

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033824.D
 Acq On : 20 Jan 2023 13:35
 Operator : JC/MD
 Sample : 01242-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-218-220

Quant Time: Jan 21 04:43:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

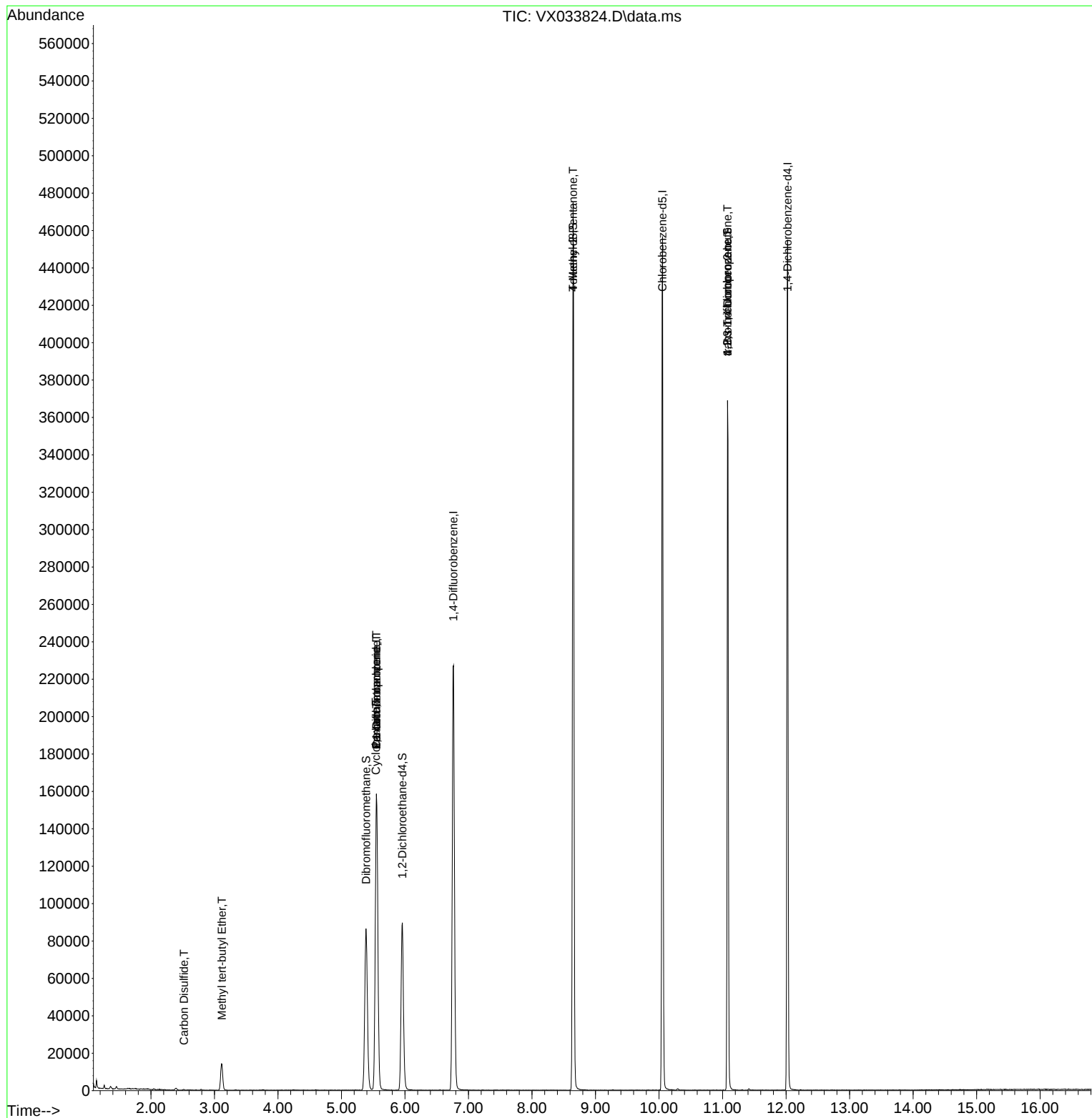
Internal Standards						
1) Pentafluorobenzene	5.550	168	171997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84582	46.705	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.420%
35) Dibromofluoromethane	5.385	113	75826	48.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.280%
50) Toluene-d8	8.647	98	285495	50.265	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.540%
62) 4-Bromofluorobenzene	11.079	95	98604	46.759	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.520%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	1367	Below Cal		95
17) Carbon Disulfide	2.520	76	462	1.948 ug/l	#	76
19) Methyl tert-butyl Ether	3.117	73	15756	3.242 ug/l		95
20) Methylene Chloride	2.788	84	180	Below Cal	#	67
31) Cyclohexane	5.544	56	2642	0.991 ug/l	#	1
36) 1,1-Dichloropropene	5.550	75	10102	4.440 ug/l	#	48
37) Ethyl Acetate	4.629	43	64	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	14953	6.346 ug/l	#	15
51) 4-Methyl-2-Pentanone	8.647	43	1036	0.470 ug/l	#	1
64) Tetrachloroethene	9.269	164	85	Below Cal	#	25
73) Isopropylbenzene	11.079	105	120	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	45930	23.494 ug/l	#	34
79) 2-Chlorotoluene	11.366	91	20	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	45930	73.016 ug/l	#	8
82) 4-Chlorotoluene	11.469	91	72	Below Cal	#	43

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

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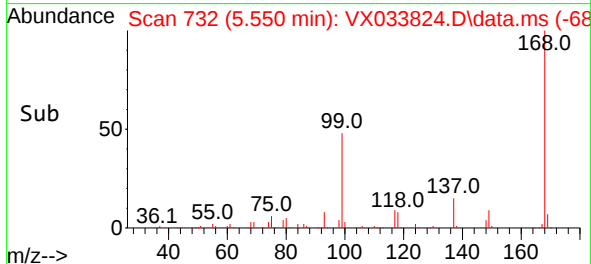
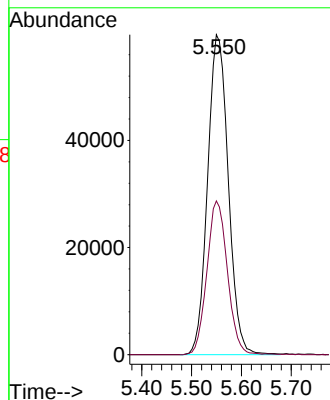
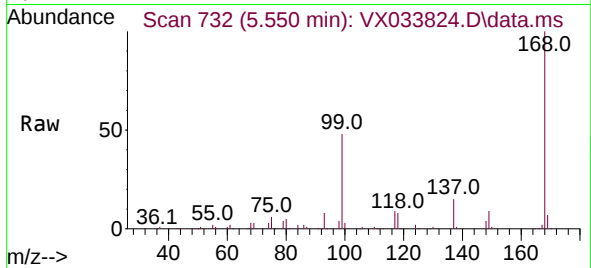




