

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033833.D
 Acq On : 20 Jan 2023 17:03
 Operator : JC/MD
 Sample : 01242-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-298-300

Quant Time: Jan 21 04:46:44 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)

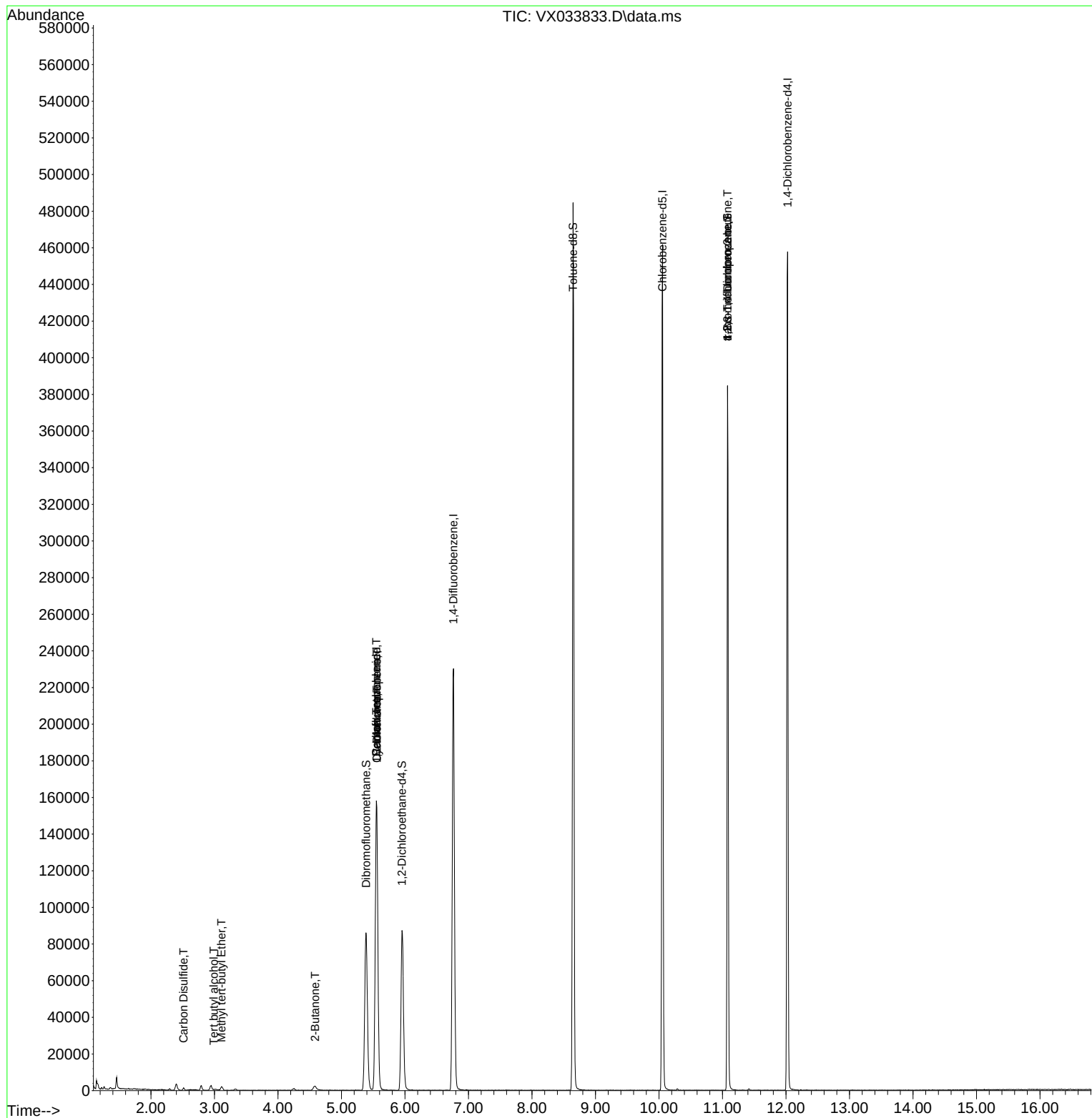
Internal Standards						
1) Pentafluorobenzene	5.550	168	171104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	250607	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84695	47.012	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.020%
35) Dibromofluoromethane	5.385	113	77064	49.523	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.040%
50) Toluene-d8	8.647	98	288480	50.880	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.760%
62) 4-Bromofluorobenzene	11.079	95	100154	47.577	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.989	59	131	0.419	ug/l #	86
16) Acetone	2.398	43	4945	Below Cal		92
17) Carbon Disulfide	2.514	76	1613	2.263	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	2271	0.470	ug/l	97
20) Methylene Chloride	2.794	84	1226	Below Cal		92
25) 2-Butanone	4.587	43	565	0.480	ug/l	96
31) Cyclohexane	5.556	56	2564	0.967	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10312	4.541	ug/l #	49
37) Ethyl Acetate	4.715	43	20	Below Cal	#	68
38) Carbon Tetrachloride	5.550	117	14704	6.251	ug/l #	15
73) Isopropylbenzene	11.079	105	122	Below Cal	#	48
76) 1,2,3-Trichloropropane	11.079	75	46699	23.583	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	46699	73.293	ug/l #	8

