

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033355.D
 Acq On : 09 Dec 2022 18:08
 Operator : JC/MD
 Sample : N5966-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-128-142-120822

Quant Time: Dec 10 05:57:37 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)

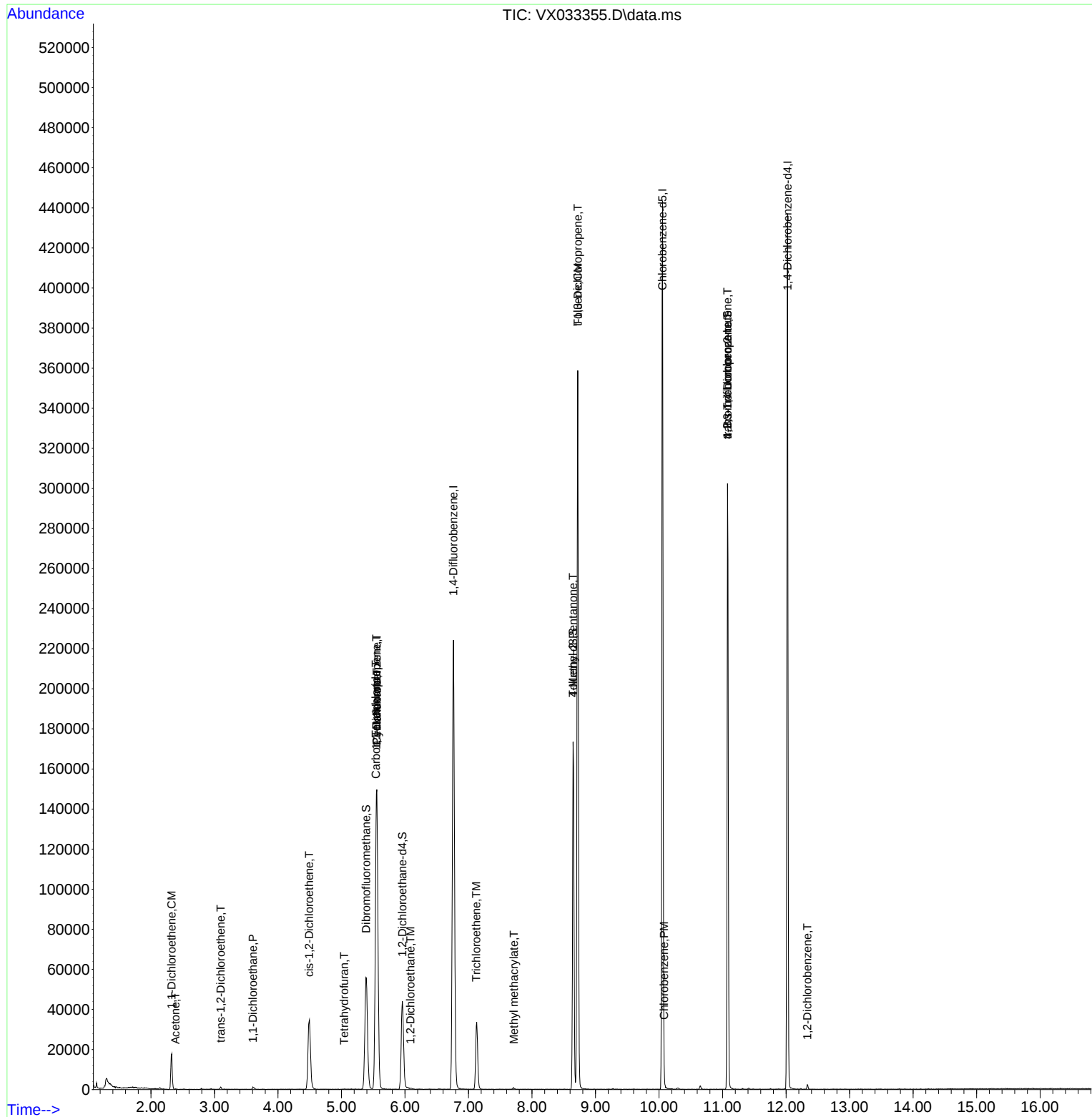
Internal Standards						
1) Pentafluorobenzene	5.556	168	145511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	232911	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44459	47.626	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.260%
35) Dibromofluoromethane	5.385	113	49762	47.501	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.000%
50) Toluene-d8	8.647	98	105268	48.035	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.060%
62) 4-Bromofluorobenzene	11.079	95	79832	47.642	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.325	96	6202	4.701	ug/l	92
16) Acetone	2.386	43	243	0.352	ug/l #	45
21) trans-1,2-Dichloroethene	3.099	96	431	0.299	ug/l	94
24) 1,1-Dichloroethane	3.605	63	1400	0.528	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	22610	13.110	ug/l	90
29) Tetrahydrofuran	5.044	42	163	0.254	ug/l #	31
31) Cyclohexane	5.556	56	2945	1.327	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	10649	5.214	ug/l #	49
38) Carbon Tetrachloride	5.544	117	14751	6.446	ug/l #	15
42) 1,2-Dichloroethane	6.086	62	762	0.322	ug/l #	77
44) Trichloroethene	7.123	130	13617	8.294	ug/l	99
48) Methyl methacrylate	7.714	41	438	0.273	ug/l #	90
51) 4-Methyl-2-Pentanone	8.647	43	422	0.215	ug/l #	1
52) Toluene	8.720	92	132748	34.477	ug/l	100
53) t-1,3-Dichloropropene	8.720	75	1775	3.200	ug/l #	1
65) Chlorobenzene	10.079	112	977	0.238	ug/l #	76
76) 1,2,3-Trichloropropane	11.079	75	41249	22.280	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41249	69.306	ug/l #	6
91) 1,2-Dichlorobenzene	12.335	146	981	0.325	ug/l	84

