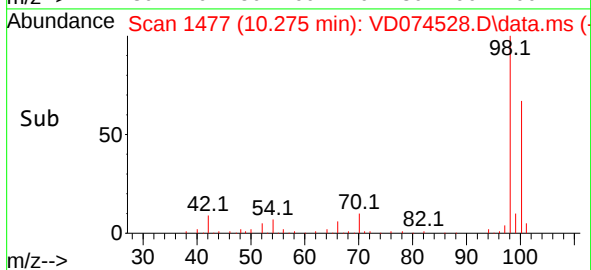
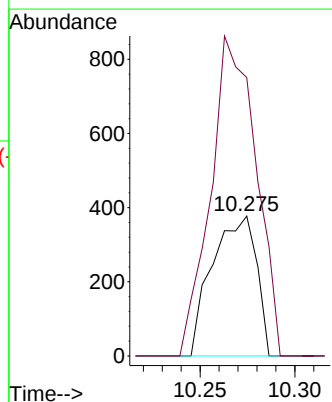
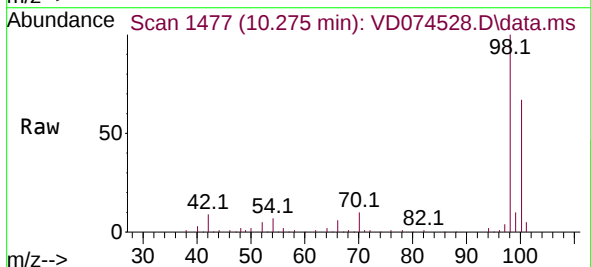
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

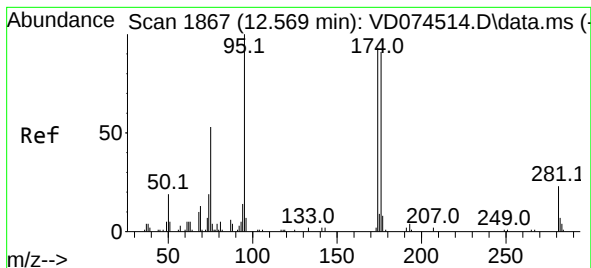
Tgt Ion: 98 Resp: 194724
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.508 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
58 234.9 37.8 56.6#

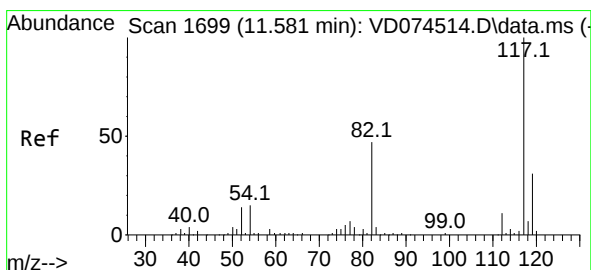
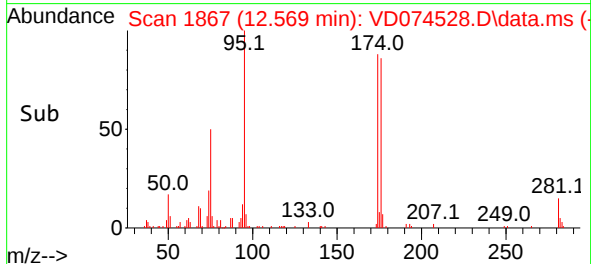
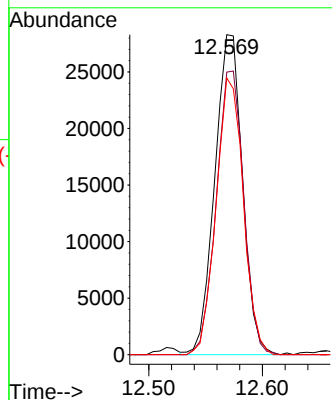
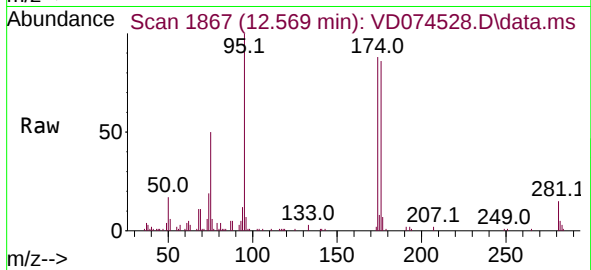




