

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101322\
 Data File : VD074530.D
 Acq On : 13 Oct 2022 15:36
 Operator : VA/SY
 Sample : N5100-05RE
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 13 16:58:37 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)

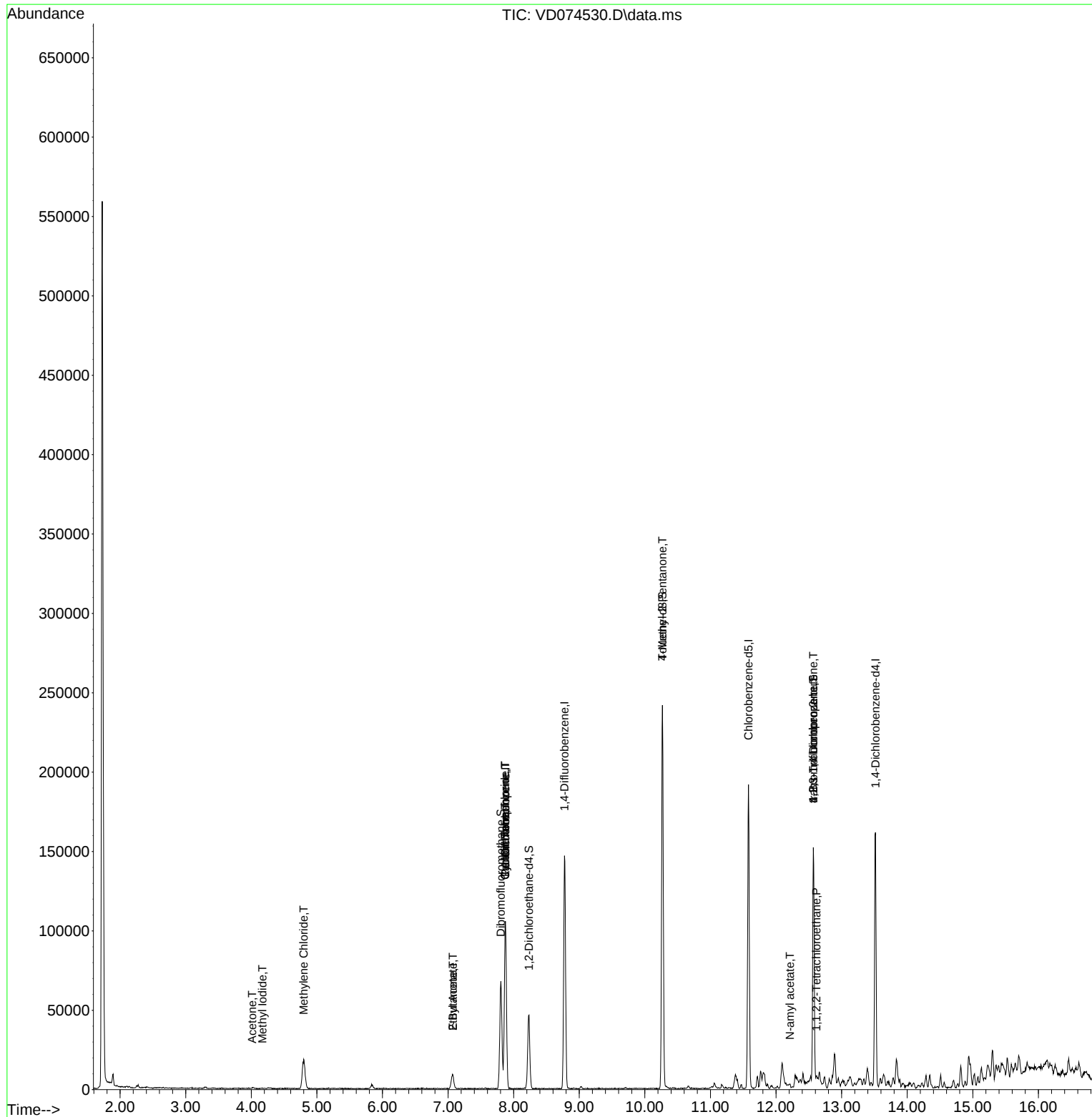
Internal Standards						
1) Pentafluorobenzene	7.875	168	85467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	140375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	119277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36449	49.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.804	113	49288	58.773	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	117.540%
50) Toluene-d8	10.269	98	176938	54.885	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.780%
62) 4-Bromofluorobenzene	12.569	95	45610	45.742	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.480%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	78	5.362	ug/l #	43
16) Acetone	4.016	43	607	3.825	ug/l #	84
20) Methylene Chloride	4.799	84	16125	6.457	ug/l #	96
25) 2-Butanone	7.075	43	530	2.419	ug/l #	42
31) Cyclohexane	7.869	56	1602	1.023	ug/l #	29
36) 1,1-Dichloropropene	7.875	75	6144	4.561	ug/l #	47
37) Ethyl Acetate	7.075	43	530	1.199	ug/l #	66
38) Carbon Tetrachloride	7.869	117	8702	6.986	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	583	1.451	ug/l #	1
74) N-amyl acetate	12.210	43	852	1.506	ug/l #	57
75) 1,1,2,2-Tetrachloroethane	12.616	83	702	1.229	ug/l #	33
76) 1,2,3-Trichloropropane	12.569	75	22922	59.747	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	22922	151.554	ug/l #	17

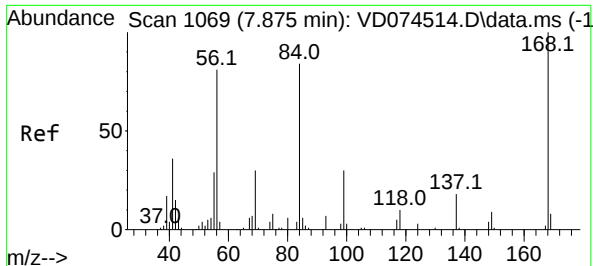
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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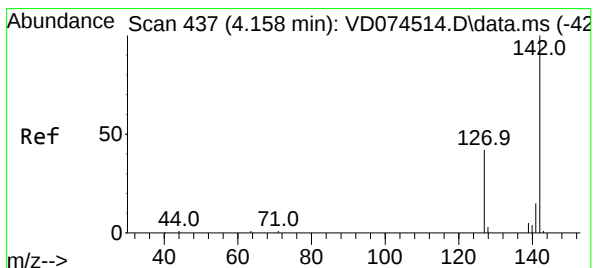
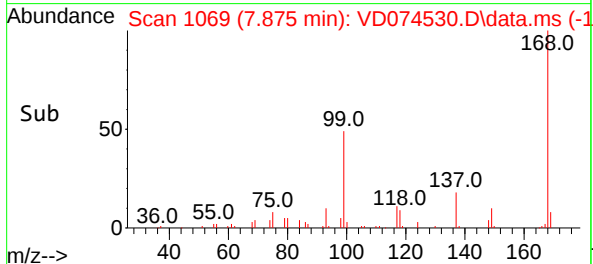
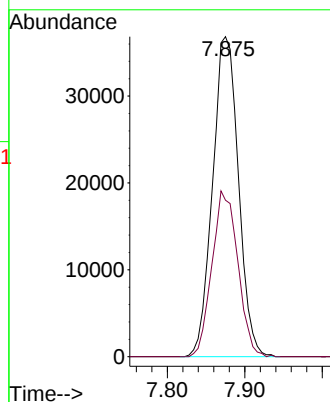
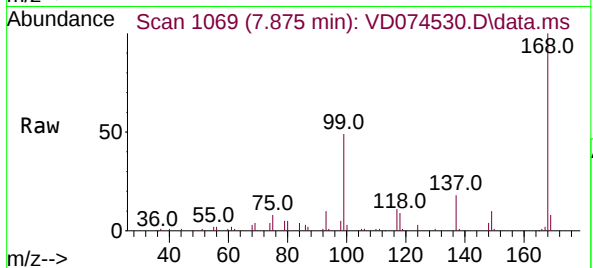




