

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033826.D
 Acq On : 20 Jan 2023 14:21
 Operator : JC/MD
 Sample : 01242-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-238-240

Quant Time: Jan 21 04:44:30 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)

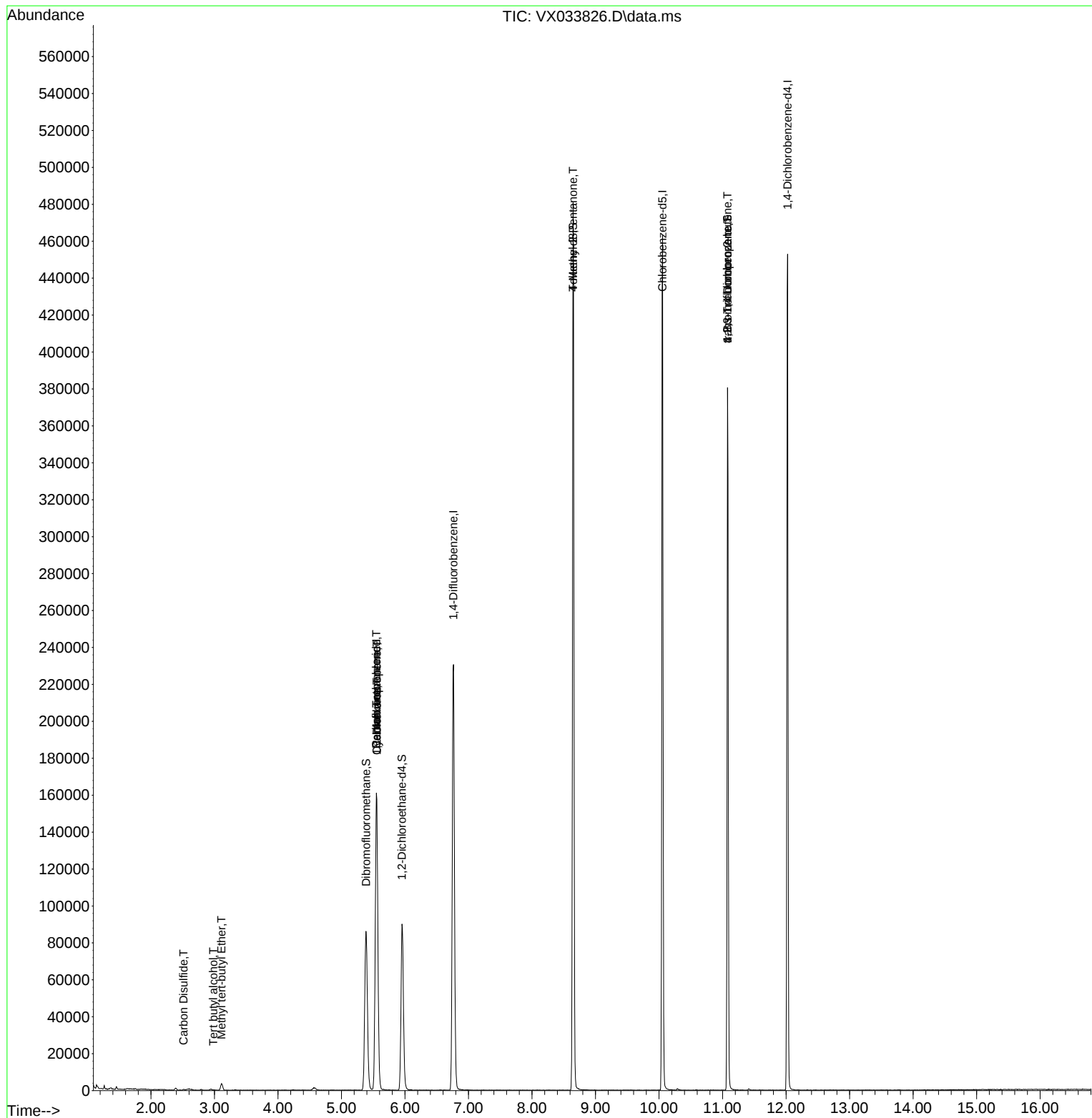
Internal Standards						
1) Pentafluorobenzene	5.550	168	173456	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	253228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	225790	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	85629	46.886	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.780%
35) Dibromofluoromethane	5.385	113	77891	49.536	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.080%
50) Toluene-d8	8.647	98	290079	50.632	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.260%
62) 4-Bromofluorobenzene	11.079	95	98922	46.505	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.983	59	216	0.681	ug/l #	86
16) Acetone	2.386	43	1633	Below Cal		92
17) Carbon Disulfide	2.514	76	675	2.004	ug/l #	76
19) Methyl tert-butyl Ether	3.111	73	4132	0.843	ug/l	92
20) Methylene Chloride	2.788	84	173	Below Cal	#	66
31) Cyclohexane	5.556	56	2511	0.934	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10335	4.504	ug/l #	49
37) Ethyl Acetate	4.580	43	167	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	14647	6.162	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1122	0.504	ug/l #	1
73) Isopropylbenzene	11.085	105	21	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	46757	23.820	ug/l #	34
79) 2-Chlorotoluene	11.305	91	50	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	46757	74.031	ug/l #	8
82) 4-Chlorotoluene	11.305	91	50	Below Cal	#	43

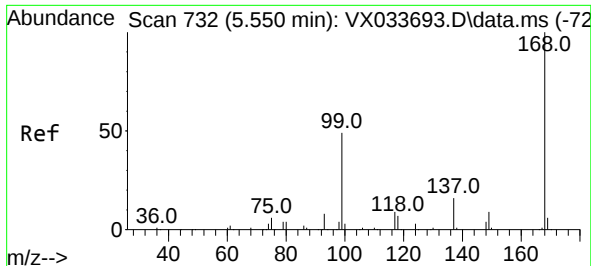
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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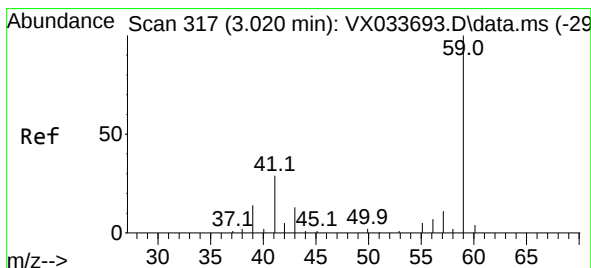
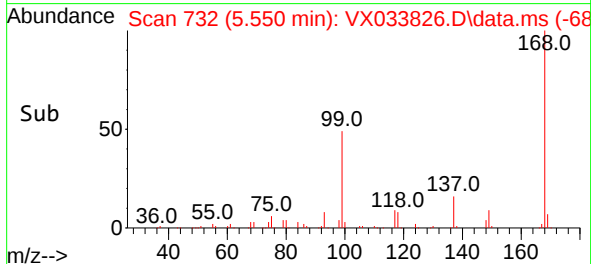
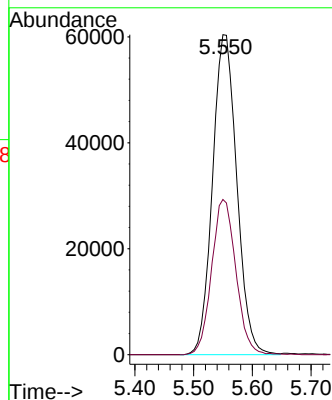
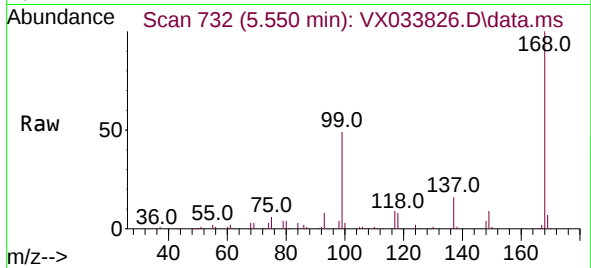




