

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033832.D
 Acq On : 20 Jan 2023 16:40
 Operator : JC/MD
 Sample : 01242-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-58-60

Quant Time: Jan 21 04:46:21 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)

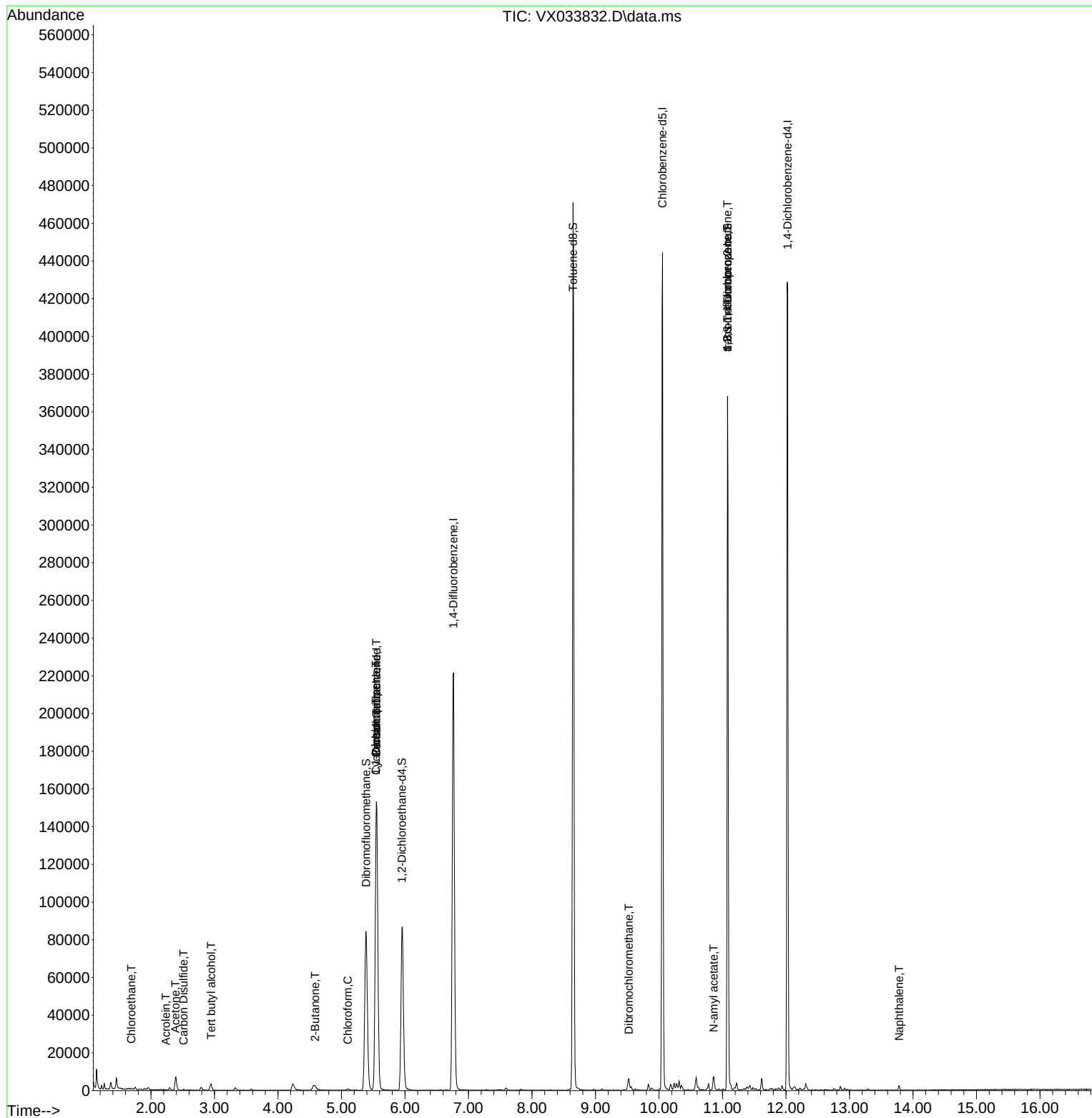
Internal Standards						
1) Pentafluorobenzene	5.550	168	165087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243599	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82094	47.229	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.460%		
35) Dibromofluoromethane	5.385	113	74324	49.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.280%		
50) Toluene-d8	8.647	98	275409	49.972	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.940%		
62) 4-Bromofluorobenzene	11.079	95	94954	46.404	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.800%		
Target Compounds					Qvalue	
6) Chloroethane	1.691	64	505	0.584	ug/l #	42
11) Tert butyl alcohol	2.947	59	2068	6.849	ug/l #	86
13) Acrolein	2.233	56	109	0.391	ug/l #	14
16) Acetone	2.386	43	8771	1.574	ug/l	98
17) Carbon Disulfide	2.514	76	508	1.966	ug/l #	76
20) Methylene Chloride	2.788	84	821	Below Cal	#	87
25) 2-Butanone	4.587	43	1458	1.284	ug/l #	75
30) Chloroform	5.099	83	916	0.321	ug/l	94
31) Cyclohexane	5.544	56	2530	0.989	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10161	4.603	ug/l #	49
37) Ethyl Acetate	4.587	43	1458	Below Cal	#	75
38) Carbon Tetrachloride	5.550	117	14131	6.180	ug/l #	16
60) Dibromochloromethane	9.525	129	484	0.284	ug/l	99
73) Isopropylbenzene	11.079	105	132	Below Cal	#	48
74) N-amyl acetate	10.860	43	627	0.236	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.213	83	225	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	44373	23.903	ug/l #	34
77) Bromobenzene	11.079	156	21	Below Cal	#	1
79) 2-Chlorotoluene	11.372	91	30	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44373	74.287	ug/l #	8
82) 4-Chlorotoluene	11.457	91	26	Below Cal	#	43
95) Naphthalene	13.780	128	2059	0.323	ug/l	97

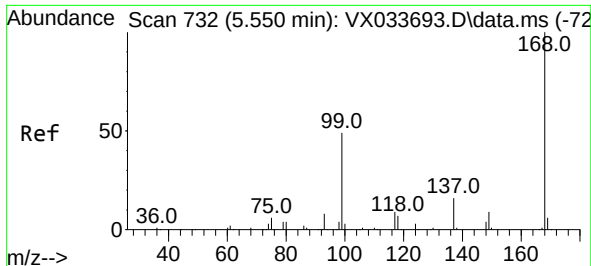
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
Data File : VX033832.D
Acq On : 20 Jan 2023 16:40
Operator : JC/MD
Sample : 01242-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

Quant Time: Jan 21 04:46:21 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

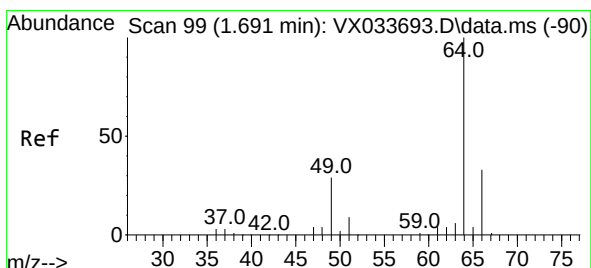
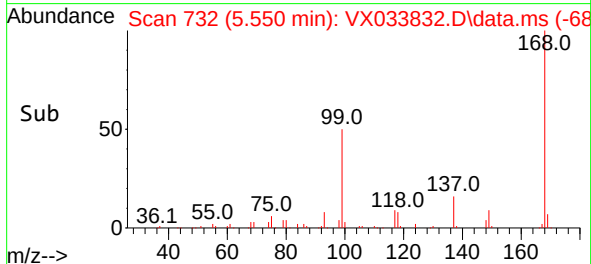
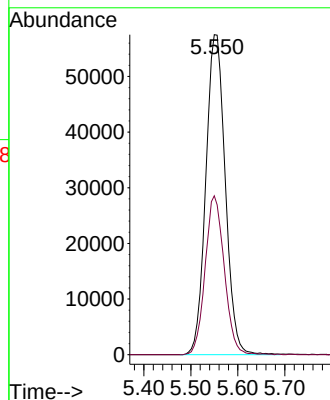
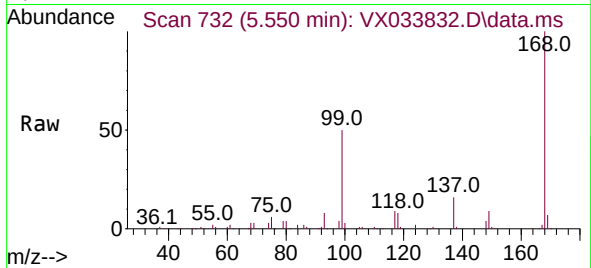




