

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012023\
 Data File : VX033821.D
 Acq On : 20 Jan 2023 12:25
 Operator : JC/MD
 Sample : 01242-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-98-100

Quant Time: Jan 21 04:42:56 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)

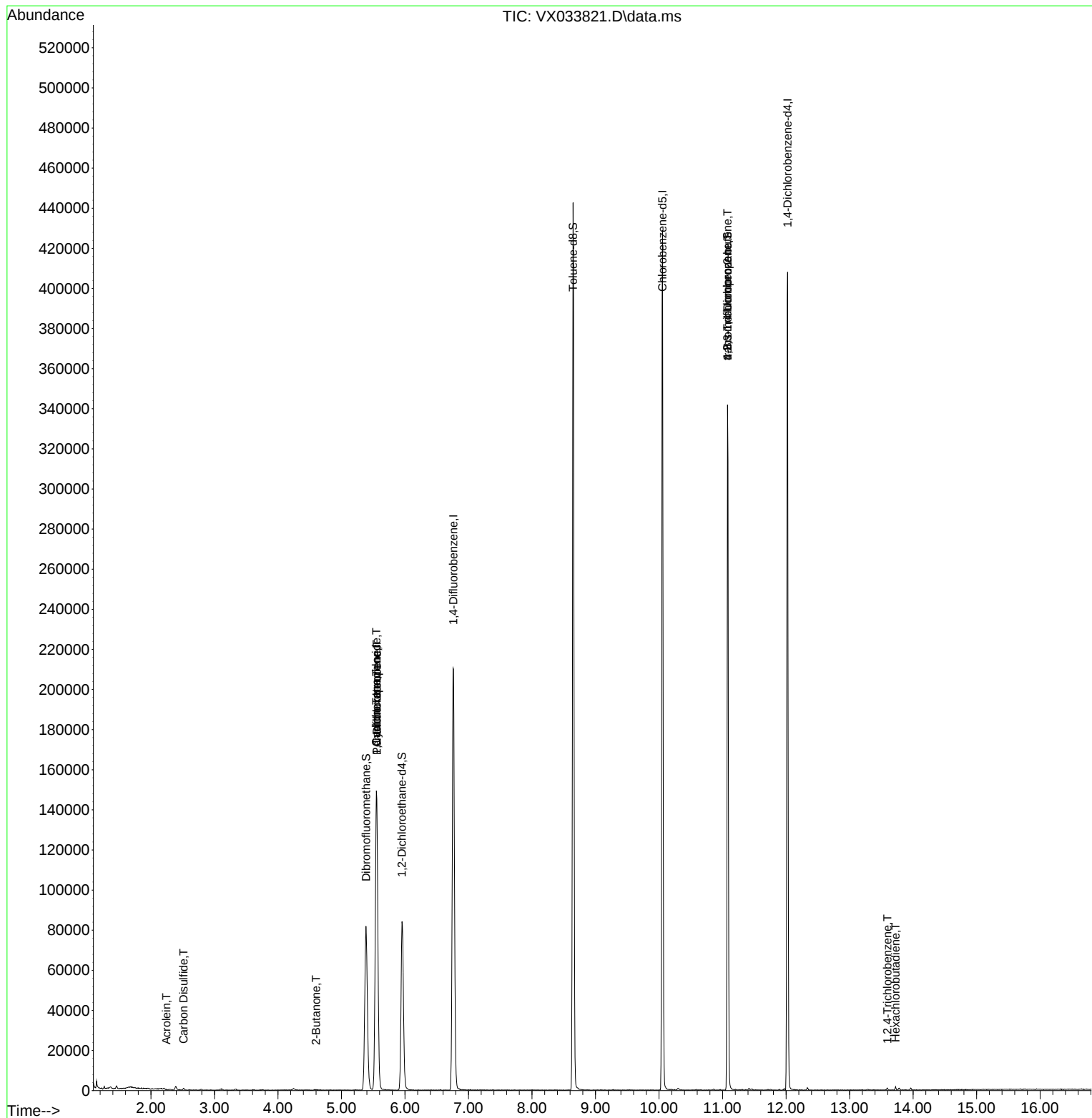
Internal Standards						
1) Pentafluorobenzene	5.556	168	161905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234432	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96241	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80059	46.963	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.920%		
35) Dibromofluoromethane	5.385	113	71264	48.955	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.920%		
50) Toluene-d8	8.646	98	266736	50.291	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.580%		
62) 4-Bromofluorobenzene	11.079	95	90432	45.923	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.840%		
Target Compounds					Qvalue	
13) Acrolein	2.239	56	62	0.227	ug/l	90
16) Acetone	2.391	43	2310	Below Cal		96
17) Carbon Disulfide	2.513	76	1009	2.114	ug/l #	94
20) Methylene Chloride	2.794	84	224	Below Cal	#	39
25) 2-Butanone	4.598	43	301	0.270	ug/l #	51
31) Cyclohexane	5.549	56	2367	0.944	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9457	4.451	ug/l #	49
37) Ethyl Acetate	4.641	43	22	Below Cal	#	68
38) Carbon Tetrachloride	5.549	117	13894	6.314	ug/l #	15
64) Tetrachloroethene	9.274	164	51	Below Cal	#	32
73) Isopropylbenzene	10.957	105	264	Below Cal		81
75) 1,1,2,2-Tetrachloroethane	11.079	83	60	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	42481	24.024	ug/l #	34
77) Bromobenzene	11.201	156	44	Below Cal	#	1
79) 2-Chlorotoluene	11.463	91	353	Below Cal		74
81) trans-1,4-Dichloro-2-b...	11.079	75	42481	74.663	ug/l #	8
82) 4-Chlorotoluene	11.463	91	353	Below Cal		80
93) 1,2,4-Trichlorobenzene	13.597	180	446	0.211	ug/l	91
94) Hexachlorobutadiene	13.725	225	424	0.409	ug/l	90

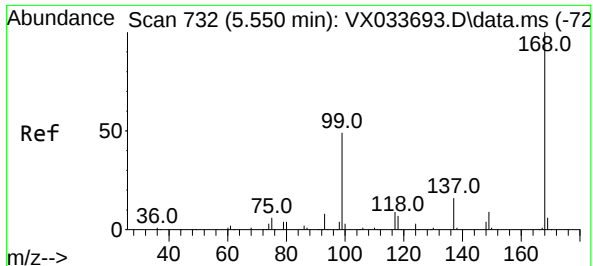
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW10-GW-98-100

Quant Time: Jan 21 04:42:56 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

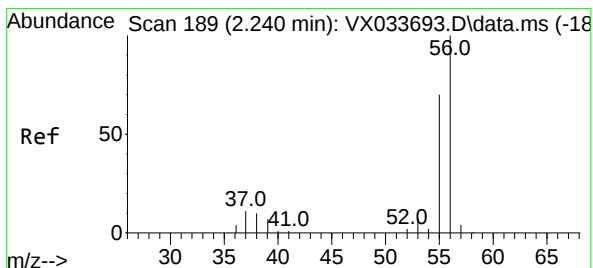
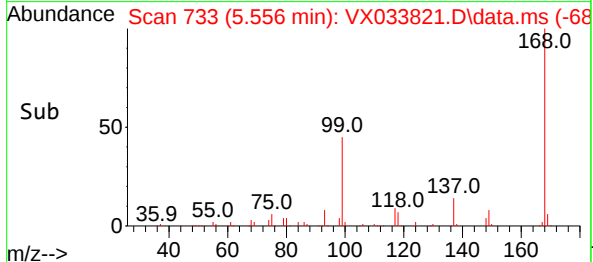
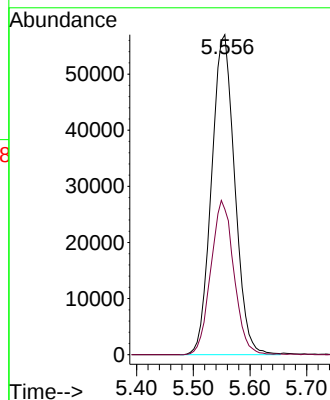
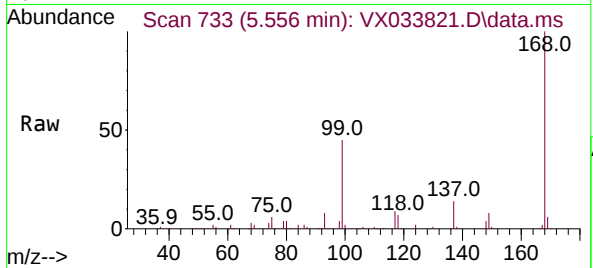