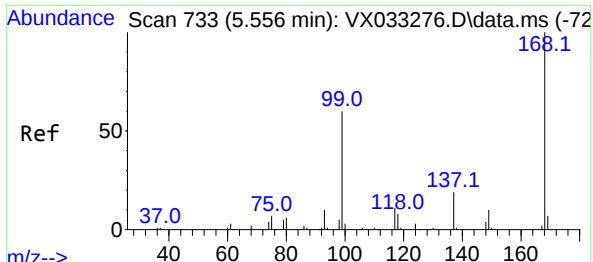
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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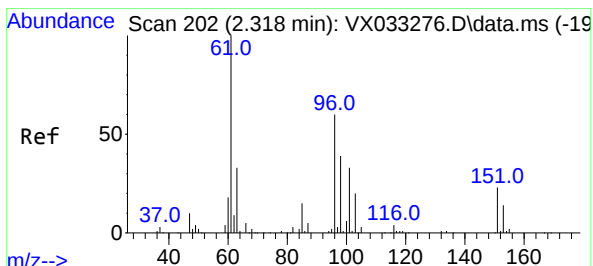
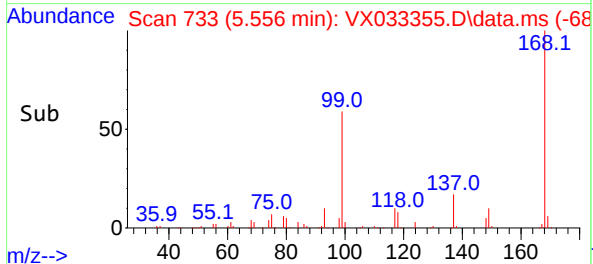
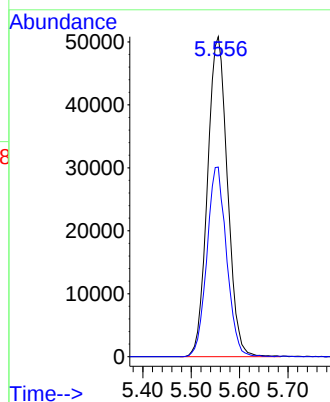
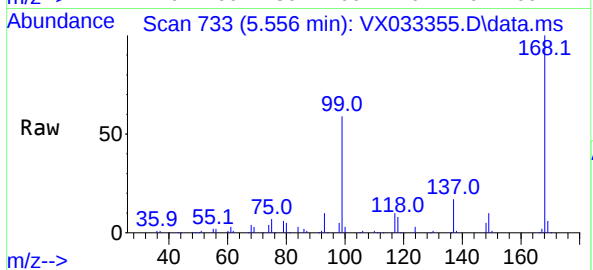