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

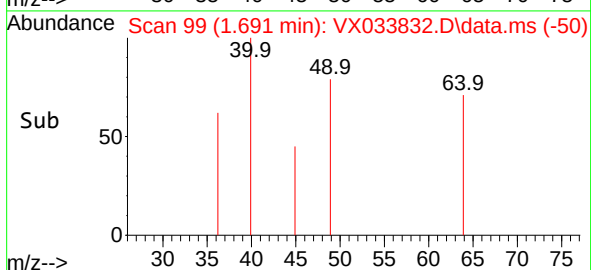
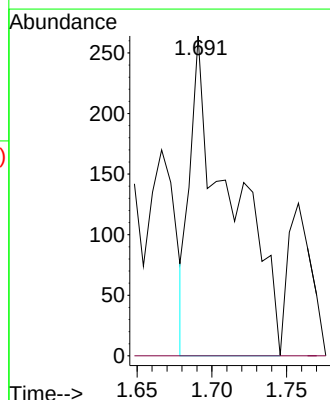
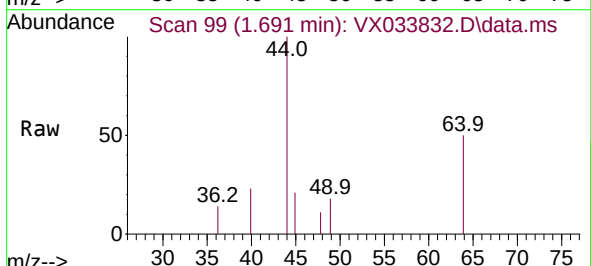
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

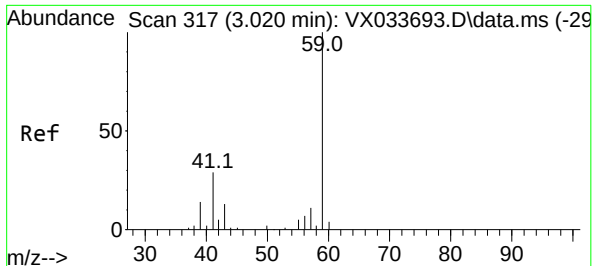
Tgt Ion:168 Resp: 165087
Ion Ratio Lower Upper
168 100
99 49.6 39.6 59.4



#6
Chloroethane
Concen: 0.584 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 64 Resp: 505
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#





#11

Tert butyl alcohol

Concen: 6.849 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.073 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

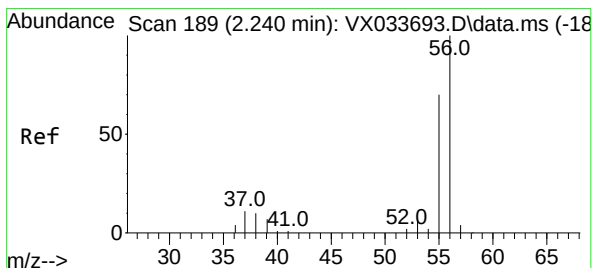
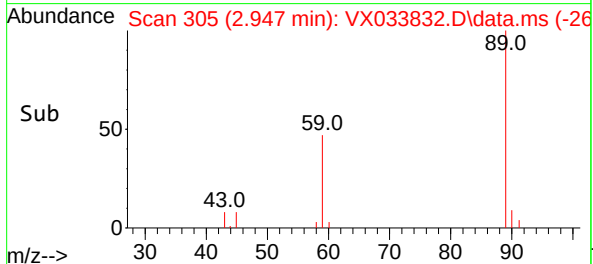
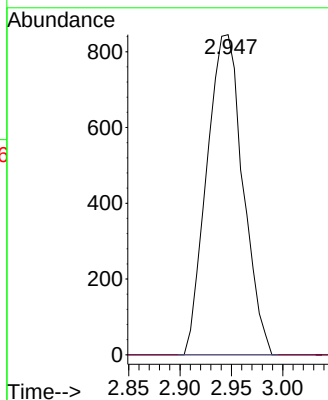
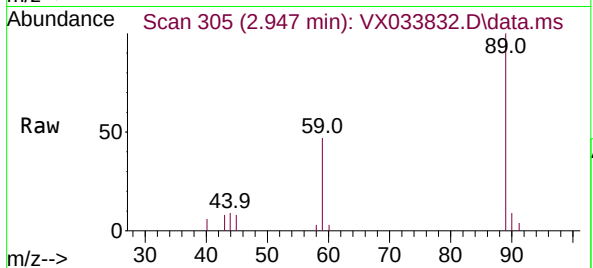
BP-VPB-RW10-GW-58-60

Tgt Ion: 59 Resp: 2068

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#13

Acrolein

Concen: 0.391 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX033832.D

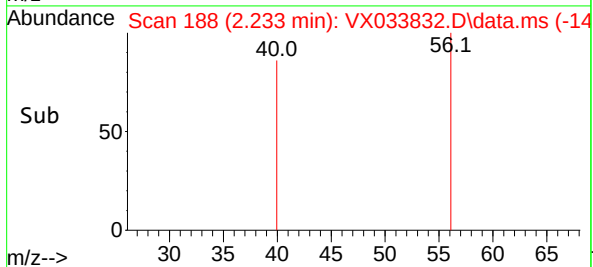
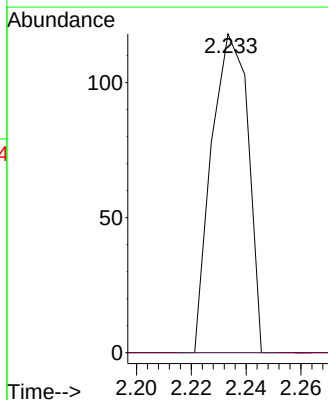
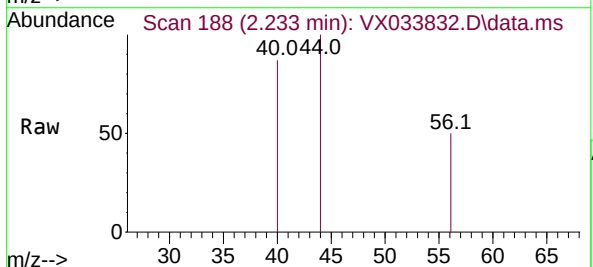
Acq: 20 Jan 2023 16:40

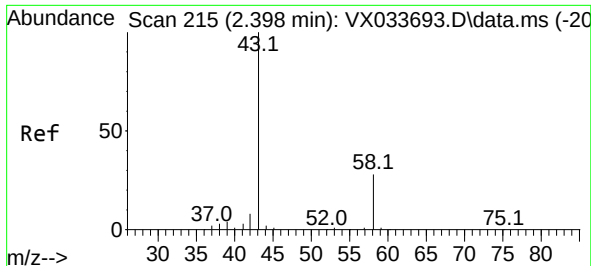
Tgt Ion: 56 Resp: 109

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#

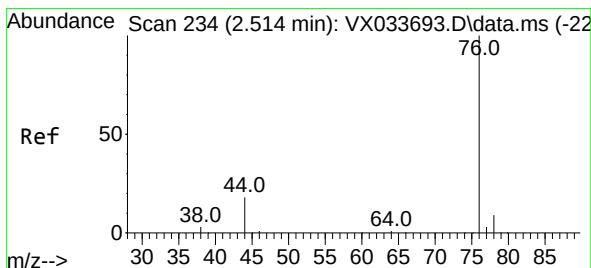
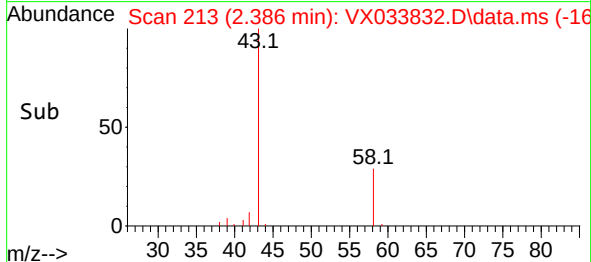
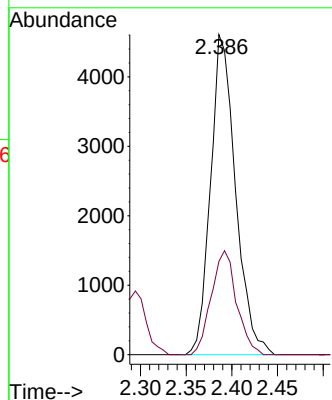
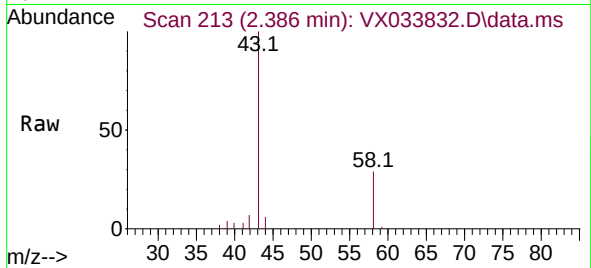




#16
Acetone
Concen: 1.574 ug/l
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