#62
4-Bromofluorobenzene
Concen: 47.998 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

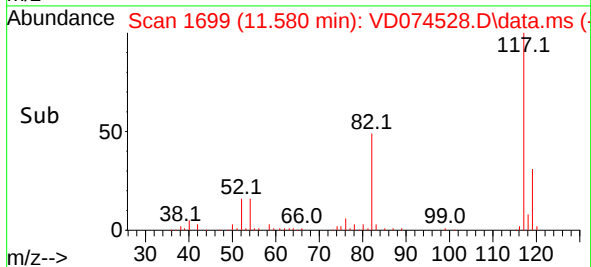
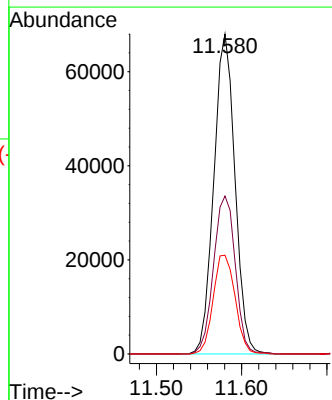
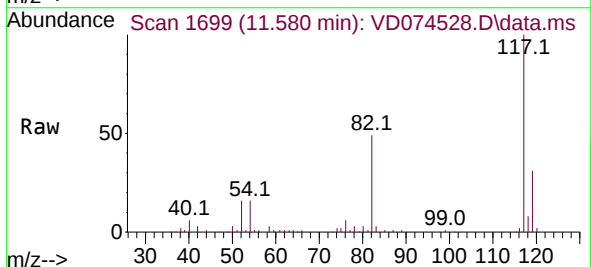
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

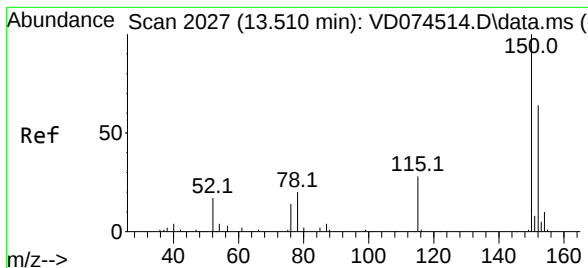
Tgt Ion: 95 Resp: 47988
Ion Ratio Lower Upper
95 100
174 87.8 0.0 197.0
176 84.8 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.001 min
Lab File: VD074528.D
Acq: 13 Oct 2022 14:40

Tgt Ion: 117 Resp: 117178
Ion Ratio Lower Upper
117 100
82 49.4 41.6 62.4
119 30.8 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865

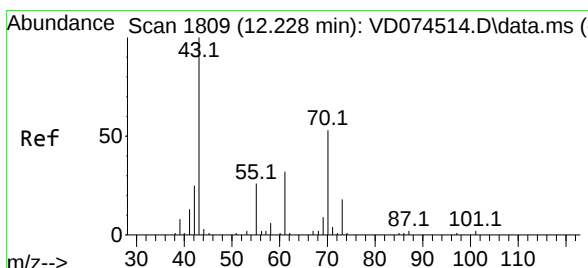
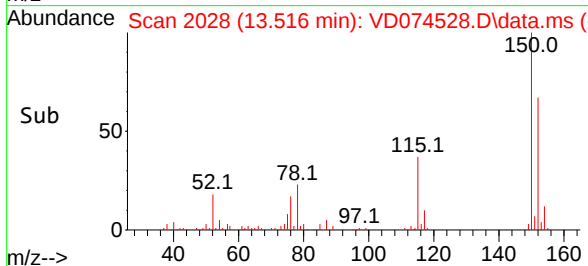
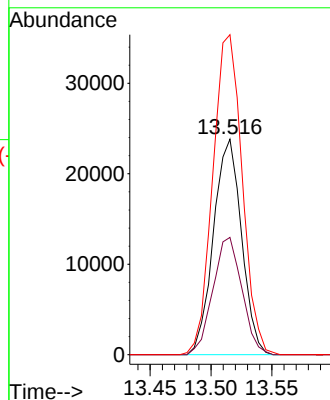
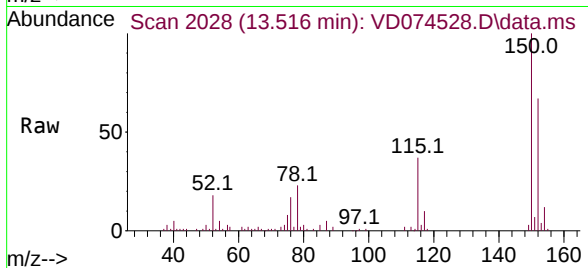
Tgt Ion:152 Resp: 38265