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

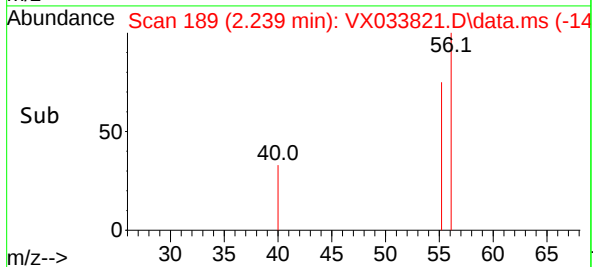
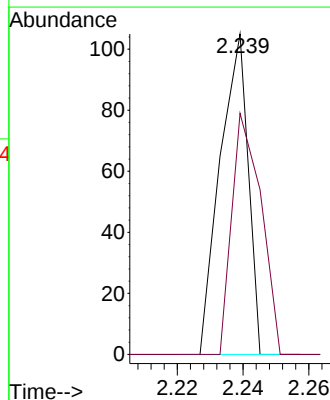
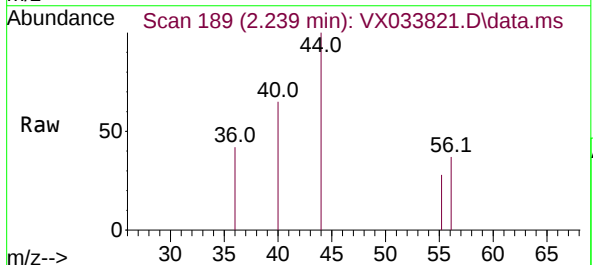
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

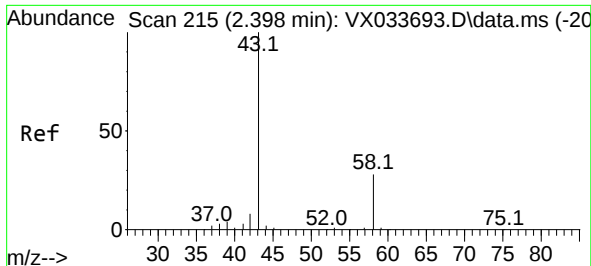
Tgt Ion:168 Resp: 161905
Ion Ratio Lower Upper
168 100
99 45.4 39.6 59.4



#13
Acrolein
Concen: 0.227 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 79.0 56.3 84.5

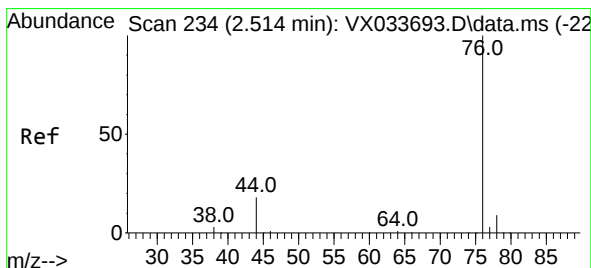
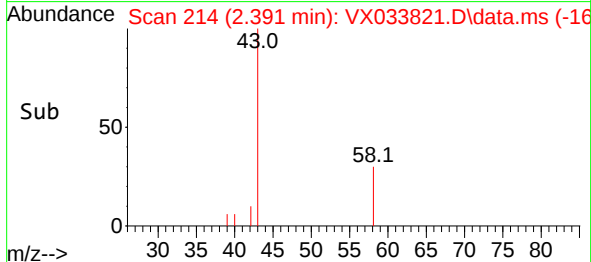
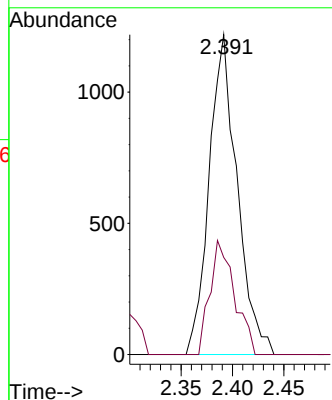
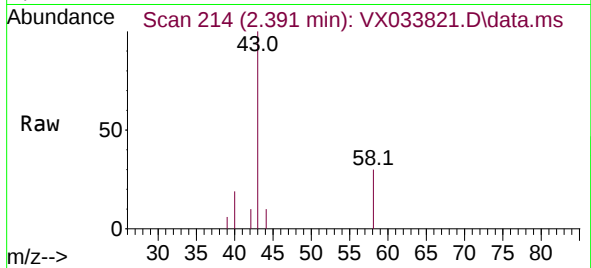




#16
Acetone
Concen: Below Cal
RT: 2.391 min Scan# 215
Delta R.T. -0.007 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

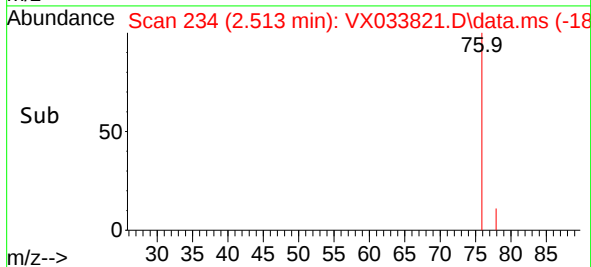
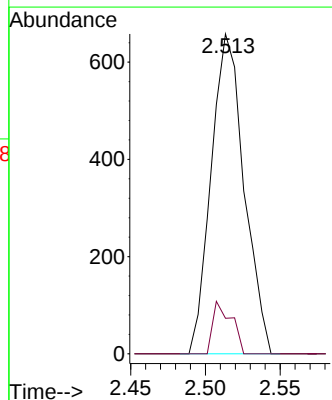
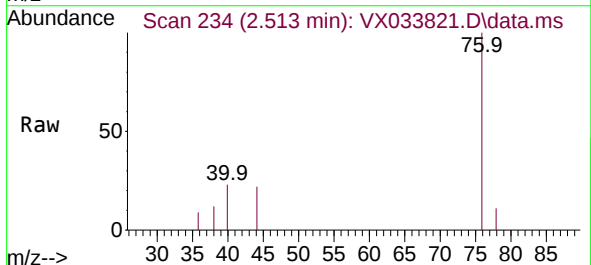
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

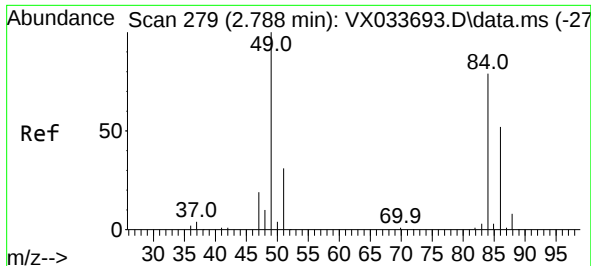
Tgt Ion: 43 Resp: 2310
Ion Ratio Lower Upper
43 100
58 30.4 22.6 33.8



#17
Carbon Disulfide
Concen: 2.114 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion: 76 Resp: 1009
Ion Ratio Lower Upper
76 100
78 11.1 7.0 10.6#

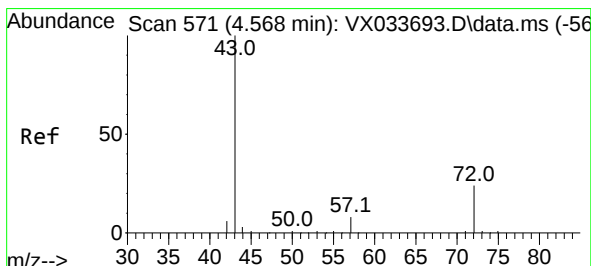
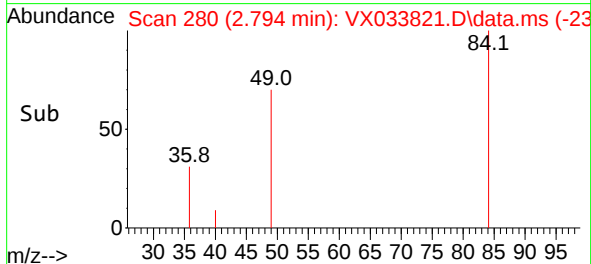
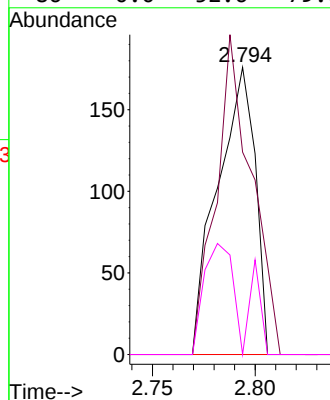
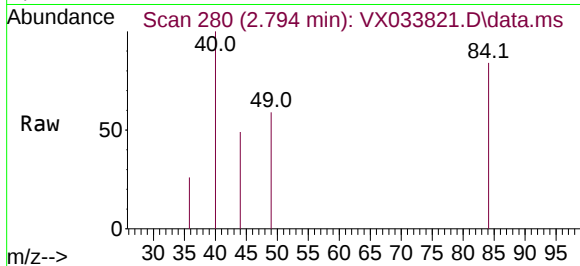




