

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033418.D
 Acq On : 14 Dec 2022 14:44
 Operator : JC/MD
 Sample : N6049-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-186-205-121322

Quant Time: Dec 14 22:49:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	121300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	192856	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	176867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	37819	48.599	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.200%		
35) Dibromofluoromethane	5.385	113	42698	49.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.440%		
50) Toluene-d8	8.647	98	89476	49.309	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.620%		
62) 4-Bromofluorobenzene	11.079	95	71364	51.434	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.258	50	394	0.402	ug/l #	43
11) Tert butyl alcohol	2.953	59	131	0.551	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	7146	6.498	ug/l	92
16) Acetone	2.386	43	905	1.572	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	280	0.233	ug/l	91
24) 1,1-Dichloroethane	3.617	63	1721	0.778	ug/l #	89
25) 2-Butanone	4.581	43	399	0.483	ug/l #	47
27) cis-1,2-Dichloroethene	4.489	96	18919	13.160	ug/l	89
29) Tetrahydrofuran	5.032	42	211	0.394	ug/l #	31
31) Cyclohexane	5.556	56	2361	1.277	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	9063	5.359	ug/l #	49
37) Ethyl Acetate	4.745	43	509	0.318	ug/l #	67
38) Carbon Tetrachloride	5.550	117	12023	6.345	ug/l #	16
40) Benzene	6.038	78	1364	0.277	ug/l #	89
42) 1,2-Dichloroethane	6.099	62	1047	0.535	ug/l #	77
44) Trichloroethene	7.129	130	8504	6.255	ug/l	98
48) Methyl methacrylate	7.696	41	4354	3.280	ug/l	93
49) 1,4-Dioxane	7.690	88	89	2.940	ug/l #	1
51) 4-Methyl-2-Pentanone	8.647	43	445	0.274	ug/l #	1
52) Toluene	8.720	92	1098386	344.522	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	12825	8.561	ug/l #	1
59) 2-Hexanone	9.586	43	1214	1.013	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	37231	22.317	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37231	69.422	ug/l #	6

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

Quant Time: Dec 14 22:49:49 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

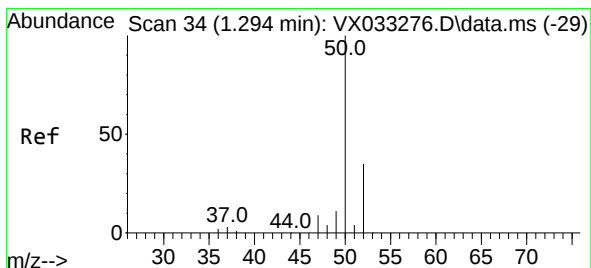
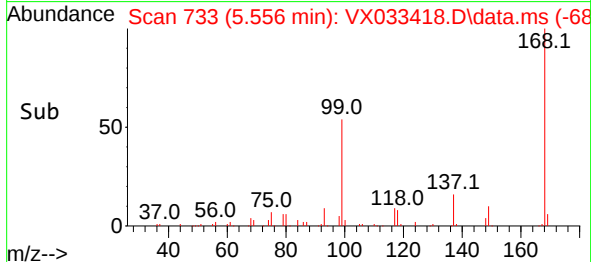
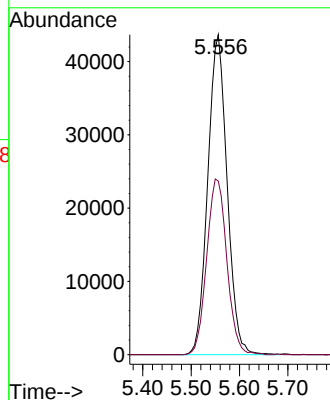
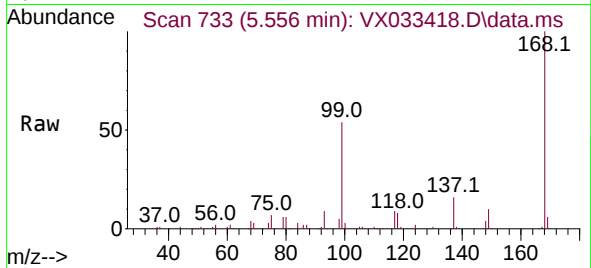




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

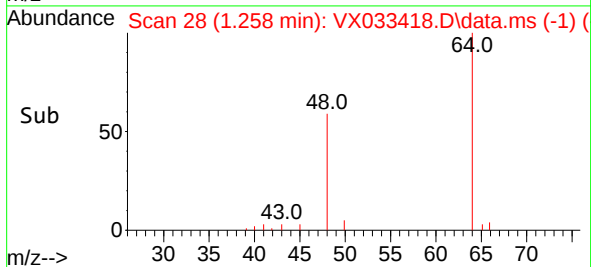
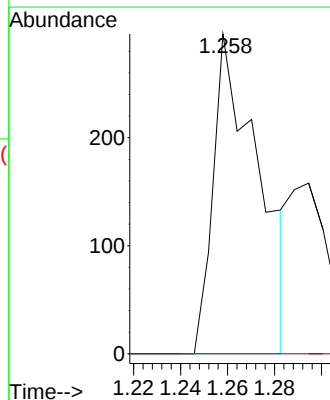
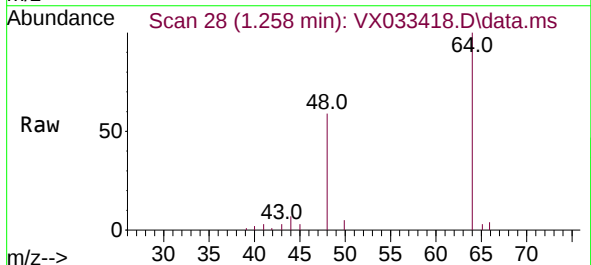
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

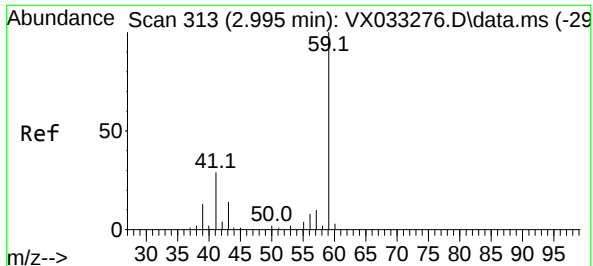
Tgt Ion:168 Resp: 121300
Ion Ratio Lower Upper
168 100
99 54.3 46.1 69.1



#3
Chloromethane
Concen: 0.402 ug/l
RT: 1.258 min Scan# 28
Delta R.T. -0.036 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.551 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.042 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

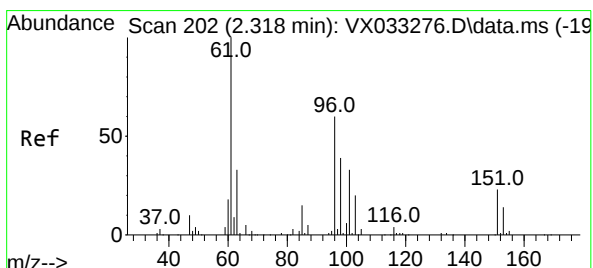
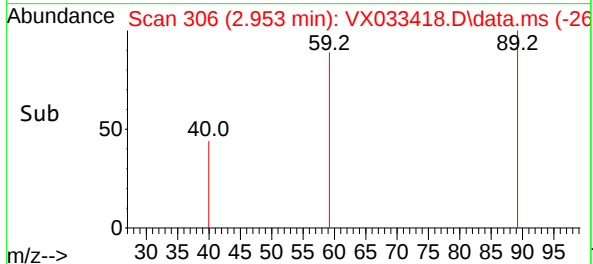
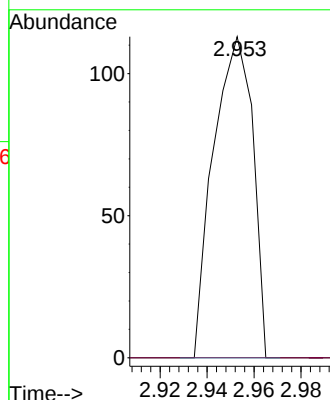
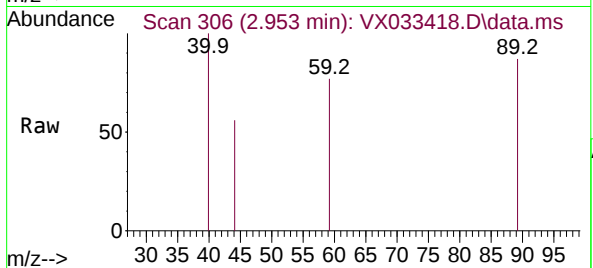
GW-BR-04-186-205-121322

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 6.498 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.007 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