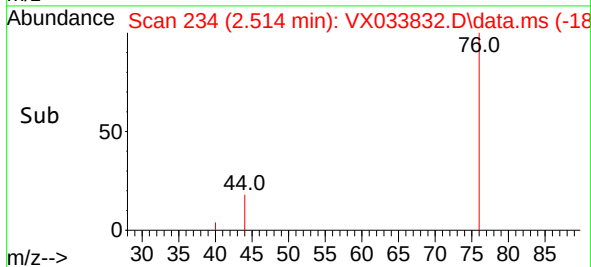
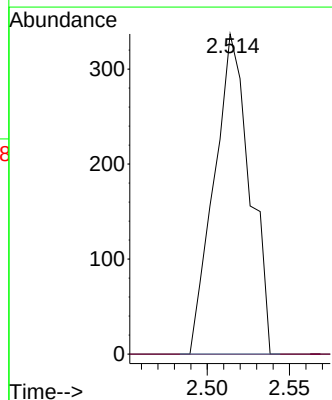
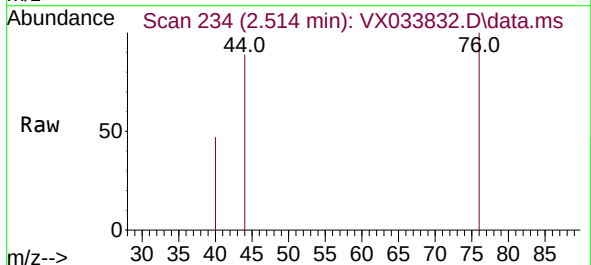
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

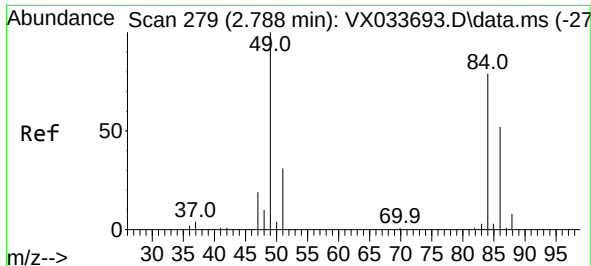
Tgt Ion: 43 Resp: 8771
Ion Ratio Lower Upper
43 100
58 29.2 22.6 33.8



#17
Carbon Disulfide
Concen: 1.966 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 76 Resp: 508
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033832.D

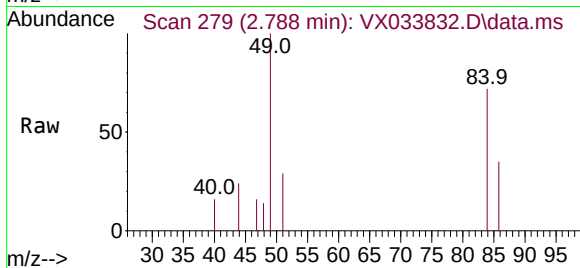
Acq: 20 Jan 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-58-60



Tgt Ion: 84 Resp: 821

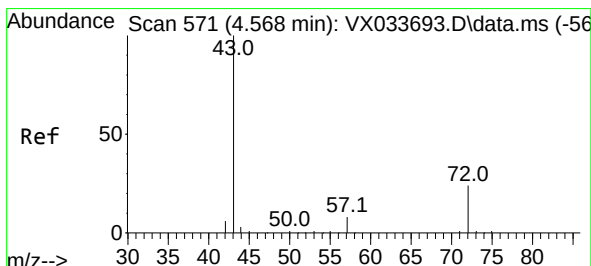
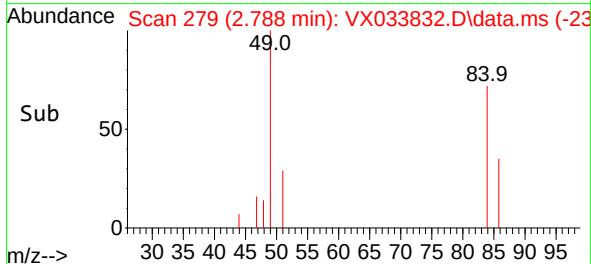
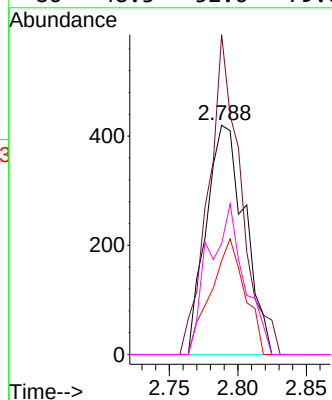
Ion Ratio Lower Upper

84 100

49 139.5 101.1 151.7

51 41.0 31.0 46.6

86 48.3 52.6 79.0#



#25

2-Butanone

Concen: 1.284 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.018 min

Lab File: VX033832.D

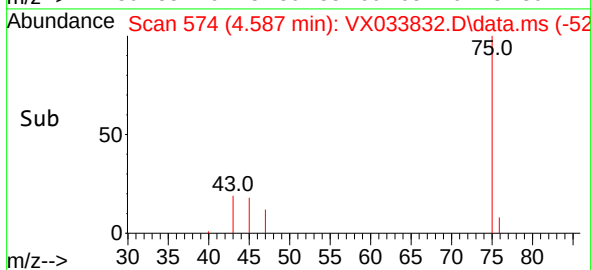
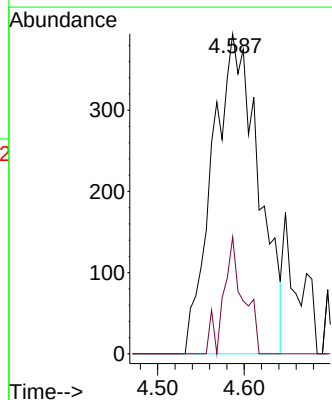
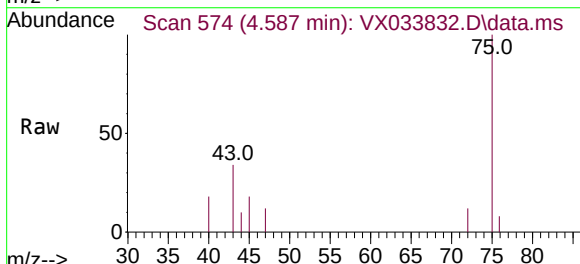
Acq: 20 Jan 2023 16:40

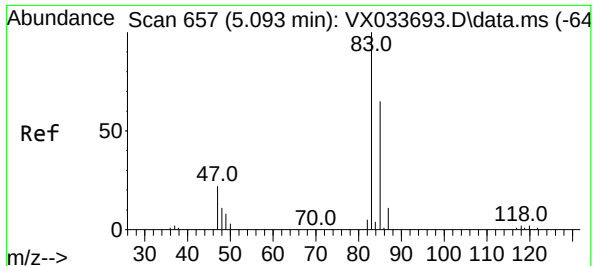
Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

72 36.5 19.4 29.2#





#30

Chloroform

Concen: 0.321 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

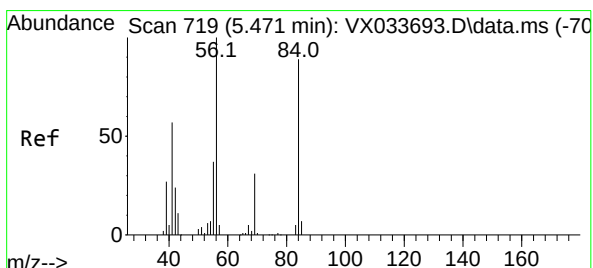
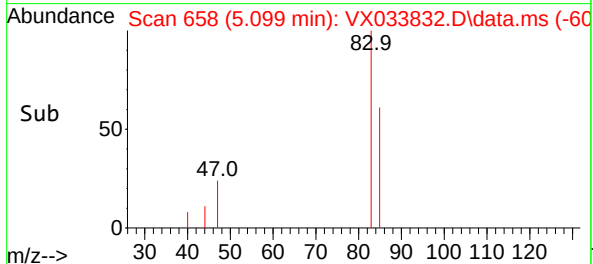
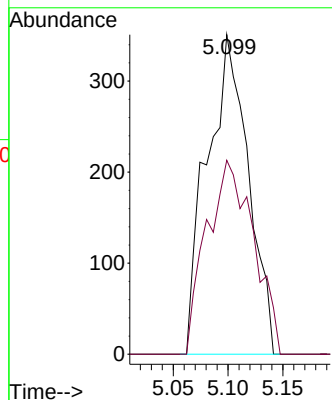
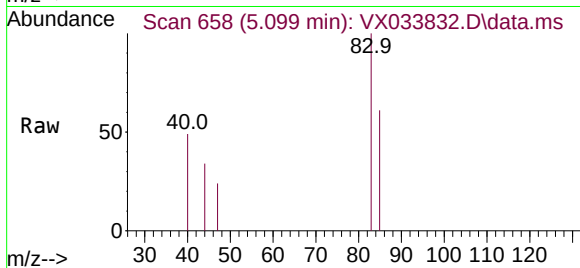
BP-VPB-RW10-GW-58-60