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

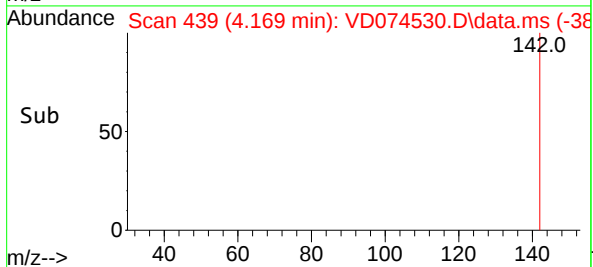
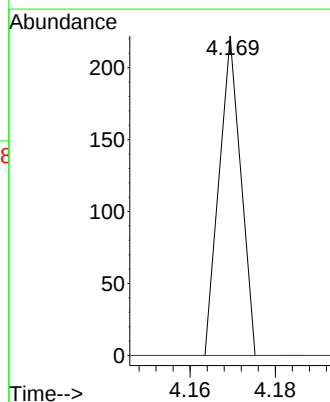
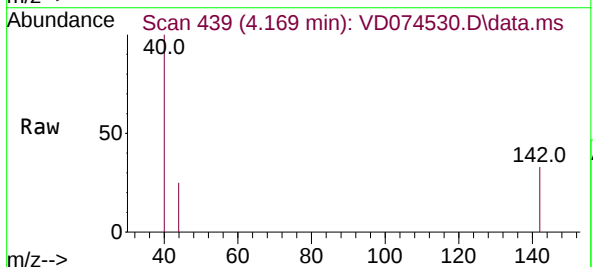
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

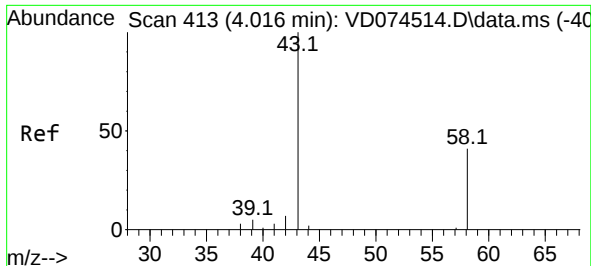
Tgt Ion:168 Resp: 85467
Ion Ratio Lower Upper
168 100
99 48.9 40.9 61.3



#10
Methyl Iodide
Concen: 5.362 ug/l
RT: 4.169 min Scan# 439
Delta R.T. 0.011 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 3.825 ug/l

RT: 4.016 min Scan# 413

Delta R.T. -0.006 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

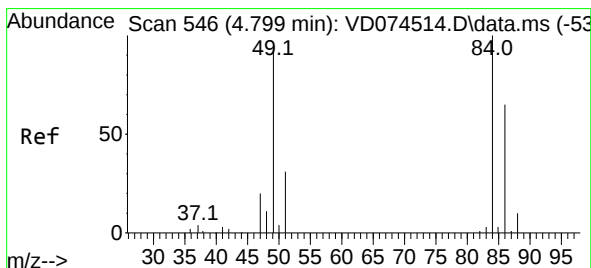
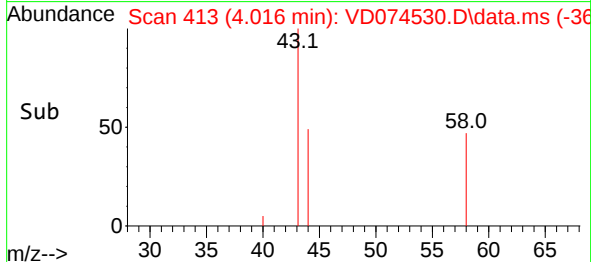
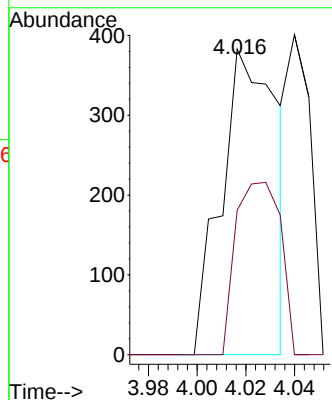
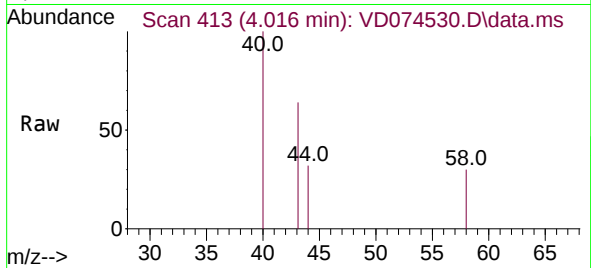
BP-VPB-RW5-GW-863-865