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

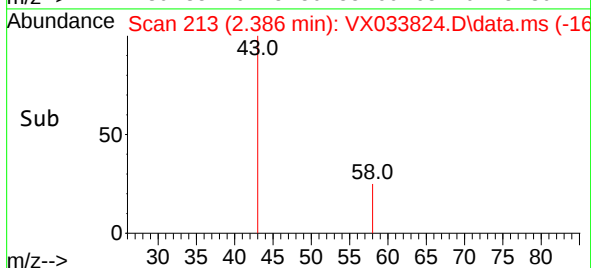
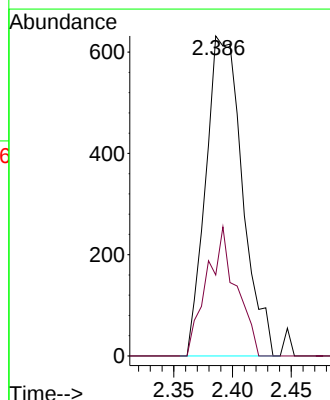
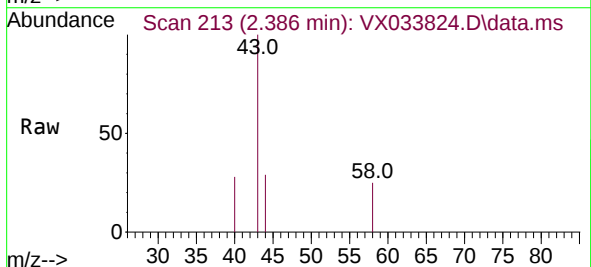
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-218-220

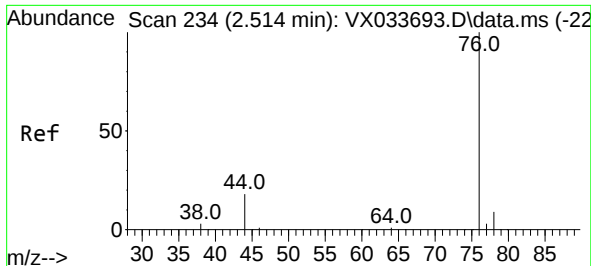
Tgt Ion:168 Resp: 171997
Ion Ratio Lower Upper
168 100
99 48.0 39.6 59.4



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion: 43 Resp: 1367
Ion Ratio Lower Upper
43 100
58 25.3 22.6 33.8

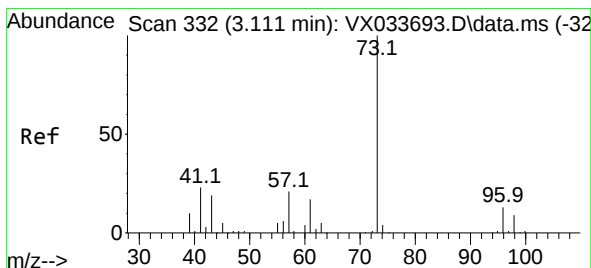
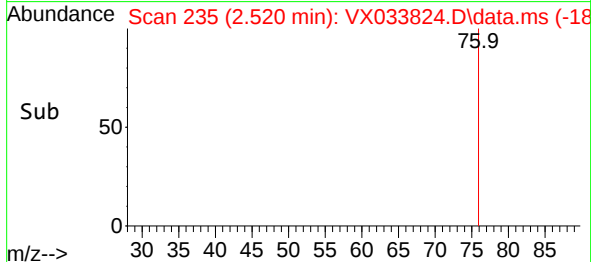
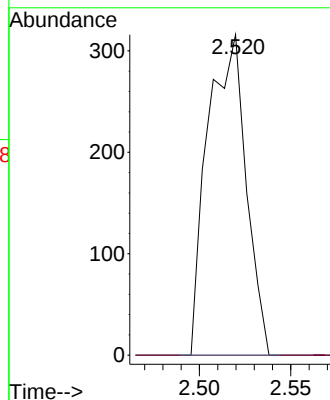
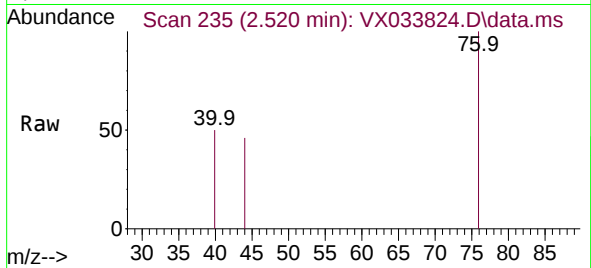




#17
Carbon Disulfide
Concen: 1.948 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

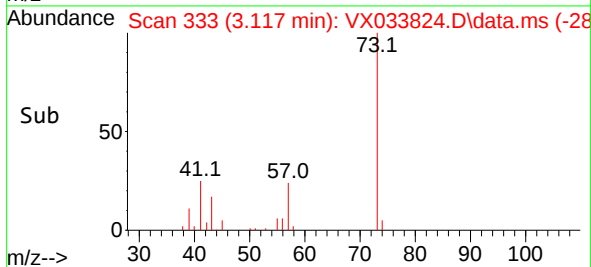
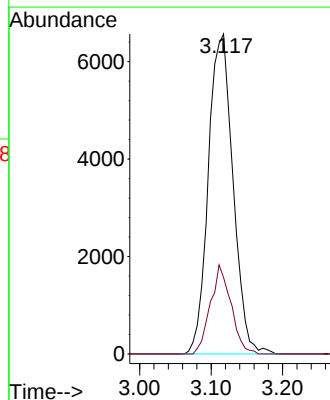
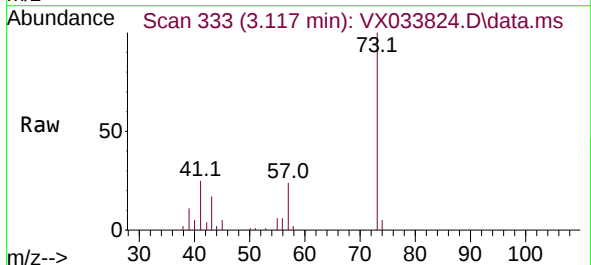
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-218-220

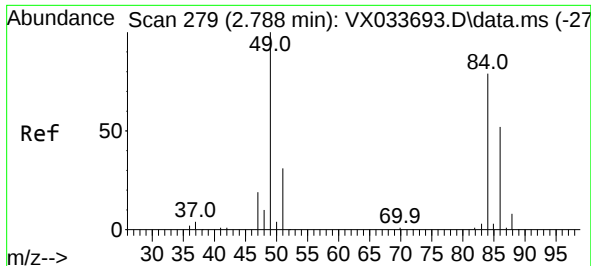
Tgt Ion: 76 Resp: 462
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#19
Methyl tert-butyl Ether
Concen: 3.242 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion: 73 Resp: 15756
Ion Ratio Lower Upper
73 100
57 23.9 17.4 26.0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033824.D