Tgt Ion: 83 Resp: 916

Ion Ratio Lower Upper

83 100

85 60.7 52.1 78.1



#31

Cyclohexane

Concen: 0.989 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

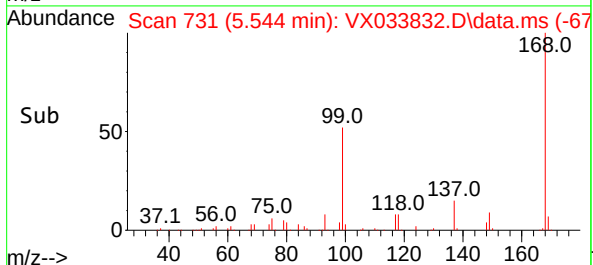
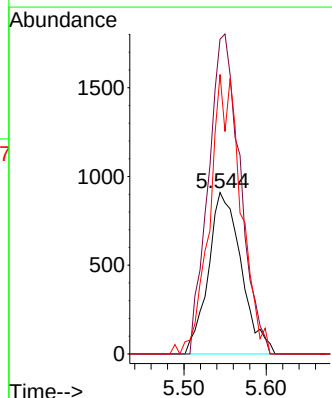
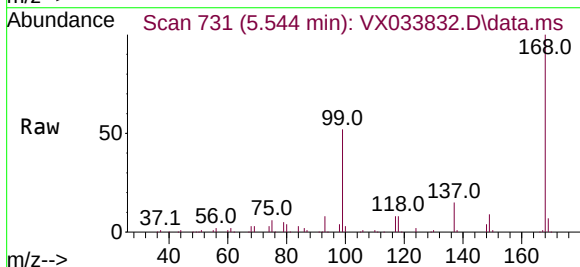
Tgt Ion: 56 Resp: 2530

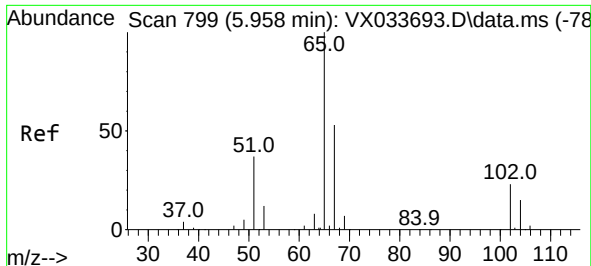
Ion Ratio Lower Upper

56 100

69 194.8 24.6 37.0#

84 173.1 71.0 106.6#

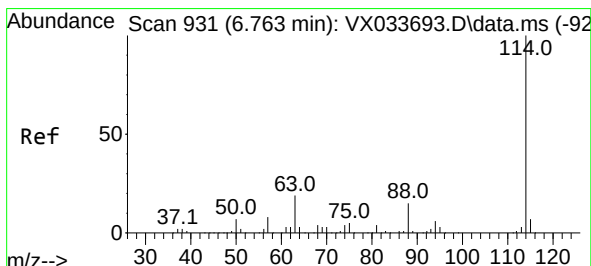
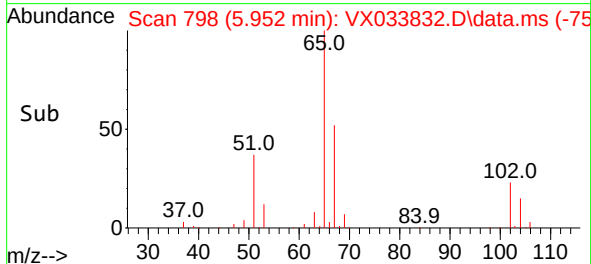
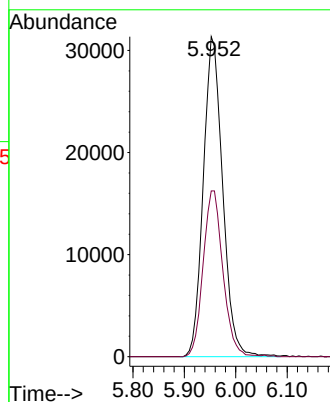
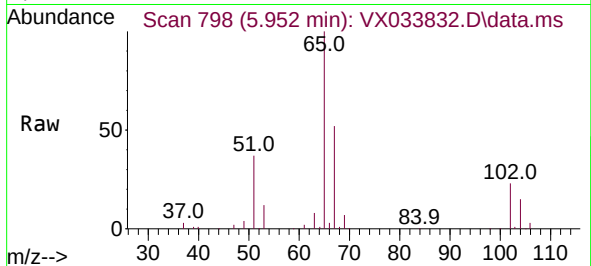




#33
 1,2-Dichloroethane-d4
 Concen: 47.229 ug/l
 RT: 5.952 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX033832.D
 Acq: 20 Jan 2023 16:40

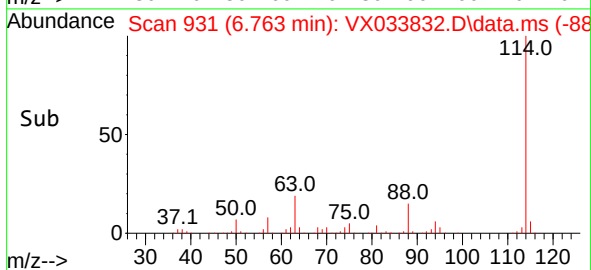
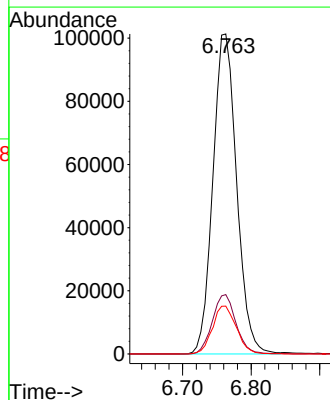
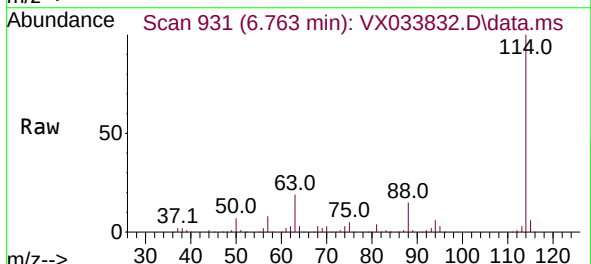
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-58-60

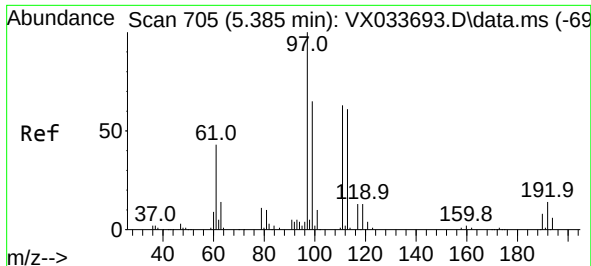
Tgt Ion: 65 Resp: 82094
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX033832.D
 Acq: 20 Jan 2023 16:40

Tgt Ion: 114 Resp: 243599
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.4
 88 14.9 0.0 30.6

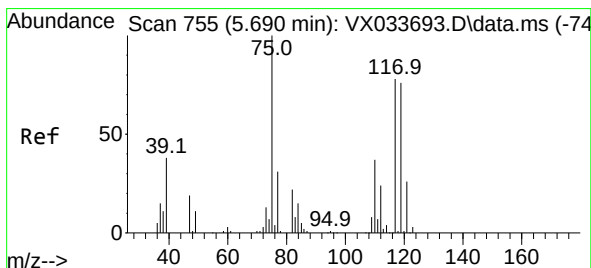
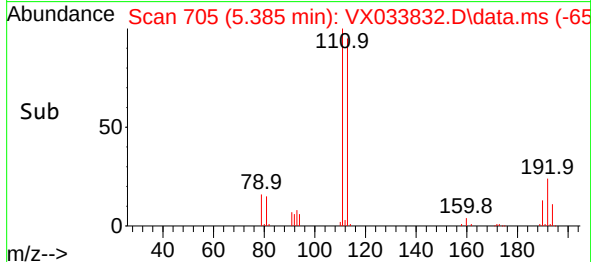
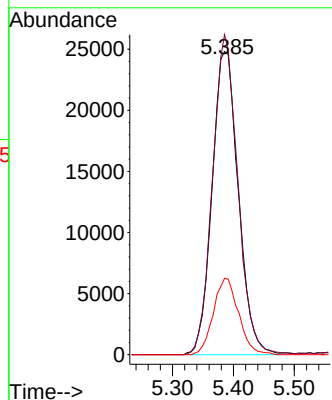
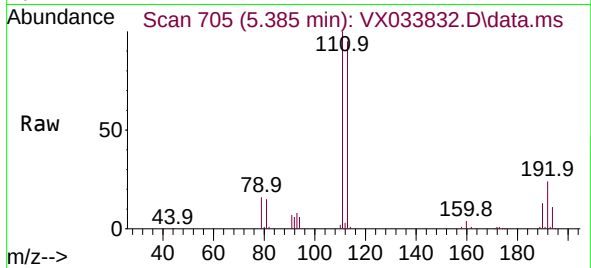




#35
Dibromofluoromethane
Concen: 49.136 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