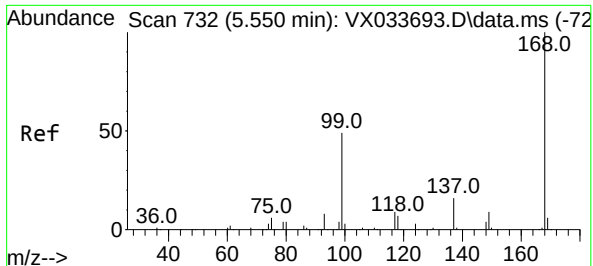
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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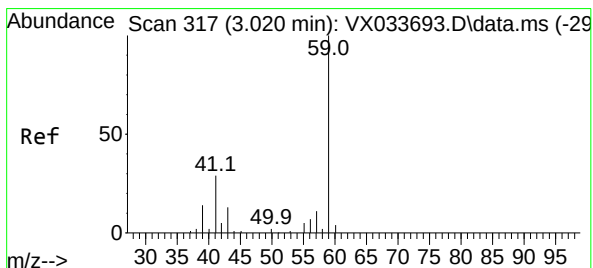
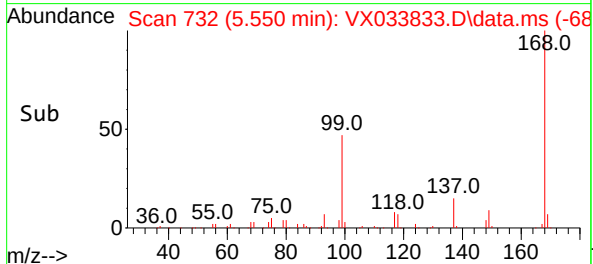
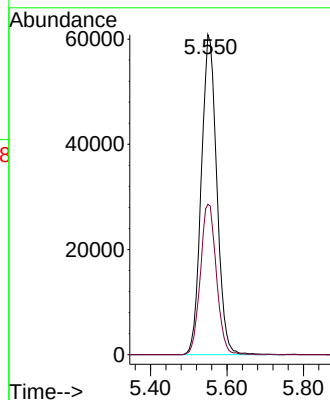
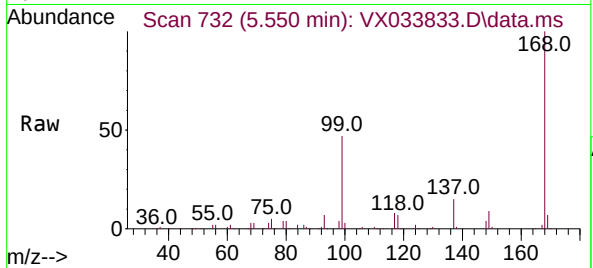




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

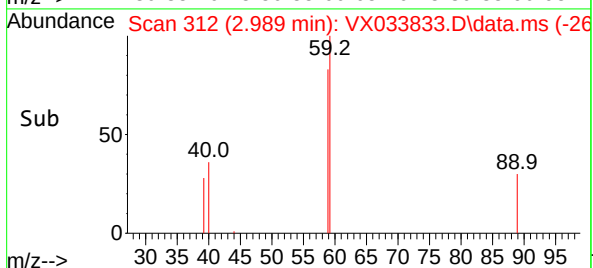
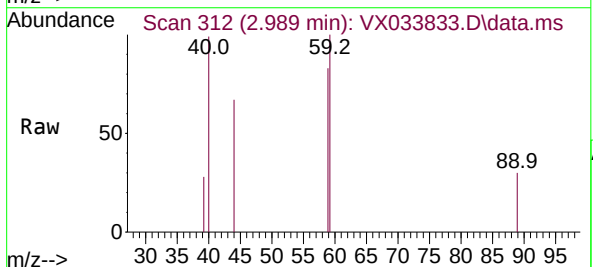
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-298-300

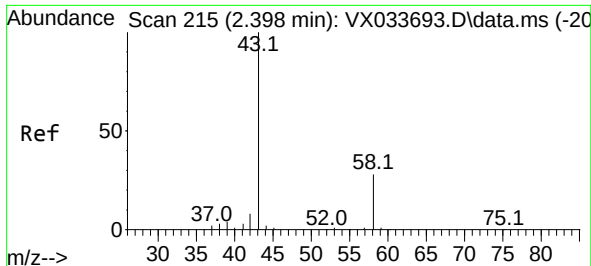
Tgt Ion:168 Resp: 171104
Ion Ratio Lower Upper
168 100
99 47.0 39.6 59.4



#11
Tert butyl alcohol
Concen: 0.419 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.030 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

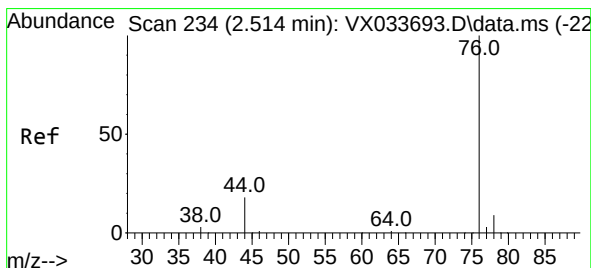
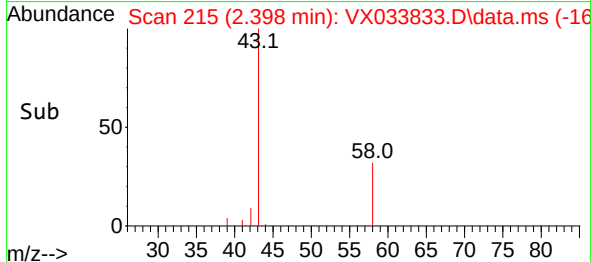
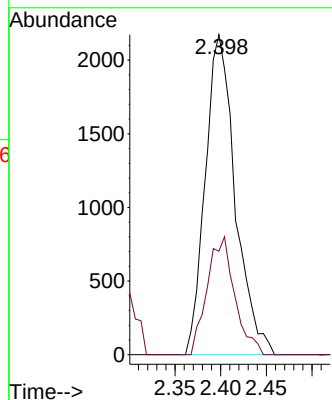
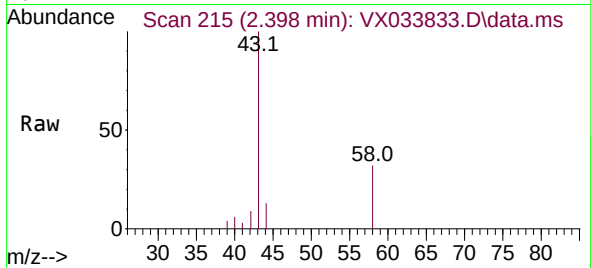




#16
Acetone
Concen: Below Cal
RT: 2.398 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

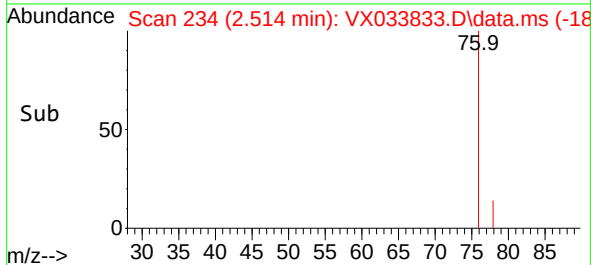
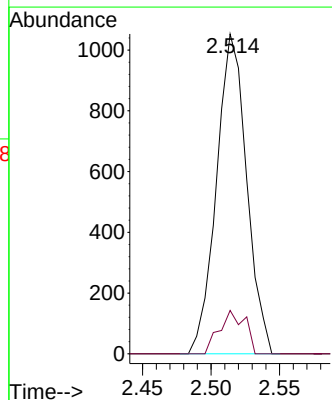
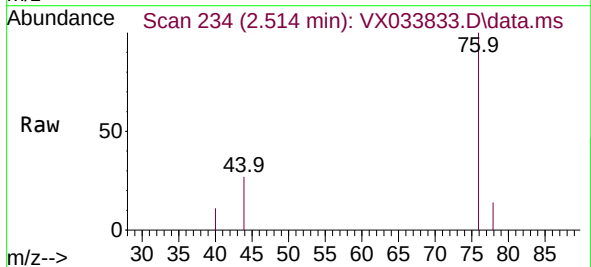
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-298-300