Ion Ratio Lower Upper

152 100

115 56.2 26.8 80.4

150 155.3 0.0 348.2



#74

N-ethyl acetate

Concen: 2.377 ug/l

RT: 12.210 min Scan# 1806

Delta R.T. -0.018 min

Lab File: VD074528.D

Acq: 13 Oct 2022 14:40

Tgt Ion: 43 Resp: 1146

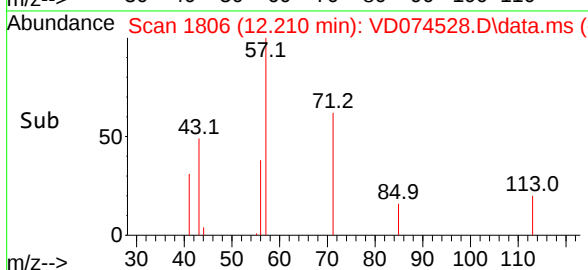
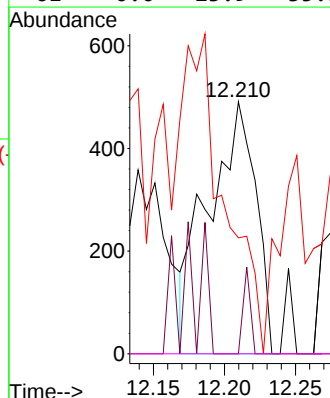
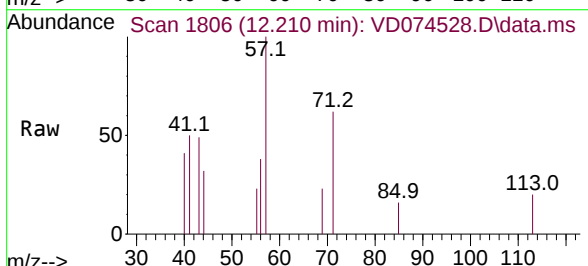
Ion Ratio Lower Upper

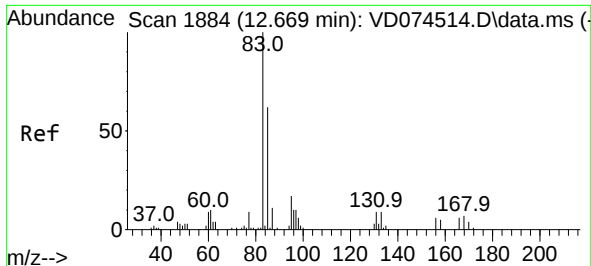
43 100

70 0.0 43.8 65.6#

55 0.0 22.0 33.0#

61 0.0 23.9 35.9#

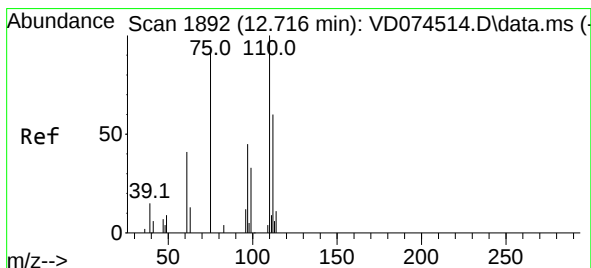
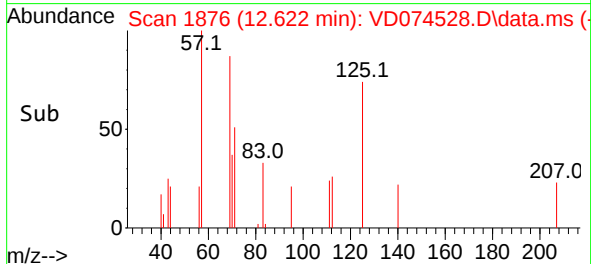
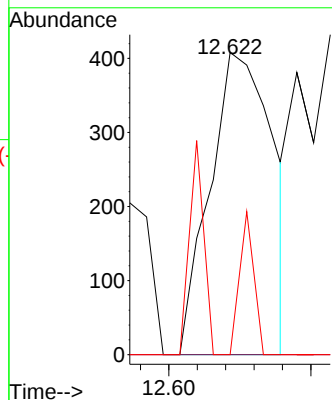
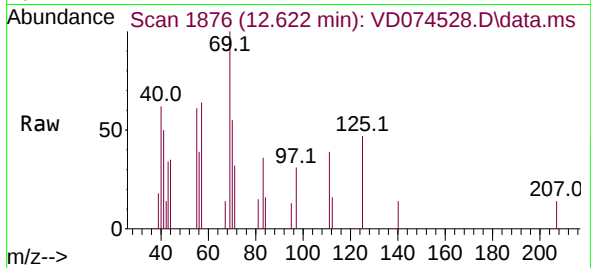