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

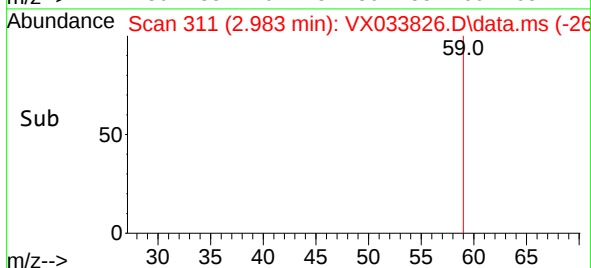
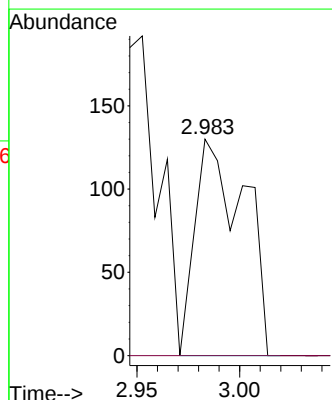
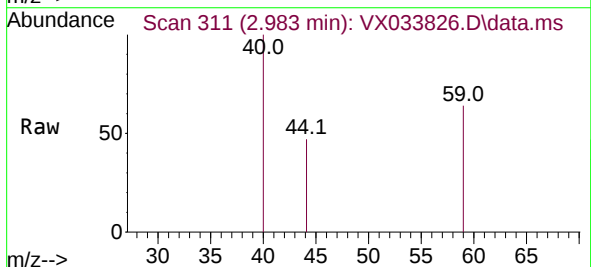
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-238-240

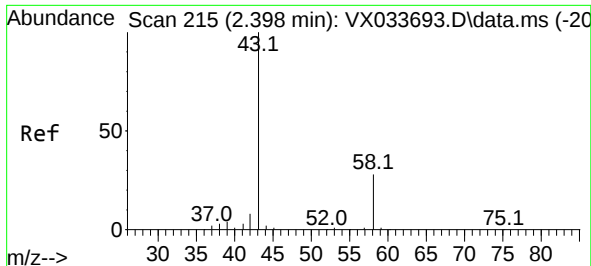
Tgt Ion:168 Resp: 173456
Ion Ratio Lower Upper
168 100
99 48.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.681 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.037 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

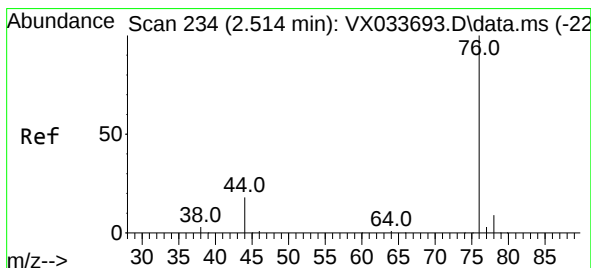
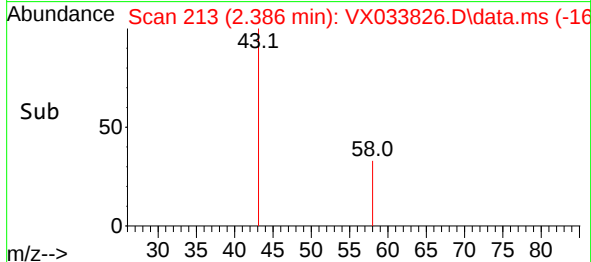
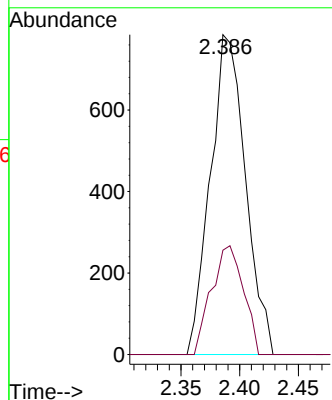
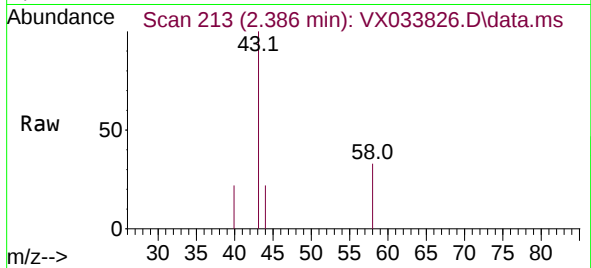




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 215
Delta R.T. -0.012 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

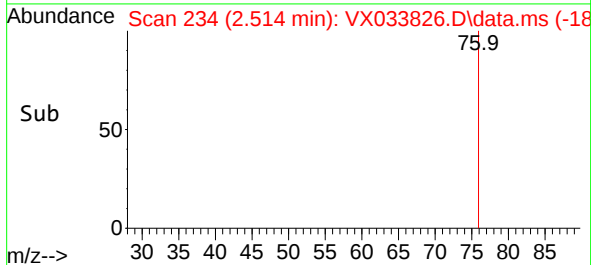
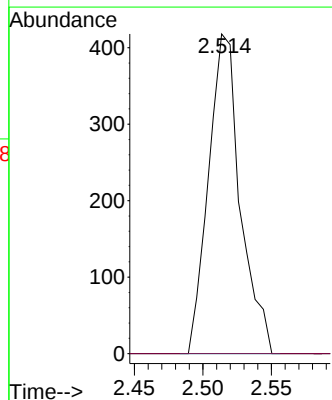
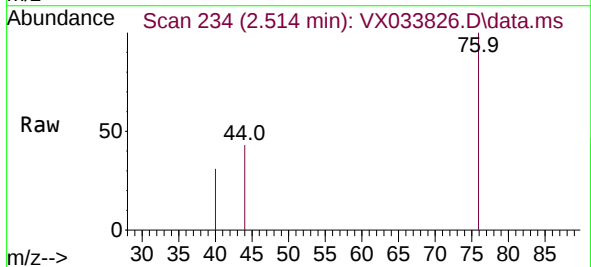
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-238-240