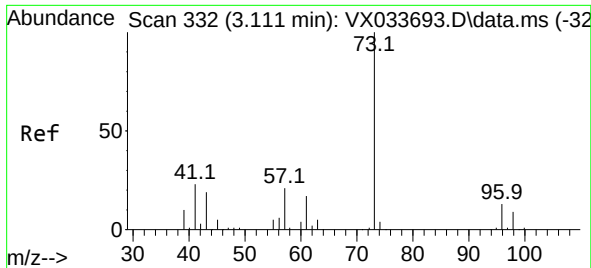
Tgt Ion: 43 Resp: 4945
Ion Ratio Lower Upper
43 100
58 32.4 22.6 33.8



#17
Carbon Disulfide
Concen: 2.263 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion: 76 Resp: 1613
Ion Ratio Lower Upper
76 100
78 13.6 7.0 10.6#

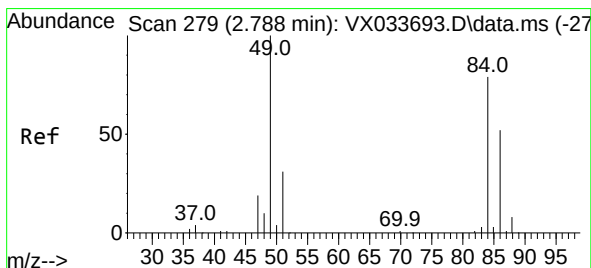
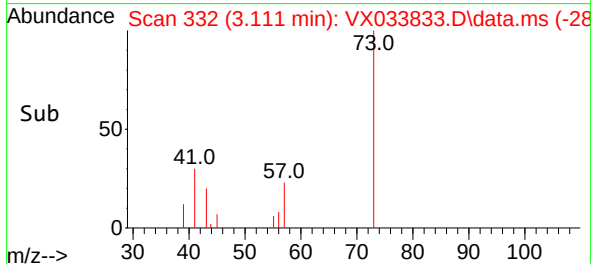
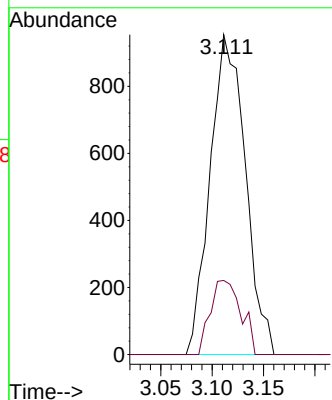
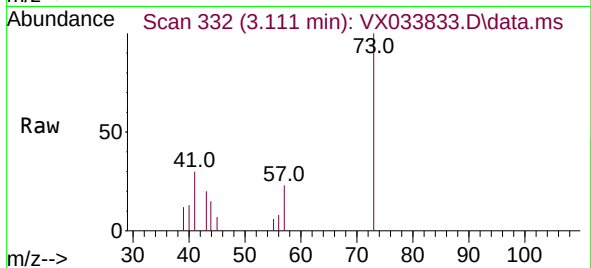




#19
Methyl tert-butyl Ether
Concen: 0.470 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

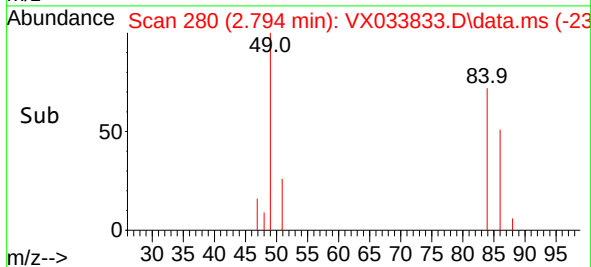
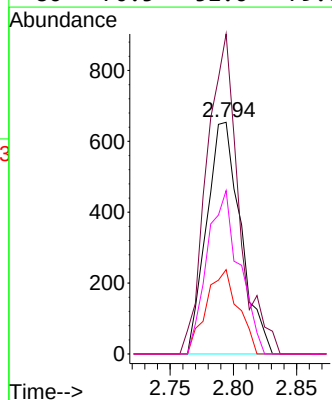
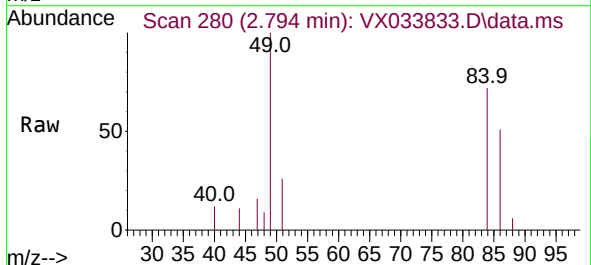
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-298-300

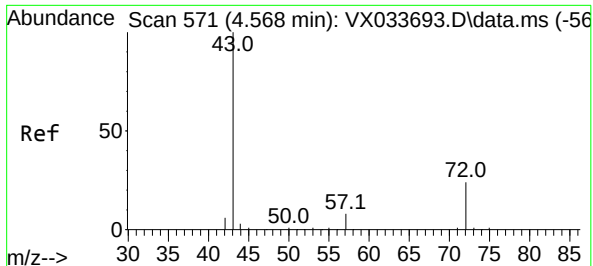
Tgt Ion: 73 Resp: 2271
Ion Ratio Lower Upper
73 100
57 23.2 17.4 26.0



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion: 84 Resp: 1226
Ion Ratio Lower Upper
84 100
49 138.1 101.1 151.7
51 36.4 31.0 46.6
86 70.5 52.6 79.0





#25

2-Butanone

Concen: 0.480 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX033833.D

Acq: 20 Jan 2023 17:03

Instrument :

MSVOA_X

ClientSampleId :