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

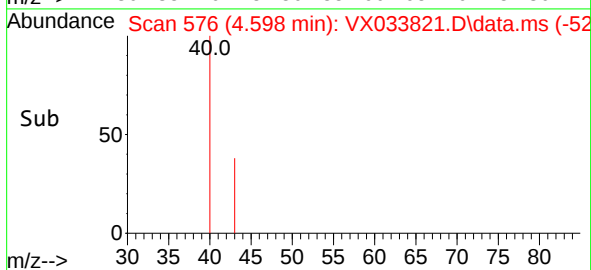
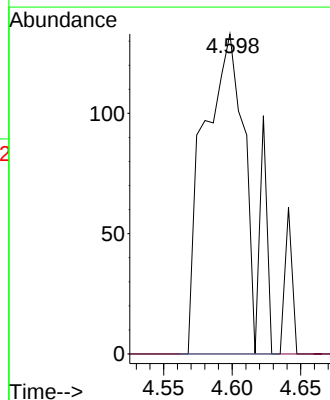
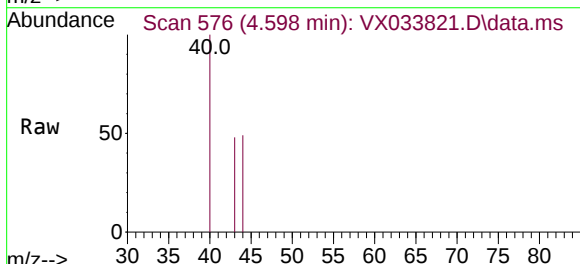
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

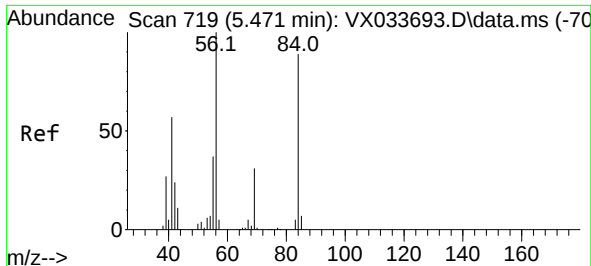
Tgt Ion:	84	Resp:	224
Ion	Ratio	Lower	Upper
84	100		
49	70.5	101.1	151.7#
51	0.0	31.0	46.6#
86	0.0	52.6	79.0#



#25
2-Butanone
Concen: 0.270 ug/l
RT: 4.598 min Scan# 576
Delta R.T. 0.030 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion:	43	Resp:	301
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

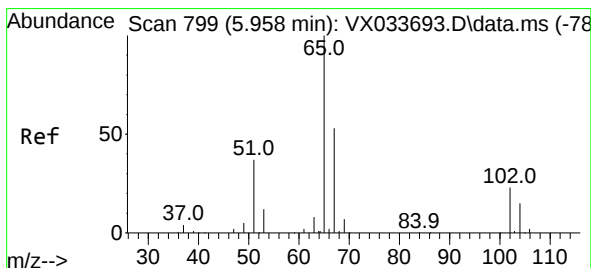
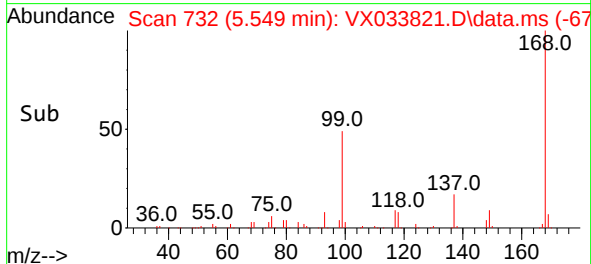
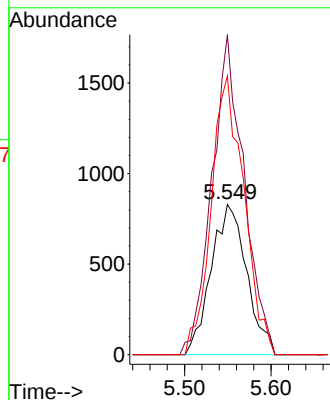
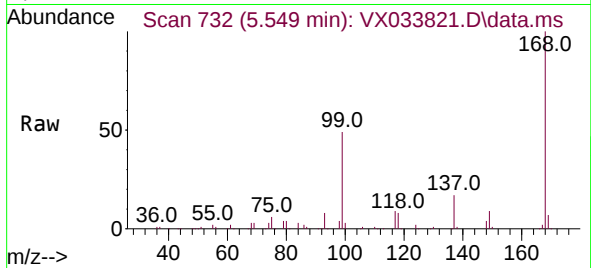




#31
Cyclohexane
Concen: 0.944 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

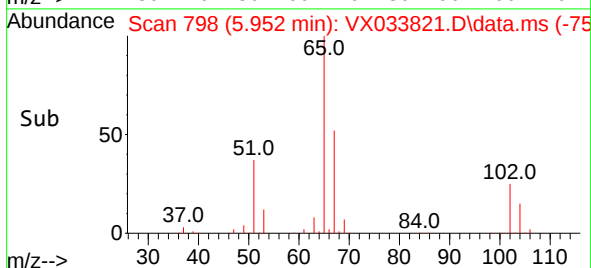
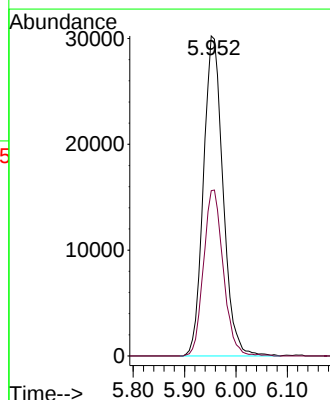
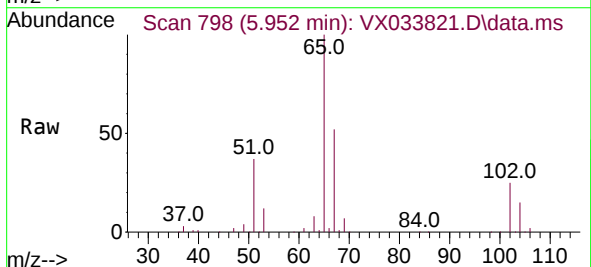
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

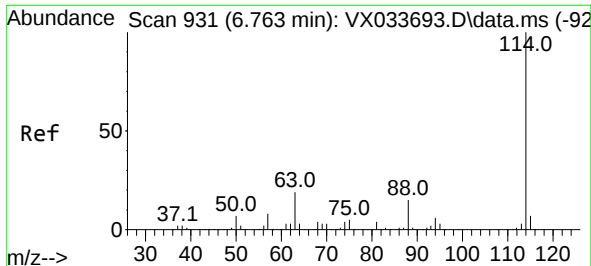
Tgt Ion: 56 Resp: 2367
Ion Ratio Lower Upper
56 100
69 212.9 24.6 37.0#
84 185.4 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.963 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.007 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion: 65 Resp: 80059
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.8