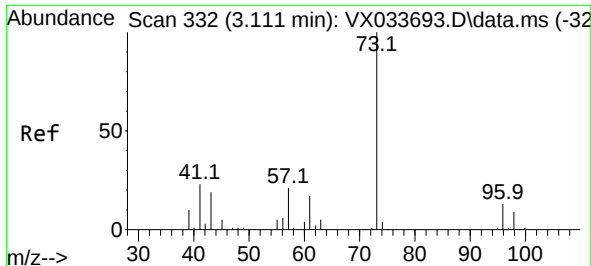
Tgt Ion: 43 Resp: 1633
Ion Ratio Lower Upper
43 100
58 32.6 22.6 33.8



#17
Carbon Disulfide
Concen: 2.004 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 76 Resp: 675
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

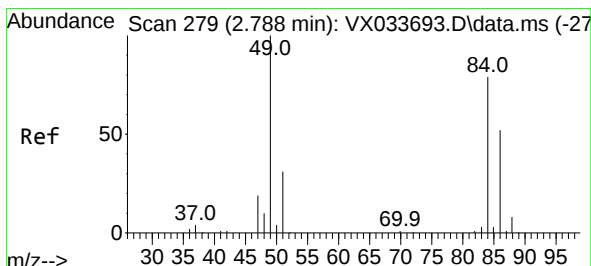
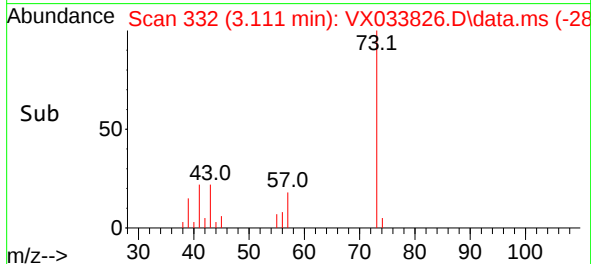
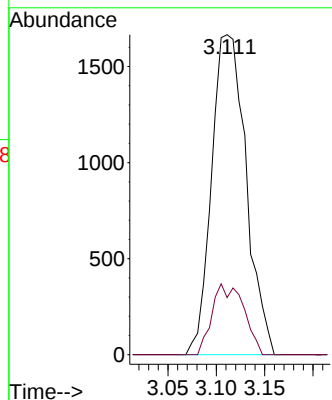
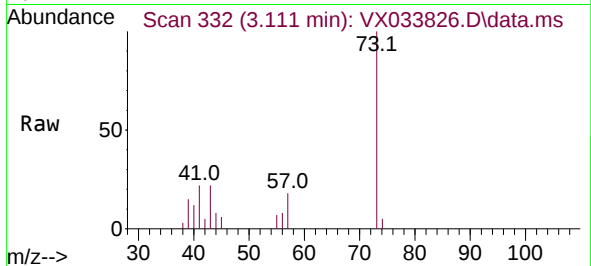




#19
Methyl tert-butyl Ether
Concen: 0.843 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

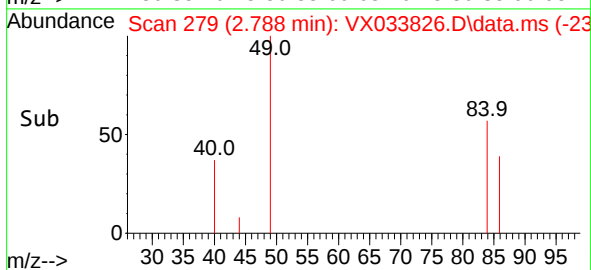
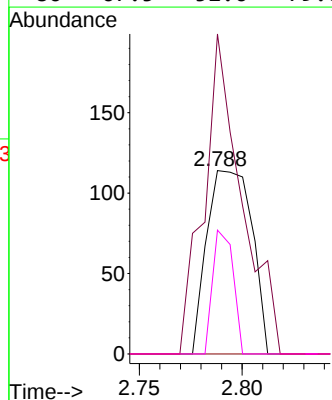
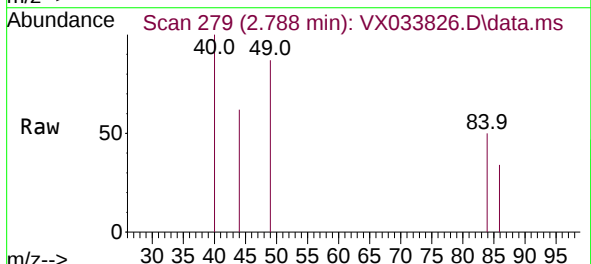
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-238-240

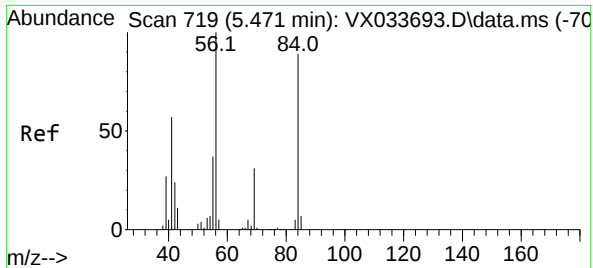
Tgt Ion: 73 Resp: 4132
Ion Ratio Lower Upper
73 100
57 17.8 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 84 Resp: 173
Ion Ratio Lower Upper
84 100
49 174.6 101.1 151.7#
51 0.0 31.0 46.6#
86 67.5 52.6 79.0

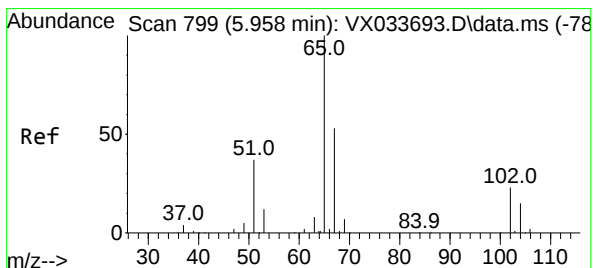
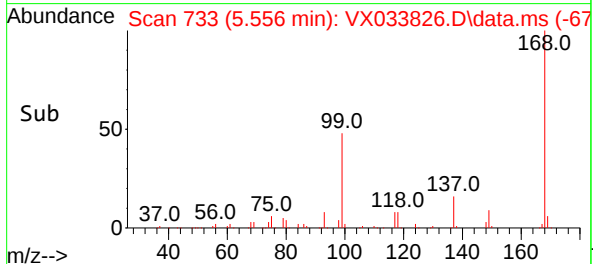
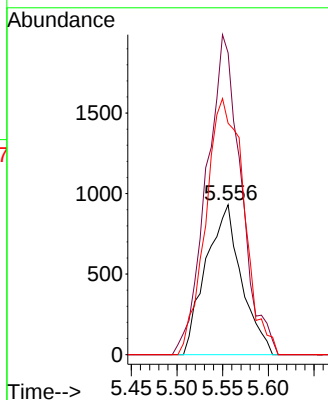
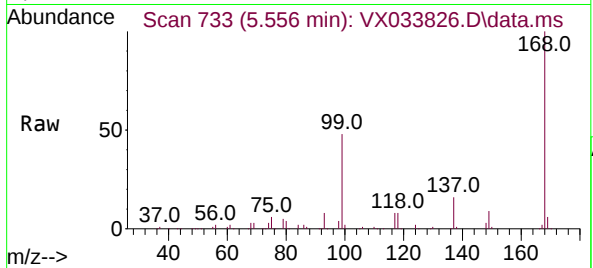