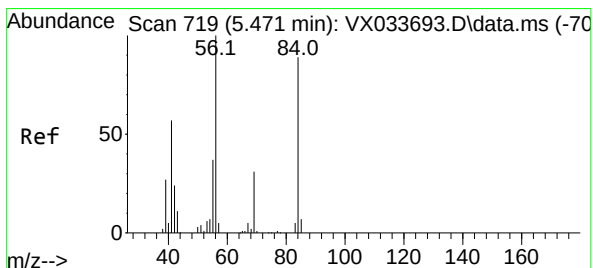
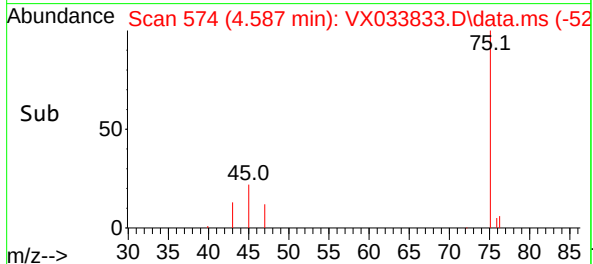
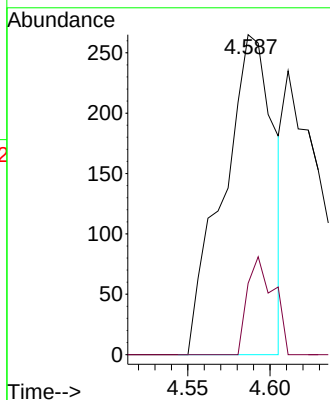
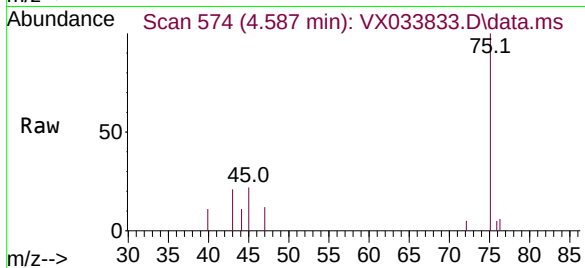
BP-VPB-RW10-GW-298-300

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

72 22.3 19.4 29.2



#31

Cyclohexane

Concen: 0.967 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX033833.D

Acq: 20 Jan 2023 17:03

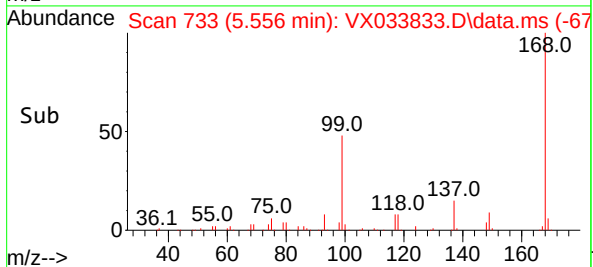
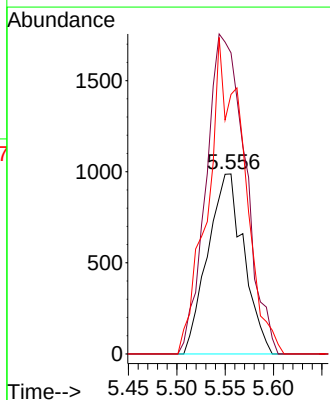
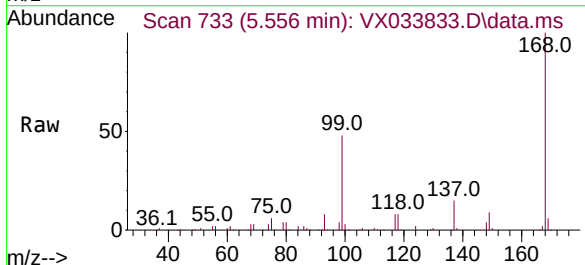
Tgt Ion: 56 Resp: 2564

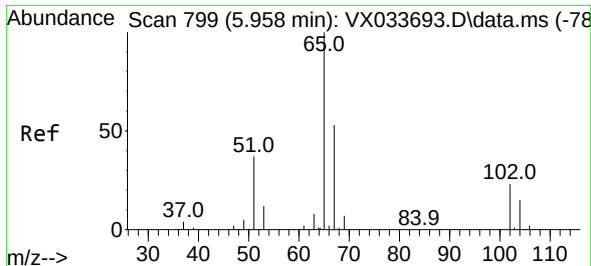
Ion Ratio Lower Upper

56 100

69 167.2 24.6 37.0#

84 144.1 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 47.012 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033833.D

Acq: 20 Jan 2023 17:03

Instrument :

MSVOA_X

ClientSampleId :

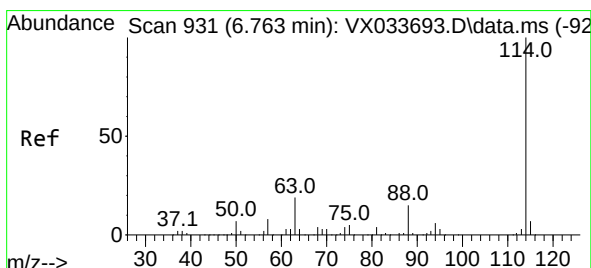
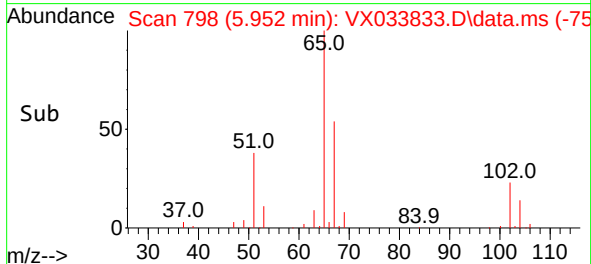
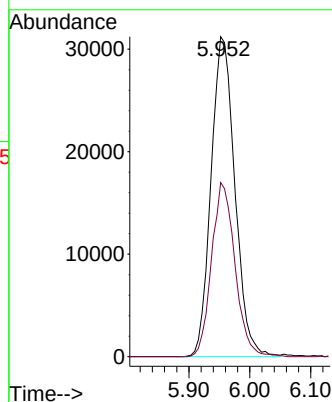
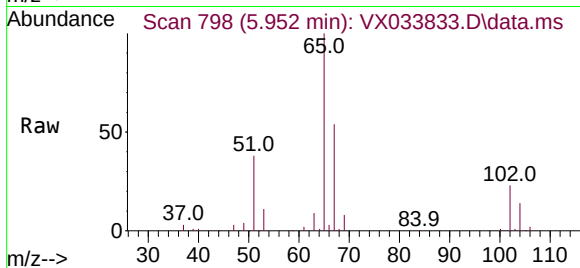
BP-VPB-RW10-GW-298-300