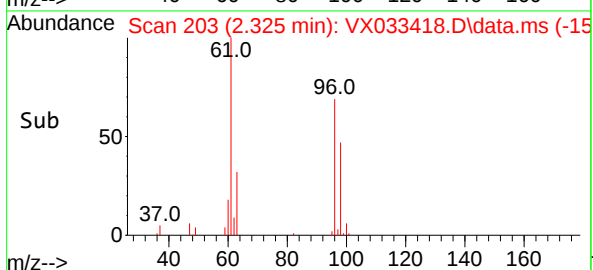
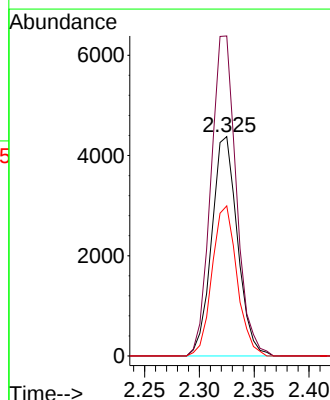
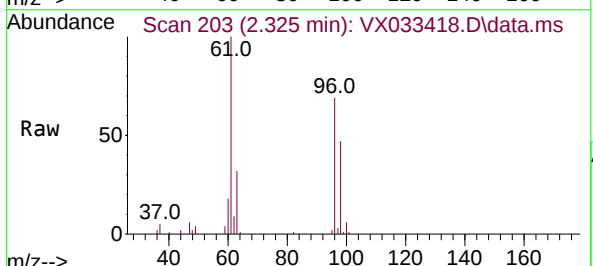
Tgt Ion: 96 Resp: 7146

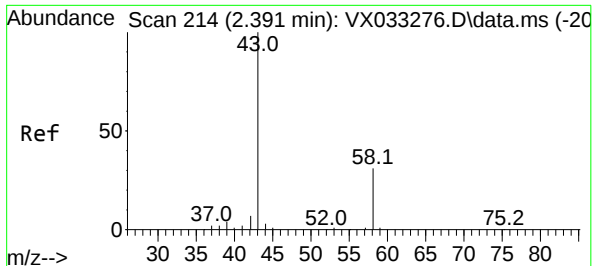
Ion Ratio Lower Upper

96 100

61 145.9 125.1 187.7

98 68.4 50.6 76.0

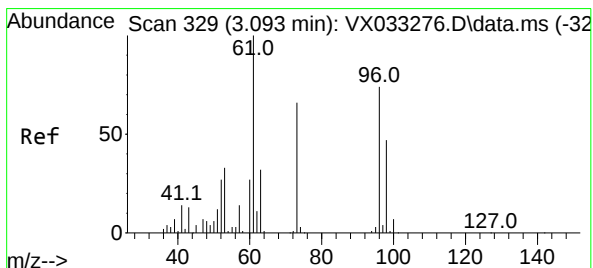
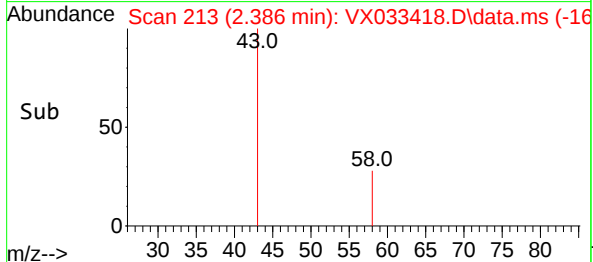
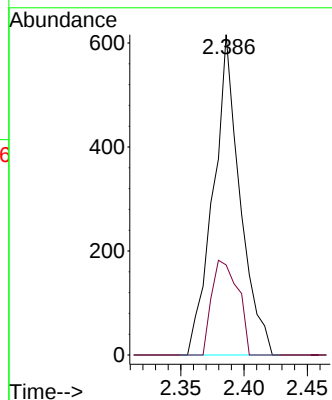
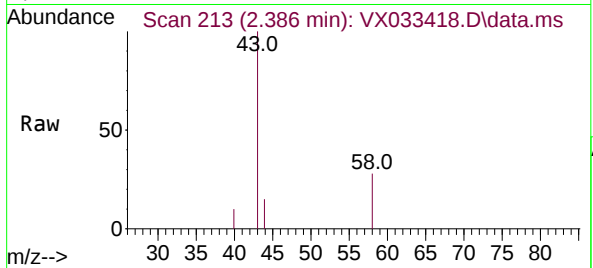




#16
Acetone
Concen: 1.572 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

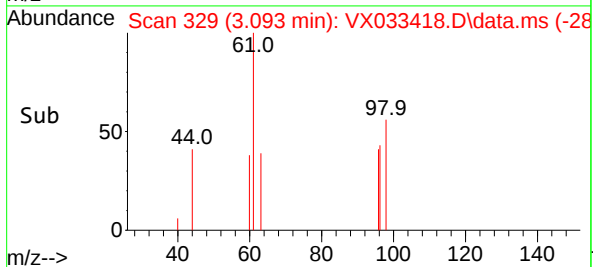
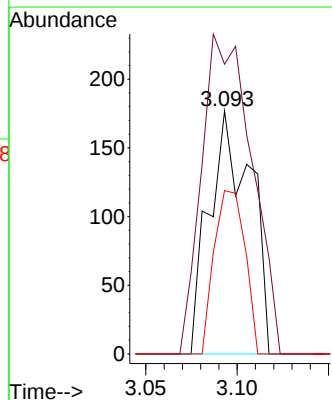
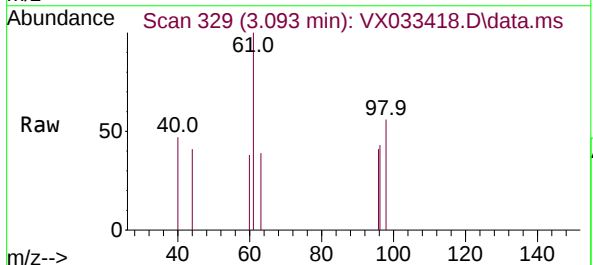
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

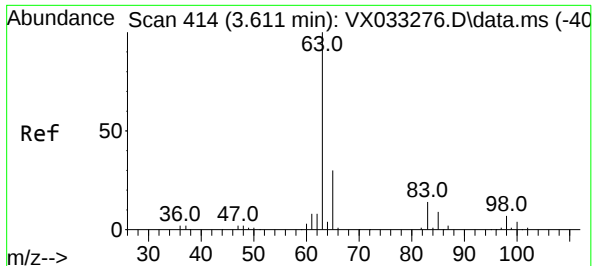
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.8



#21
trans-1,2-Dichloroethene
Concen: 0.233 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 96 Resp: 280
Ion Ratio Lower Upper
96 100
61 119.2 106.6 160.0
98 67.2 51.0 76.6





#24

1,1-Dichloroethane

Concen: 0.778 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.007 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-186-205-121322

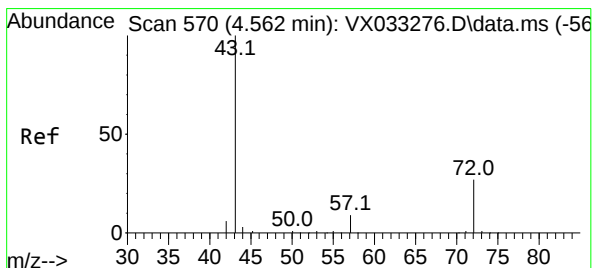
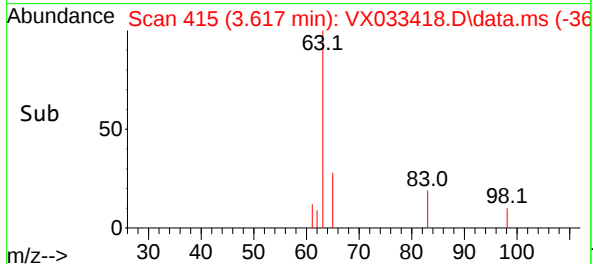
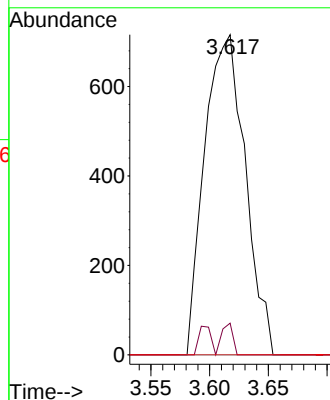
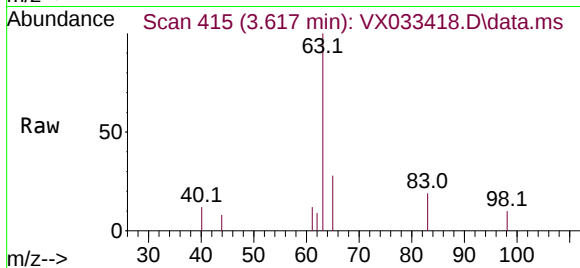
Tgt Ion: 63 Resp: 1721