Tgt Ion: 43 Resp: 607

Ion Ratio Lower Upper

43 100

58 47.3 30.2 45.2#



#20

Methylene Chloride

Concen: 6.457 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

Tgt Ion: 84 Resp: 16125

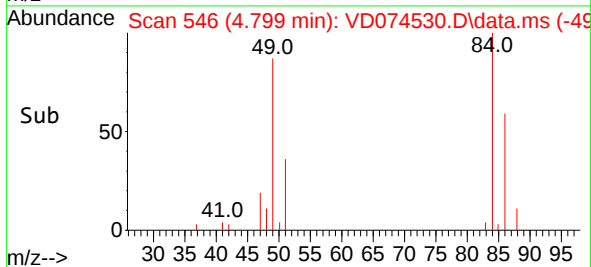
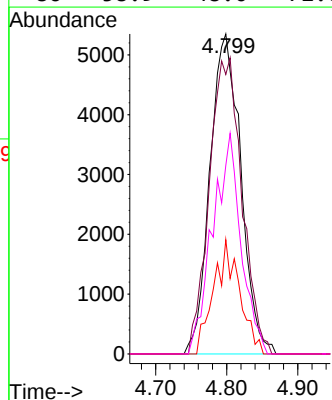
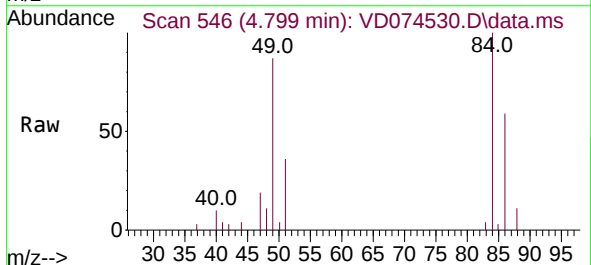
Ion Ratio Lower Upper

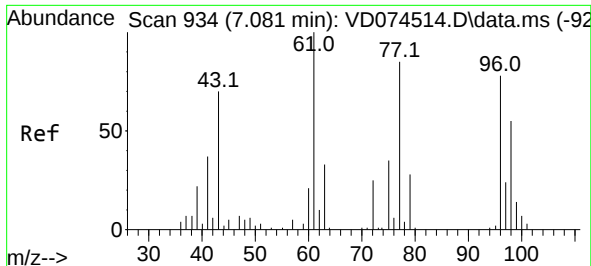
84 100

49 87.4 68.0 102.0

51 35.7 23.2 34.8#

86 58.9 48.0 72.0

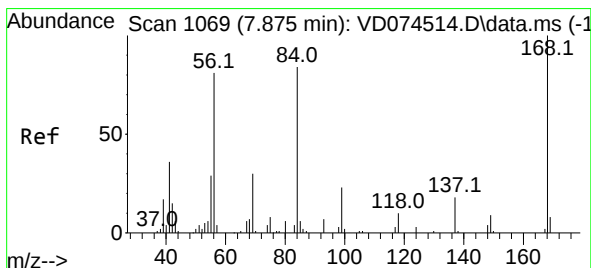
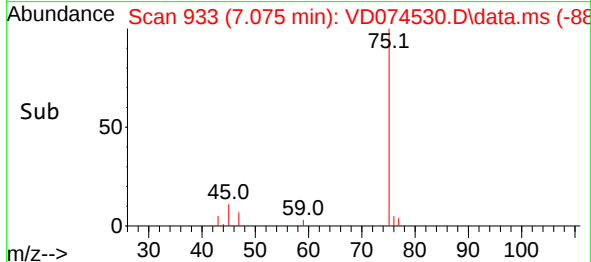
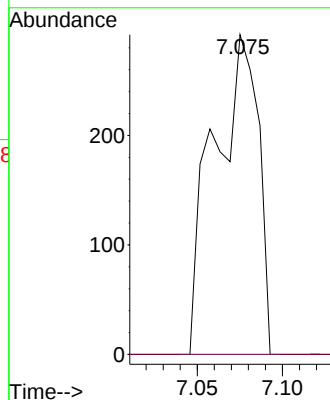
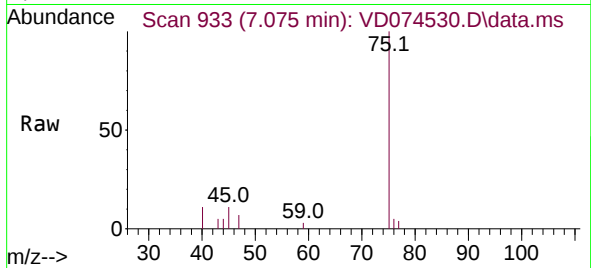




#25
2-Butanone
Concen: 2.419 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

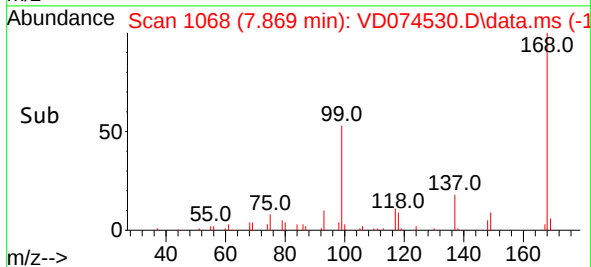
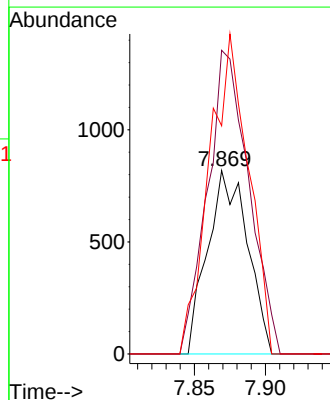
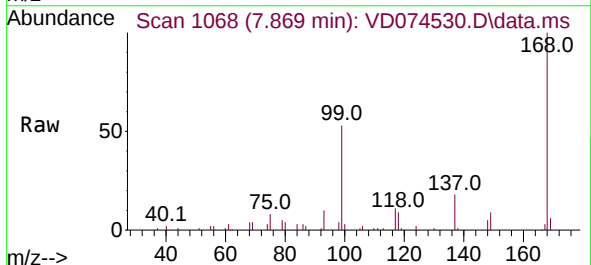
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

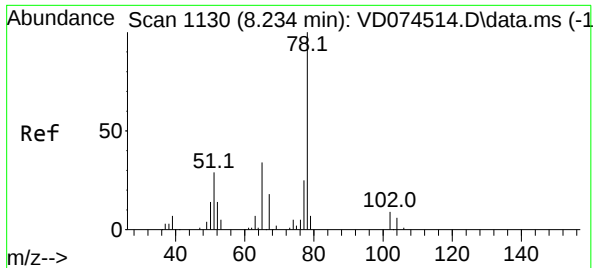
Tgt Ion: 43 Resp: 530
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

Tgt Ion: 56 Resp: 1602
Ion Ratio Lower Upper
56 100
69 165.6 29.2 43.8#
84 124.4 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 49.546 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