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

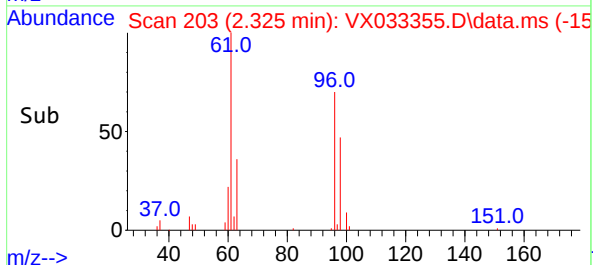
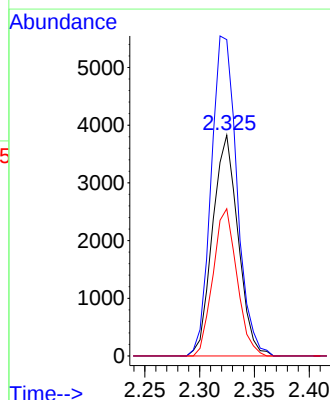
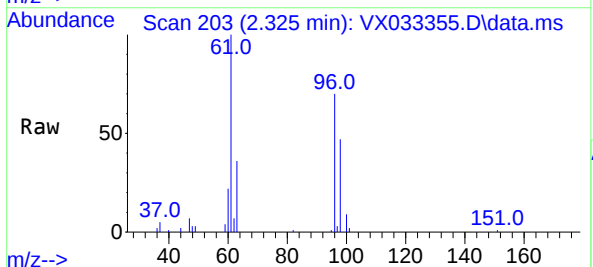
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

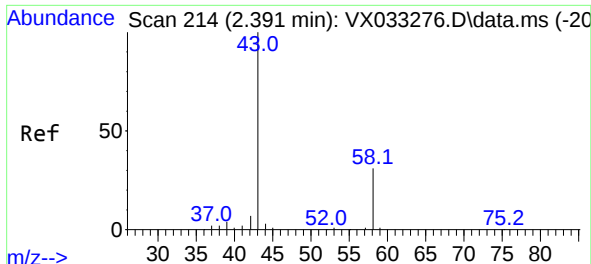
Tgt Ion:168 Resp: 145511
Ion Ratio Lower Upper
168 100
99 59.3 46.1 69.1



#12
1,1-Dichloroethene
Concen: 4.701 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 96 Resp: 6202
Ion Ratio Lower Upper
96 100
61 143.2 125.1 187.7
98 66.6 50.6 76.0

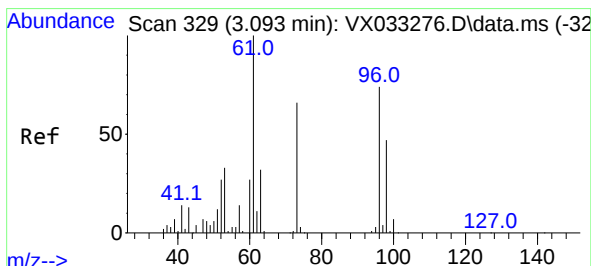
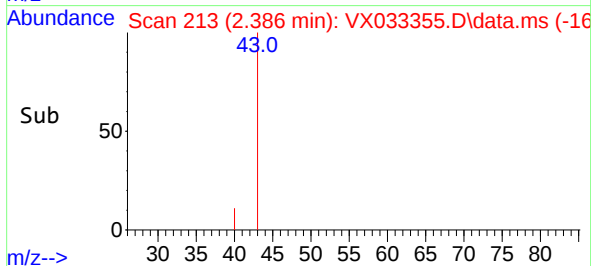
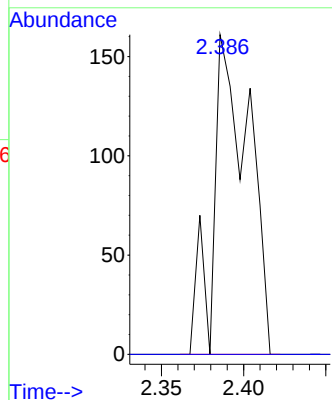
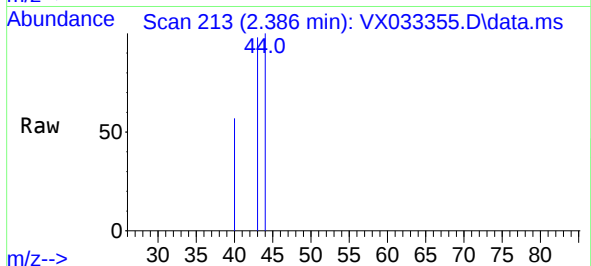