Ion Ratio Lower Upper

63 100

98 9.9 3.5 10.4

100 0.0 2.3 6.8#



#25

2-Butanone

Concen: 0.483 ug/l

RT: 4.581 min Scan# 573

Delta R.T. 0.019 min

Lab File: VX033418.D

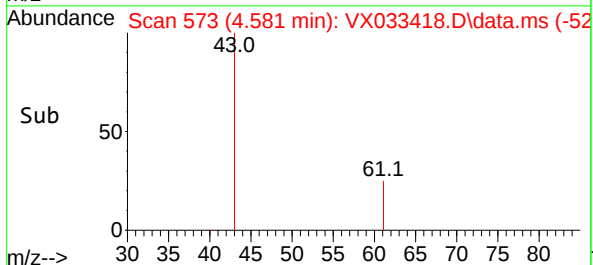
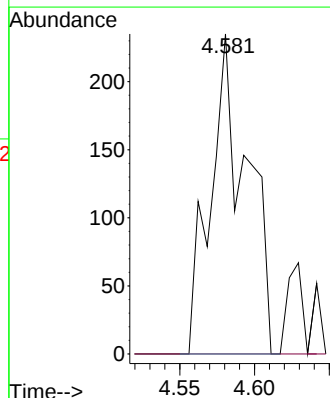
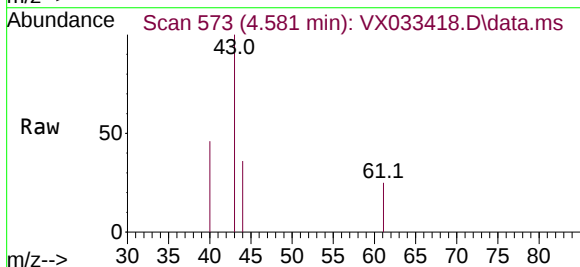
Acq: 14 Dec 2022 14:44

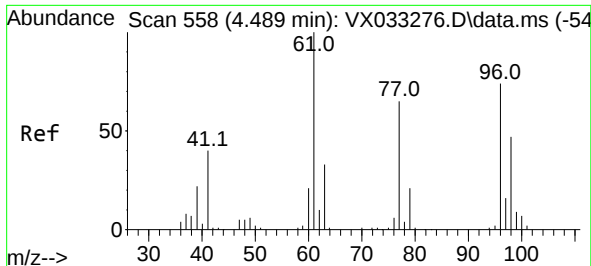
Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

72 0.0 22.2 33.2#





#27

cis-1,2-Dichloroethene

Concen: 13.160 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-186-205-121322

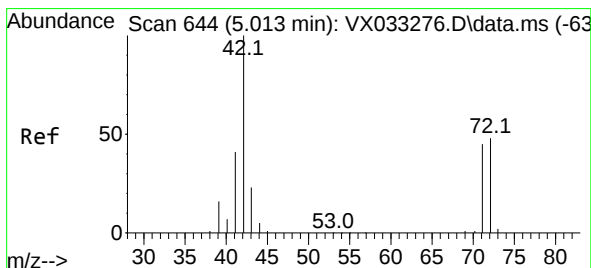
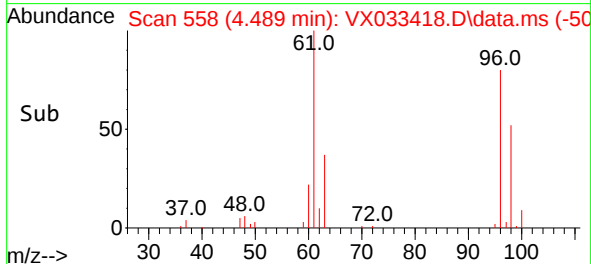
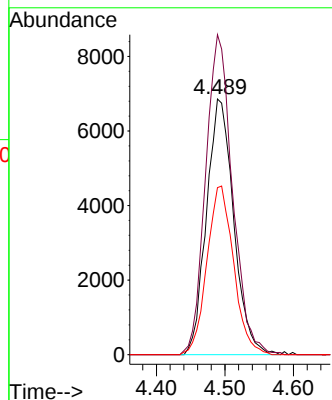
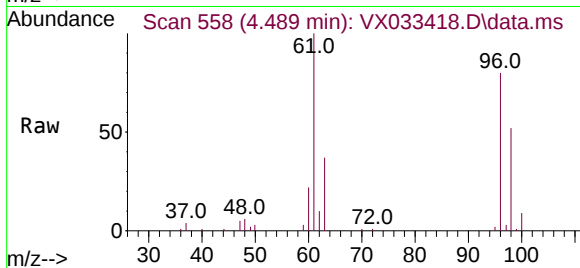
Tgt Ion: 96 Resp: 18919

Ion Ratio Lower Upper

96 100

61 123.9 0.0 286.0

98 64.7 0.0 129.6



#29

Tetrahydrofuran

Concen: 0.394 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

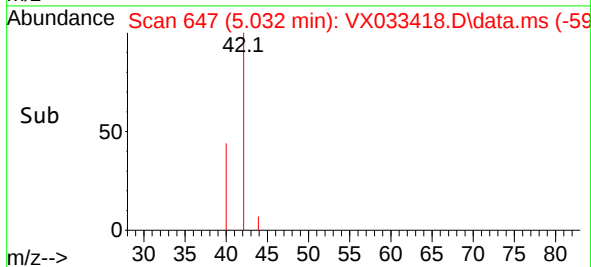
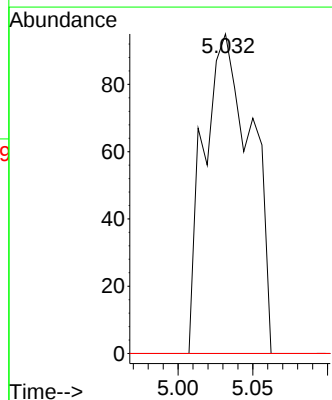
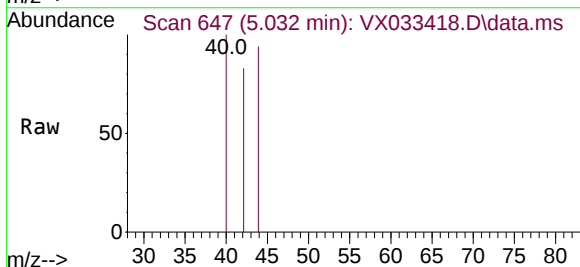
Tgt Ion: 42 Resp: 211

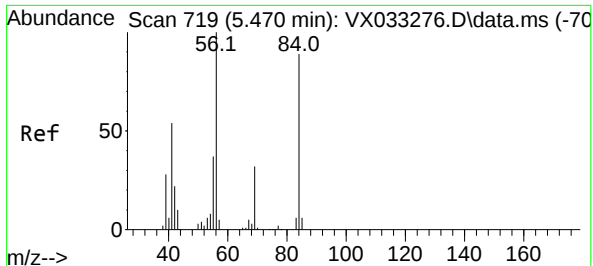
Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

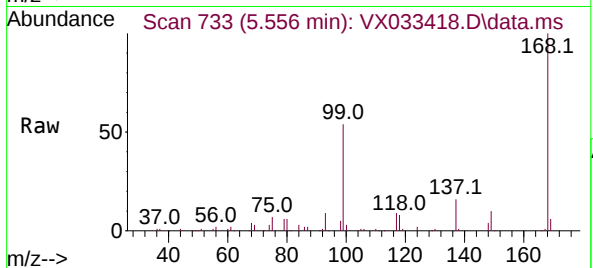
71 0.0 34.7 52.1#



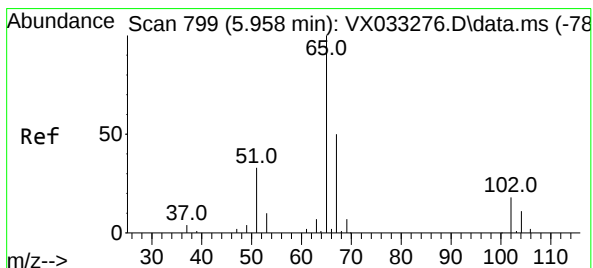
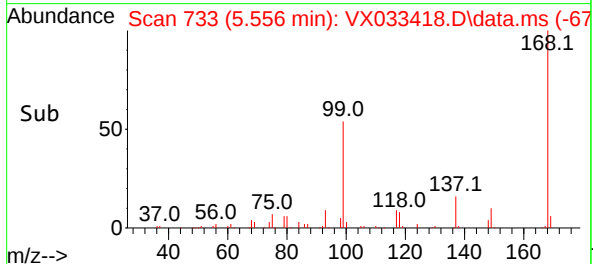
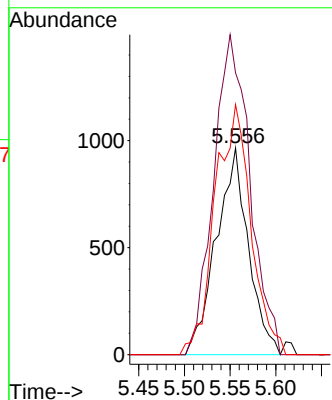