Tgt Ion: 65 Resp: 84695

Ion Ratio Lower Upper

65 100

67 53.5 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: VX033833.D

Acq: 20 Jan 2023 17:03

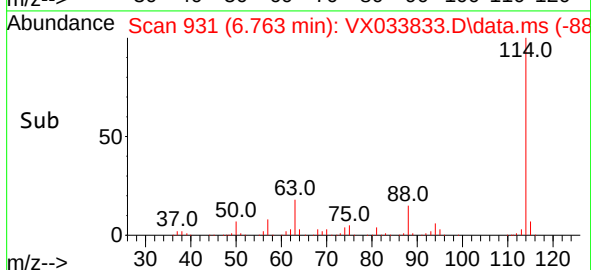
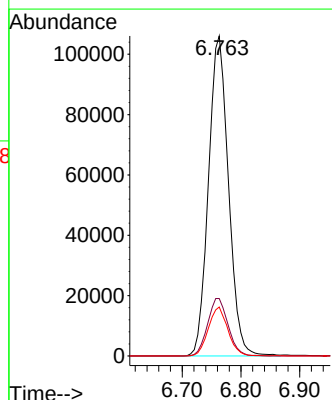
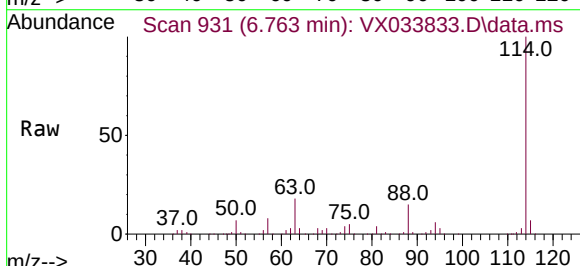
Tgt Ion: 114 Resp: 250607

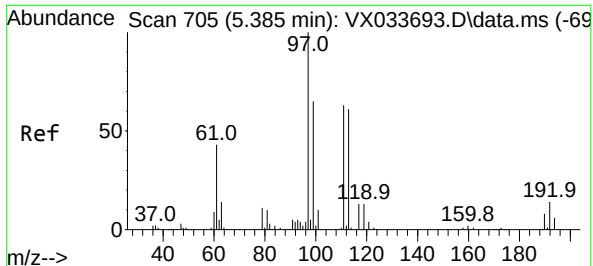
Ion Ratio Lower Upper

114 100

63 17.9 0.0 37.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.523 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX033833.D

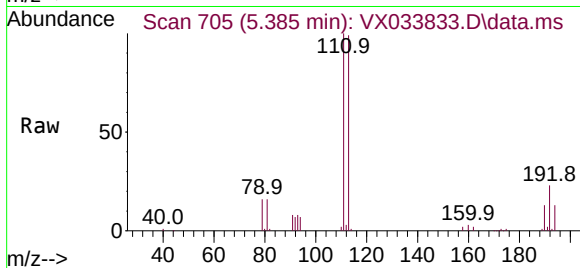
Acq: 20 Jan 2023 17:03

Instrument :

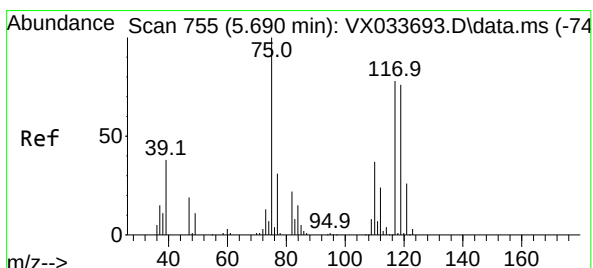
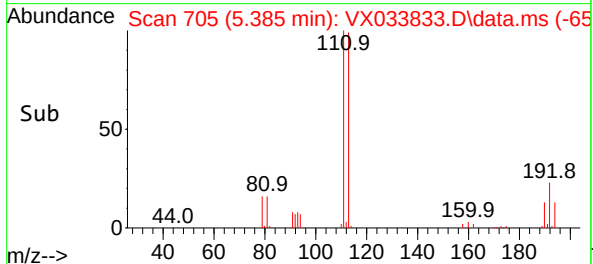
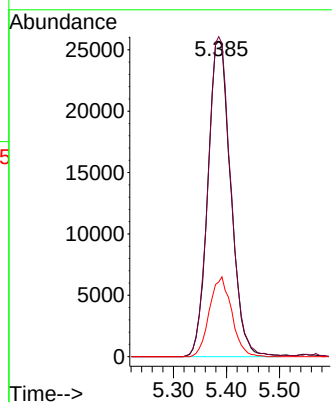
MSVOA_X

ClientSampleId :

BP-VPB-RW10-GW-298-300



Tgt Ion:	113	Resp:	77064
Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.0	124.6
192	24.6	19.0	28.4



#36

1,1-Dichloropropene

Concen: 4.541 ug/l

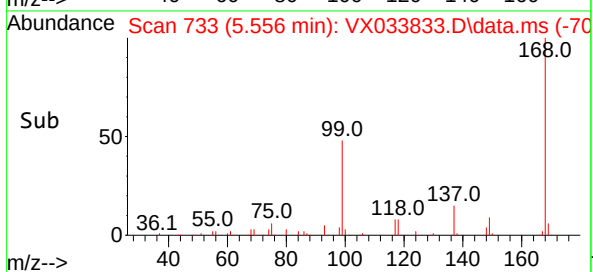
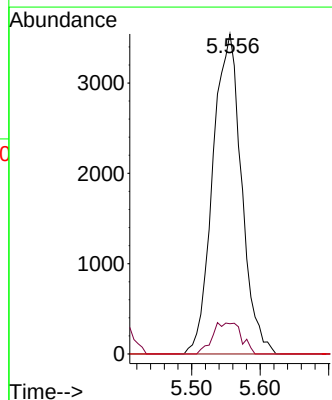
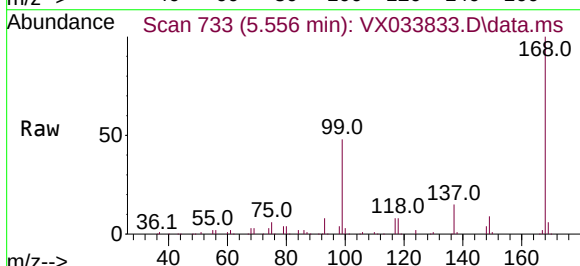
RT: 5.556 min Scan# 733