#16
Acetone
Concen: 0.352 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

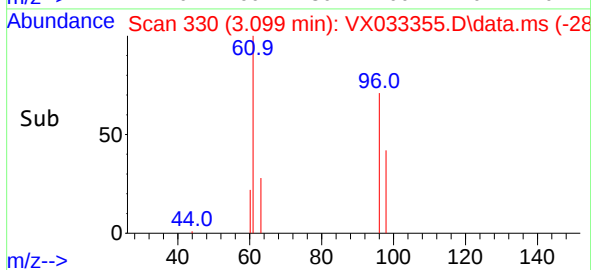
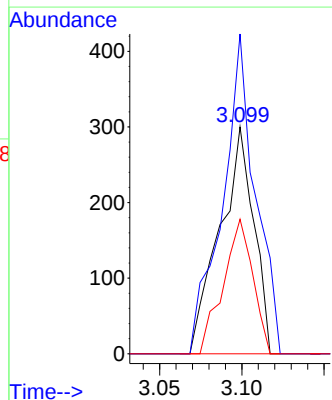
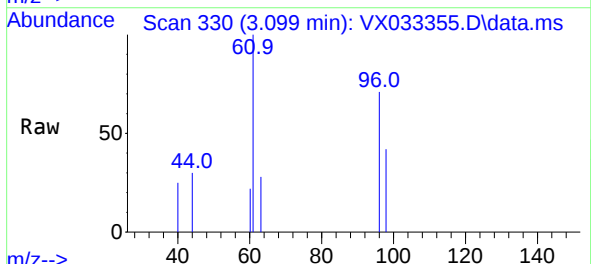
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

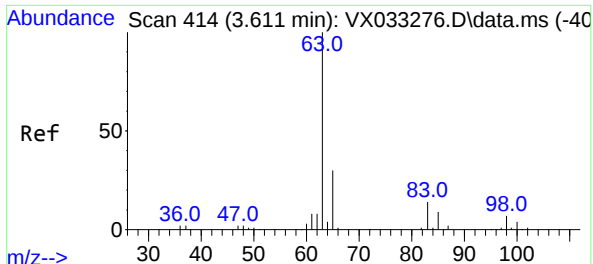
Tgt Ion: 43 Resp: 243
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.8#



#21
trans-1,2-Dichloroethene
Concen: 0.299 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 96 Resp: 431
Ion Ratio Lower Upper
96 100
61 141.0 106.6 160.0
98 59.3 51.0 76.6

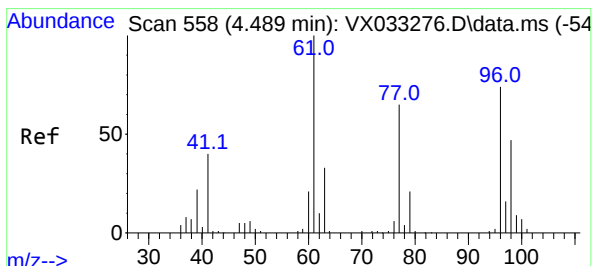
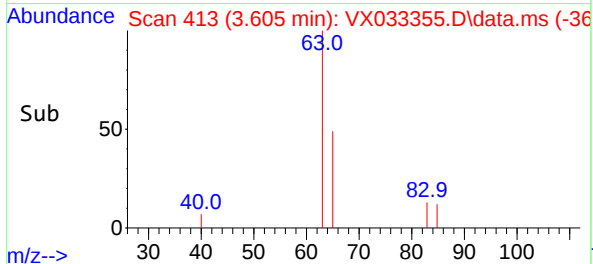
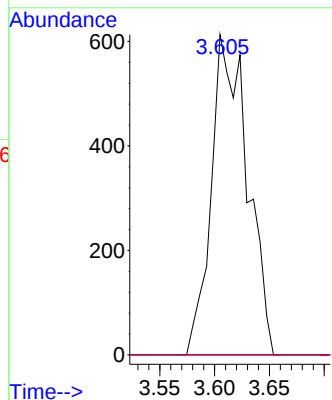
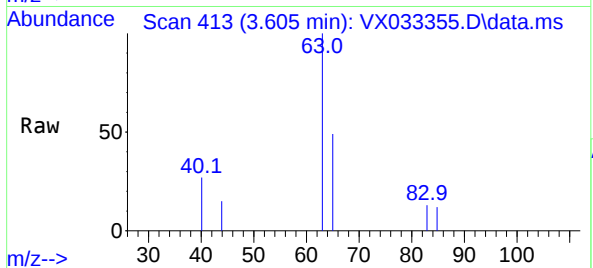




#24
1,1-Dichloroethane
Concen: 0.528 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