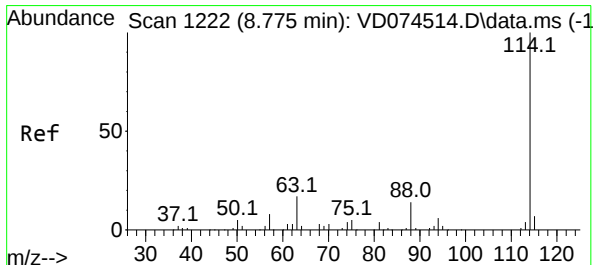
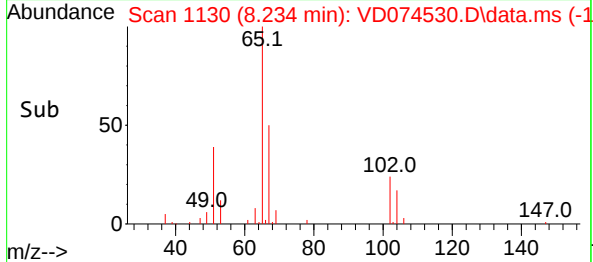
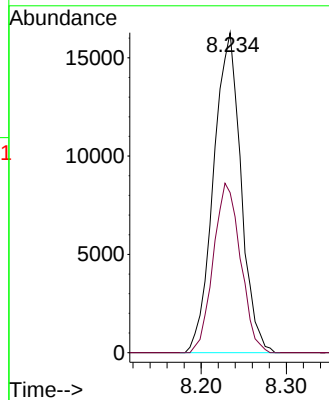
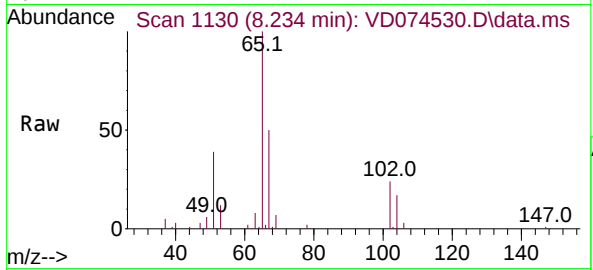
BP-VPB-RW5-GW-863-865

Tgt Ion: 65 Resp: 36449

Ion Ratio Lower Upper

65 100

67 52.5 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

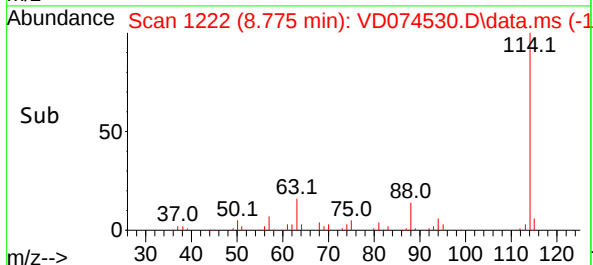
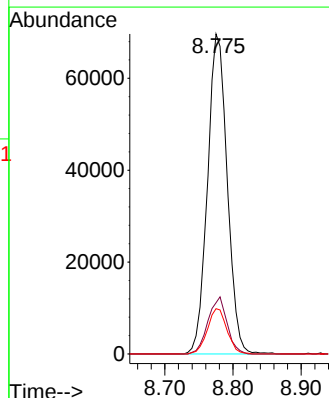
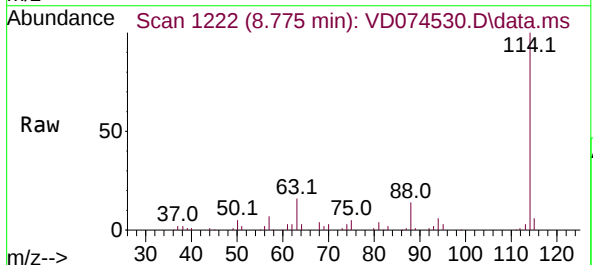
Tgt Ion: 114 Resp: 140375

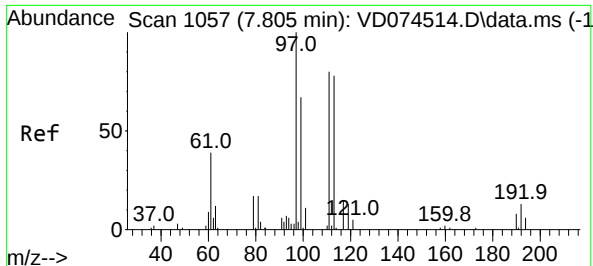
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 14.1 0.0 28.2





#35

Dibromofluoromethane

Concen: 58.773 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865

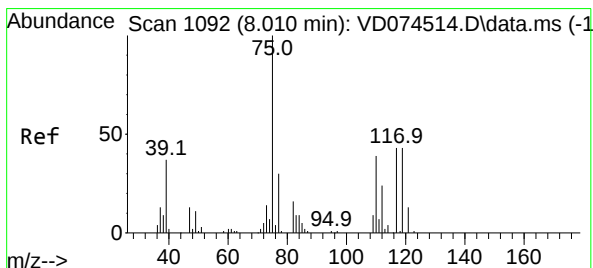
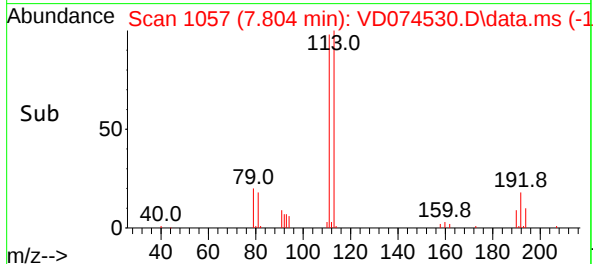
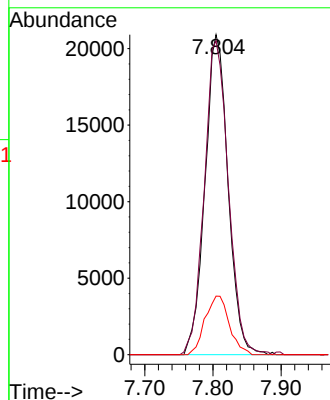
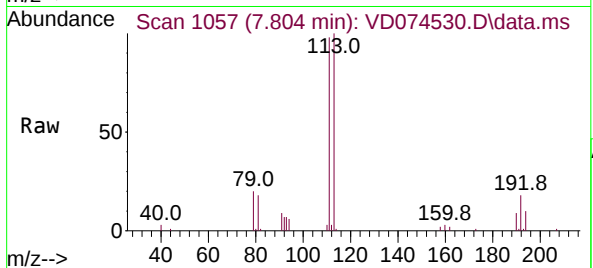
Tgt Ion:113 Resp: 49288

Ion Ratio Lower Upper

113 100

111 102.3 82.3 123.5

192 19.2 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.561 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