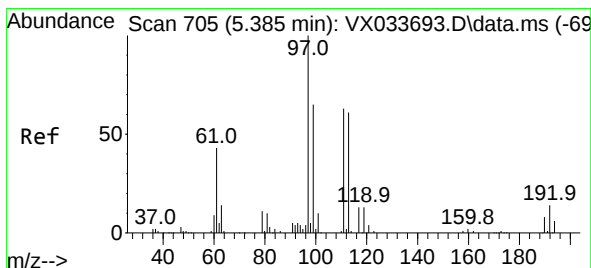
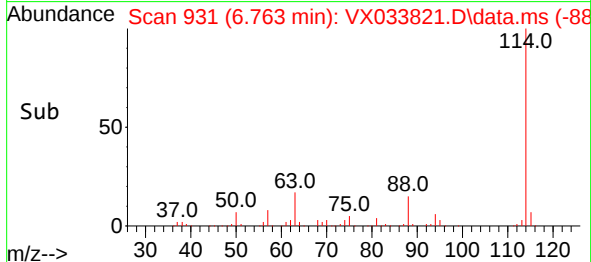
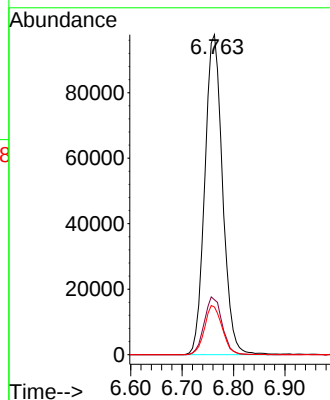
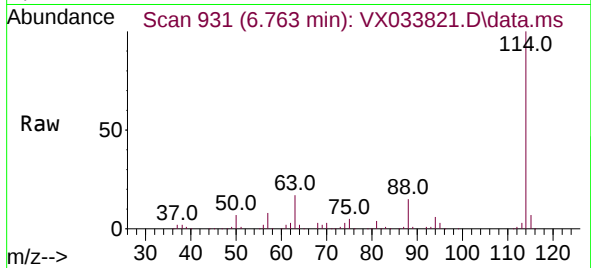




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

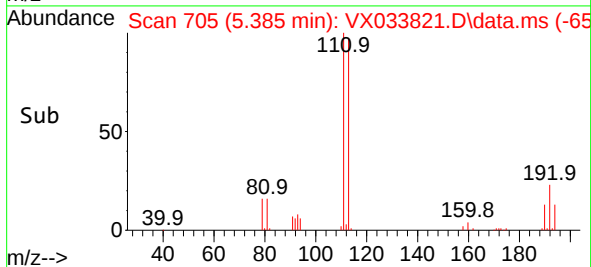
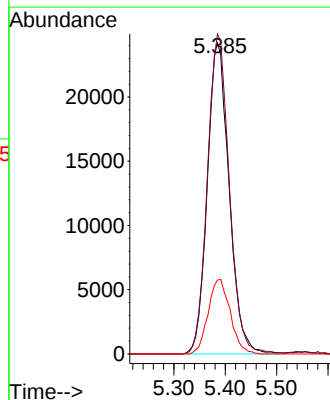
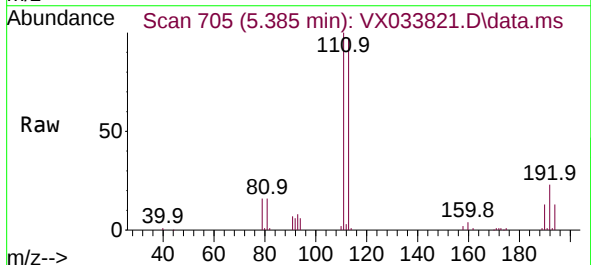
Instrument :
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ClientSampleId :
BP-VPB-RW10-GW-98-100

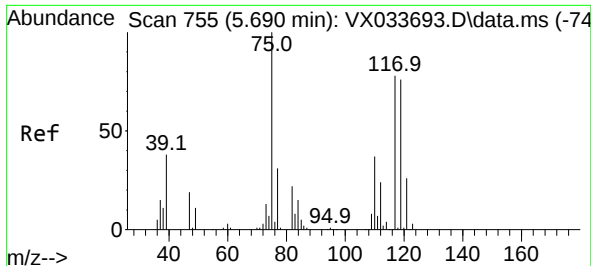
Tgt Ion:114 Resp: 234432
Ion Ratio Lower Upper
114 100
63 17.2 0.0 37.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.955 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion:113 Resp: 71264
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.6
192 24.3 19.0 28.4

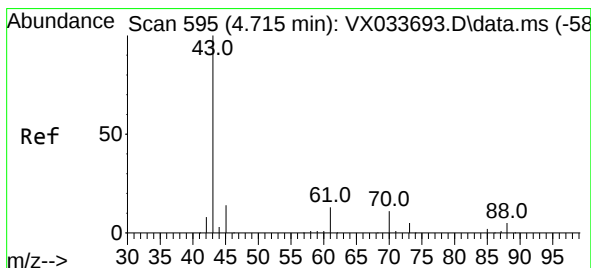
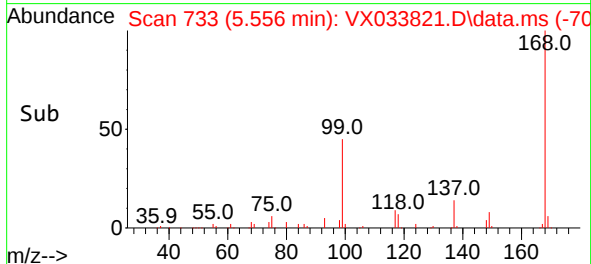
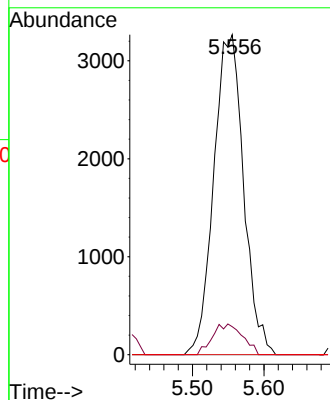
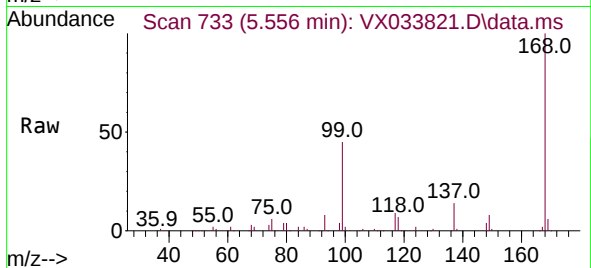




#36
1,1-Dichloropropene
Concen: 4.451 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.135 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

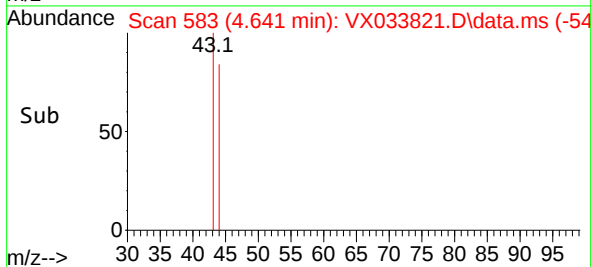
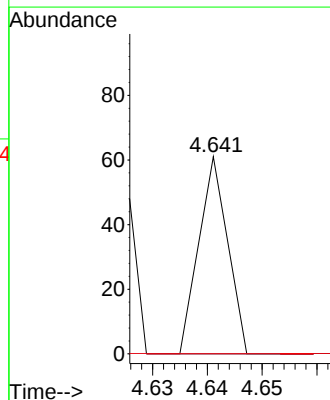
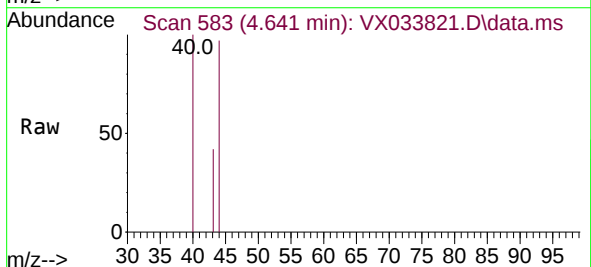
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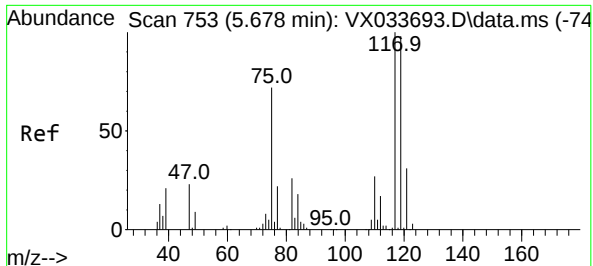
Tgt Ion: 75 Resp: 9457
Ion Ratio Lower Upper
75 100
110 9.7 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.641 min Scan# 583
Delta R.T. -0.074 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