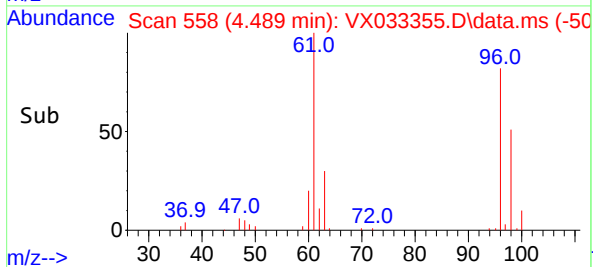
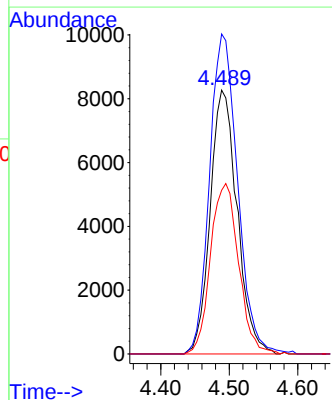
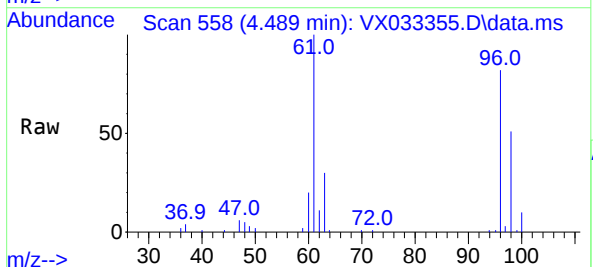
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

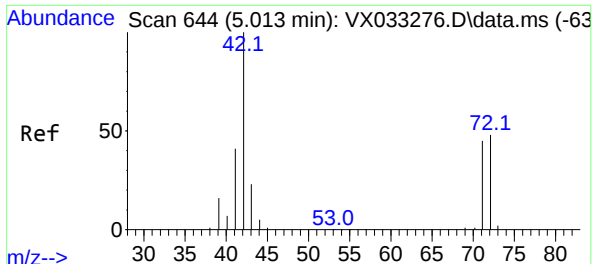
Tgt Ion: 63 Resp: 1400
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 13.110 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 96 Resp: 22610
Ion Ratio Lower Upper
96 100
61 126.1 0.0 286.0
98 67.3 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-128-142-120822

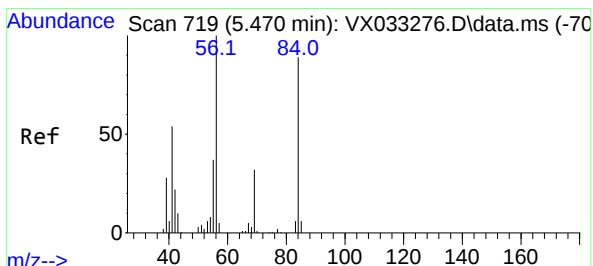
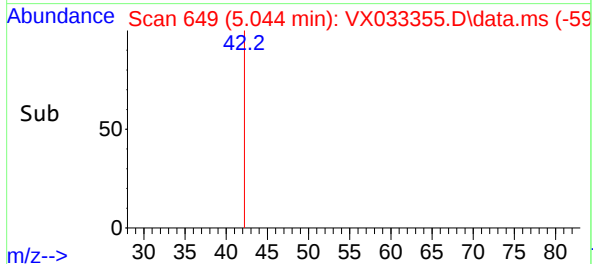
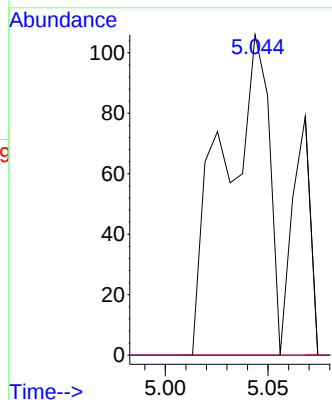
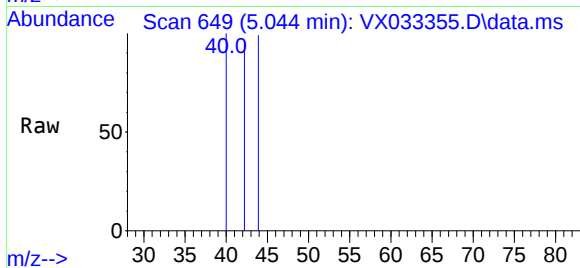
Tgt Ion: 42 Resp: 163

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 1.327 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