#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

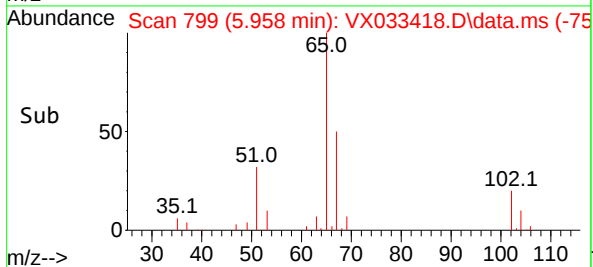
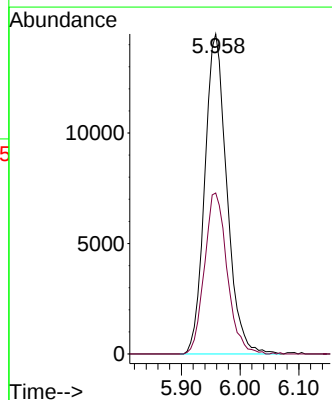
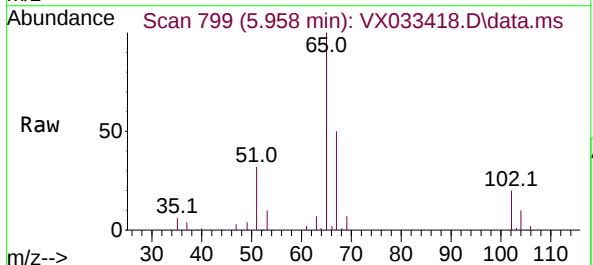


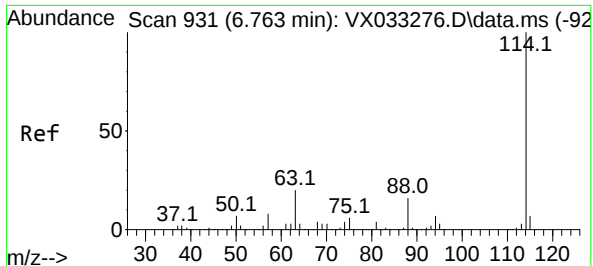
Tgt Ion: 56 Resp: 2361
Ion Ratio Lower Upper
56 100
69 136.2 24.1 36.1#
84 120.9 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 48.599 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 65 Resp: 37819
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.8

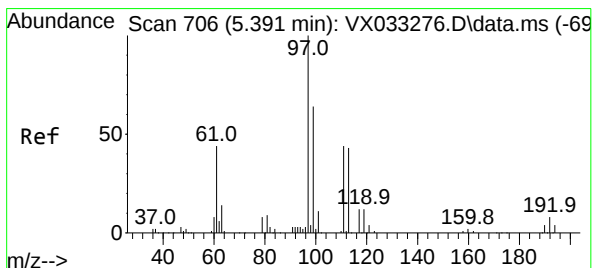
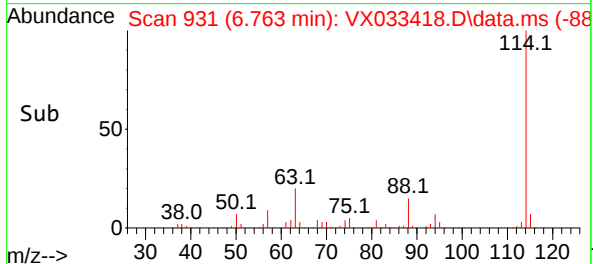
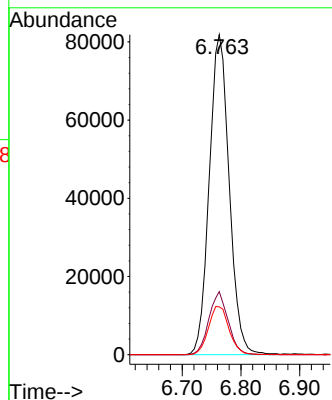
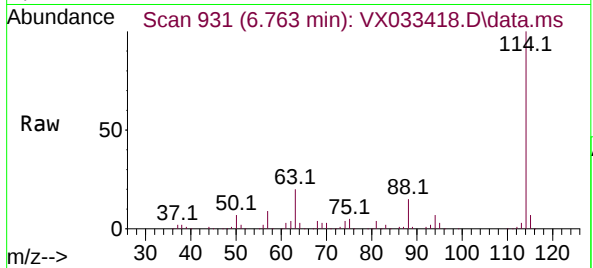




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

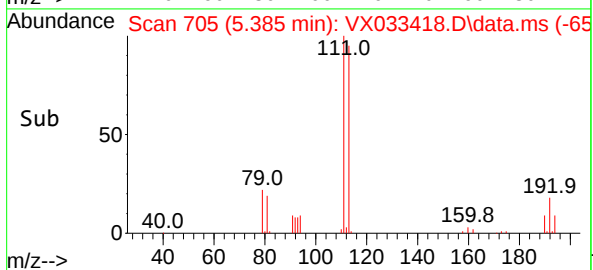
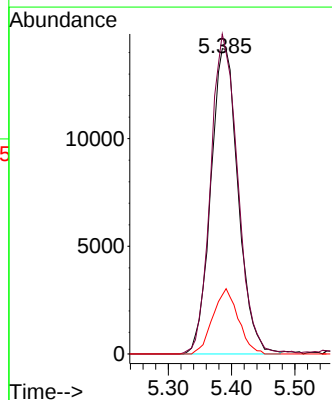
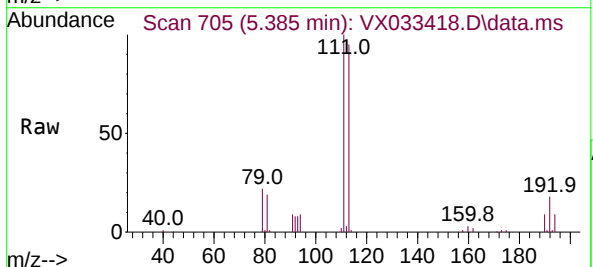
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

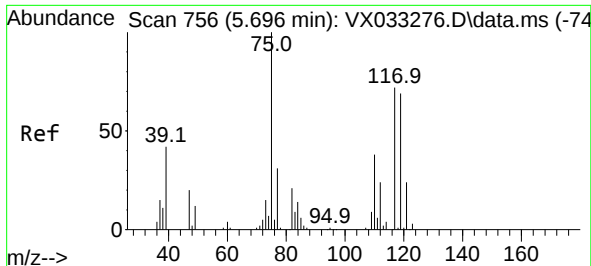
Tgt Ion:114 Resp: 192856
Ion Ratio Lower Upper
114 100
63 19.7 0.0 41.6
88 15.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.224 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion:113 Resp: 42698
Ion Ratio Lower Upper
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111 104.0 82.4 123.6
192 19.8 15.4 23.2

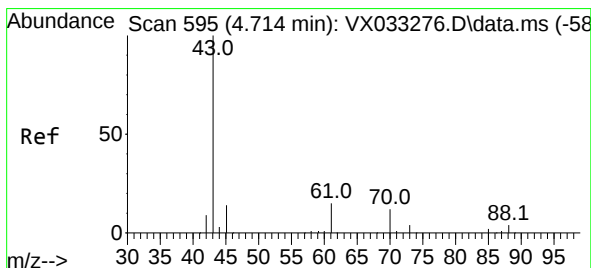
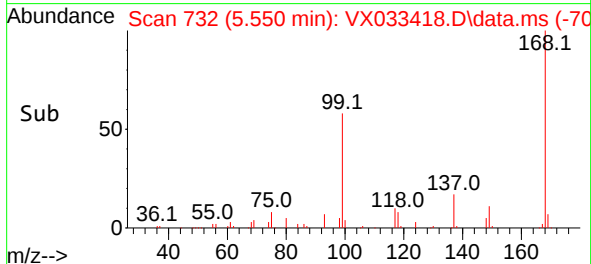
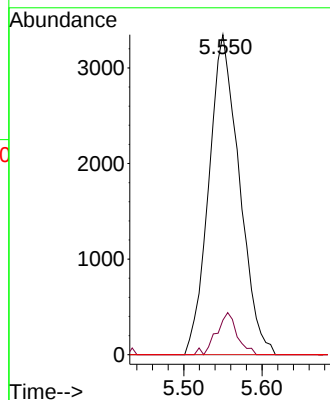
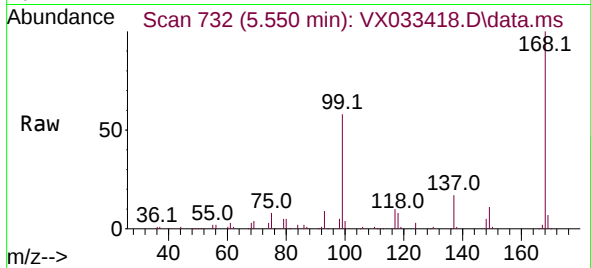




#36
1,1-Dichloropropene
Concen: 5.359 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