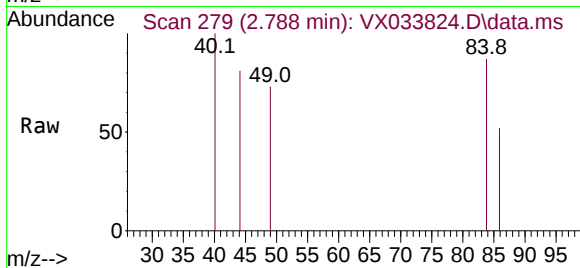
Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-218-220



Tgt Ion: 84 Resp: 180

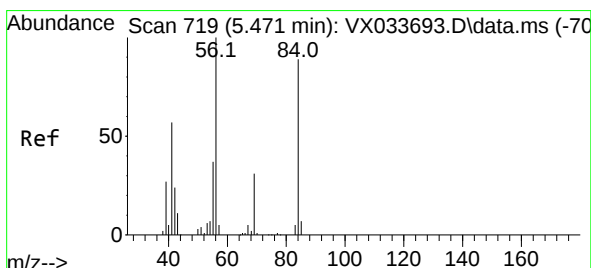
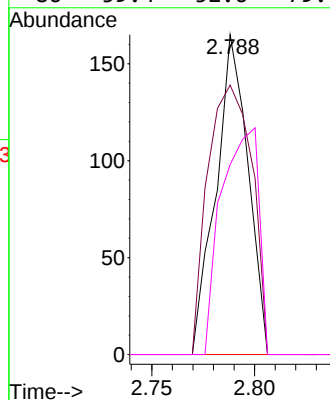
Ion Ratio Lower Upper

84 100

49 84.2 101.1 151.7#

51 0.0 31.0 46.6#

86 59.4 52.6 79.0



#31

Cyclohexane

Concen: 0.991 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

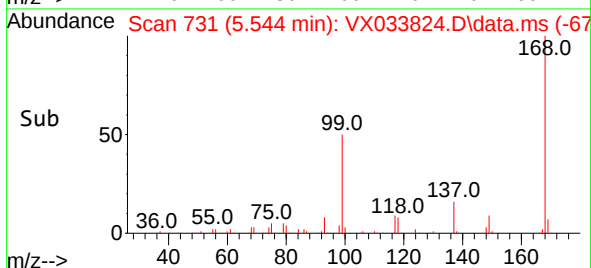
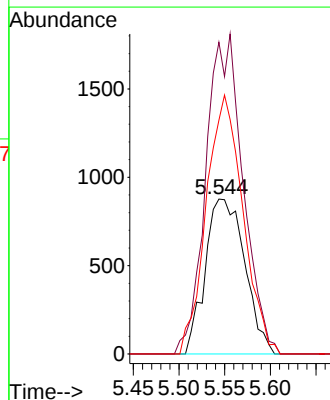
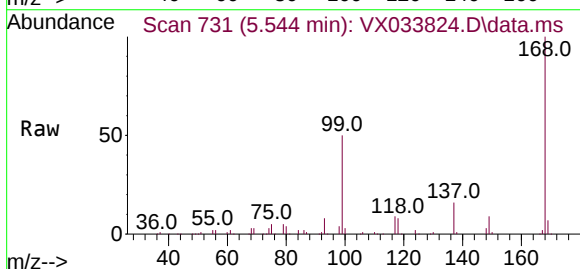
Tgt Ion: 56 Resp: 2642

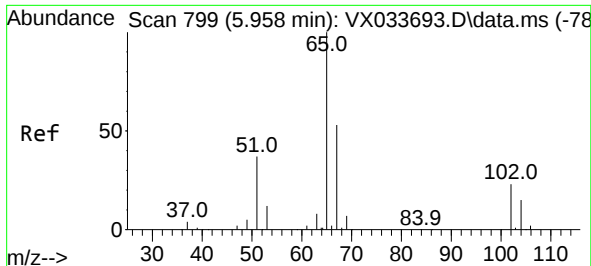
Ion Ratio Lower Upper

56 100

69 201.1 24.6 37.0#

84 150.9 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.705 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

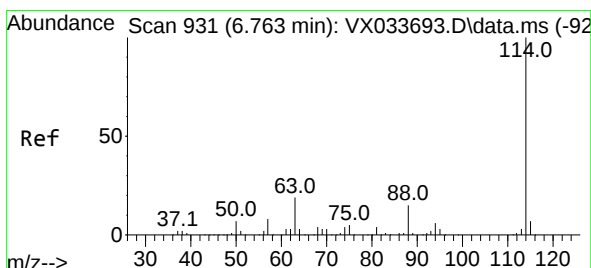
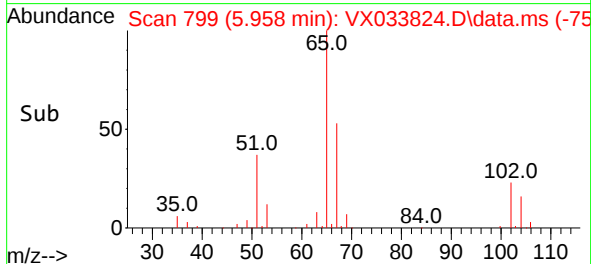
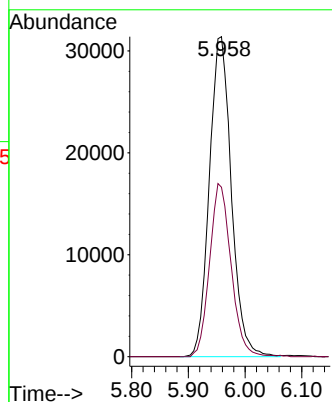
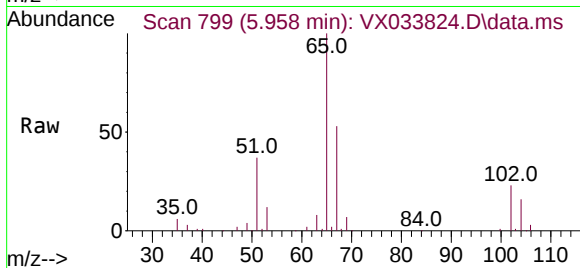
BP-VPB-RW10-GW-218-220