#31
Cyclohexane
Concen: 0.934 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

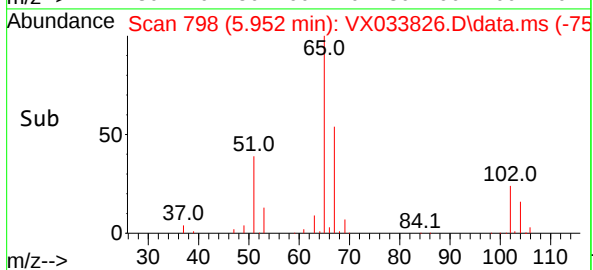
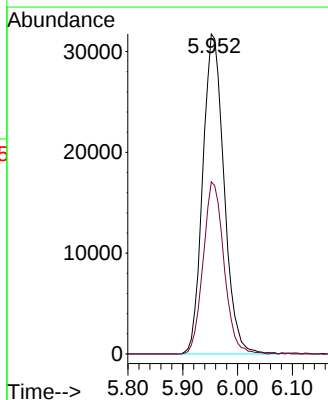
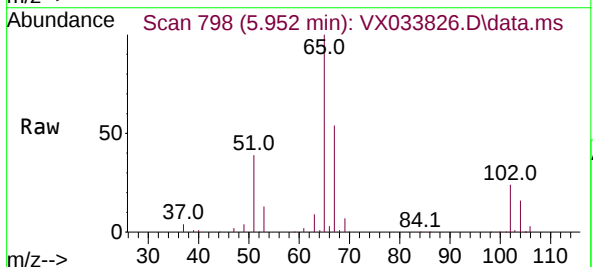
Instrument :
MSVOA_X
ClientSampleId :
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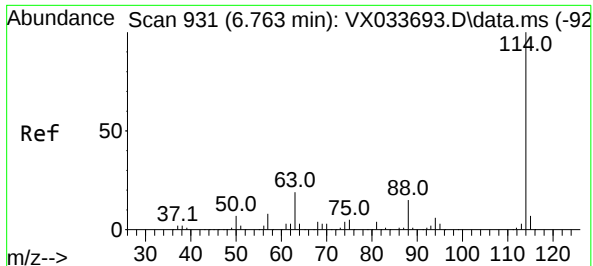
Tgt Ion: 56 Resp: 2511
Ion Ratio Lower Upper
56 100
69 201.3 24.6 37.0#
84 154.4 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.886 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 65 Resp: 85629
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.8

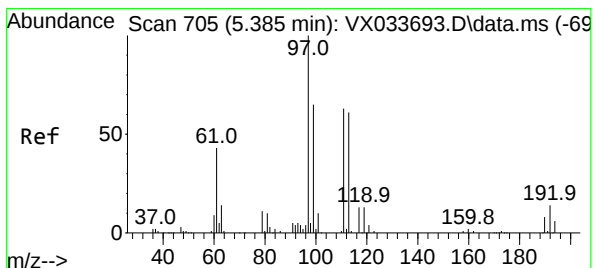
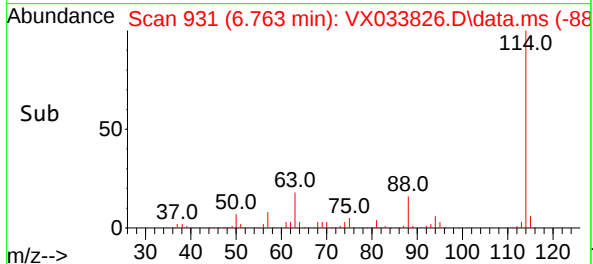
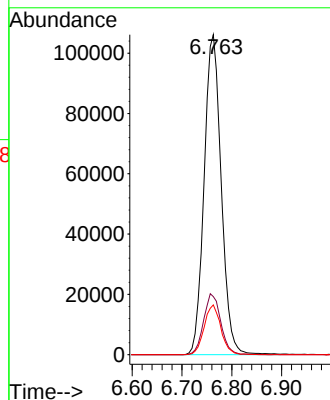
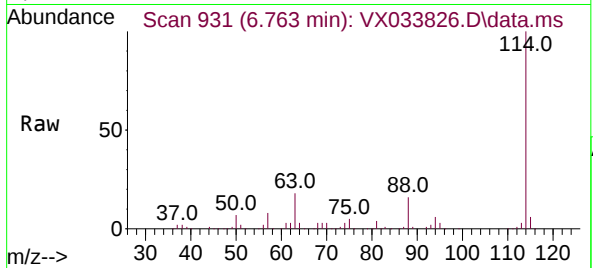




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

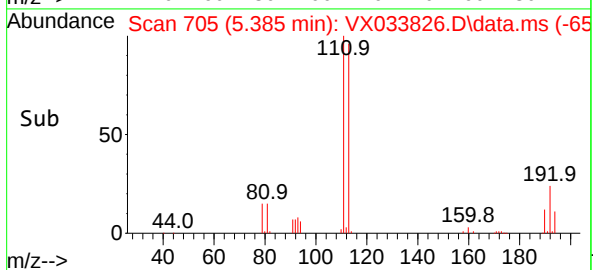
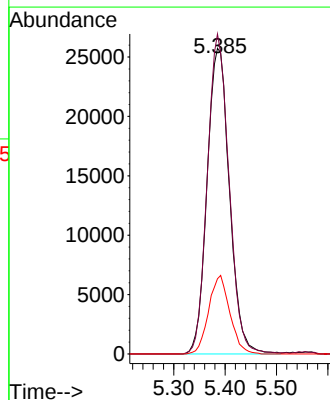
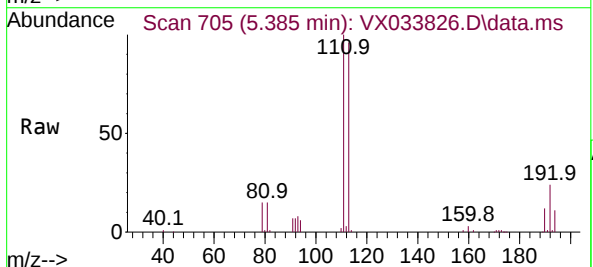
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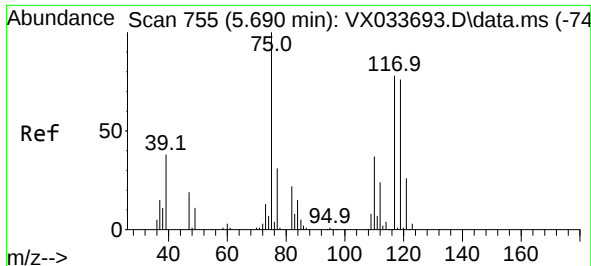
Tgt Ion:114 Resp: 253228
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.536 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion:113 Resp: 77891
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.6
192 24.2 19.0 28.4