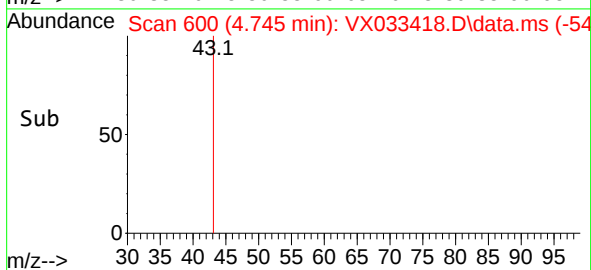
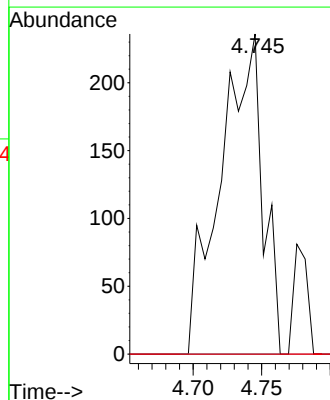
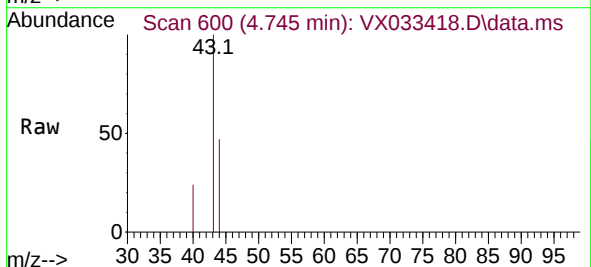
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

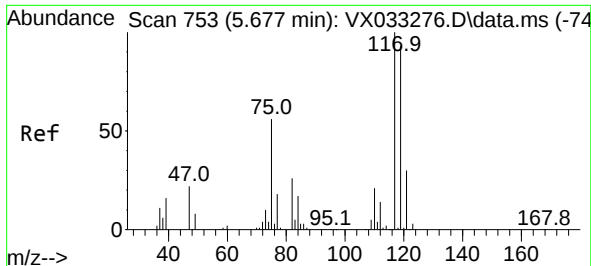
Tgt Ion: 75 Resp: 9063
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.318 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.031 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 9.1 13.7#

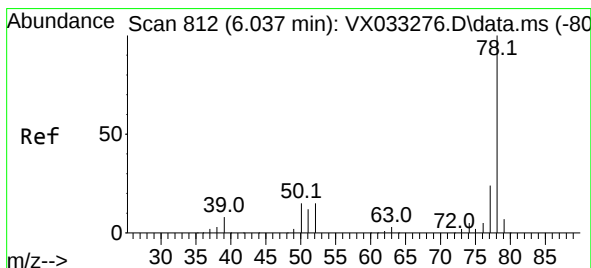
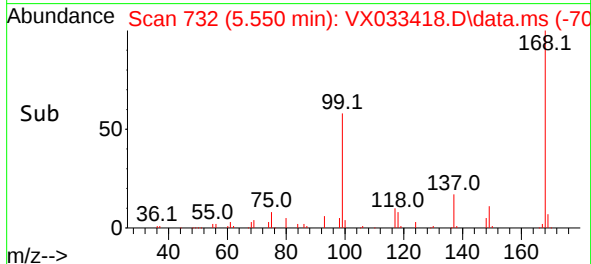
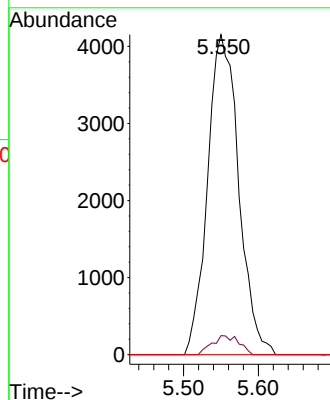
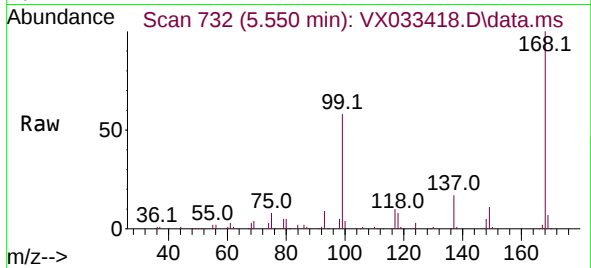




#38
Carbon Tetrachloride
Concen: 6.345 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

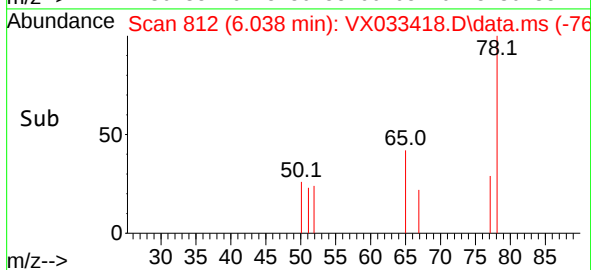
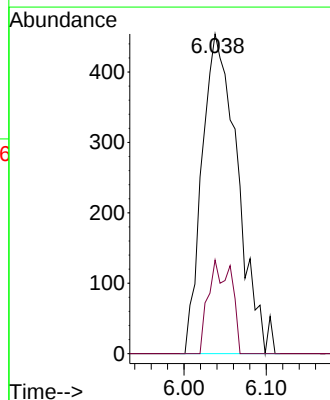
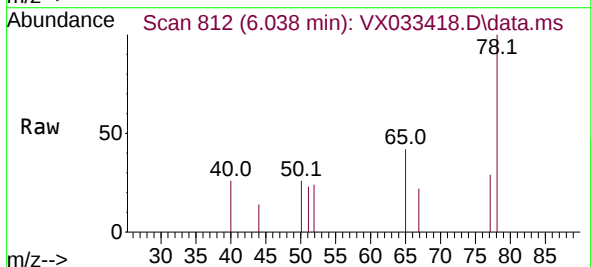
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

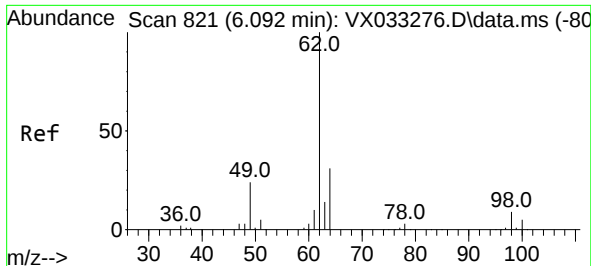
Tgt Ion:117 Resp: 12023
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.8 38.6#



#40
Benzene
Concen: 0.277 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 78 Resp: 1364
Ion Ratio Lower Upper
78 100
77 29.3 19.0 28.4#





#42

1,2-Dichloroethane

Concen: 0.535 ug/l

RT: 6.099 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

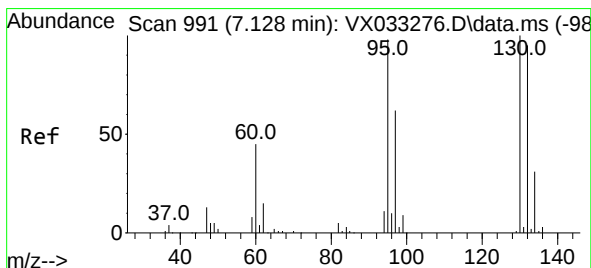
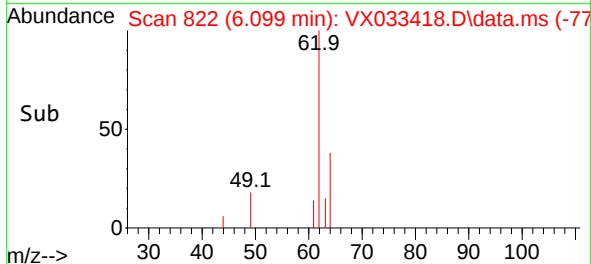
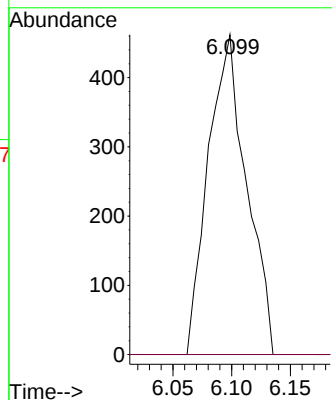
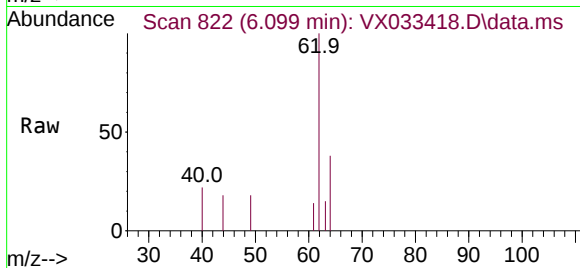
GW-BR-04-186-205-121322

Tgt Ion: 62 Resp: 1047

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 6.255 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX033418.D