Tgt Ion: 65 Resp: 84582

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

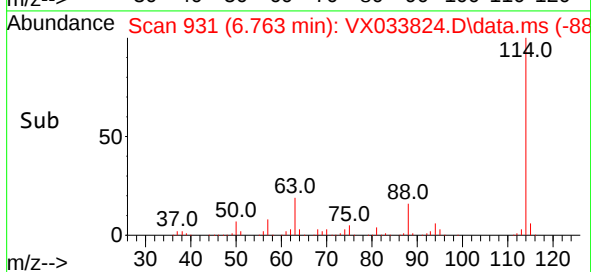
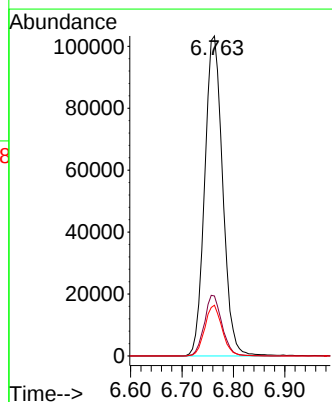
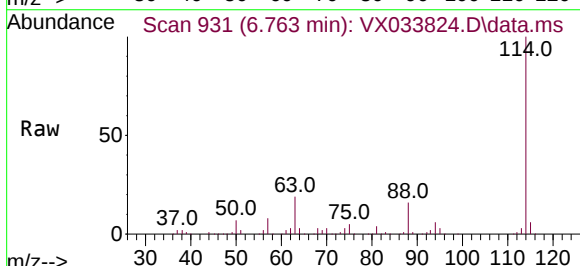
Tgt Ion: 114 Resp: 251047

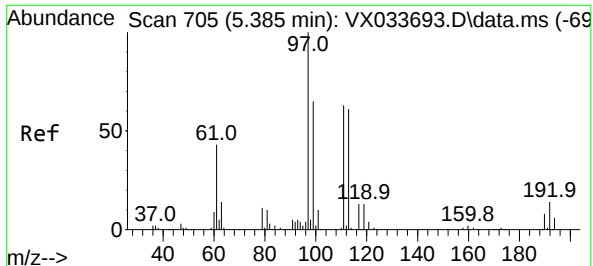
Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.4

88 15.8 0.0 30.6

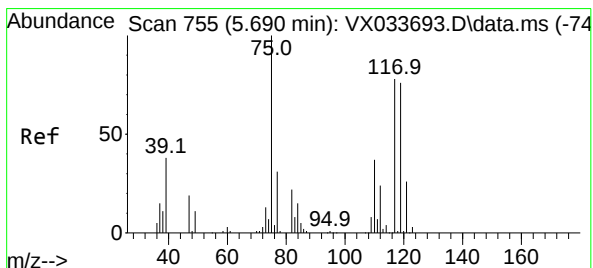
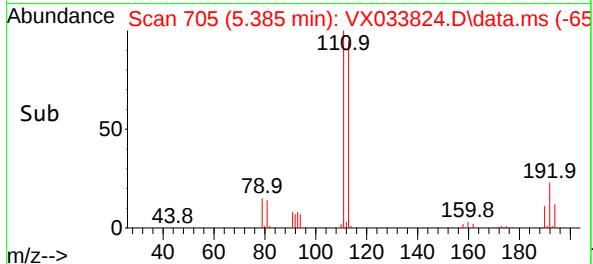
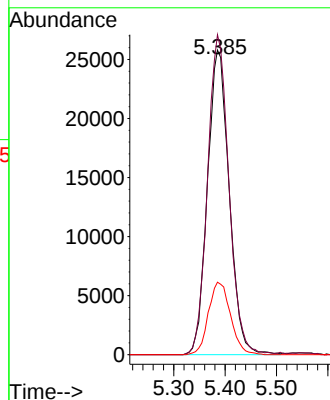
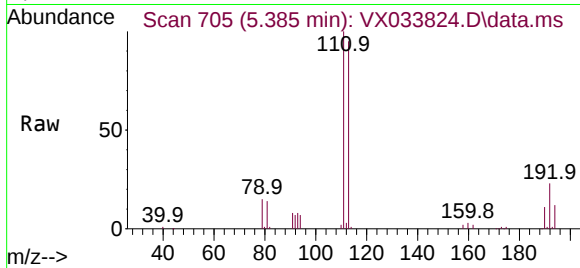




#35
Dibromofluoromethane
Concen: 48.642 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

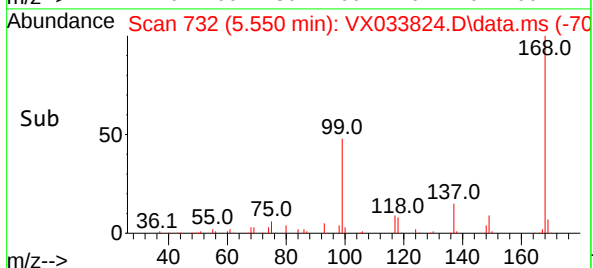
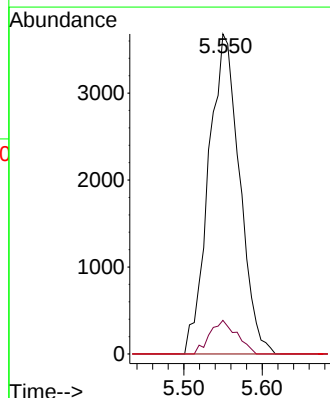
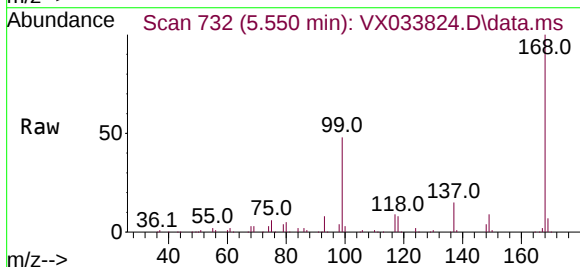
Instrument :
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ClientSampleId :
BP-VPB-RW10-GW-218-220

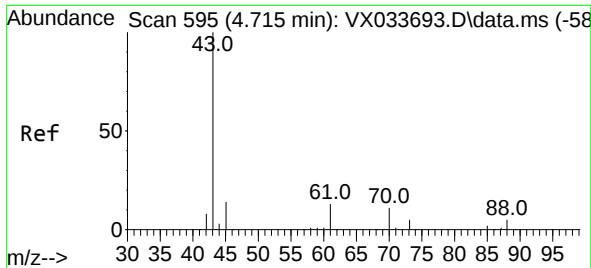
Tgt Ion:	113	Resp:	75826
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.6
192	24.2	19.0	28.4



#36
1,1-Dichloropropene
Concen: 4.440 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion:	75	Resp:	10102
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.8	56.4#
77	0.0	25.1	37.7#