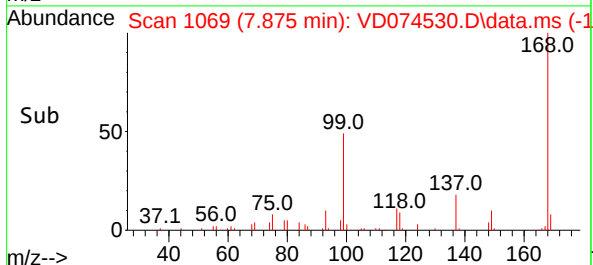
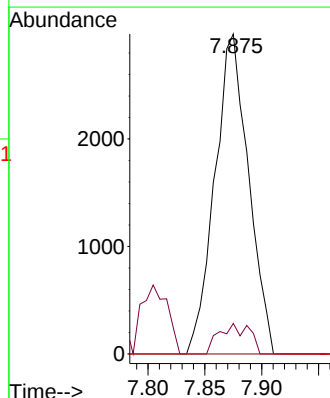
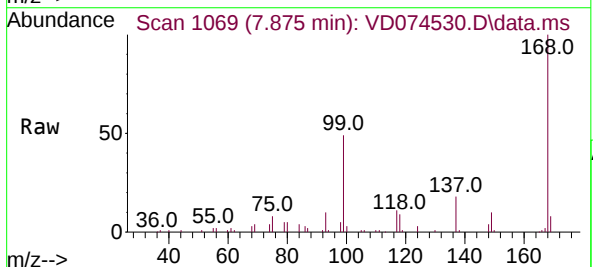
Tgt Ion: 75 Resp: 6144

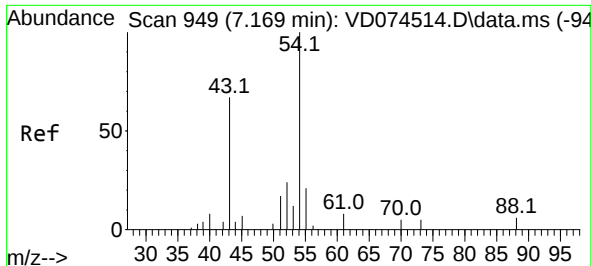
Ion Ratio Lower Upper

75 100

110 8.5 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 1.199 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.094 min

Lab File: VD074530.D

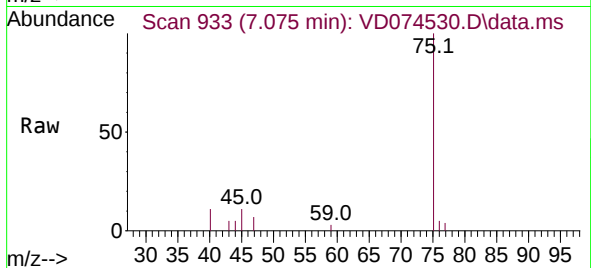
Acq: 13 Oct 2022 15:36

Instrument :

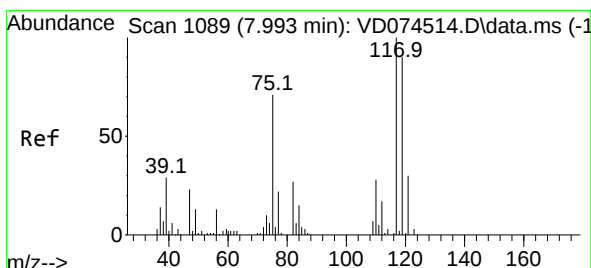
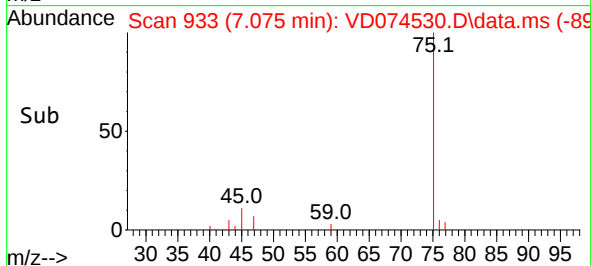
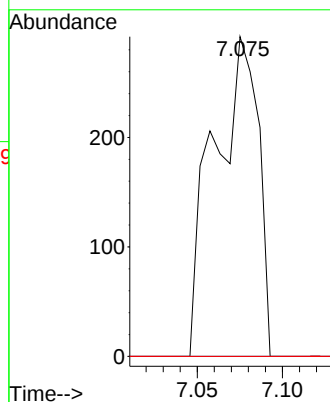
MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865



Tgt Ion:	43	Resp:	530
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.6	14.4#



#38

Carbon Tetrachloride

Concen: 6.986 ug/l

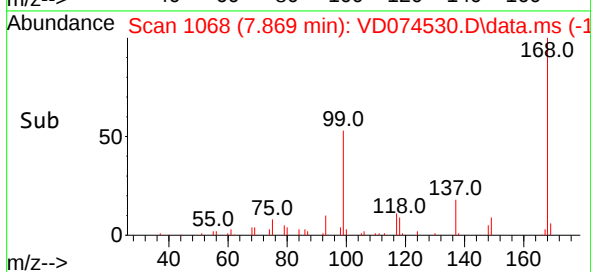
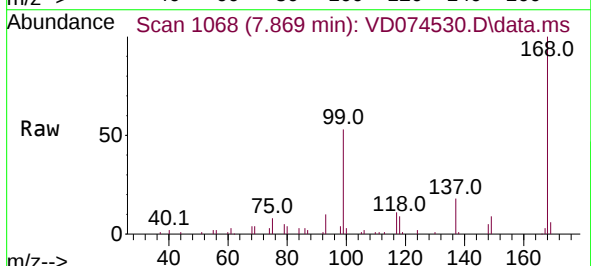
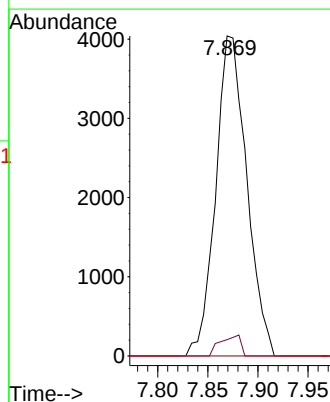
RT: 7.869 min Scan# 1068

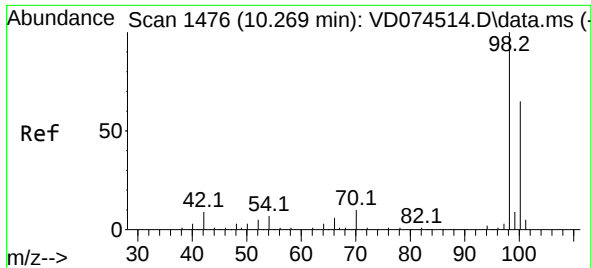
Delta R.T. -0.118 min

Lab File: VD074530.D

Acq: 13 Oct 2022 15:36

Tgt Ion:	117	Resp:	8702
Ion	Ratio	Lower	Upper
117	100		
119	5.1	73.1	109.7#
121	0.0	25.0	37.6#