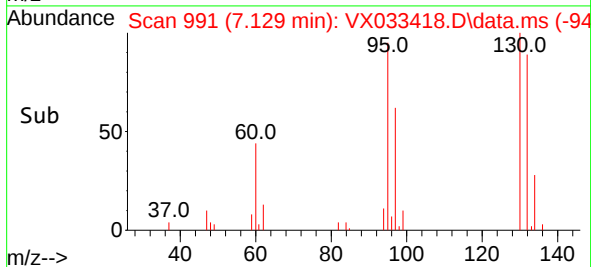
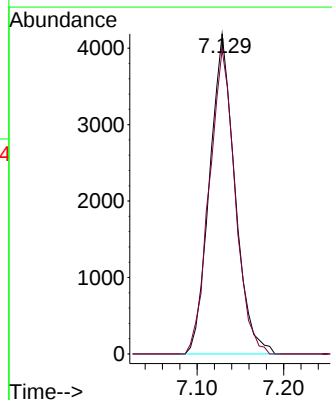
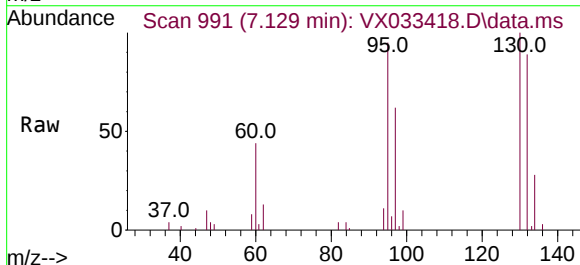
Acq: 14 Dec 2022 14:44

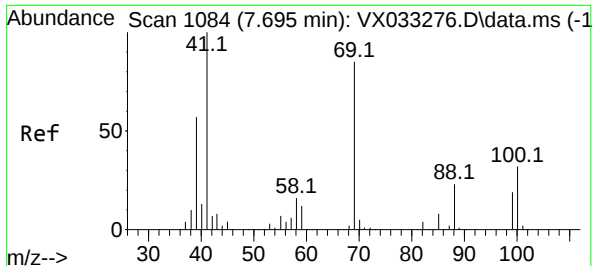
Tgt Ion:130 Resp: 8504

Ion Ratio Lower Upper

130 100

95 95.2 0.0 195.2

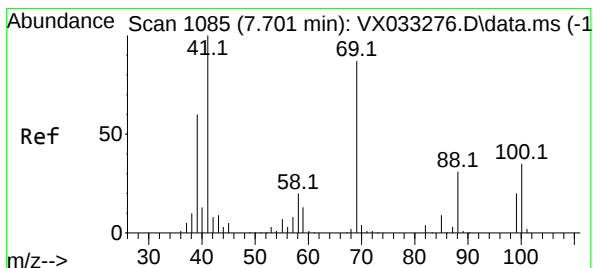
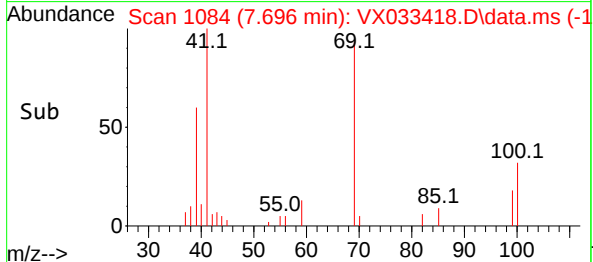
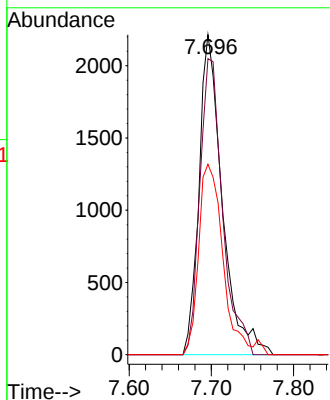
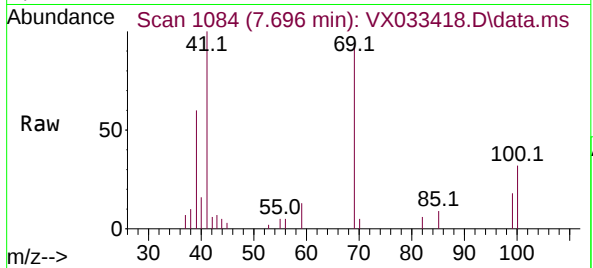




#48
Methyl methacrylate
Concen: 3.280 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

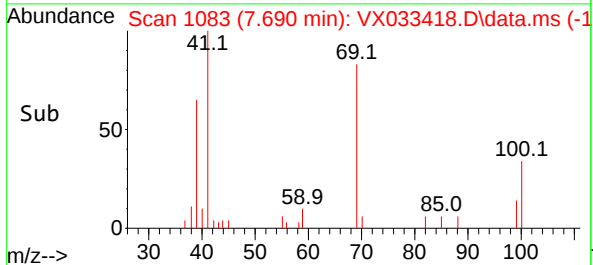
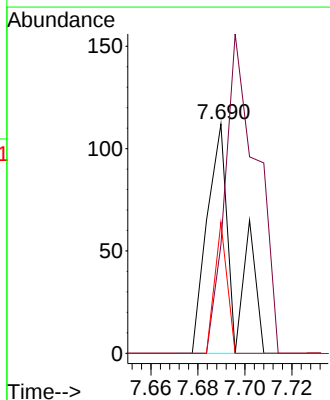
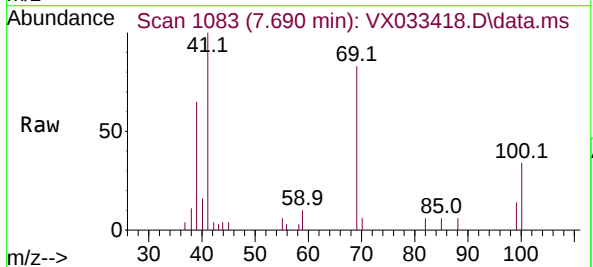
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

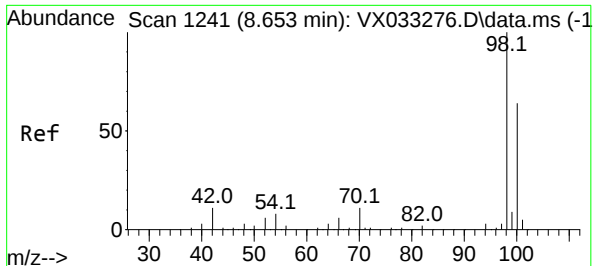
Tgt Ion:	41	Resp:	4354
Ion	Ratio	Lower	Upper
41	100		
69	90.5	65.1	97.7
39	61.7	51.9	77.9



#49
1,4-Dioxane
Concen: 2.940 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.012 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion:	88	Resp:	89
Ion	Ratio	Lower	Upper
88	100		
43	164.0	26.6	39.8#
58	25.8	51.7	77.5#





#50

Toluene-d8

Concen: 49.309 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033418.D

Acq: 14 Dec 2022 14:44

Instrument :

MSVOA_X

ClientSampleId :

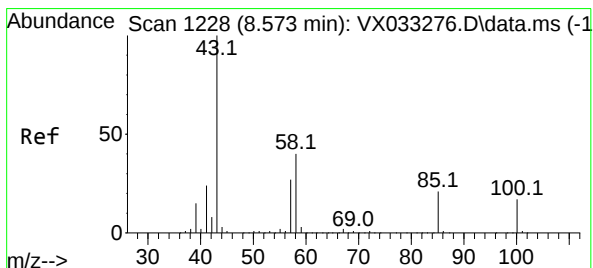
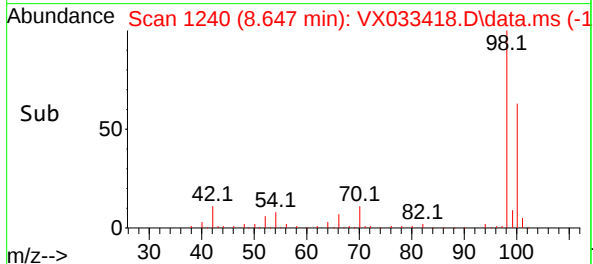
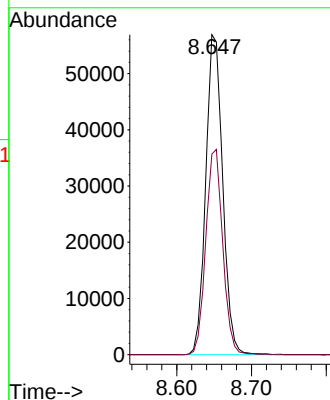
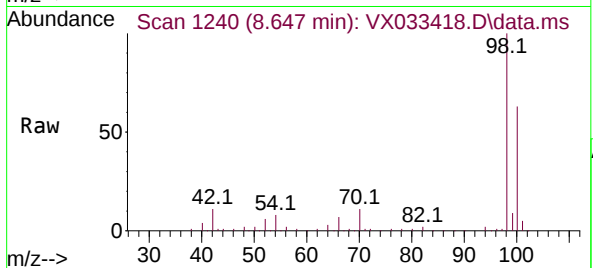
GW-BR-04-186-205-121322

Tgt Ion: 98 Resp: 89476

Ion Ratio Lower Upper

98 100

100 64.2 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.274 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.074 min