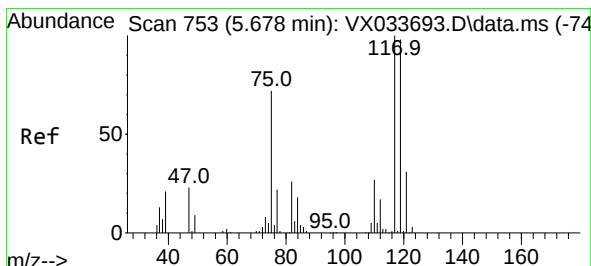
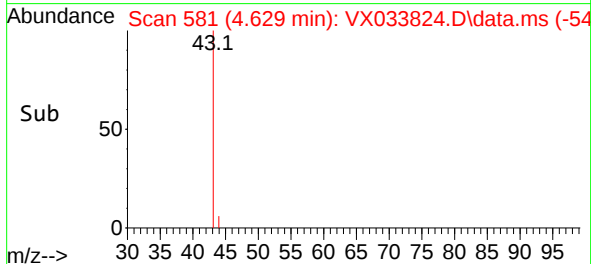
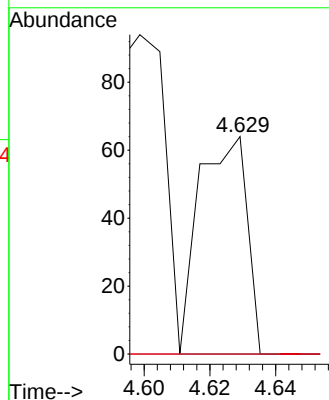
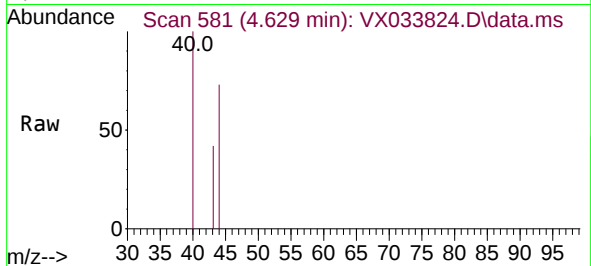




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.629 min Scan# 51
Delta R.T. -0.086 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

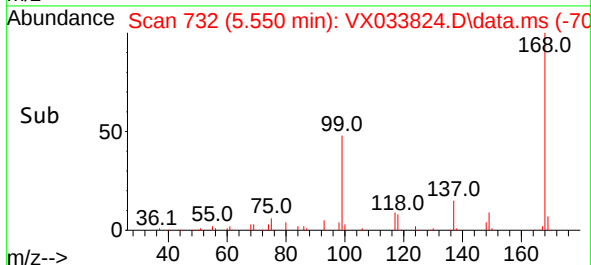
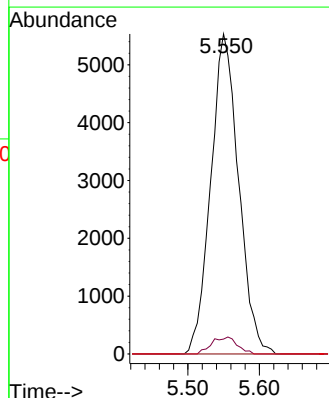
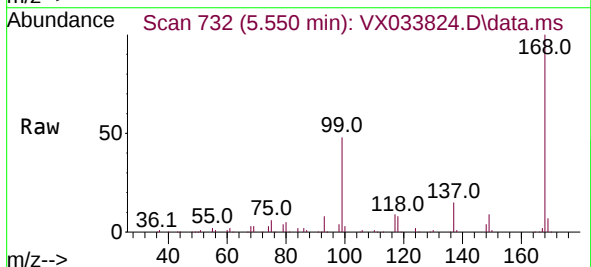
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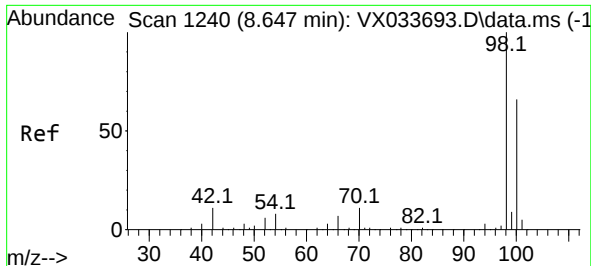
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.346 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion: 117 Resp: 14953
Ion Ratio Lower Upper
117 100
119 4.7 78.0 117.0#
121 0.0 24.4 36.6#

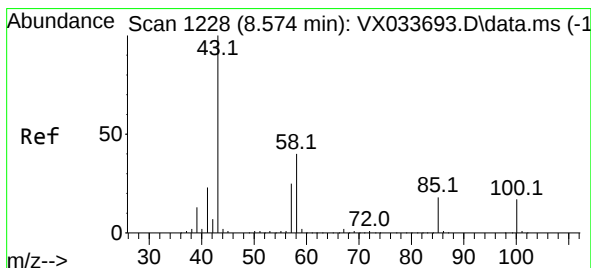
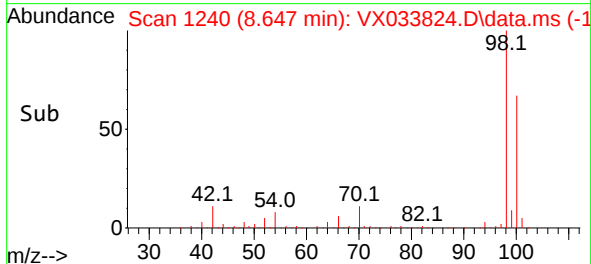
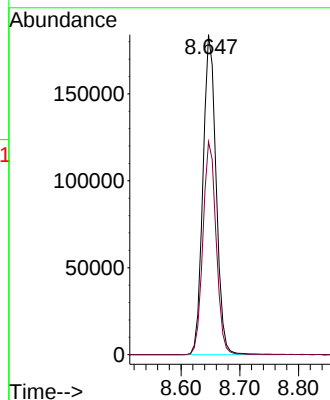
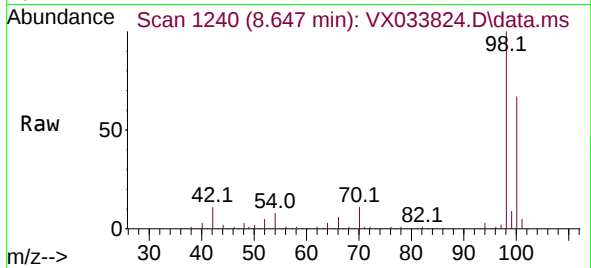




#50
Toluene-d8
Concen: 50.265 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