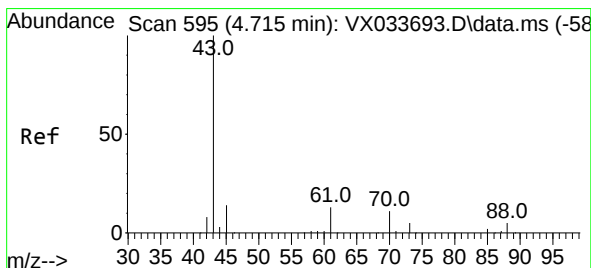
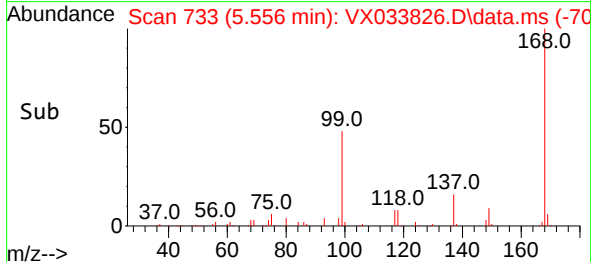
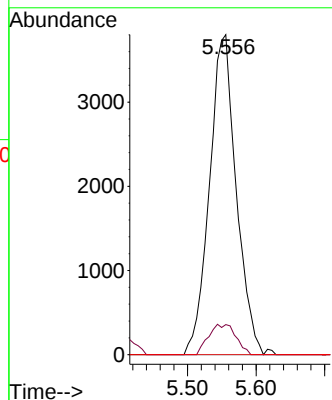
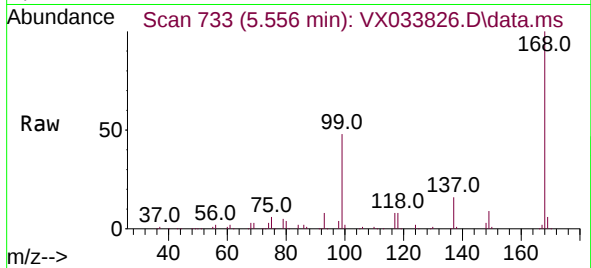




#36
1,1-Dichloropropene
Concen: 4.504 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

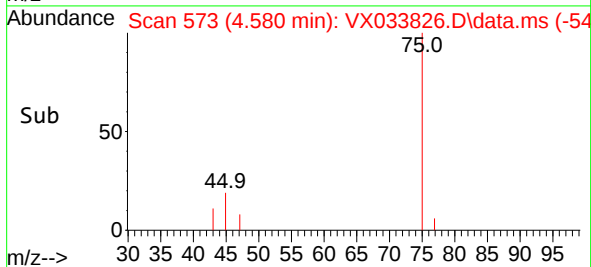
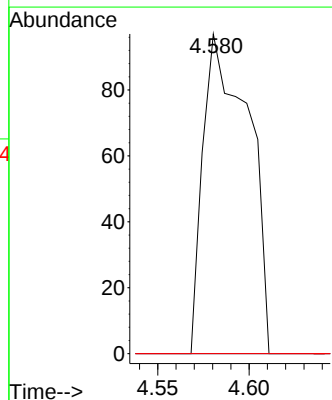
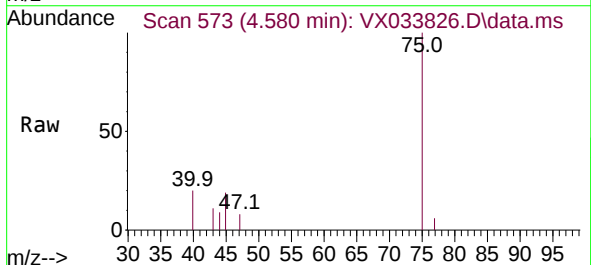
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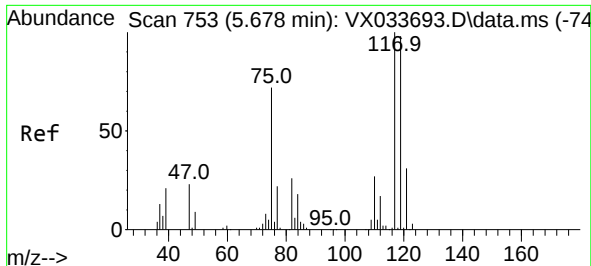
Tgt Ion: 75 Resp: 10335
Ion Ratio Lower Upper
75 100
110 9.7 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.580 min Scan# 573
Delta R.T. -0.135 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

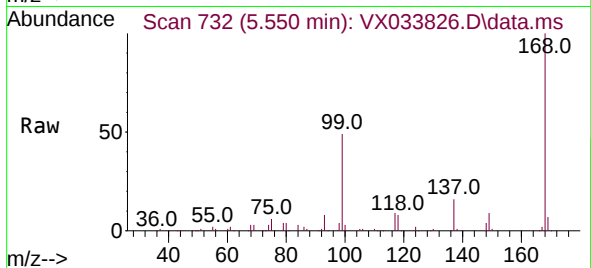
Tgt Ion: 43 Resp: 167
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#



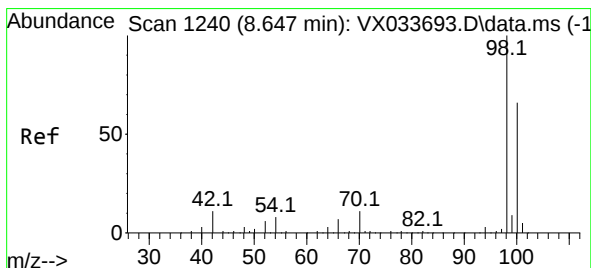
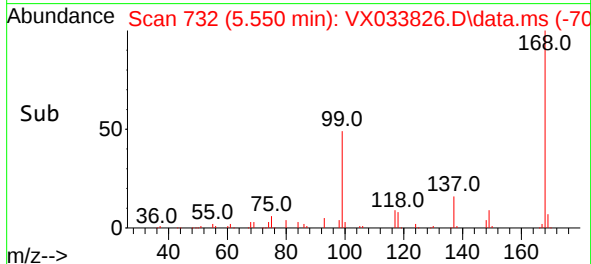
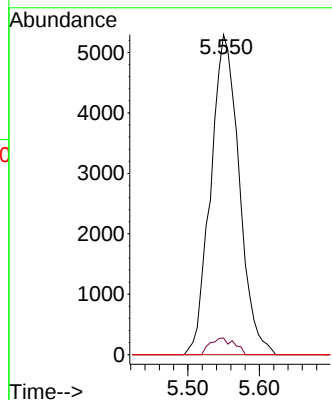