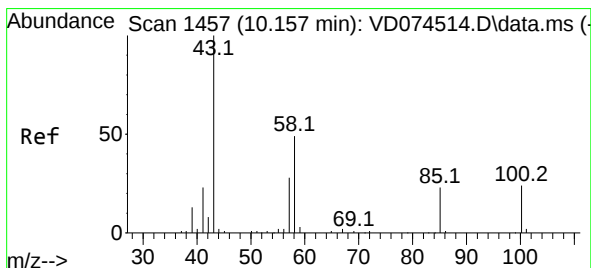
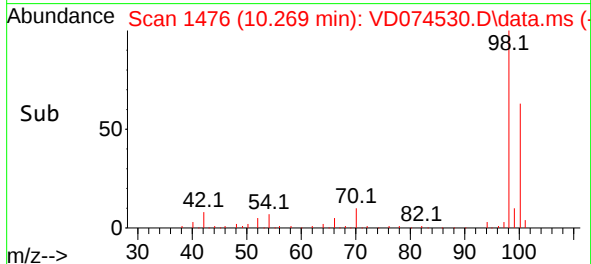
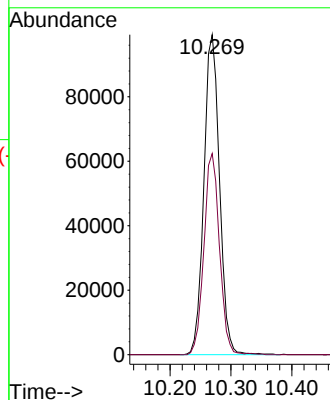
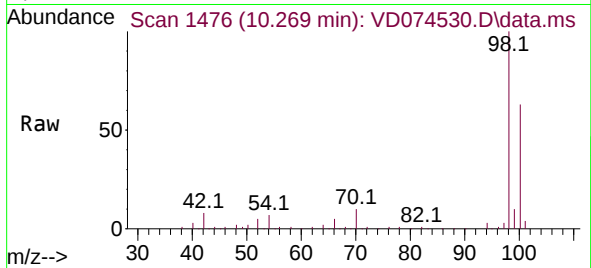




#50
Toluene-d8
Concen: 54.885 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

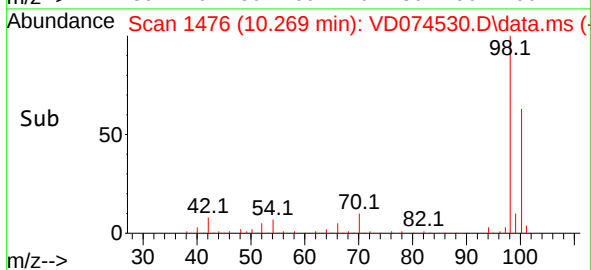
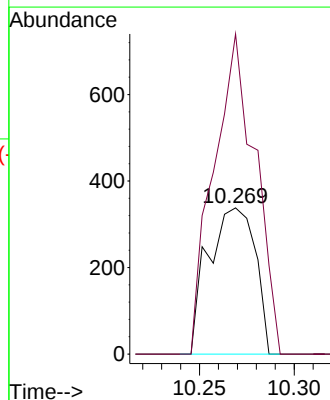
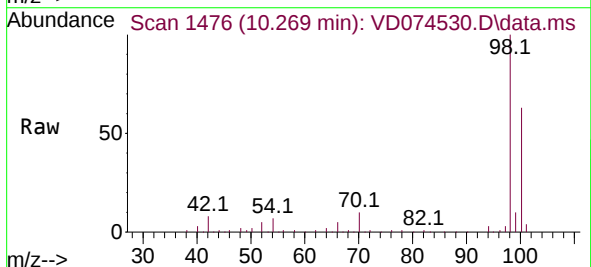
Instrument :
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BP-VPB-RW5-GW-863-865

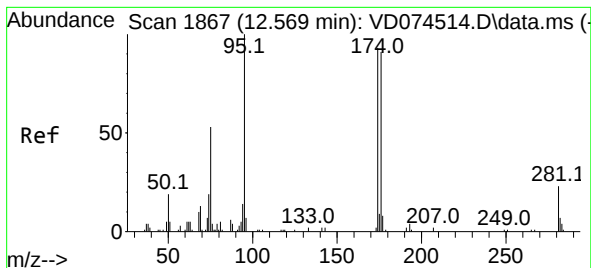
Tgt Ion: 98 Resp: 176938
Ion Ratio Lower Upper
98 100
100 62.4 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.451 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
58 193.5 37.8 56.6#

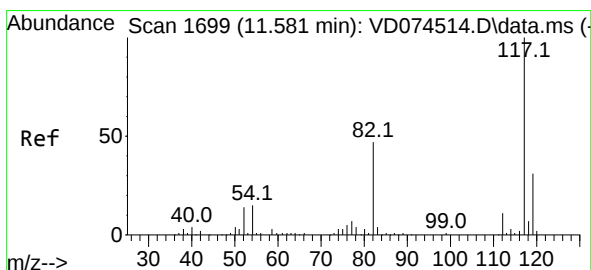
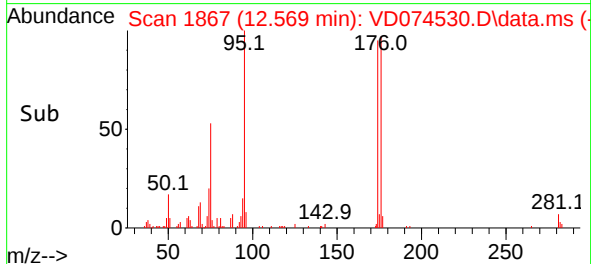
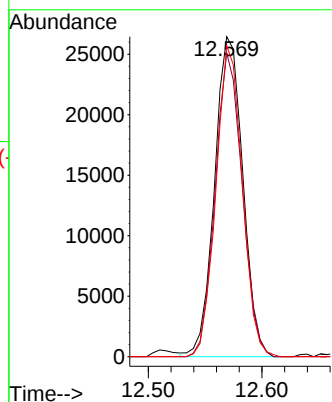
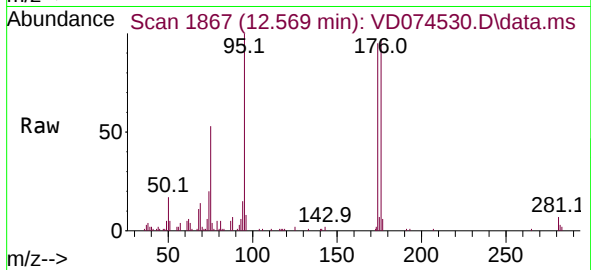