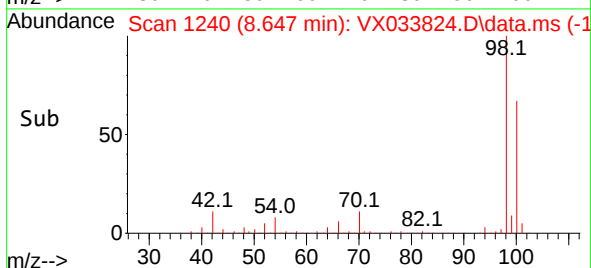
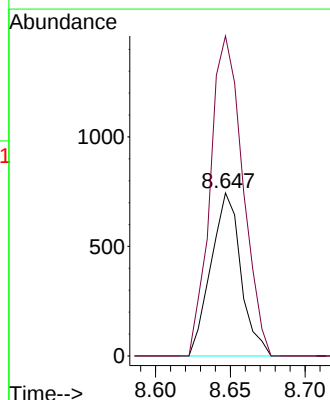
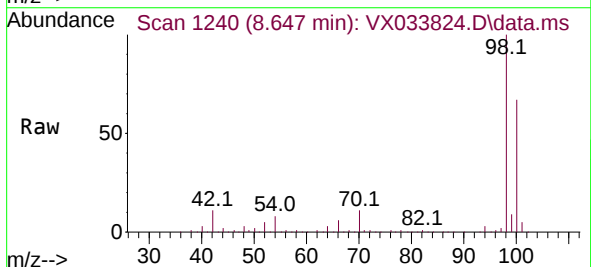
Instrument :
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BP-VPB-RW10-GW-218-220

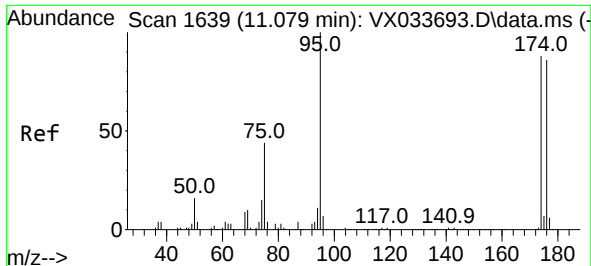
Tgt Ion: 98 Resp: 285495
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion: 43 Resp: 1036
Ion Ratio Lower Upper
43 100
58 213.4 31.2 46.8#





#62

4-Bromofluorobenzene

Concen: 46.759 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-218-220

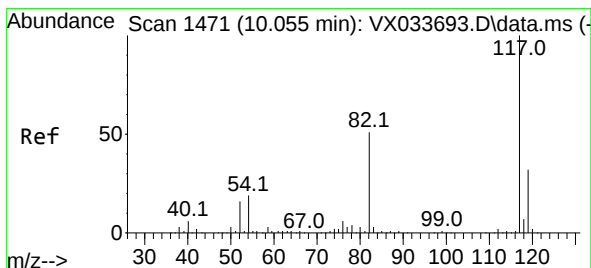
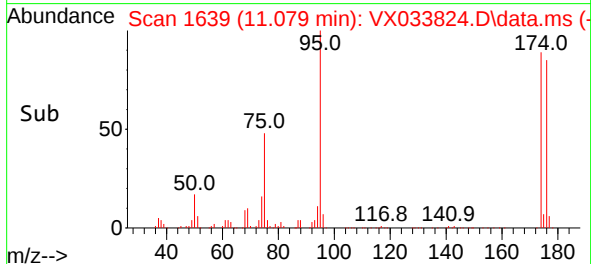
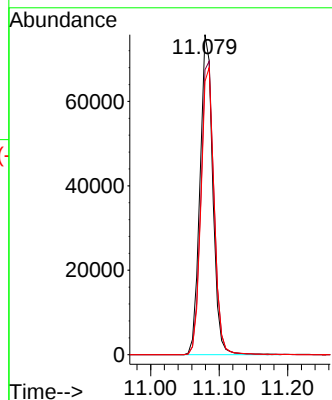
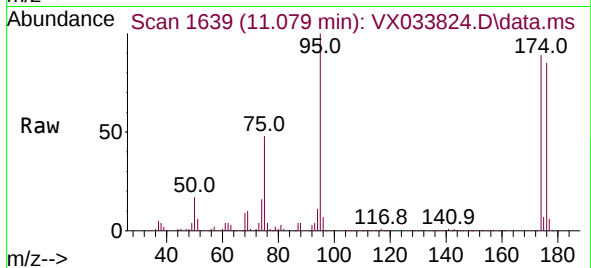
Tgt Ion: 95 Resp: 98604

Ion Ratio Lower Upper

95 100

174 94.4 0.0 184.4

176 92.0 0.0 178.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

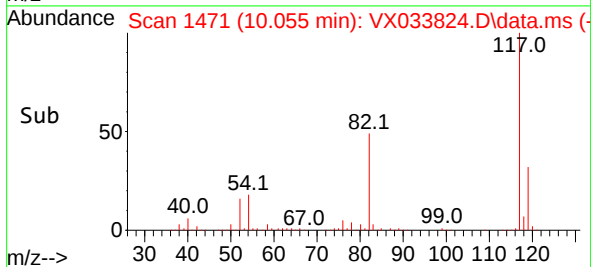
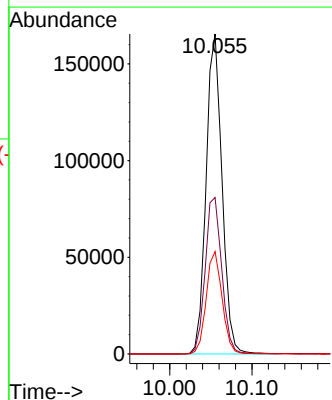
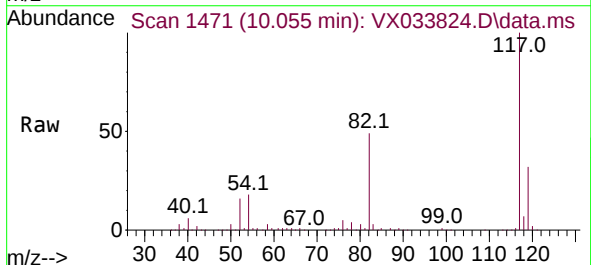
Tgt Ion: 117 Resp: 222939