#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Instrument :
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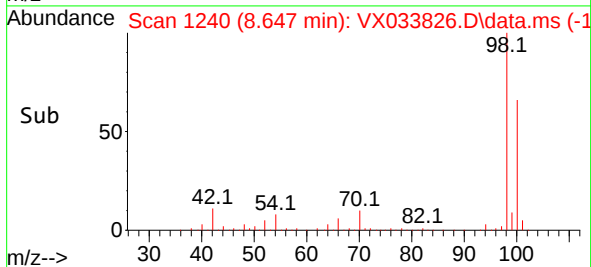
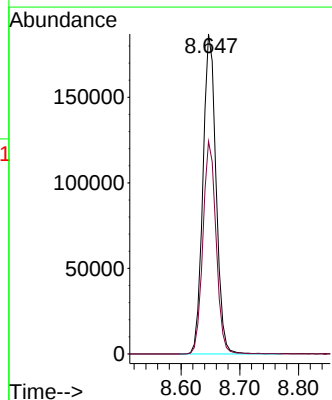
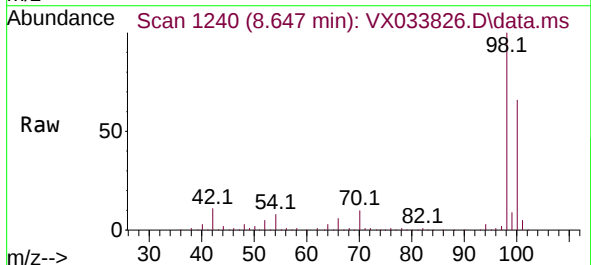


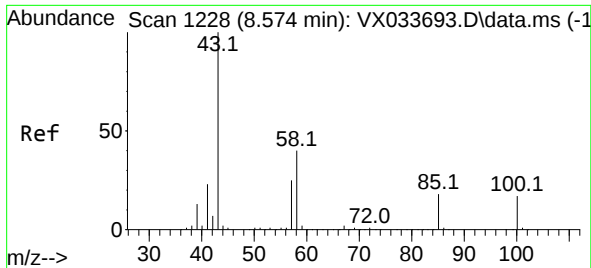
Tgt Ion:117 Resp: 14647
Ion Ratio Lower Upper
117 100
119 5.2 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.632 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 98 Resp: 290079
Ion Ratio Lower Upper
98 100
100 66.6 53.6 80.4

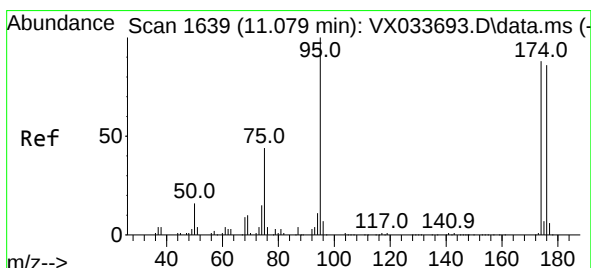
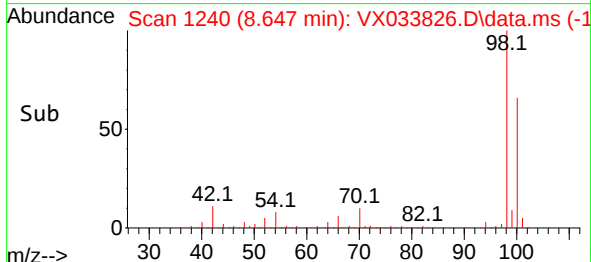
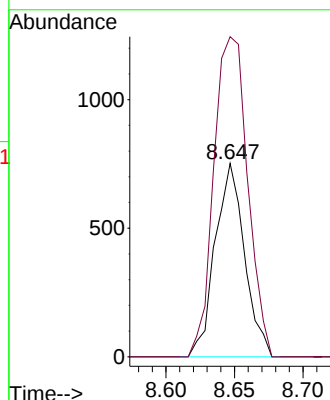
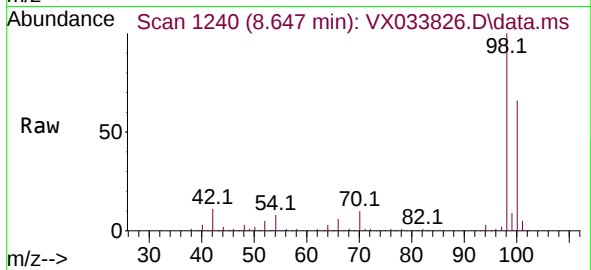




#51
4-Methyl-2-Pentanone
Concen: 0.504 ug/l
RT: 8.647 min Scan# 1122
Delta R.T. 0.073 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

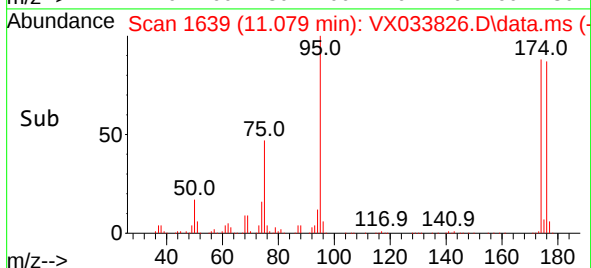
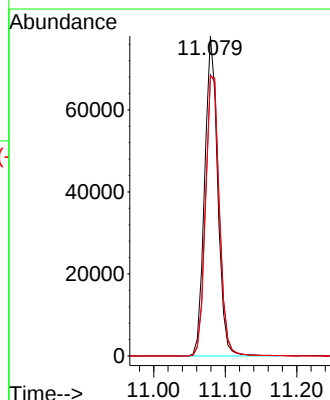
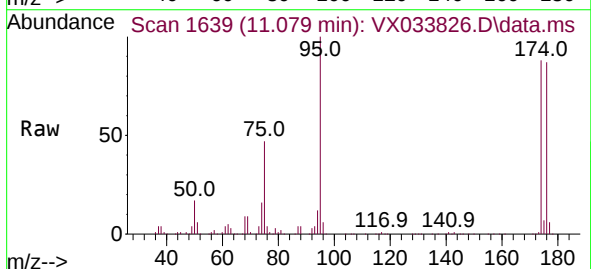
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-238-240

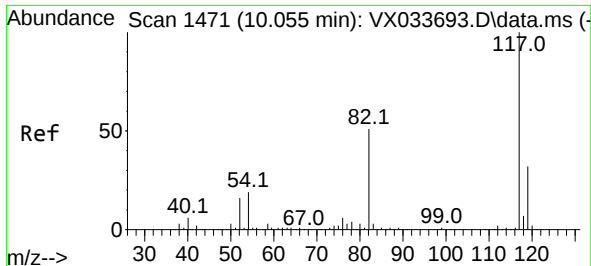
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
58 190.6 31.2 46.8#