#62
4-Bromofluorobenzene
Concen: 45.742 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

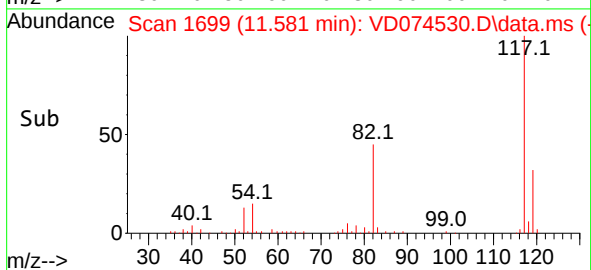
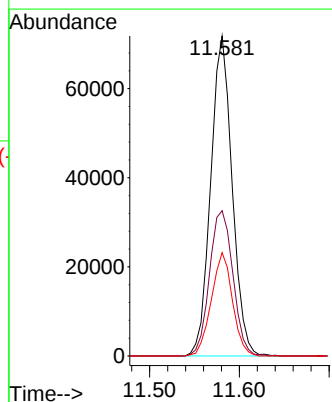
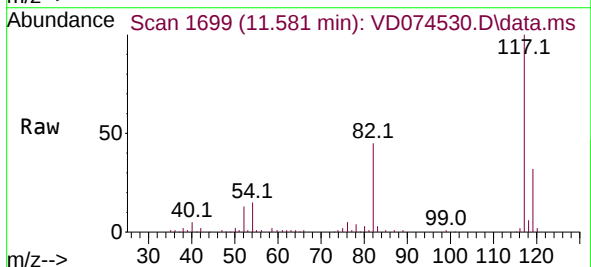
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

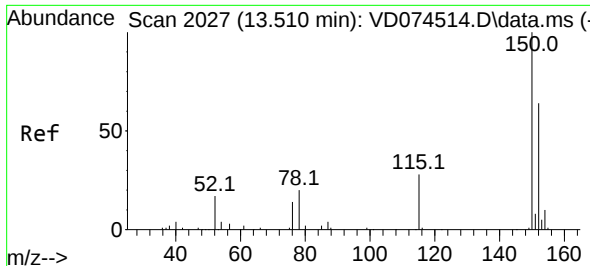
Tgt Ion: 95 Resp: 45610
Ion Ratio Lower Upper
95 100
174 91.0 0.0 197.0
176 90.7 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

Tgt Ion: 117 Resp: 119277
Ion Ratio Lower Upper
117 100
82 45.4 41.6 62.4
119 32.3 25.2 37.8

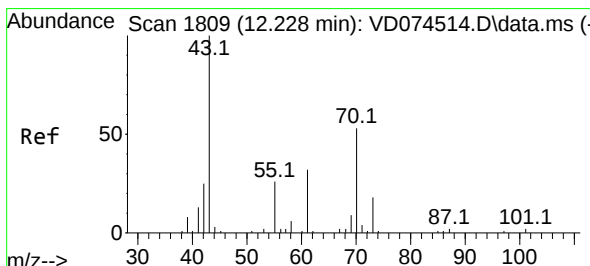
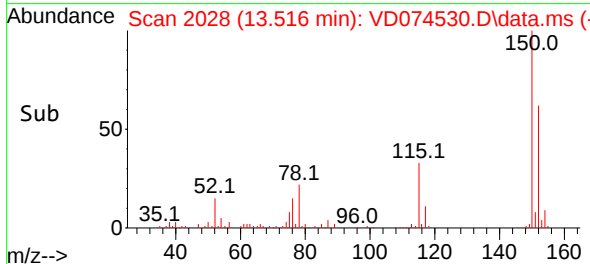
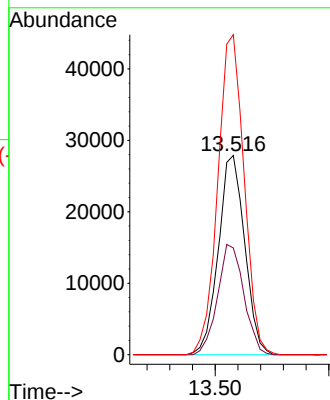
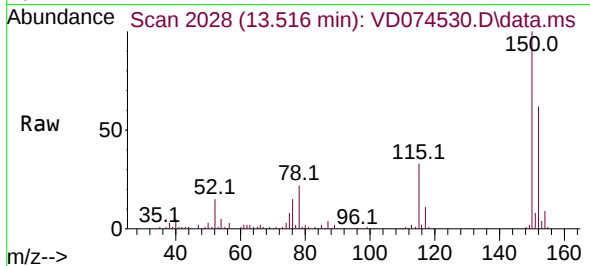




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

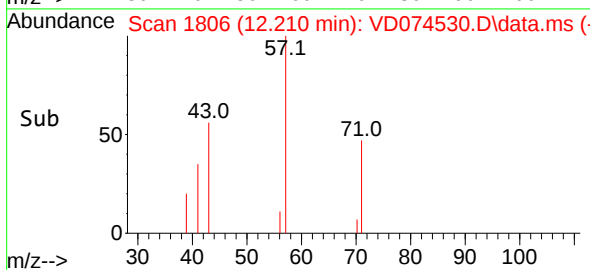
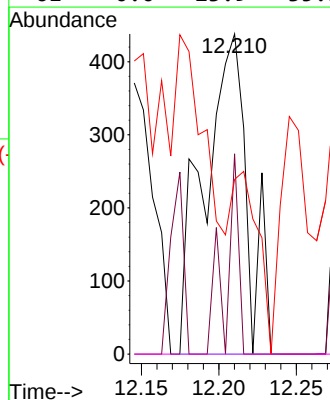
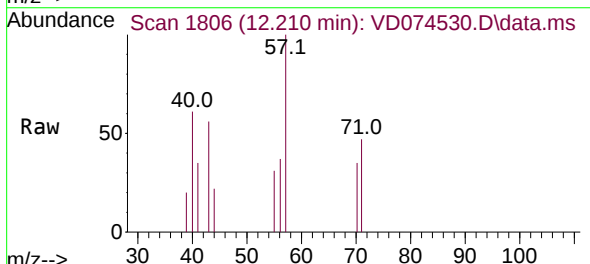
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW5-GW-863-865