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.296 ug/l
 RT: 12.622 min Scan# 1867
 Delta R.T. -0.047 min
 Lab File: VD074528.D
 Acq: 13 Oct 2022 14:40

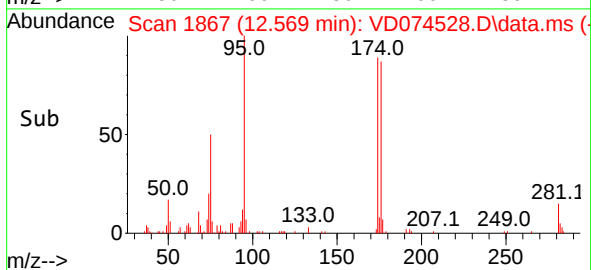
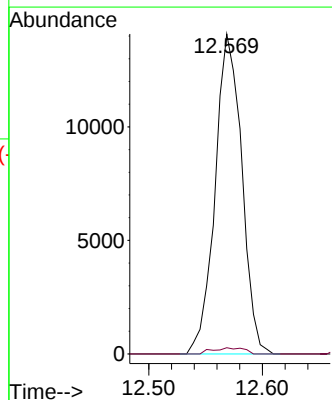
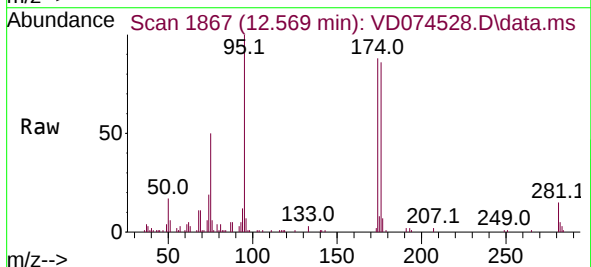
Instrument : MSVOA_D
 ClientSampleId : BP-VPB-RW5-GW-863-865

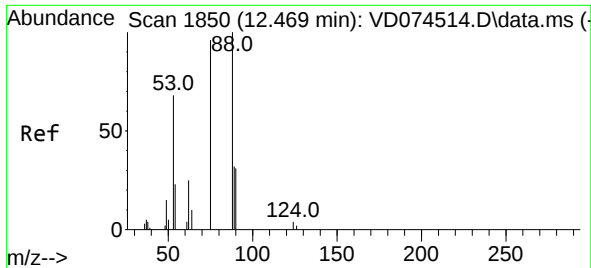
Tgt Ion: 83 Resp: 631
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.1#
 85 10.8 33.1 99.2#



#76
 1,2,3-Trichloropropane
 Concen: 70.235 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074528.D
 Acq: 13 Oct 2022 14:40

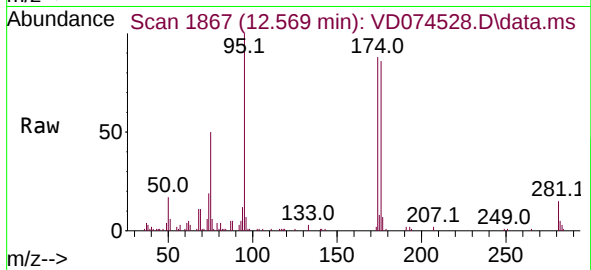
Tgt Ion: 75 Resp: 22968
 Ion Ratio Lower Upper
 75 100
 77 2.3 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.158 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074528.D
 Acq: 13 Oct 2022 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW5-GW-863-865



Tgt Ion:	75	Resp:	22968
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.6#
89	0.0	38.2	57.4#