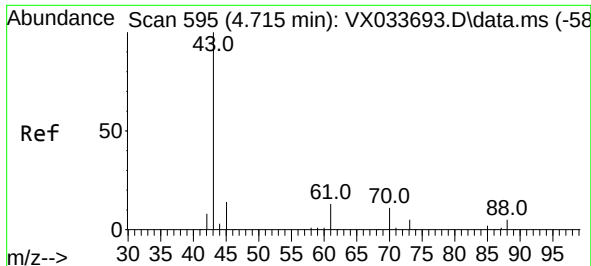
Delta R.T. -0.134 min

Lab File: VX033833.D

Acq: 20 Jan 2023 17:03

Tgt Ion:	75	Resp:	10312
Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.8	56.4#
77	0.0	25.1	37.7#

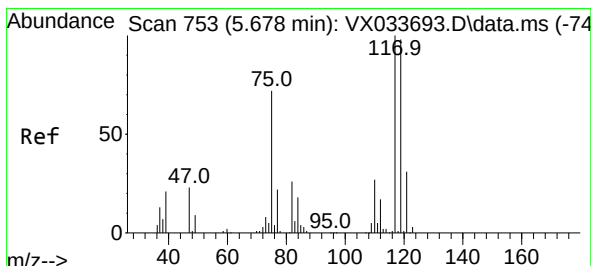
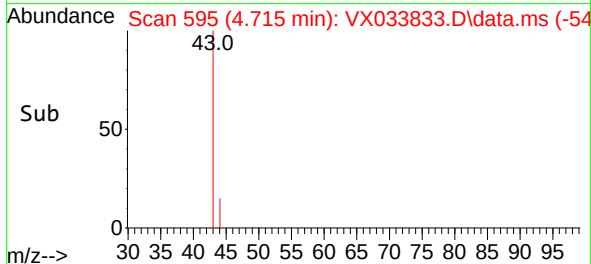
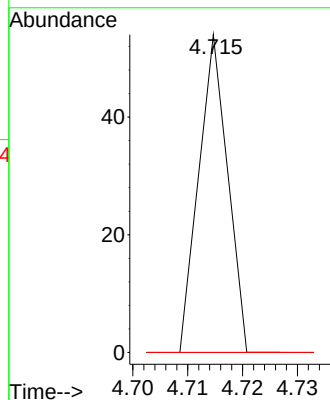
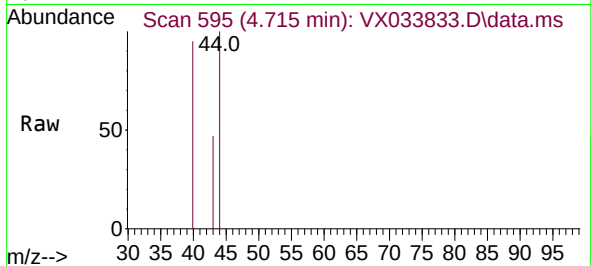




#37
Ethyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

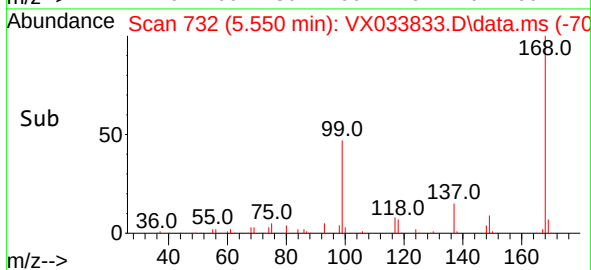
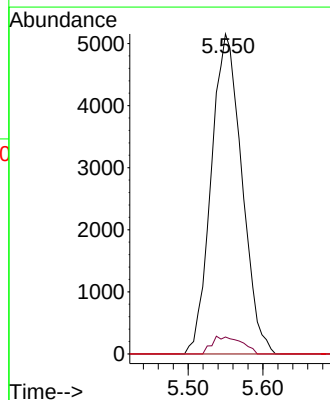
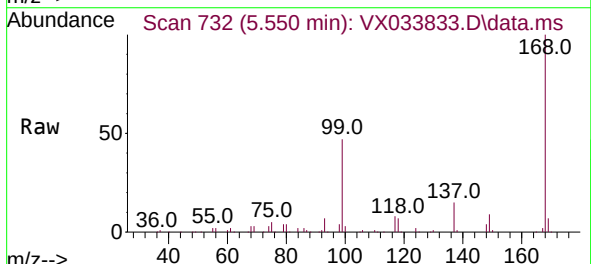
Instrument : MSVOA_X
ClientSampleId : BP-VPB-RW10-GW-298-300

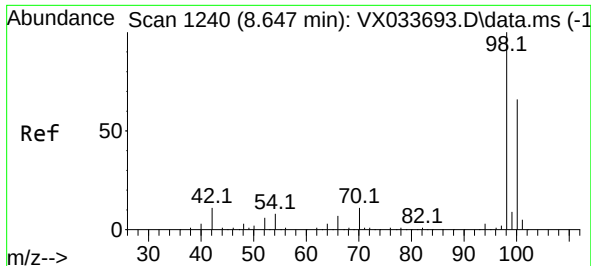
Tgt Ion: 43	Resp: 20
Ion Ratio	Lower Upper
43 100	
61 0.0	11.1 16.7#
70 0.0	8.5 12.7#



#38
Carbon Tetrachloride
Concen: 6.251 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion:117	Resp:	14704	
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.0	117.0#
121	0.0	24.4	36.6#