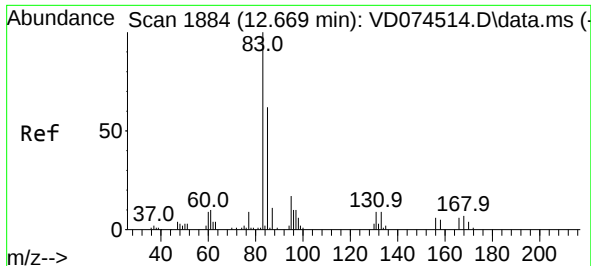
Tgt Ion:152 Resp: 44892
Ion Ratio Lower Upper
152 100
115 55.2 26.8 80.4
150 160.3 0.0 348.2



#74
N-ethyl acetate
Concen: 1.506 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.018 min
Lab File: VD074530.D
Acq: 13 Oct 2022 15:36

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
70 18.5 43.8 65.6#
55 34.5 22.0 33.0#
61 0.0 23.9 35.9#

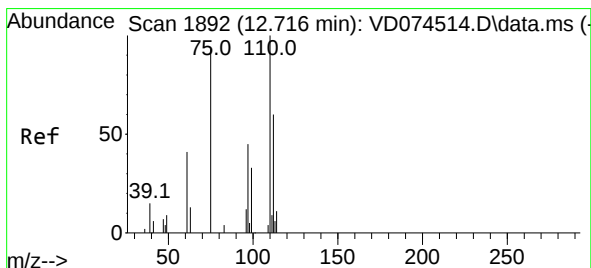
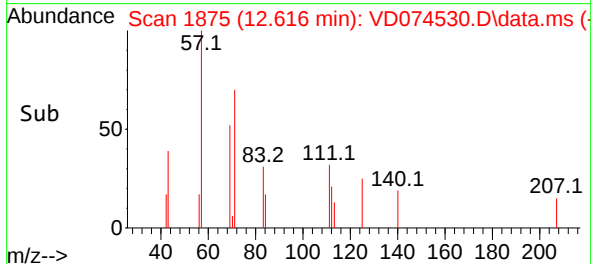
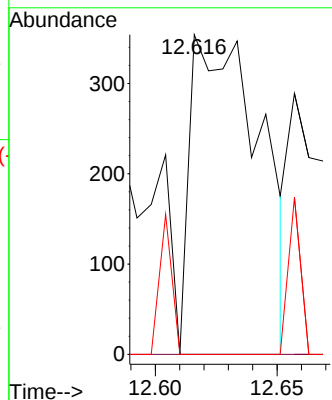
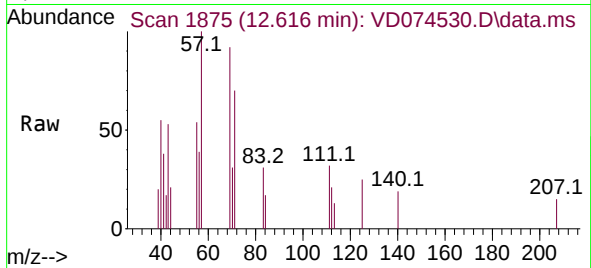




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.229 ug/l
 RT: 12.616 min Scan# 1867
 Delta R.T. -0.053 min
 Lab File: VD074530.D
 Acq: 13 Oct 2022 15:36

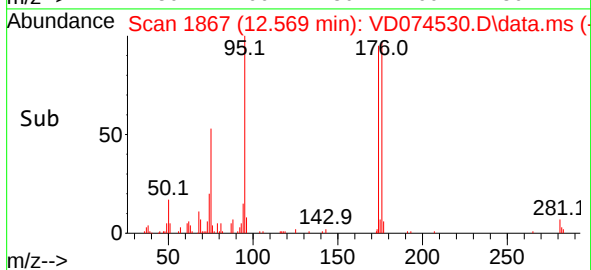
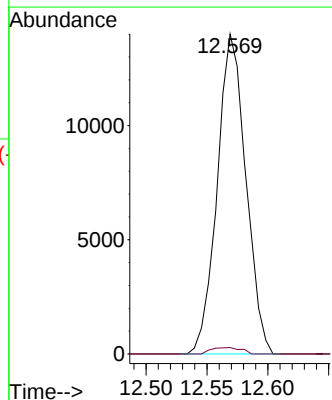
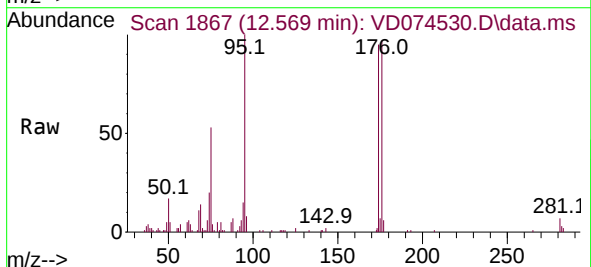
Instrument : MSVOA_D
 ClientSampleId : BP-VPB-RW5-GW-863-865

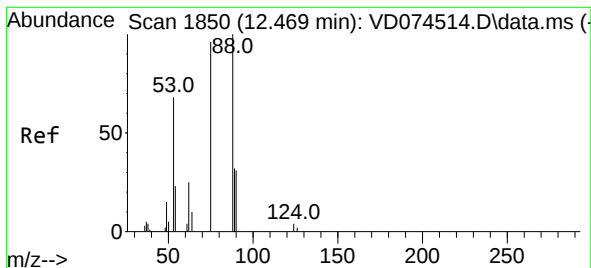
Tgt Ion: 83 Resp: 702
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.7 14.1#
 85 7.8 33.1 99.2#



#76
 1,2,3-Trichloropropane
 Concen: 59.747 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.147 min
 Lab File: VD074530.D
 Acq: 13 Oct 2022 15:36

Tgt Ion: 75 Resp: 22922
 Ion Ratio Lower Upper
 75 100
 77 2.1 185.8 557.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 151.554 ug/l

RT: 12.569 min Scan# 11

Delta R.T. 0.106 min

Lab File: VD074530.D

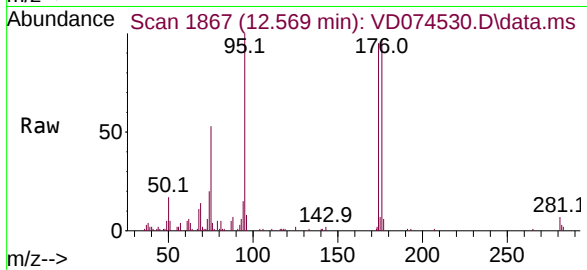
Acq: 13 Oct 2022 15:36

Instrument :

MSVOA_D

ClientSampleId :

BP-VPB-RW5-GW-863-865



Tgt Ion: 75 Resp: 22922

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.6#

89 0.0 38.2 57.4#