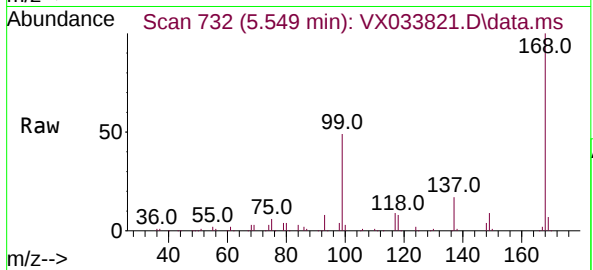
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.5 12.7#



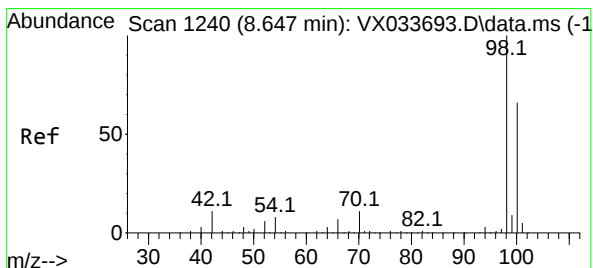
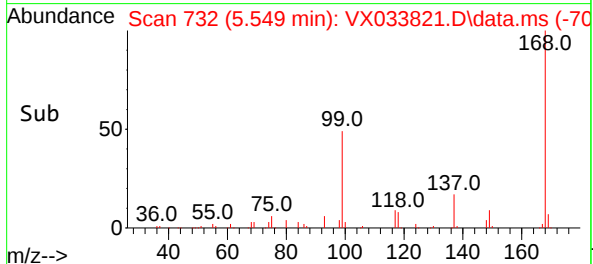
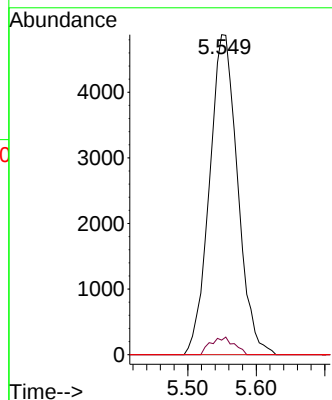


#38
Carbon Tetrachloride
Concen: 6.314 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

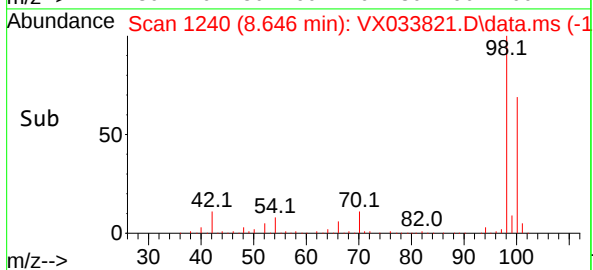
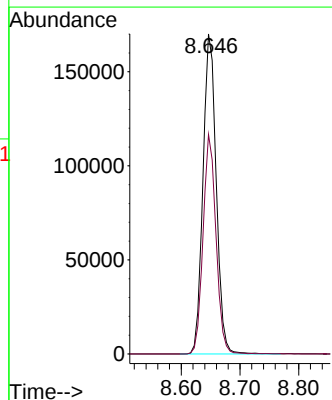
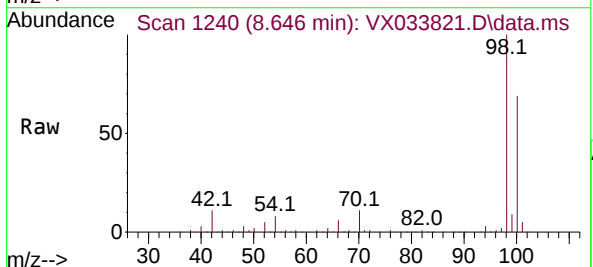


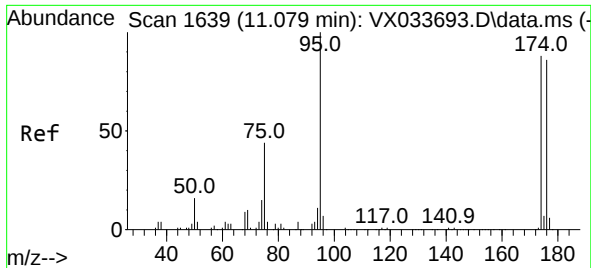
Tgt Ion:117 Resp: 13894
Ion Ratio Lower Upper
117 100
119 4.6 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.291 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion: 98 Resp: 266736
Ion Ratio Lower Upper
98 100
100 67.0 53.6 80.4

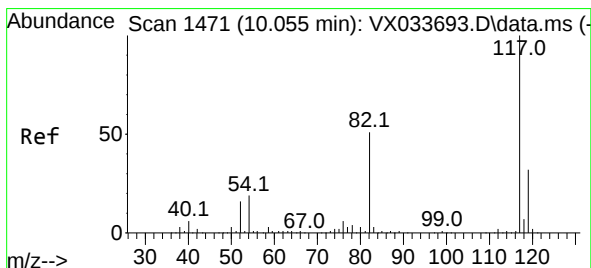
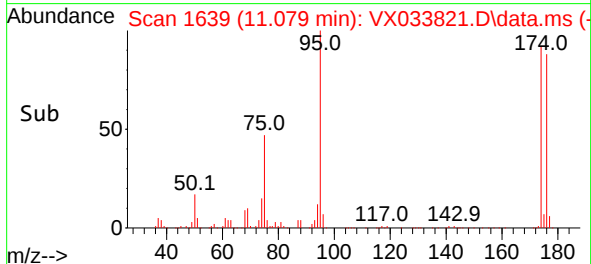
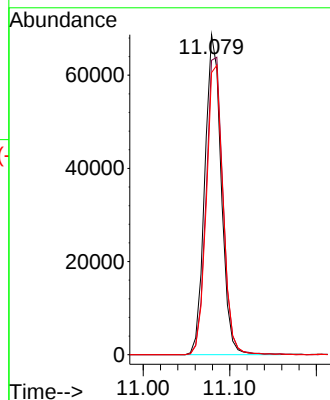
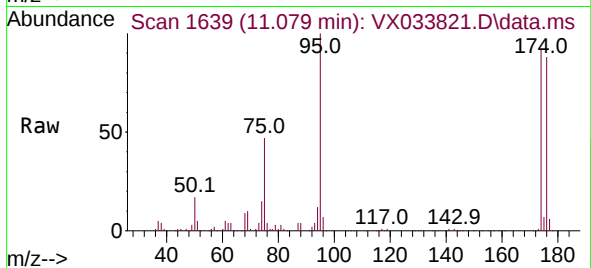




#62
4-Bromofluorobenzene
Concen: 45.923 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

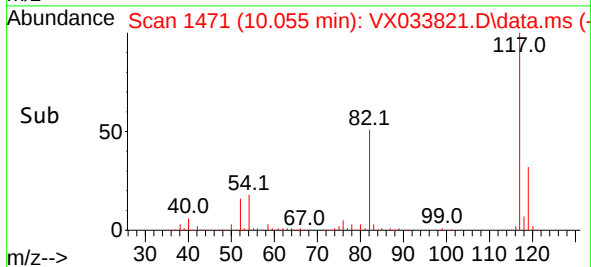
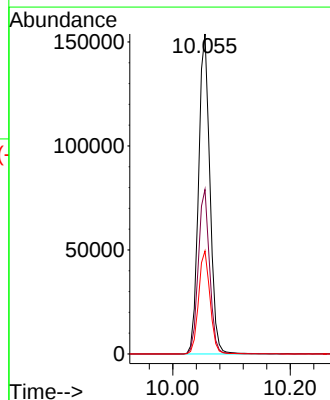
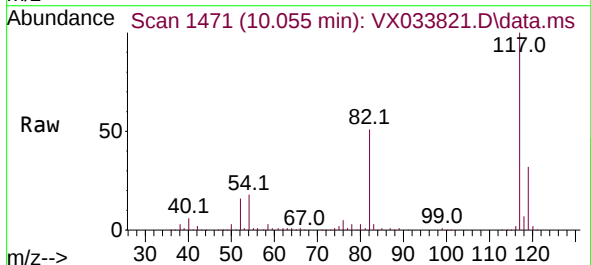
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