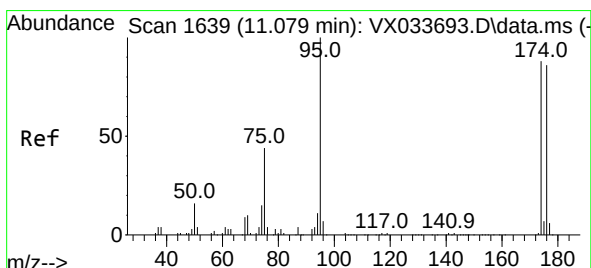
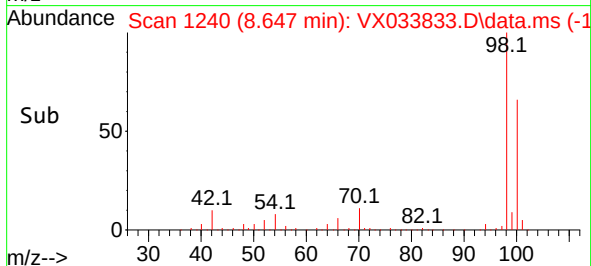
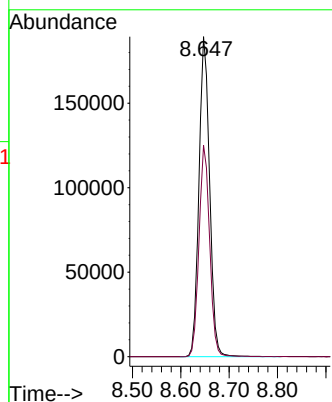
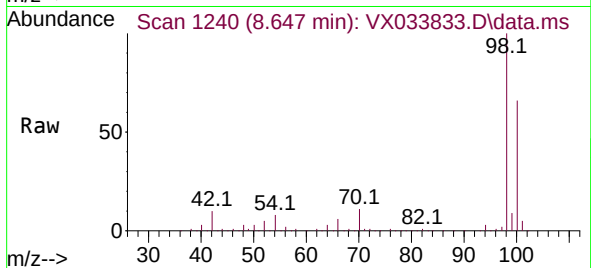




#50
Toluene-d8
Concen: 50.880 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

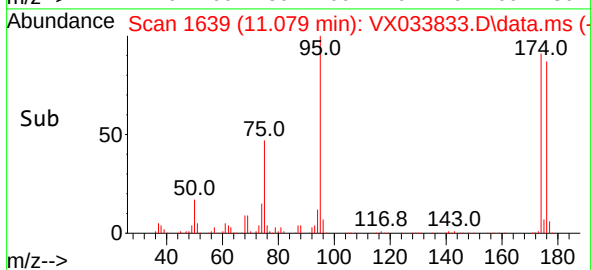
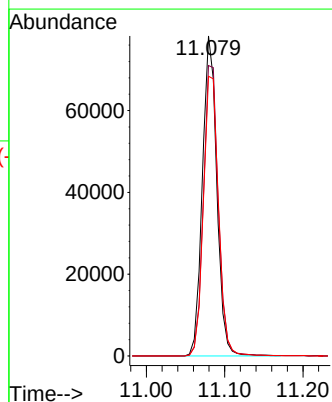
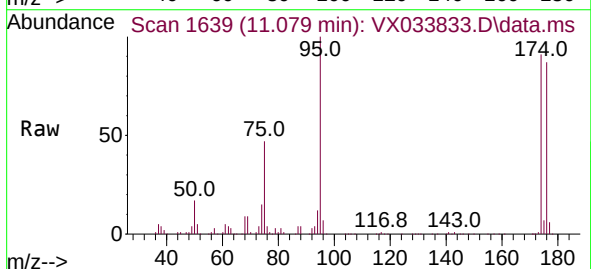
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-298-300

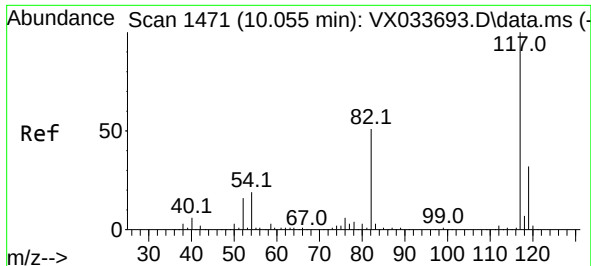
Tgt Ion: 98 Resp: 288480
Ion Ratio Lower Upper
98 100
100 66.3 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 47.577 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion: 95 Resp: 100154
Ion Ratio Lower Upper
95 100
174 93.8 0.0 184.4
176 91.6 0.0 178.8

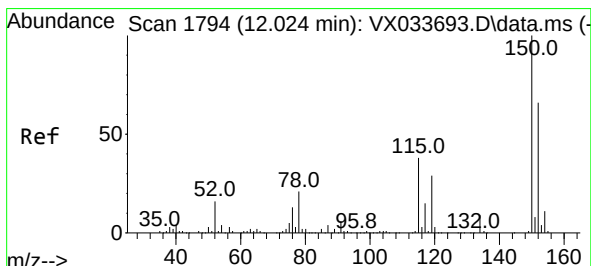
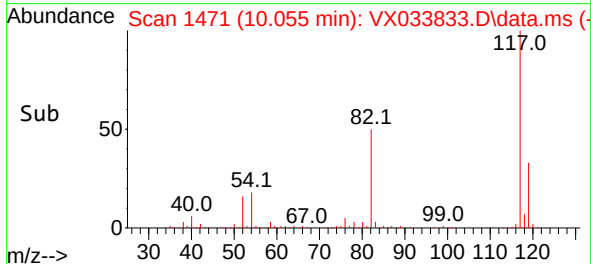
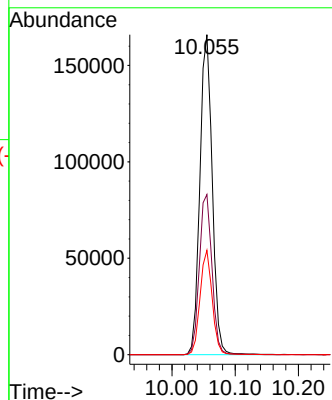
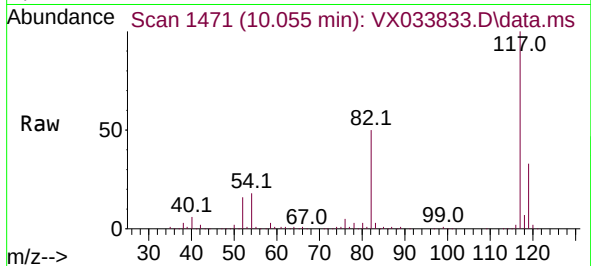