Lab File: VX033418.D

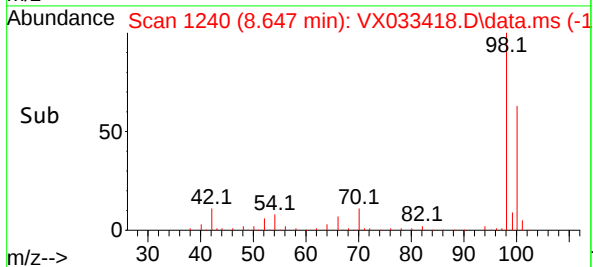
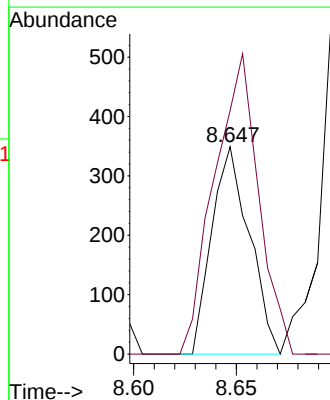
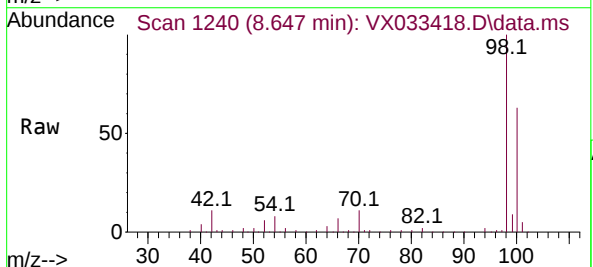
Acq: 14 Dec 2022 14:44

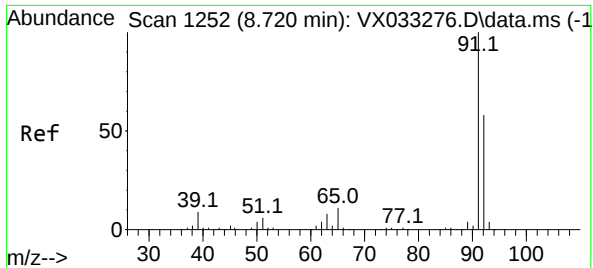
Tgt Ion: 43 Resp: 445

Ion Ratio Lower Upper

43 100

58 170.1 30.9 46.3#

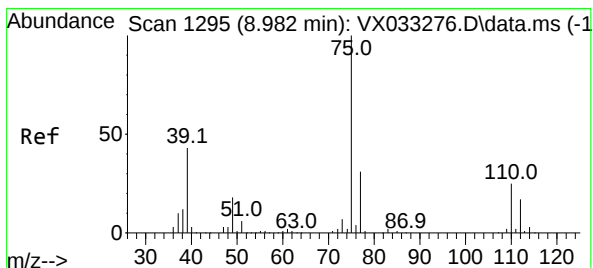
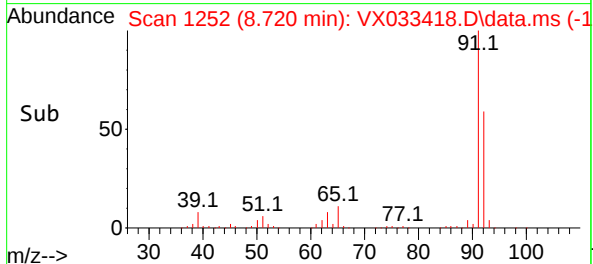
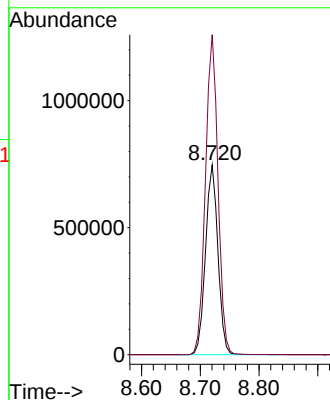
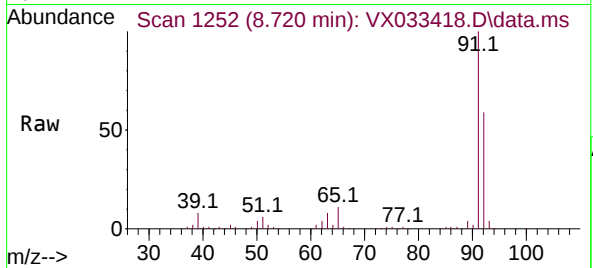




#52
Toluene
Concen: 344.522 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

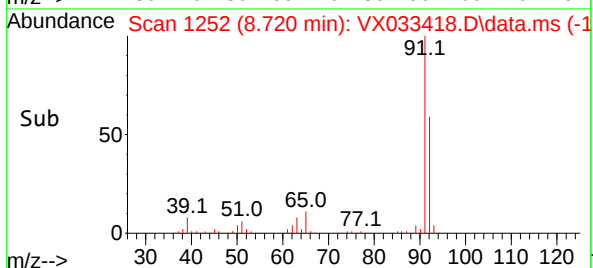
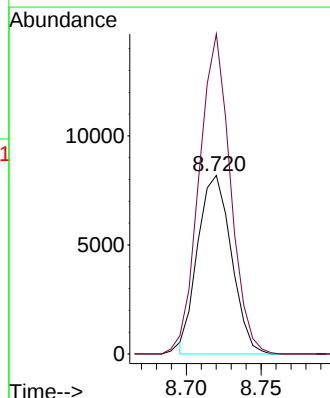
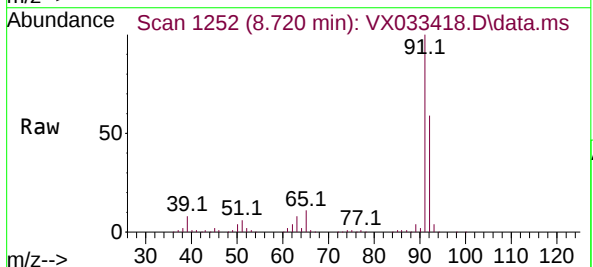
Instrument : MSVOA_X
ClientSampleId : GW-BR-04-186-205-121322

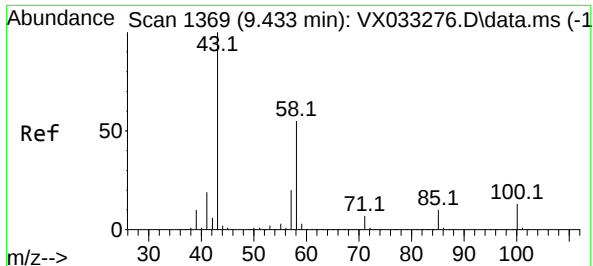
Tgt Ion: 92 Resp: 1098386
Ion Ratio Lower Upper
92 100
91 170.0 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 8.561 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 75 Resp: 12825
Ion Ratio Lower Upper
75 100
77 179.2 25.1 37.7#

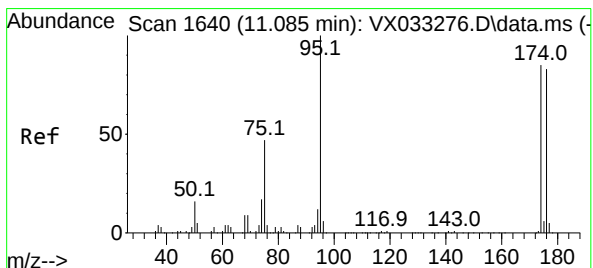
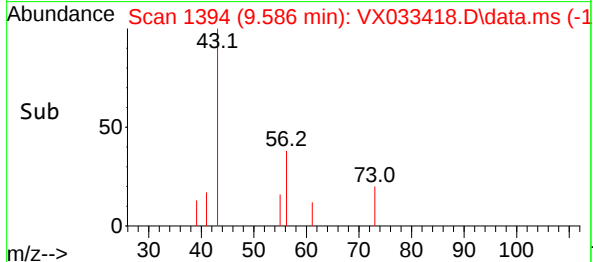
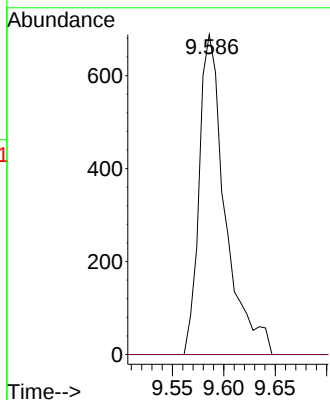
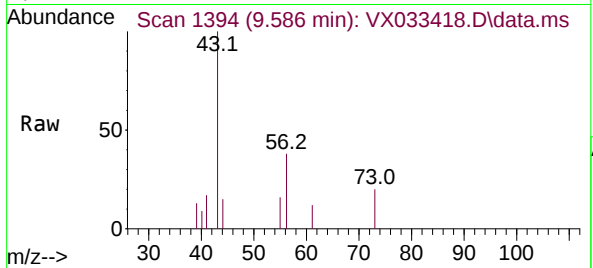




#59
2-Hexanone
Concen: 1.013 ug/l
RT: 9.586 min Scan# 11
Delta R.T. 0.153 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