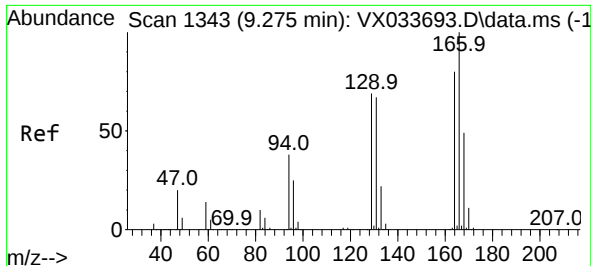
Tgt Ion: 95 Resp: 90432
Ion Ratio Lower Upper
95 100
174 95.6 0.0 184.4
176 92.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

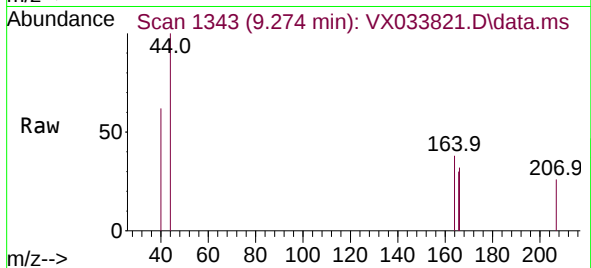
Tgt Ion: 117 Resp: 206740
Ion Ratio Lower Upper
117 100
82 51.4 40.6 60.8
119 32.2 25.6 38.4



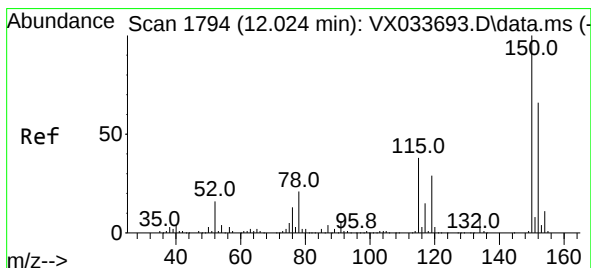
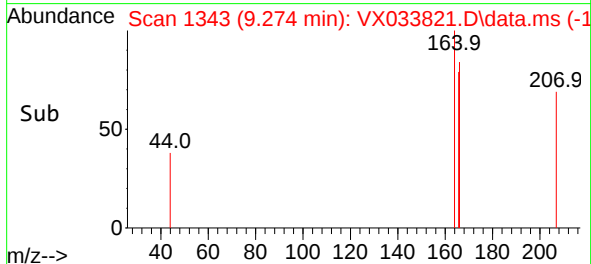
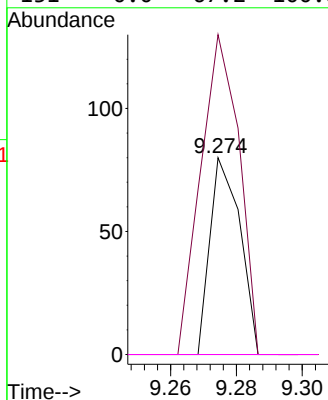


#64
Tetrachloroethene
Concen: Below Cal
RT: 9.274 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

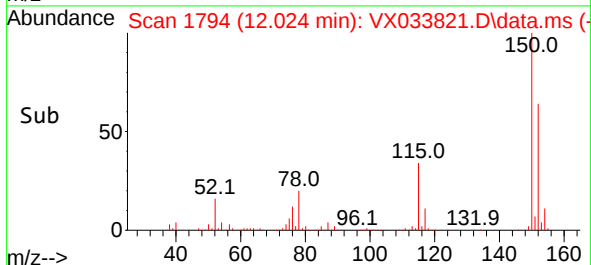
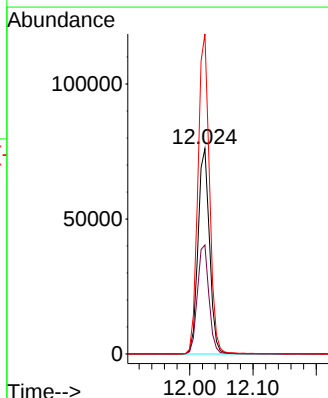
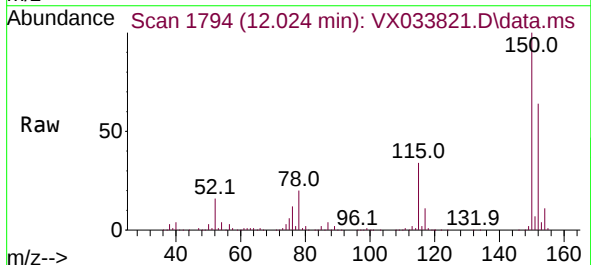


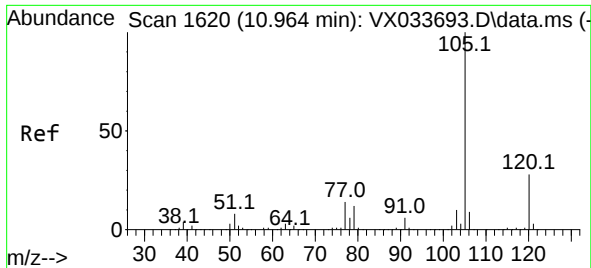
Tgt Ion:164 Resp: 51
Ion Ratio Lower Upper
164 100
166 162.5 100.2 150.2#
129 0.0 69.2 103.8#
131 0.0 67.2 100.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion:152 Resp: 96241
Ion Ratio Lower Upper
152 100
115 53.5 38.7 116.1
150 156.6 0.0 348.2

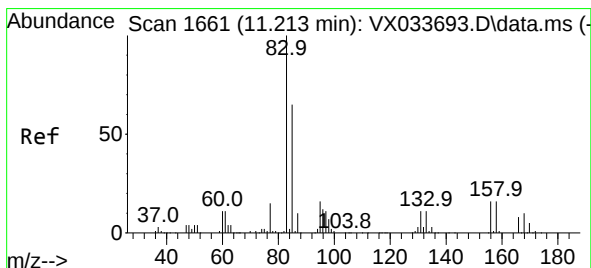
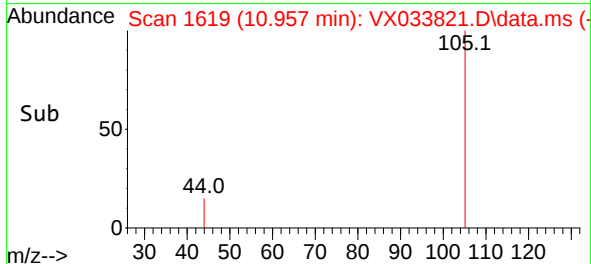
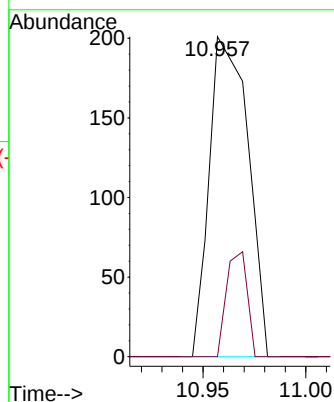
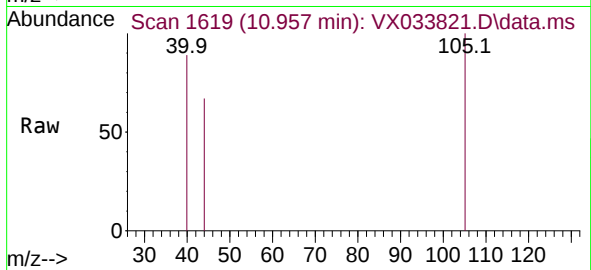




#73
Isopropylbenzene
Concen: Below Cal
RT: 10.957 min Scan# 1619
Delta R.T. -0.007 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

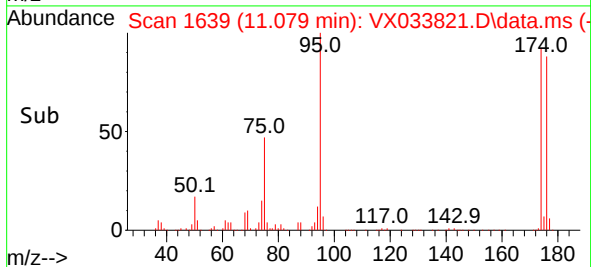
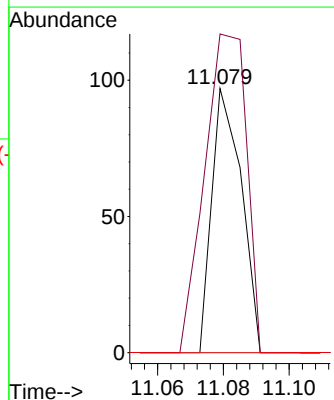
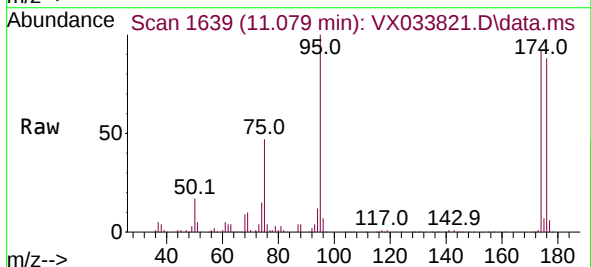
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