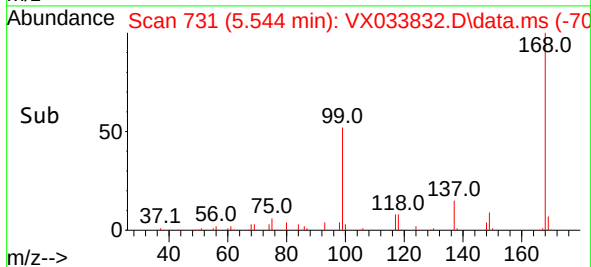
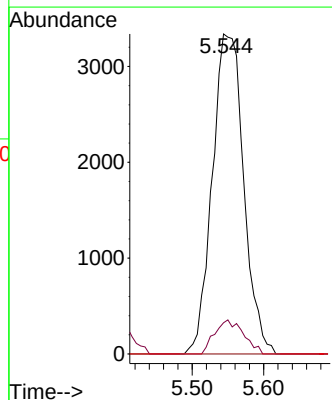
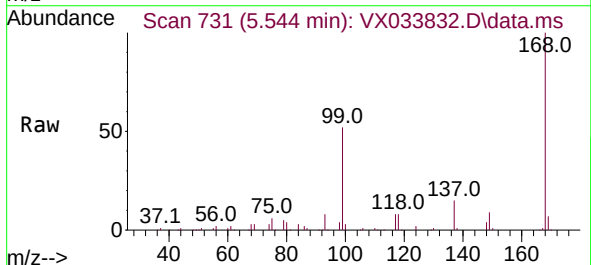
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

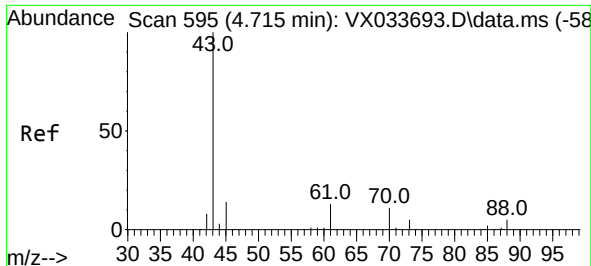
Tgt Ion:113 Resp: 74324
Ion Ratio Lower Upper
113 100
111 101.8 83.0 124.6
192 24.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.603 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 75 Resp: 10161
Ion Ratio Lower Upper
75 100
110 9.8 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.587 min Scan# 51

Delta R.T. -0.128 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-58-60

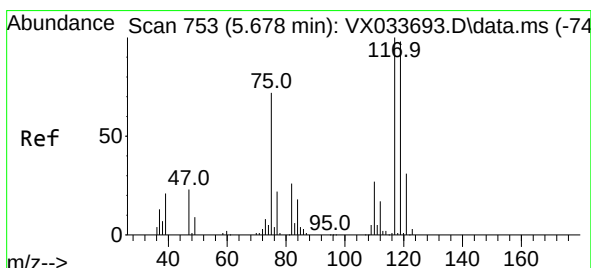
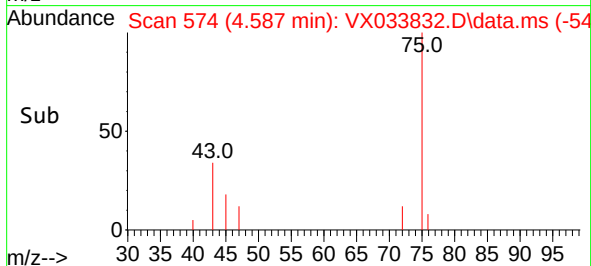
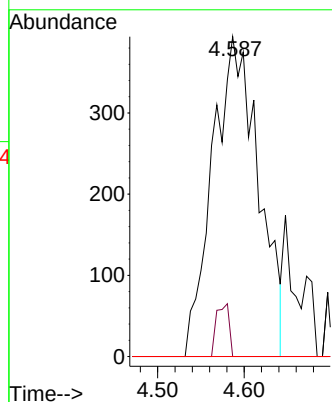
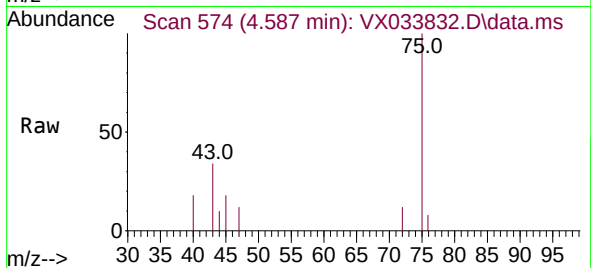
Tgt Ion: 43 Resp: 1458

Ion Ratio Lower Upper

43 100

61 4.5 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.180 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

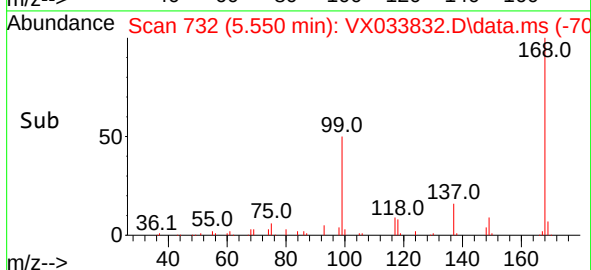
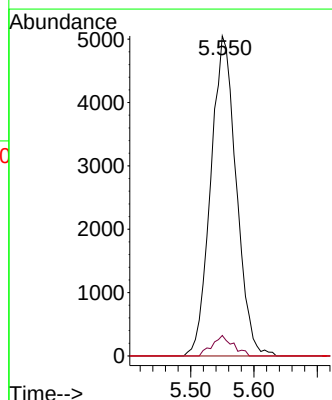
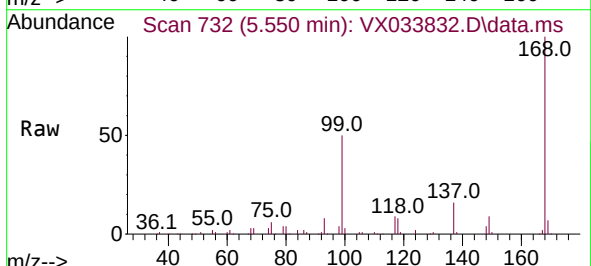
Tgt Ion: 117 Resp: 14131

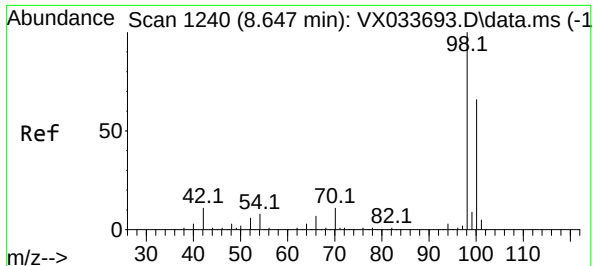
Ion Ratio Lower Upper

117 100

119 6.4 78.0 117.0#

121 0.0 24.4 36.6#

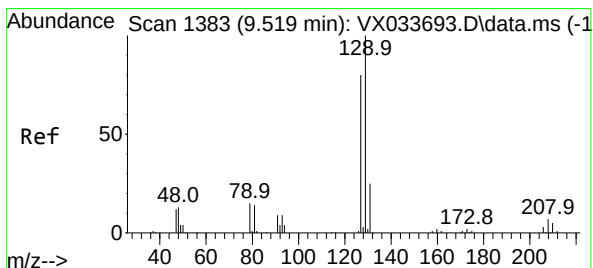
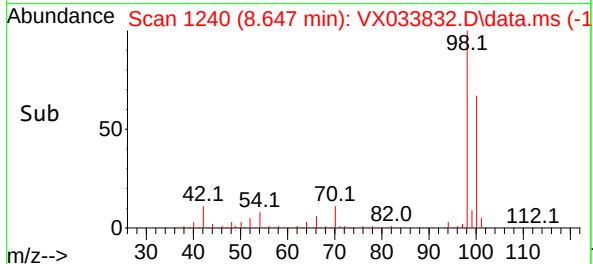
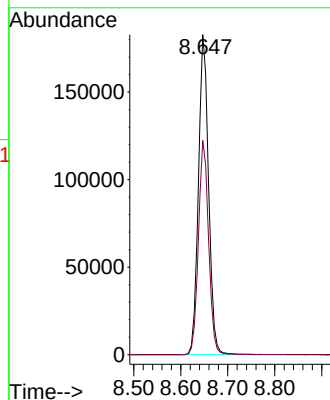
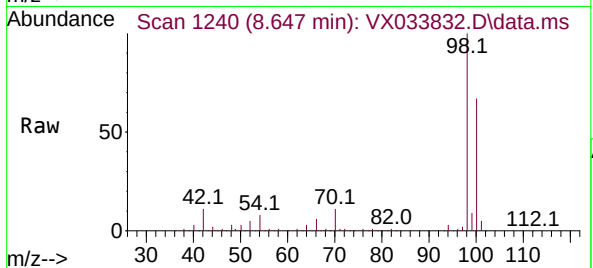




#50
Toluene-d8
Concen: 49.972 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