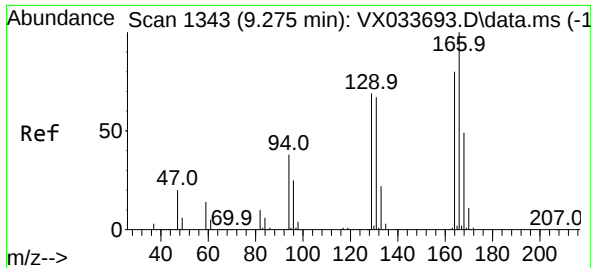
Ion Ratio Lower Upper

117 100

82 48.9 40.6 60.8

119 32.0 25.6 38.4

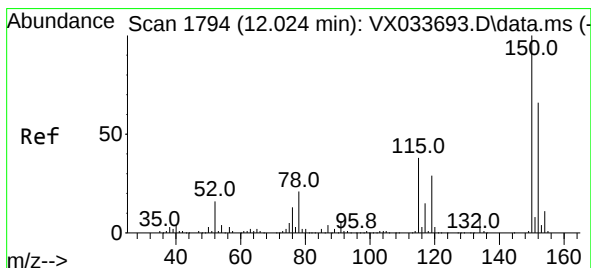
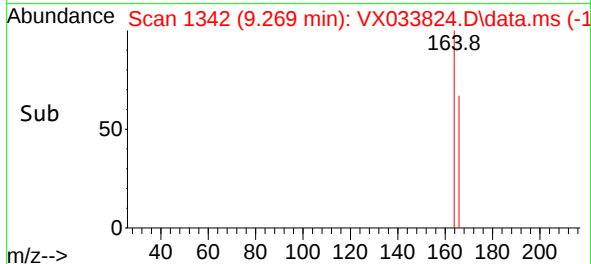
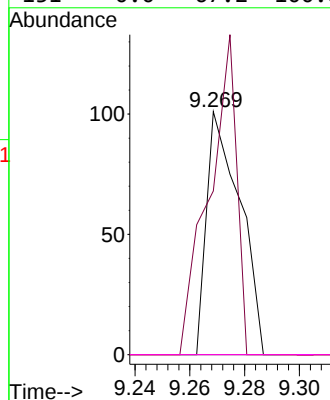
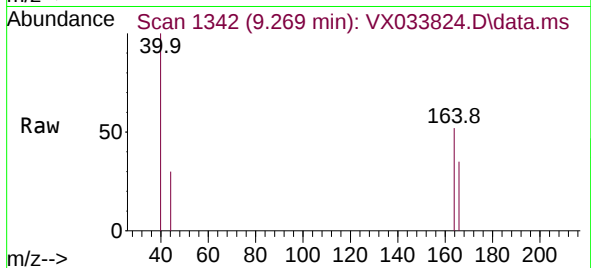




#64
Tetrachloroethene
Concen: Below Cal
RT: 9.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

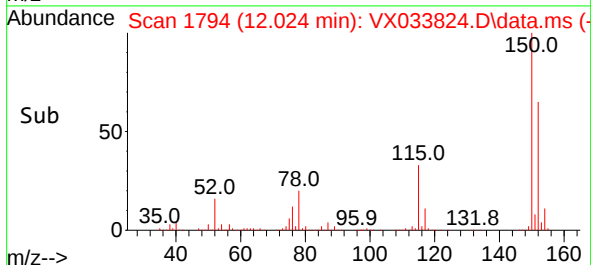
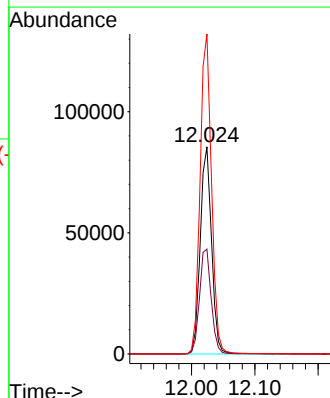
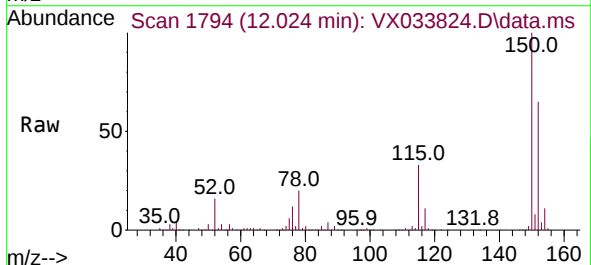
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-218-220

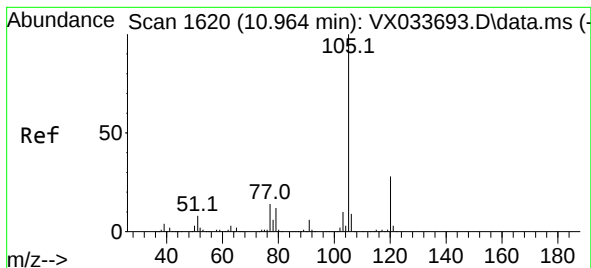
Tgt Ion:164 Resp: 85
Ion Ratio Lower Upper
164 100
166 67.3 100.2 150.2#
129 0.0 69.2 103.8#
131 0.0 67.2 100.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033824.D
Acq: 20 Jan 2023 13:35

Tgt Ion:152 Resp: 106402
Ion Ratio Lower Upper
152 100
115 52.5 38.7 116.1
150 155.9 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.079 min Scan# 1639

Delta R.T. 0.115 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

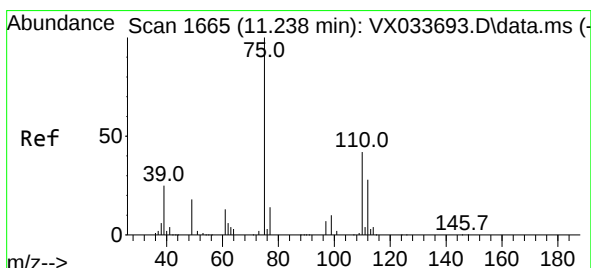
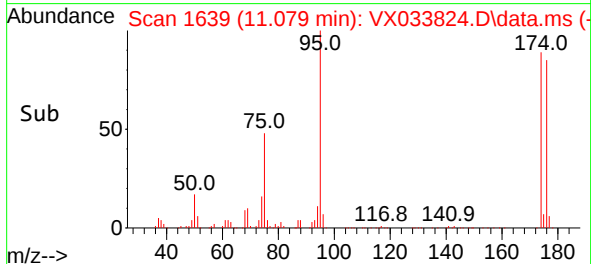
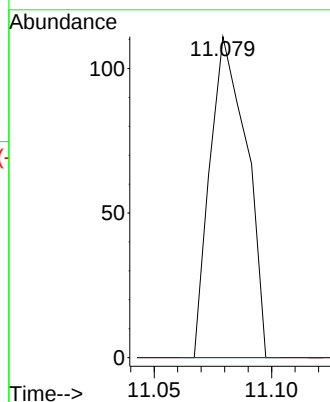
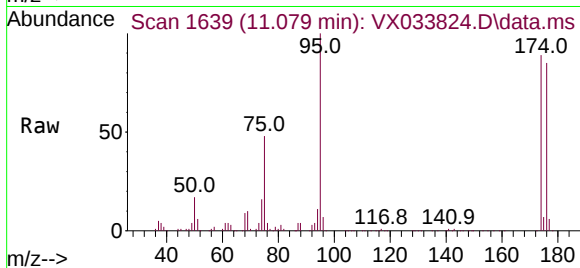
BP-VPB-RW10-GW-218-220

Tgt Ion:105 Resp: 120

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 23.494 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033824.D