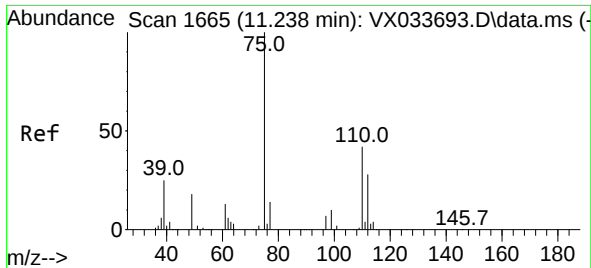
Tgt Ion:105 Resp: 264
Ion Ratio Lower Upper
105 100
120 17.4 13.6 40.8



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. -0.134 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion: 83 Resp: 60
Ion Ratio Lower Upper
83 100
131 171.7 5.5 16.7#
85 0.0 32.3 96.9#

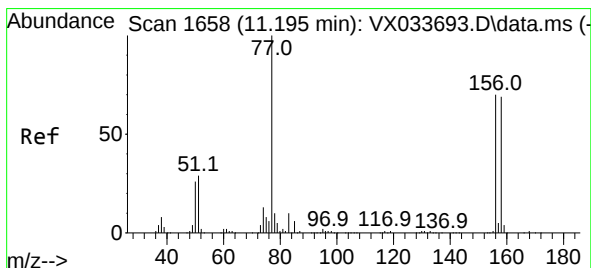
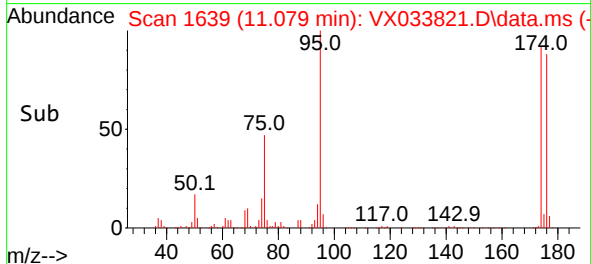
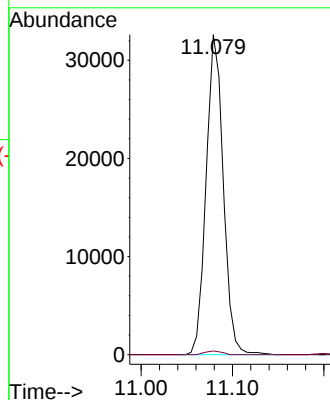
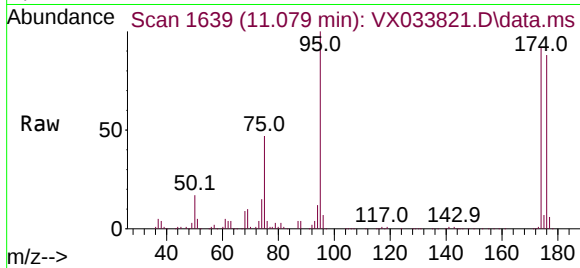




#76
1,2,3-Trichloropropane
Concen: 24.024 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

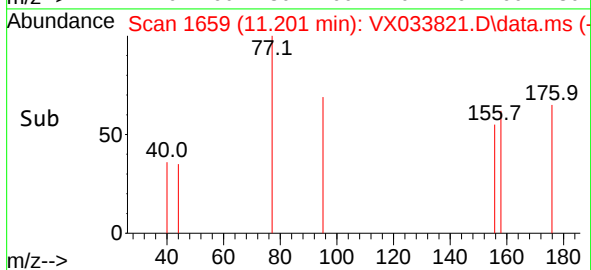
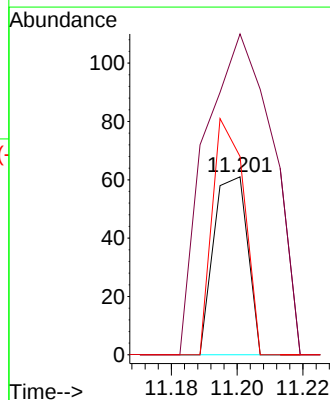
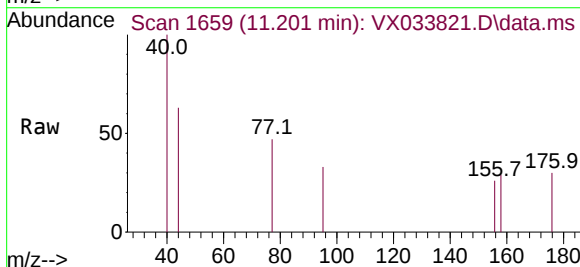
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB-RW10-GW-98-100

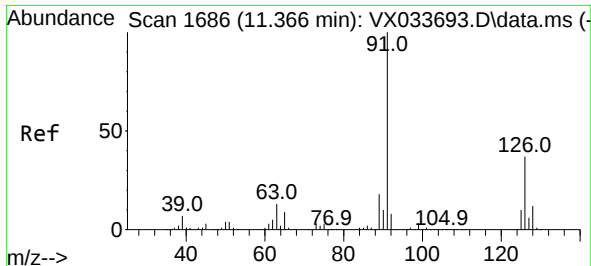
Tgt Ion: 75 Resp: 42481
Ion Ratio Lower Upper
75 100
77 1.1 21.8 65.4#



#77
Bromobenzene
Concen: Below Cal
RT: 11.201 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VX033821.D
Acq: 20 Jan 2023 12:25

Tgt Ion:156 Resp: 44
Ion Ratio Lower Upper
156 100
77 354.5 68.1 204.3#
158 125.0 48.0 144.2





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.463 min Scan# 1

Delta R.T. 0.097 min

Lab File: VX033821.D

Acq: 20 Jan 2023 12:25

Instrument :

MSVOA_X

ClientSampleId :

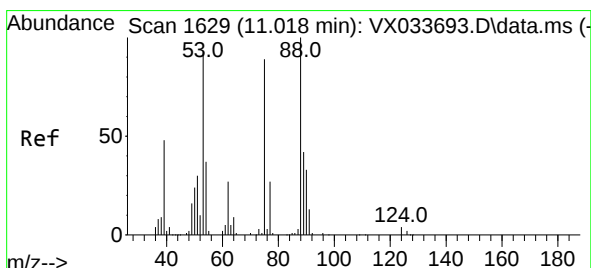
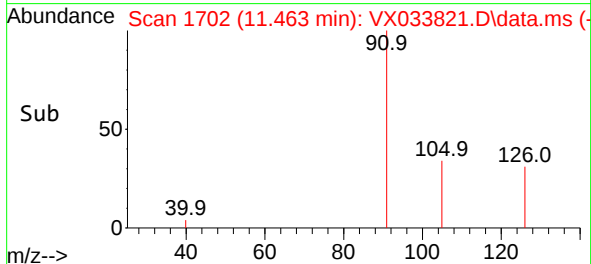
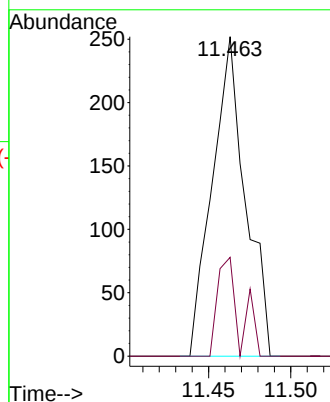
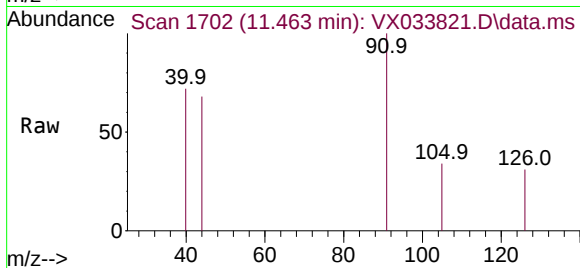
BP-VPB-RW10-GW-98-100