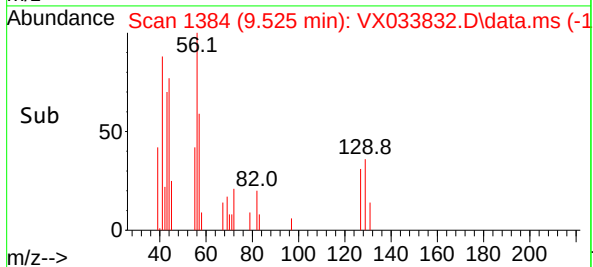
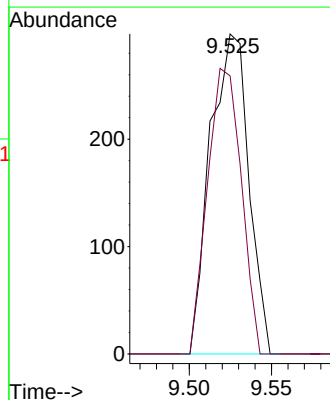
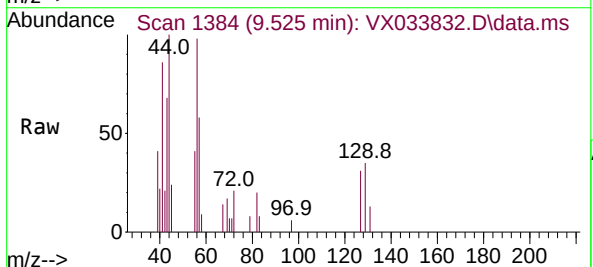
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

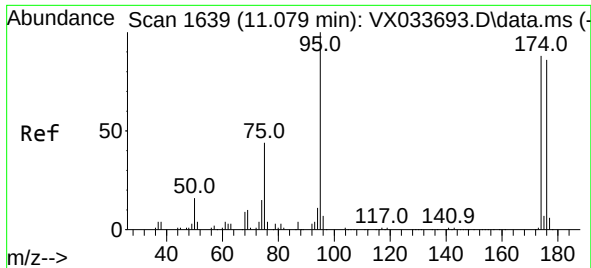
Tgt Ion: 98 Resp: 275409
Ion Ratio Lower Upper
98 100
100 67.2 53.6 80.4



#60
Dibromochloromethane
Concen: 0.284 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion:129 Resp: 484
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.3

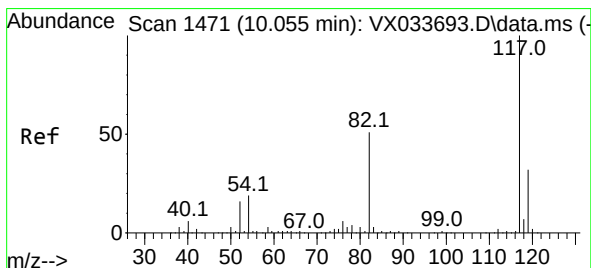
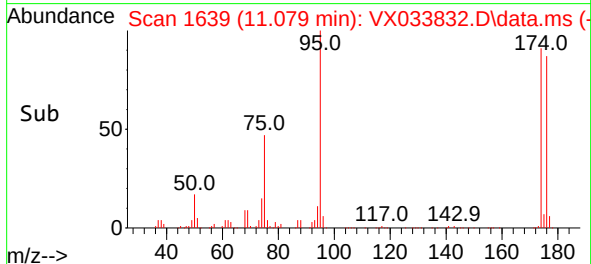
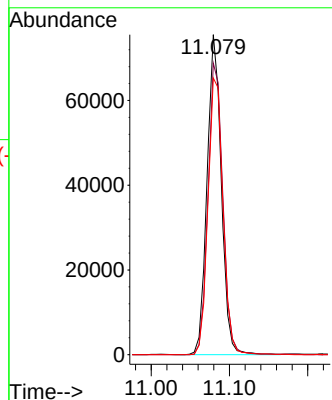
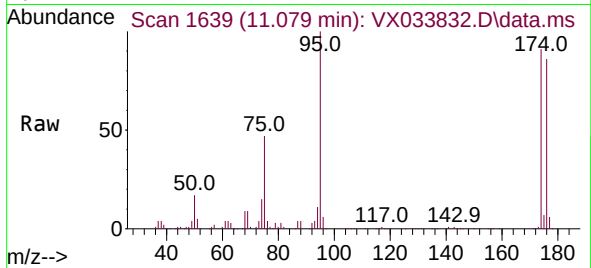




#62
4-Bromofluorobenzene
Concen: 46.404 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

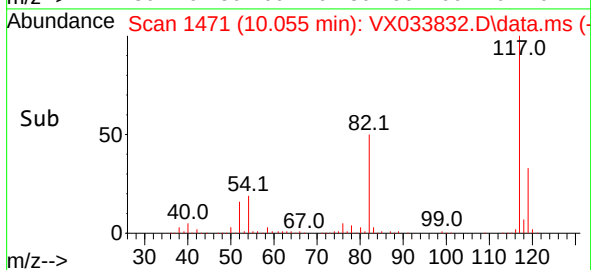
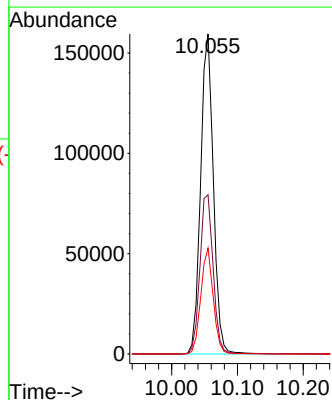
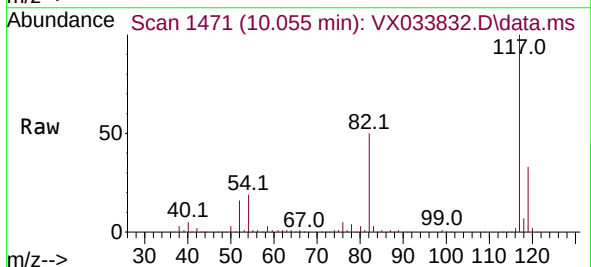
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

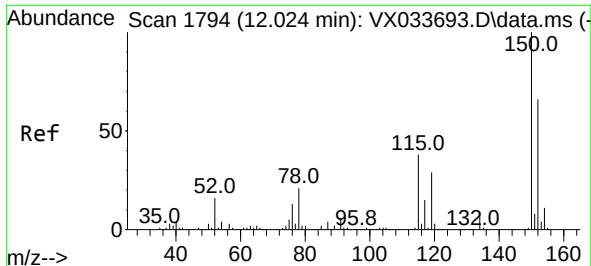
Tgt Ion: 95 Resp: 94954
Ion Ratio Lower Upper
95 100
174 95.2 0.0 184.4
176 91.2 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 117 Resp: 215199
Ion Ratio Lower Upper
117 100
82 49.8 40.6 60.8
119 33.1 25.6 38.4

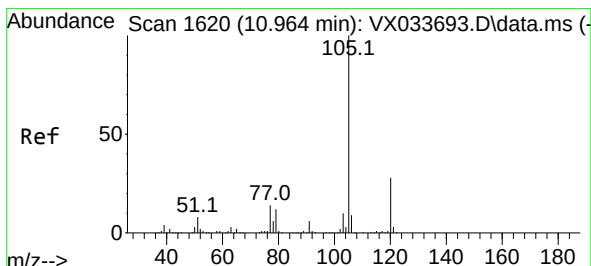
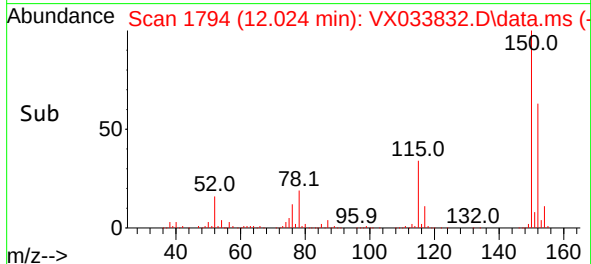
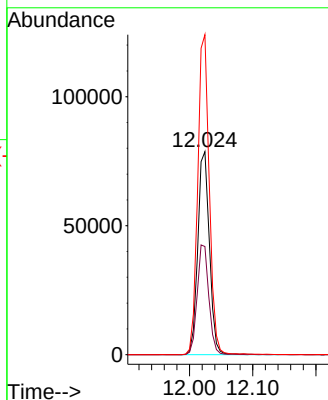
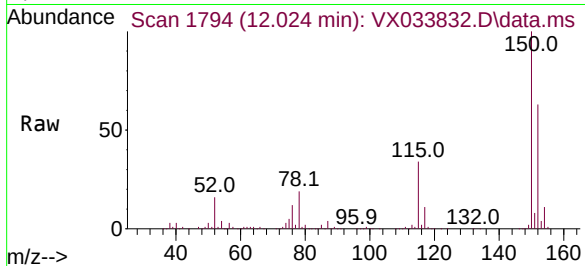