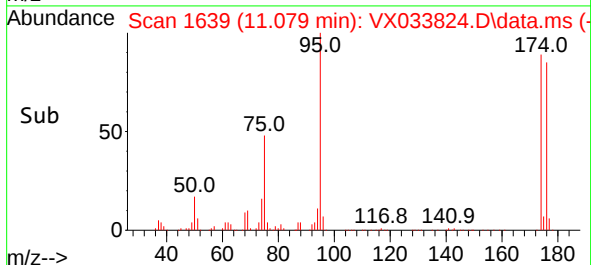
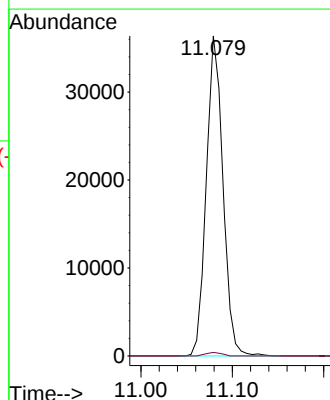
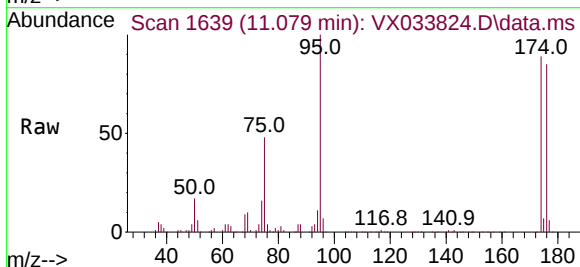
Acq: 20 Jan 2023 13:35

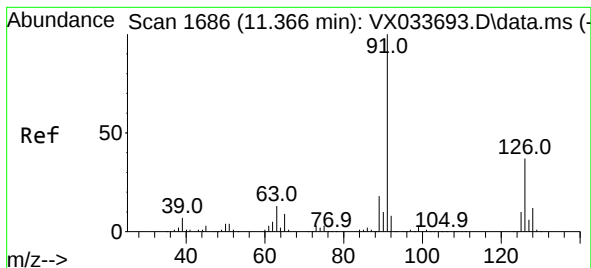
Tgt Ion: 75 Resp: 45930

Ion Ratio Lower Upper

75 100

77 1.1 21.8 65.4#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.366 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

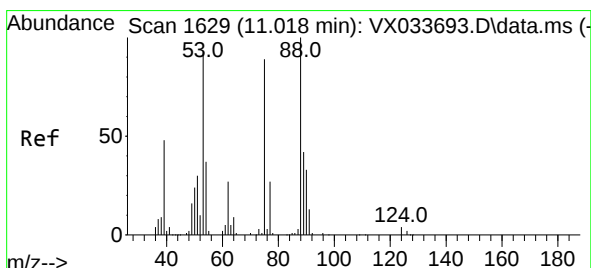
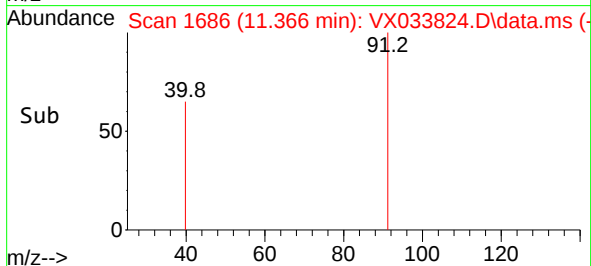
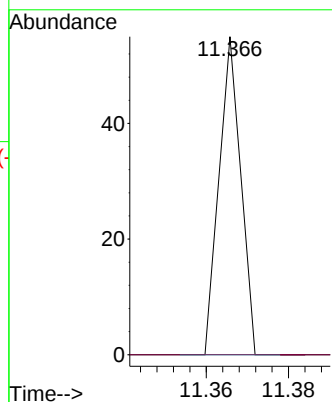
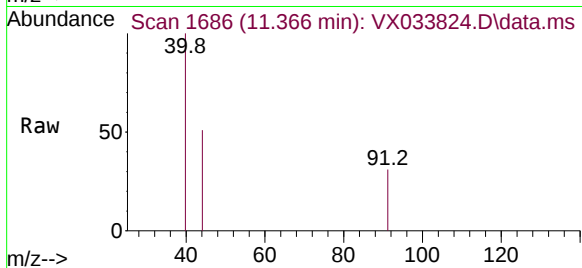
BP-VPB-RW10-GW-218-220

Tgt Ion: 91 Resp: 20

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.016 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033824.D

Acq: 20 Jan 2023 13:35

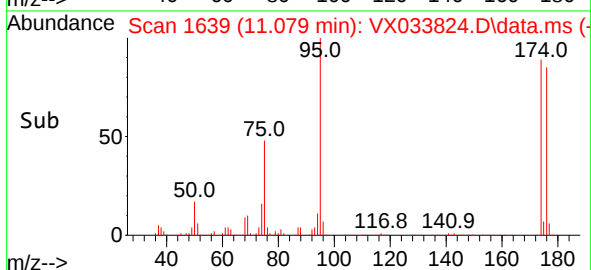
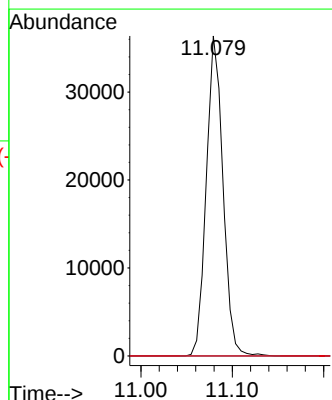
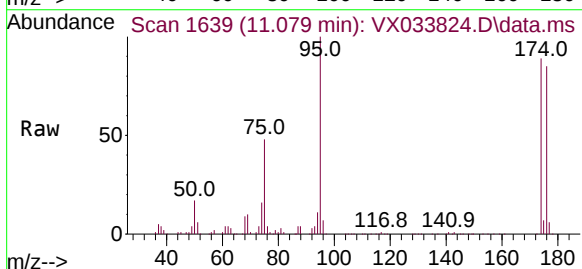
Tgt Ion: 75 Resp: 45930

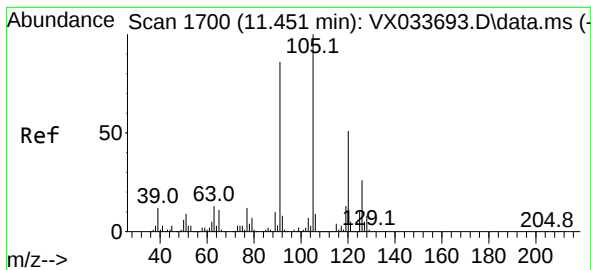
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.469 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX033824.D

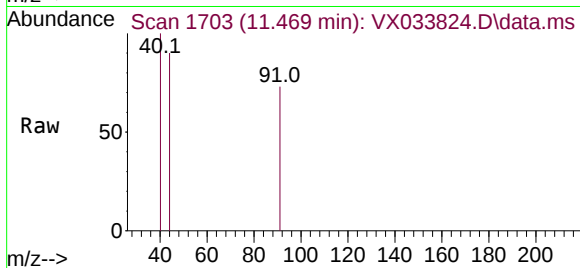
Acq: 20 Jan 2023 13:35

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-218-220



Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

91 100

126 0.0 15.8 47.4#