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

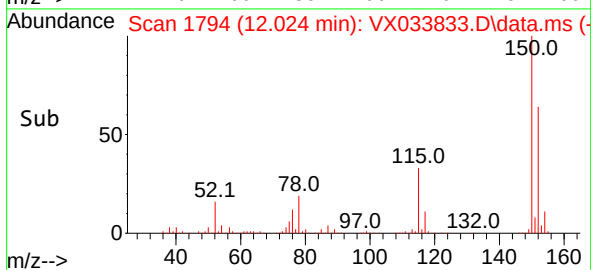
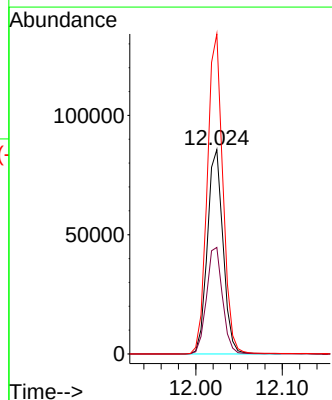
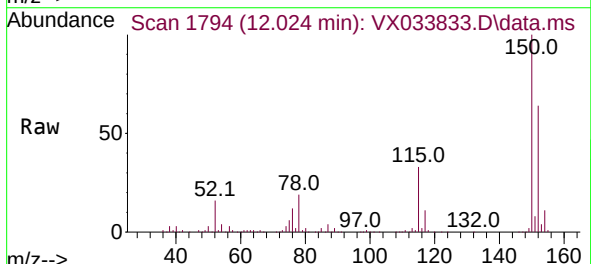
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-298-300

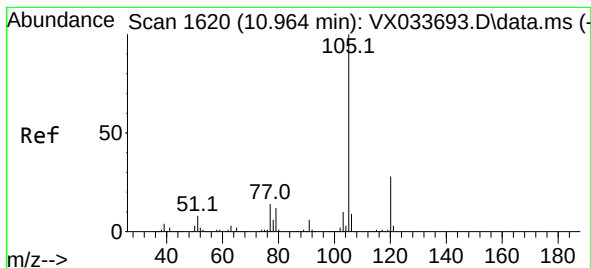
Tgt Ion:117 Resp: 226042
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033833.D
Acq: 20 Jan 2023 17:03

Tgt Ion:152 Resp: 107775
Ion Ratio Lower Upper
152 100
115 53.3 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: VX033833.D

Acq: 20 Jan 2023 17:03

Instrument :

MSVOA_X

ClientSampleId :

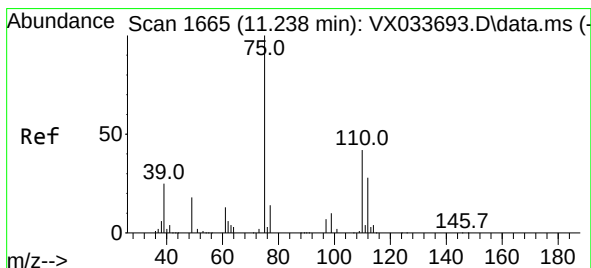
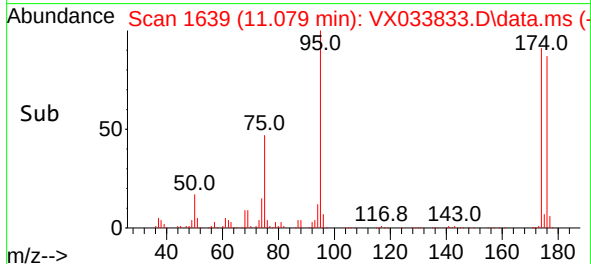
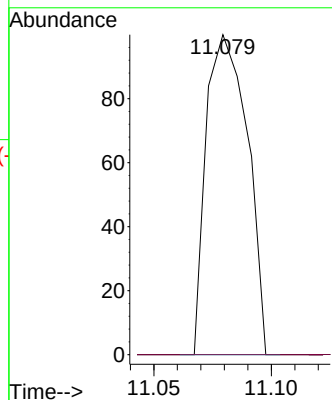
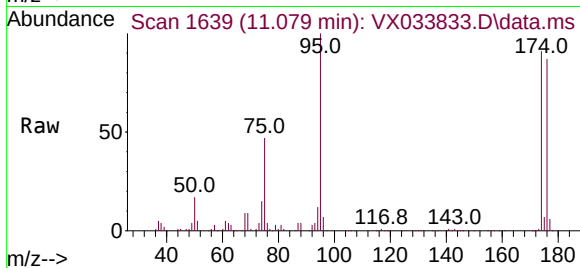
BP-VPB-RW10-GW-298-300

Tgt Ion:105 Resp: 122

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#76

1,2,3-Trichloropropane

Concen: 23.583 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033833.D

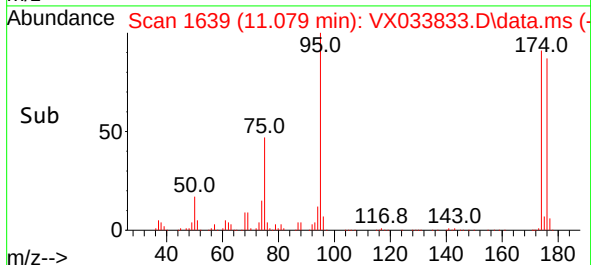
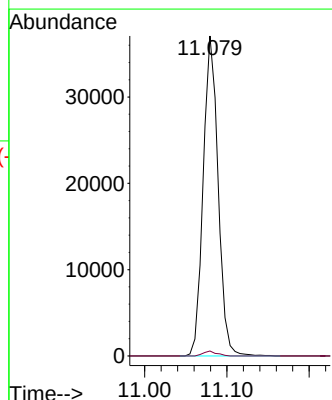
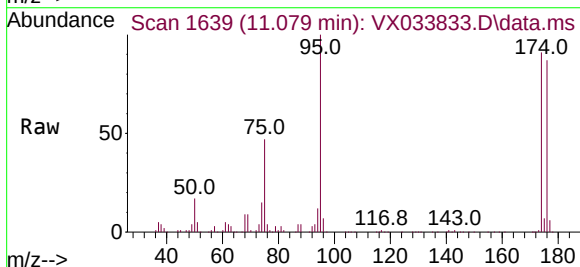
Acq: 20 Jan 2023 17:03

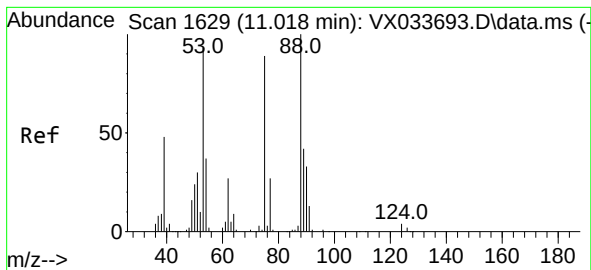
Tgt Ion: 75 Resp: 46699

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.293 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033833.D
 Acq: 20 Jan 2023 17:03

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-298-300

Tgt Ion: 75 Resp: 46699
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