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

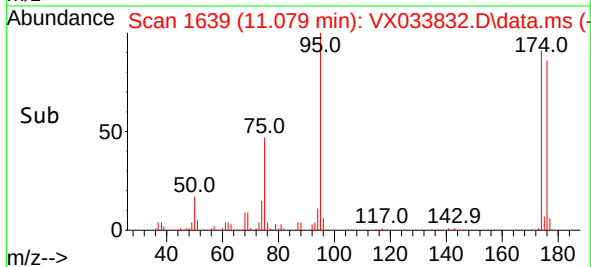
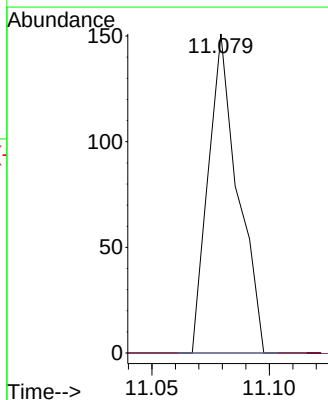
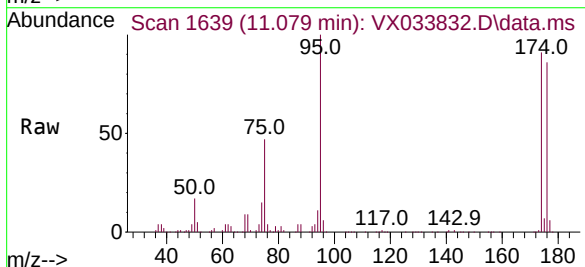
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

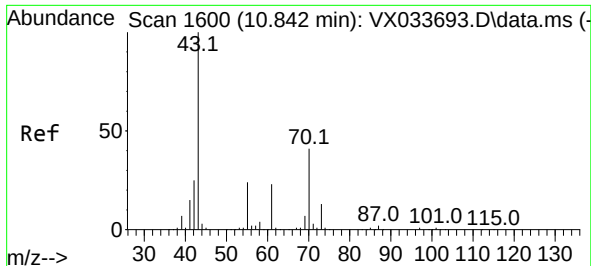
Tgt Ion:152 Resp: 101036
Ion Ratio Lower Upper
152 100
115 54.0 38.7 116.1
150 156.2 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion:105 Resp: 132
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#

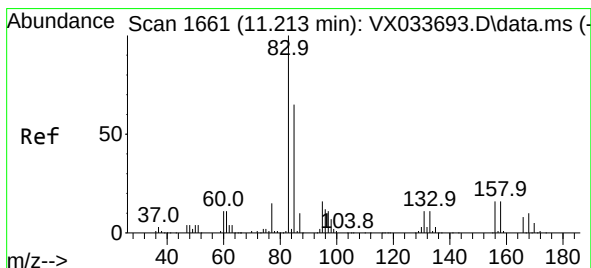
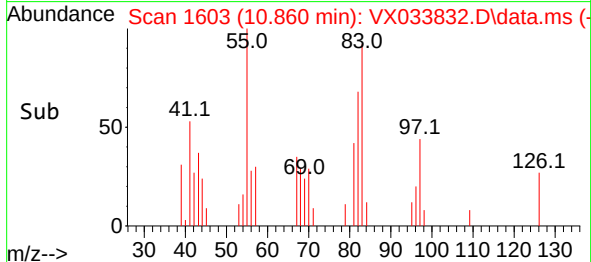
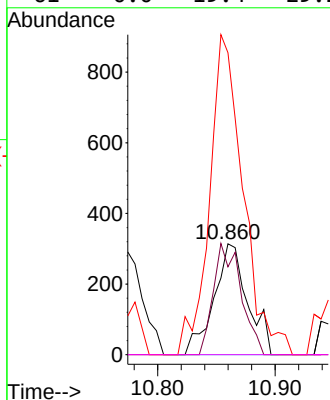
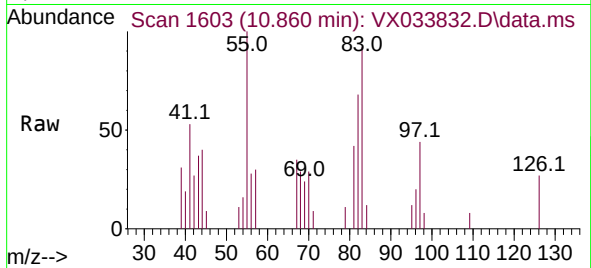




#74
N-amy1 acetate
Concen: 0.236 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

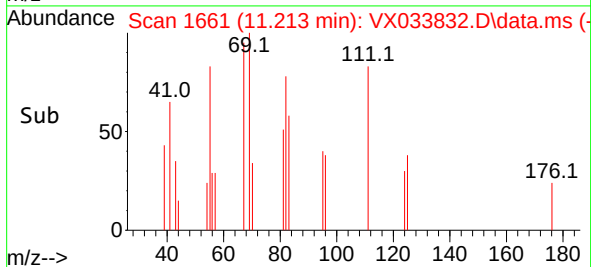
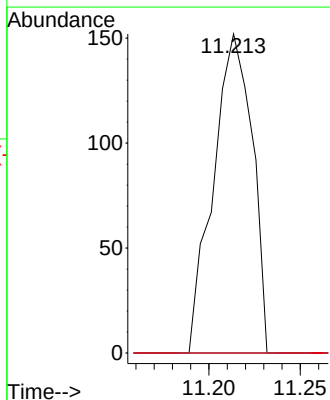
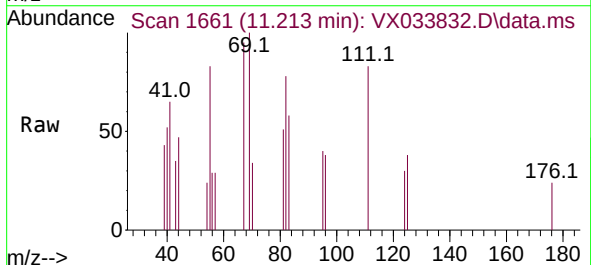
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

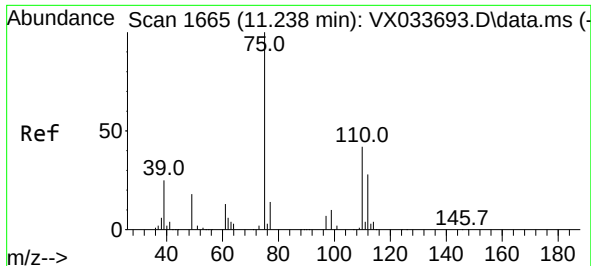
Tgt Ion:	43	Resp:	627
Ion	Ratio	Lower	Upper
43	100		
70	82.1	34.8	52.2#
55	288.4	19.4	29.0#
61	0.0	19.4	29.2#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion:	83	Resp:	225
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.5	16.7#
85	0.0	32.3	96.9#

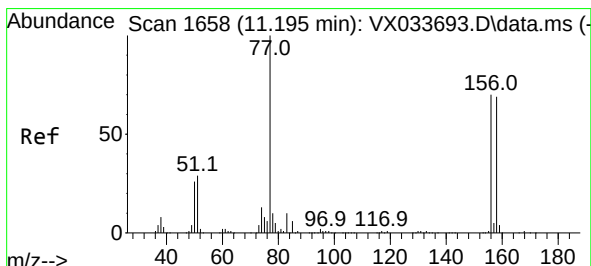
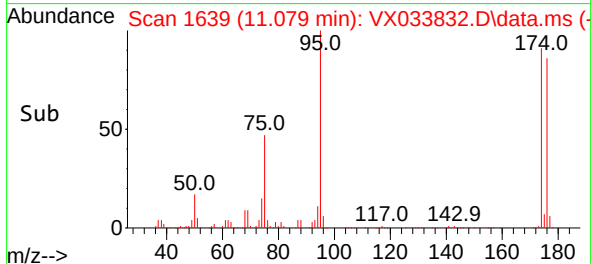
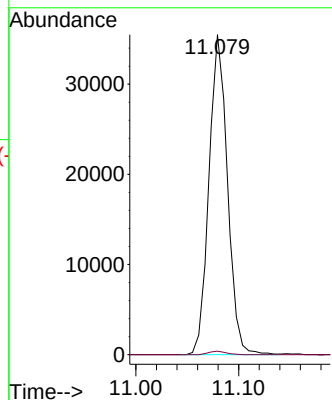
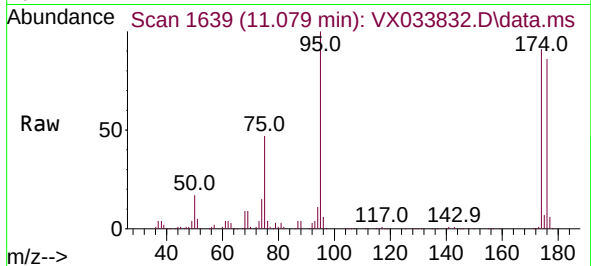




#76
1,2,3-Trichloropropane
Concen: 23.903 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