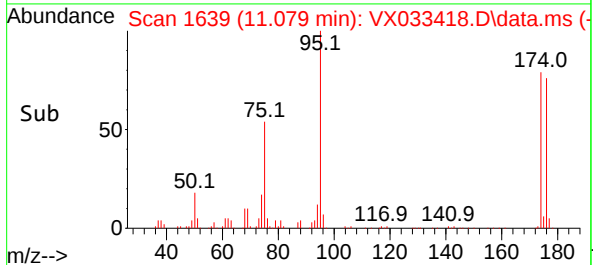
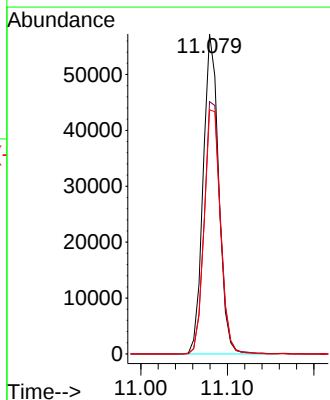
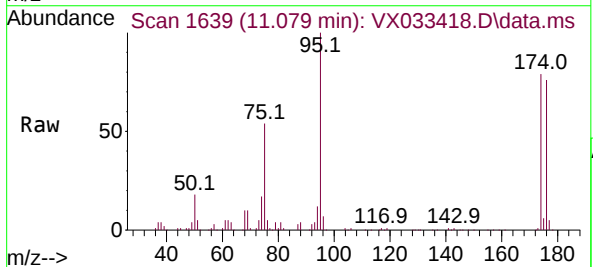
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

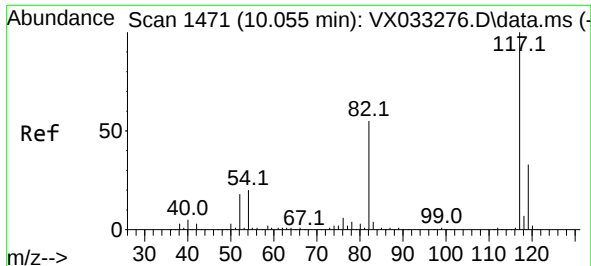
Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 95 Resp: 71364
Ion Ratio Lower Upper
95 100
174 82.1 0.0 164.0
176 79.9 0.0 154.4

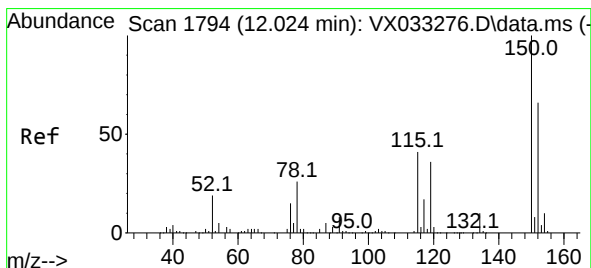
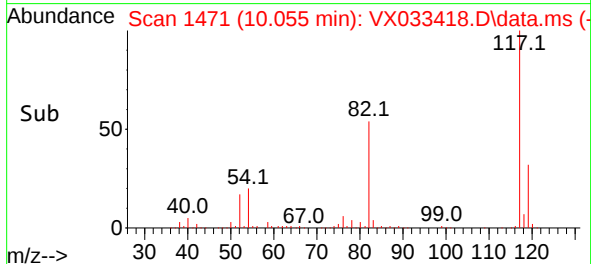
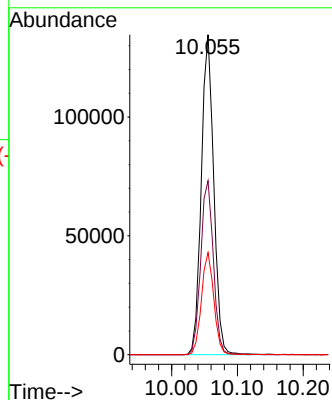
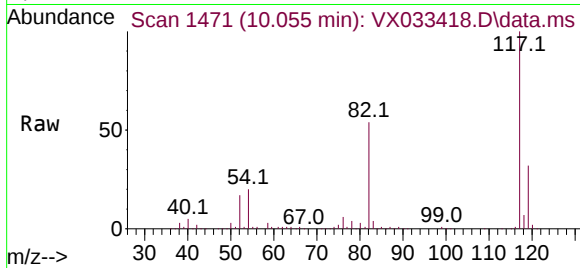




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

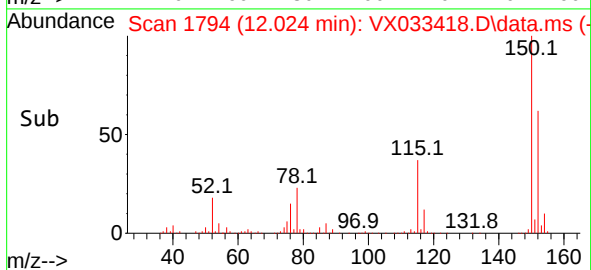
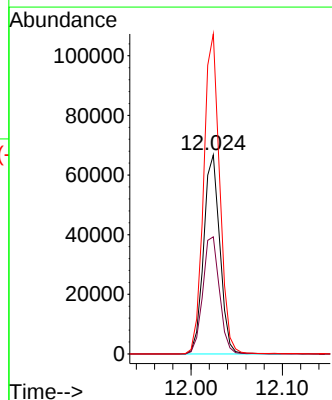
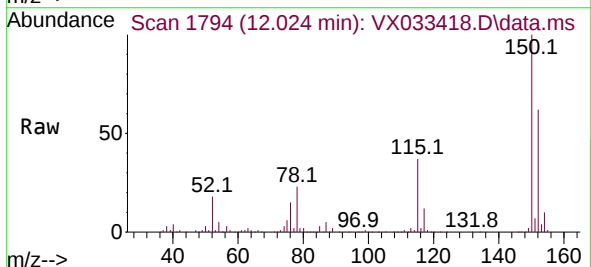
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-186-205-121322

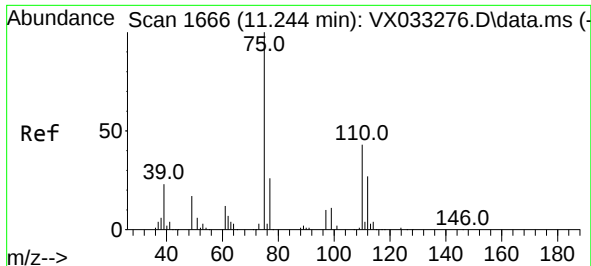
Tgt Ion:117 Resp: 176867
Ion Ratio Lower Upper
117 100
82 54.4 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion:152 Resp: 81998
Ion Ratio Lower Upper
152 100
115 60.5 44.0 132.0
150 159.5 0.0 351.8

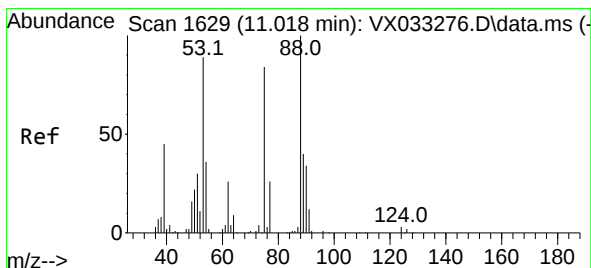
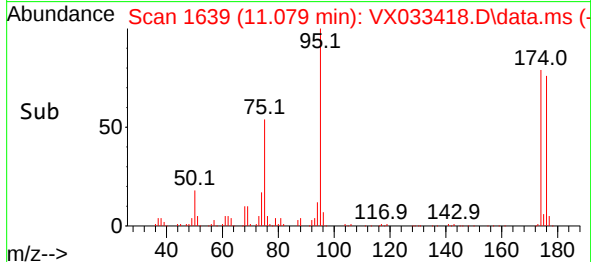
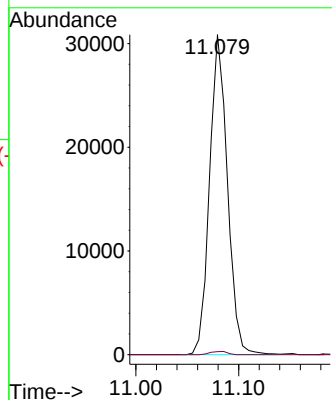
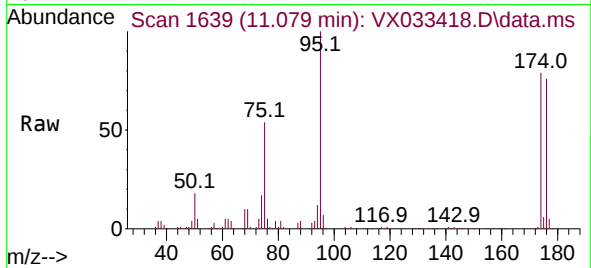




#76
1,2,3-Trichloropropane
Concen: 22.317 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Instrument : MSVOA_X
ClientSampleId : GW-BR-04-186-205-121322

Tgt Ion: 75 Resp: 37231
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.422 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033418.D
Acq: 14 Dec 2022 14:44

Tgt Ion: 75 Resp: 37231
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