Tgt Ion: 91 Resp: 353

Ion Ratio Lower Upper

91 100

126 20.7 18.1 54.1



#81

trans-1,4-Dichloro-2-butene

Concen: 74.663 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX033821.D

Acq: 20 Jan 2023 12:25

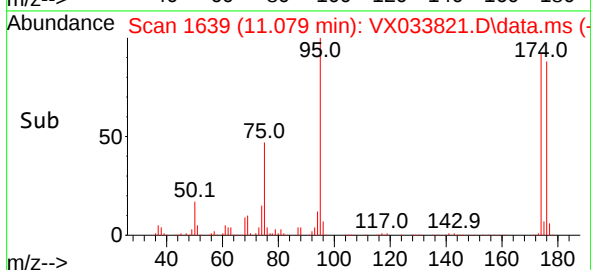
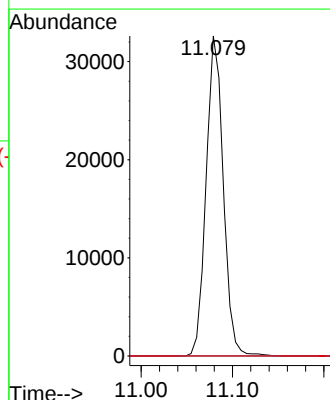
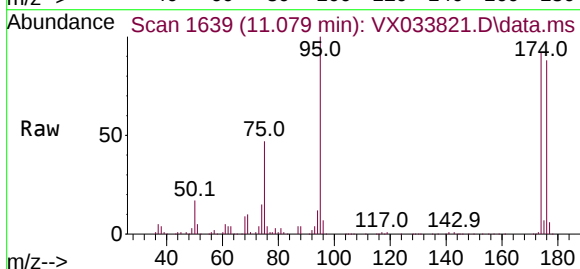
Tgt Ion: 75 Resp: 42481

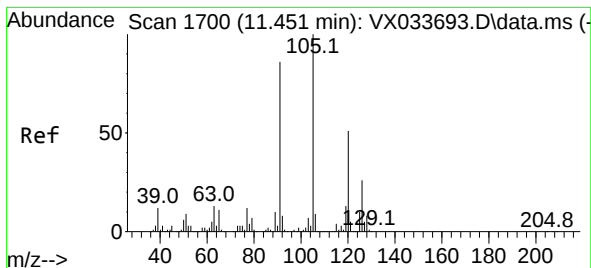
Ion Ratio Lower Upper

75 100

53 0.0 83.0 124.6#

89 0.0 37.7 56.5#





#82

4-Chlorotoluene

Concen: Below Cal

RT: 11.463 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX033821.D

Acq: 20 Jan 2023 12:25

Instrument :

MSVOA_X

ClientSampleId :

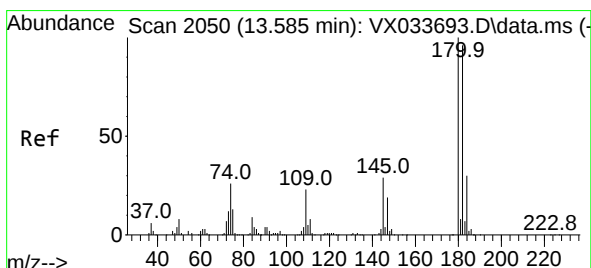
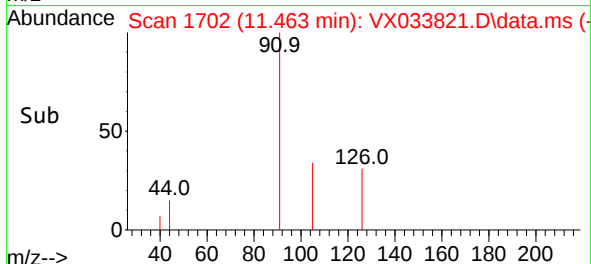
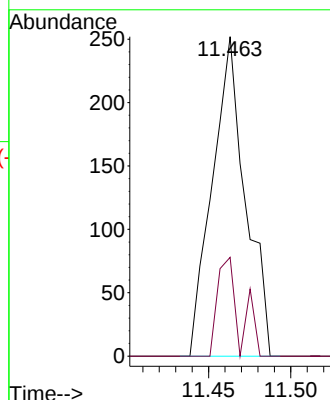
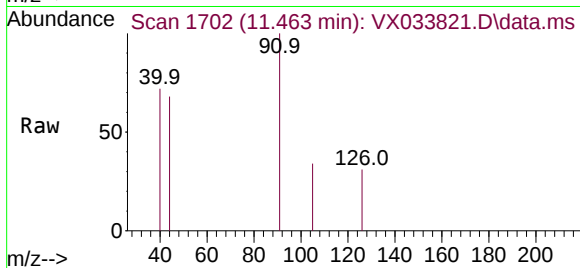
BP-VPB-RW10-GW-98-100

Tgt Ion: 91 Resp: 353

Ion Ratio Lower Upper

91 100

126 20.7 15.8 47.4



#93

1,2,4-Trichlorobenzene

Concen: 0.211 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX033821.D

Acq: 20 Jan 2023 12:25

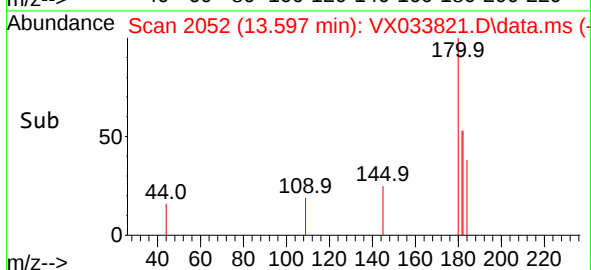
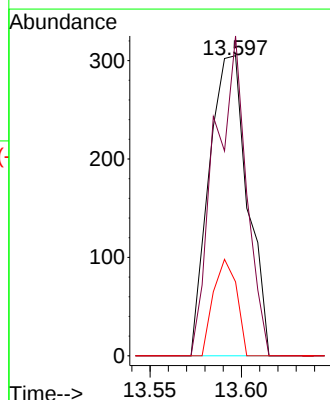
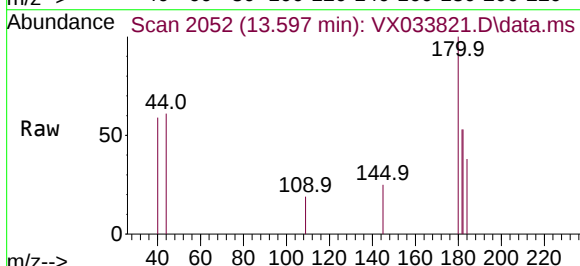
Tgt Ion: 180 Resp: 446

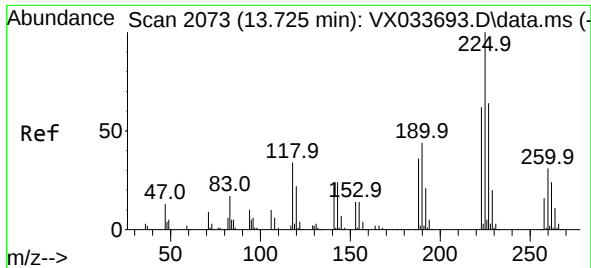
Ion Ratio Lower Upper

180 100

182 88.6 47.9 143.6

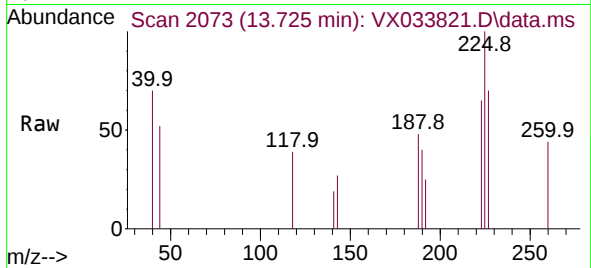
145 19.5 14.1 42.2





#94
 Hexachlorobutadiene
 Concen: 0.409 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VX033821.D
 Acq: 20 Jan 2023 12:25

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB-RW10-GW-98-100



Tgt Ion:	225	Resp:	424
Ion	Ratio	Lower	Upper
225	100		
223	53.3	31.3	93.9
227	71.5	32.3	96.9