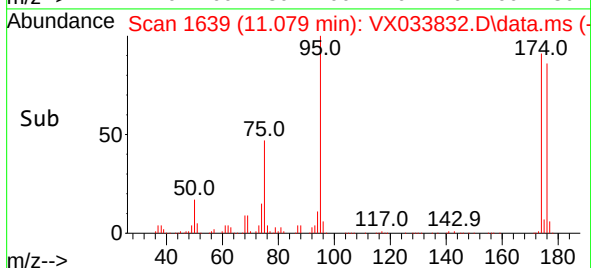
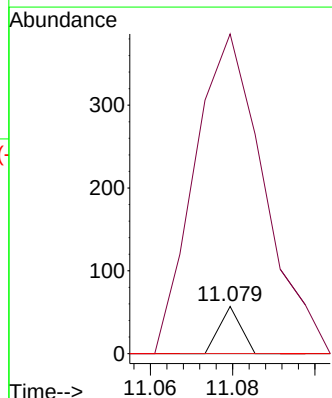
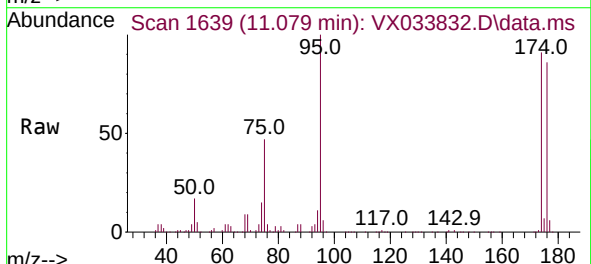
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

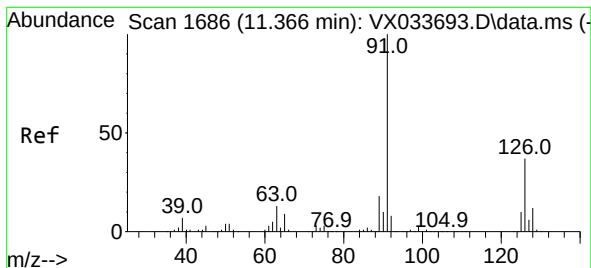
Tgt Ion: 75 Resp: 44373
Ion Ratio Lower Upper
75 100
77 1.0 21.8 65.4#



#77
Bromobenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.116 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion:156 Resp: 21
Ion Ratio Lower Upper
156 100
77 2157.1 68.1 204.3#
158 0.0 48.0 144.2#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.372 min Scan# 1687

Delta R.T. 0.006 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

Instrument :

MSVOA_X

ClientSampleId :

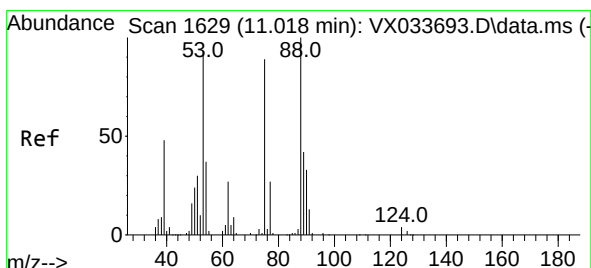
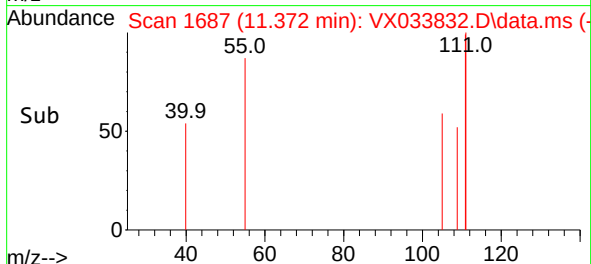
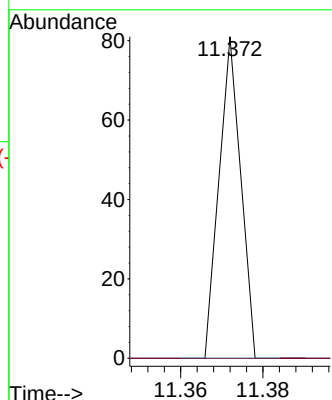
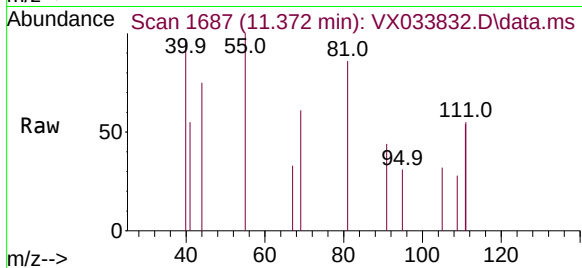
BP-VPB-RW10-GW-58-60

Tgt Ion: 91 Resp: 30

Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.287 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033832.D

Acq: 20 Jan 2023 16:40

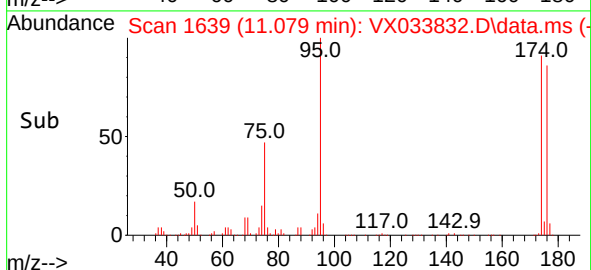
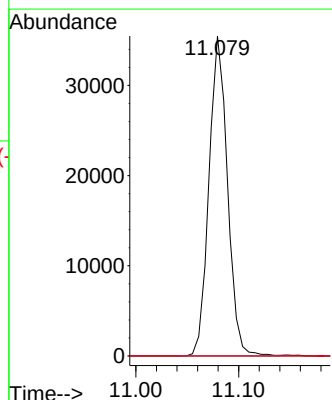
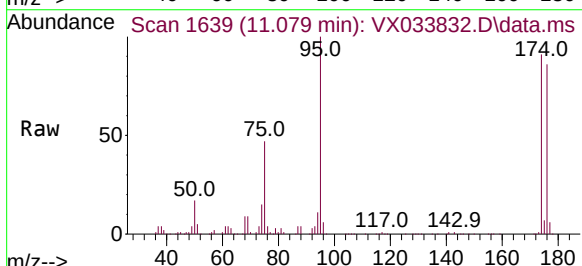
Tgt Ion: 75 Resp: 44373

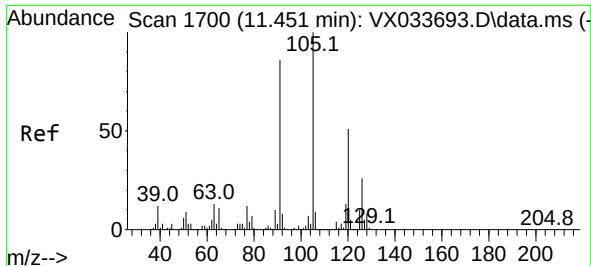
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#

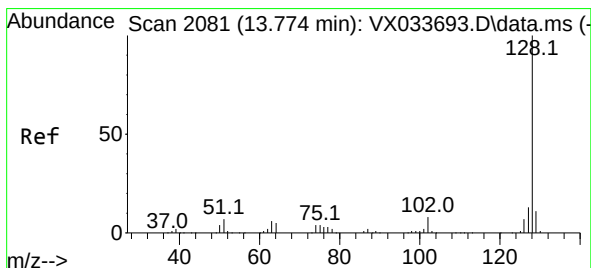
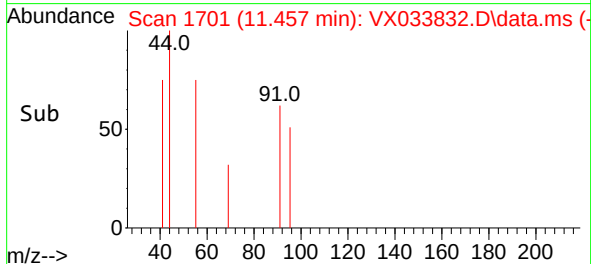
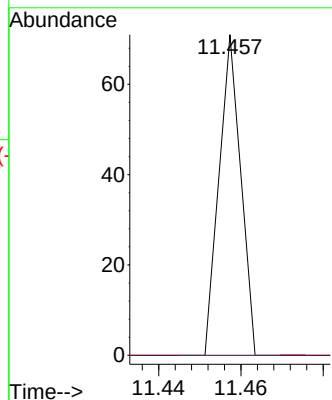
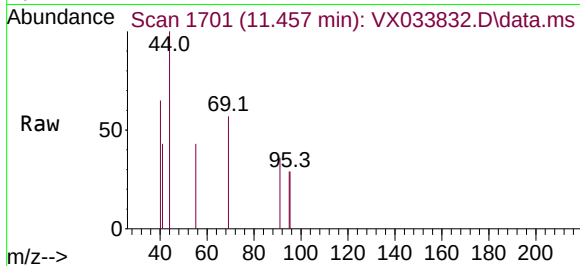




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-58-60

Tgt Ion: 91 Resp: 26
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#



#95
Naphthalene
Concen: 0.323 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033832.D
Acq: 20 Jan 2023 16:40

Tgt Ion: 128 Resp: 2059
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 9.0 8.7 13.1