#62
4-Bromofluorobenzene
Concen: 46.505 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 95 Resp: 98922
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.4
176 92.1 0.0 178.8

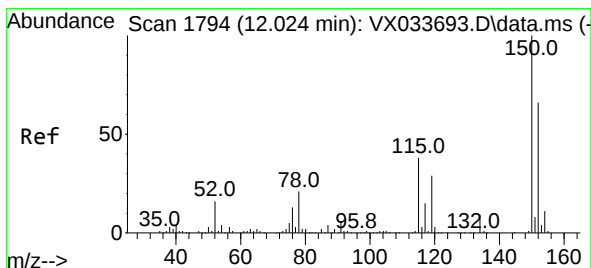
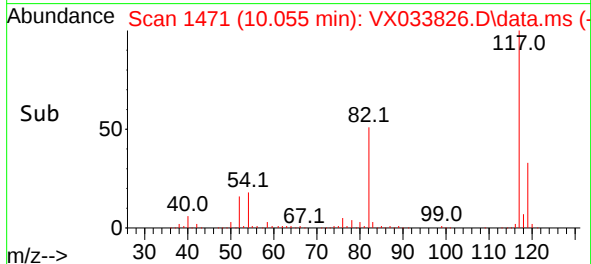
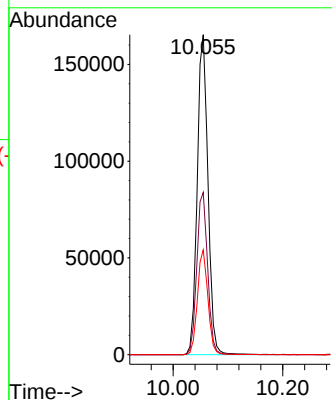
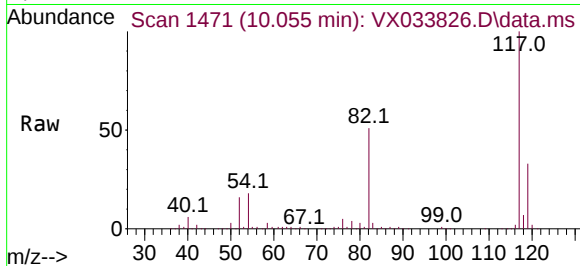




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

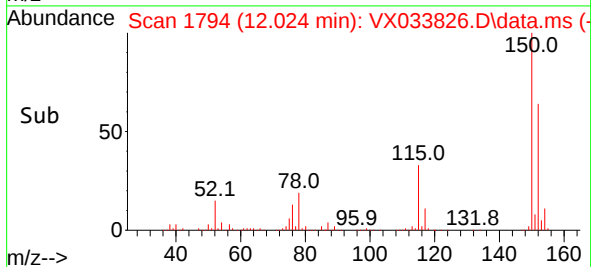
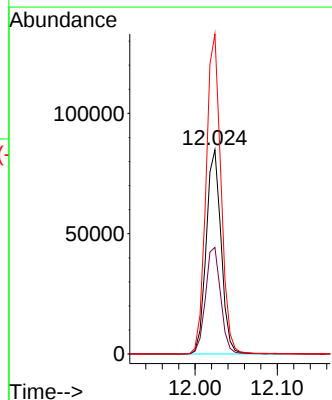
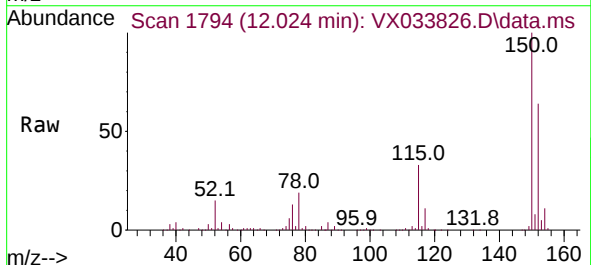
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-238-240

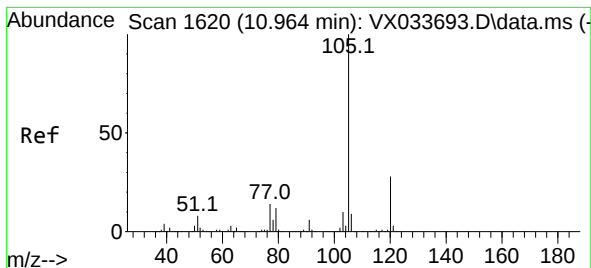
Tgt Ion:117 Resp: 225790
Ion Ratio Lower Upper
117 100
82 50.7 40.6 60.8
119 32.8 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion:152 Resp: 106833
Ion Ratio Lower Upper
152 100
115 53.4 38.7 116.1
150 156.9 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.085 min Scan# 1

Delta R.T. 0.121 min

Lab File: VX033826.D

Acq: 20 Jan 2023 14:21

Instrument :

MSVOA_X

ClientSampleId :

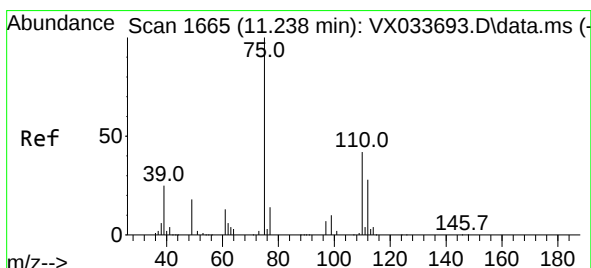
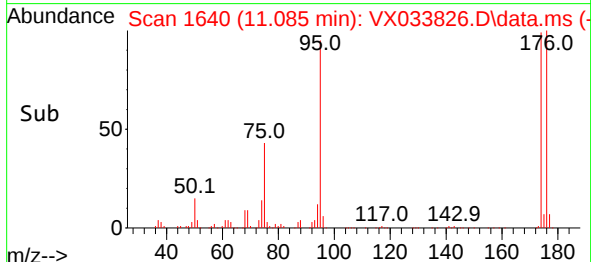
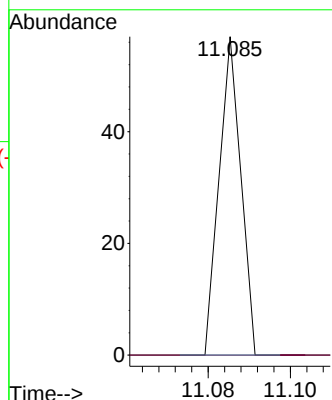
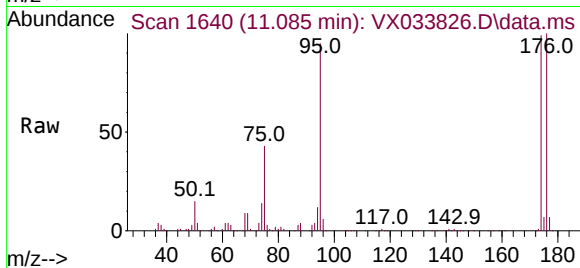
BP-VPB-RW10-GW-238-240

Tgt Ion:105 Resp: 21

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 23.820 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033826.D

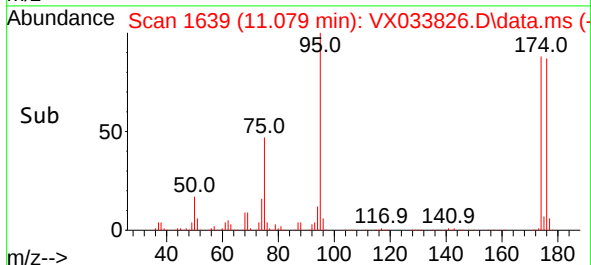
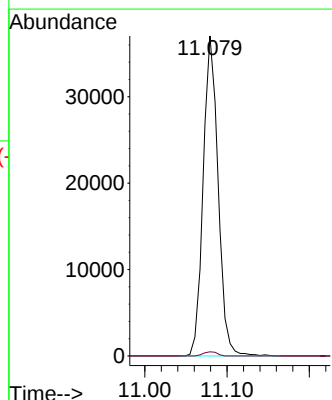
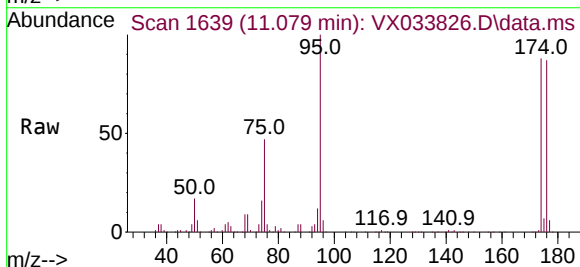
Acq: 20 Jan 2023 14:21

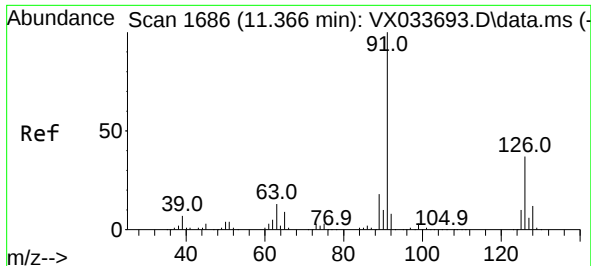
Tgt Ion: 75 Resp: 46757

Ion Ratio Lower Upper

75 100

77 1.2 21.8 65.4#

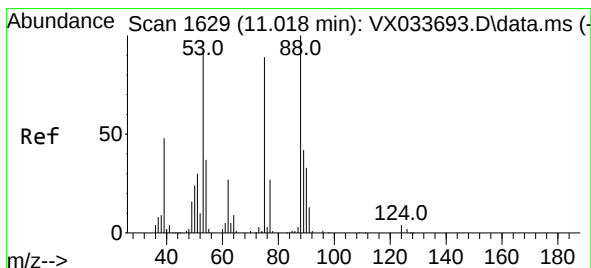
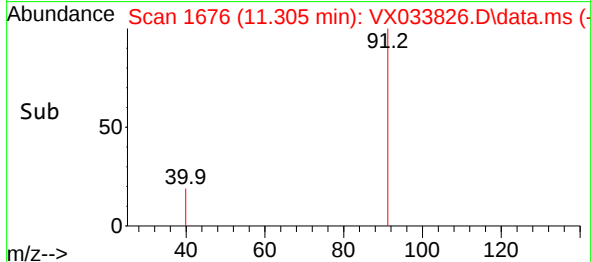
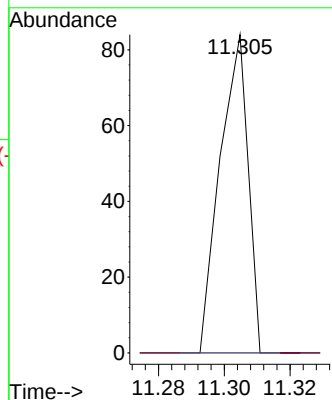
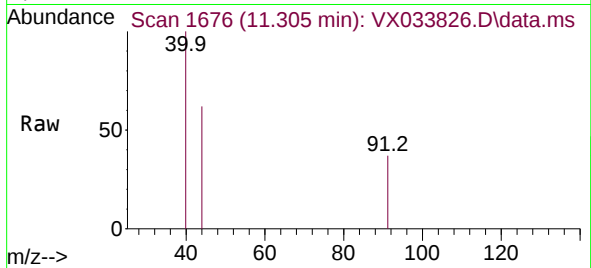




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

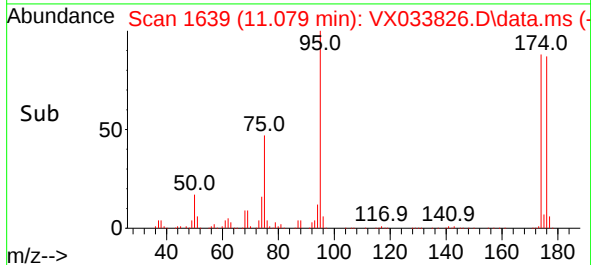
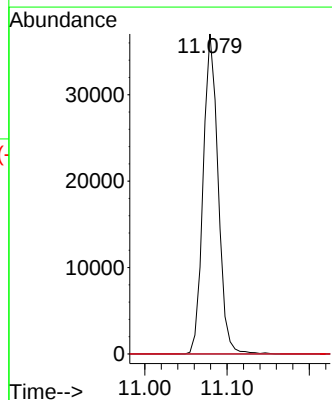
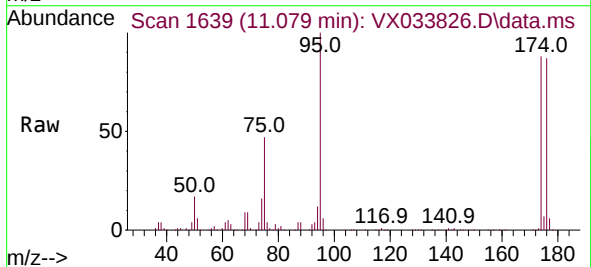
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW10-GW-238-240

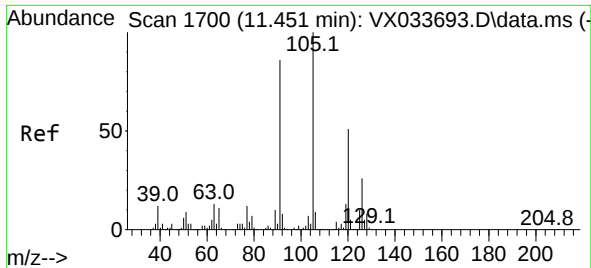
Tgt Ion: 91 Resp: 50
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033826.D
Acq: 20 Jan 2023 14:21

Tgt Ion: 75 Resp: 46757
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: 11.305 min Scan# 1
 Delta R.T. -0.146 min
 Lab File: VX033826.D
 Acq: 20 Jan 2023 14:21

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-238-240

Tgt Ion: 91 Resp: 50
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.8 47.4#