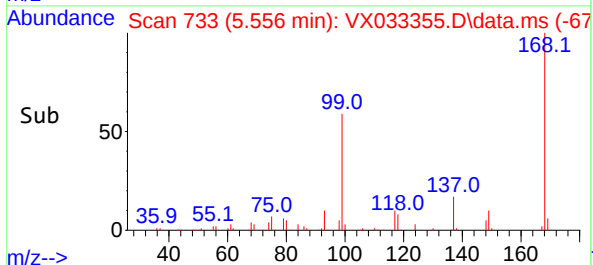
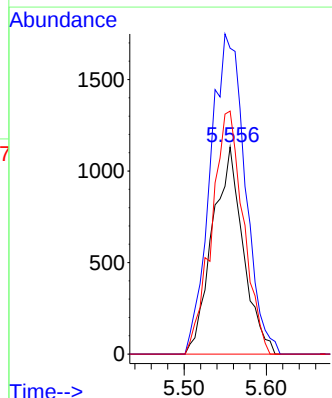
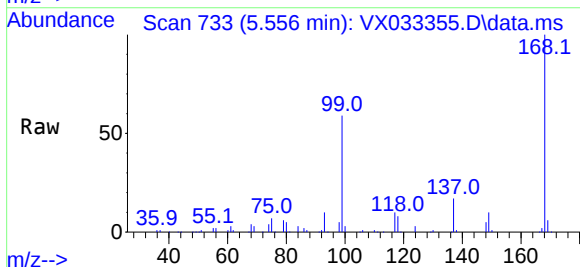
Tgt Ion: 56 Resp: 2945

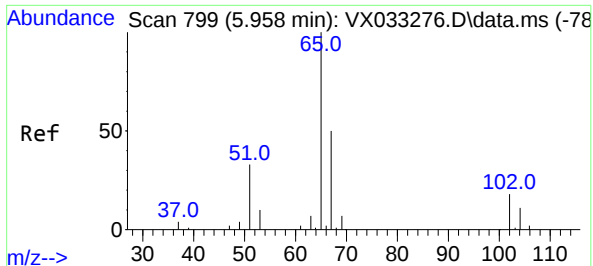
Ion Ratio Lower Upper

56 100

69 147.6 24.1 36.1#

84 117.3 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.626 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

Instrument :

MSVOA_X

ClientSampleId :

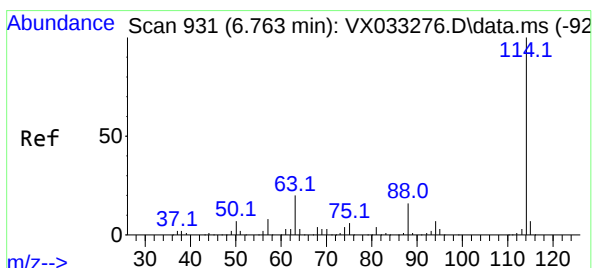
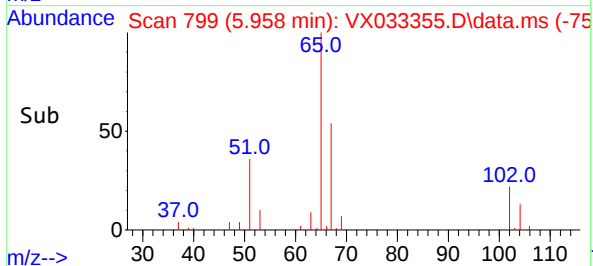
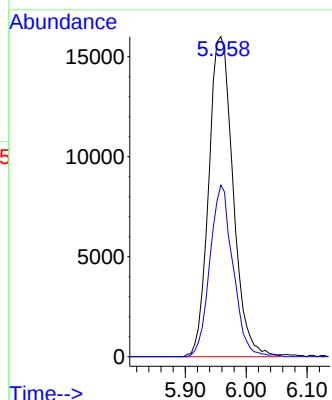
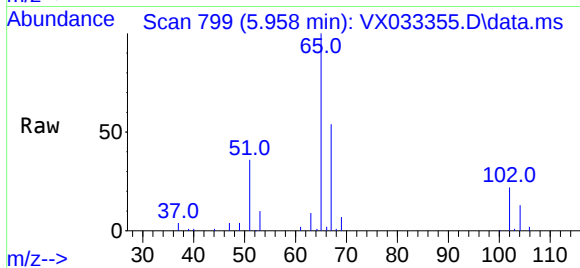
GW-BR-04-128-142-120822

Tgt Ion: 65 Resp: 44459

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

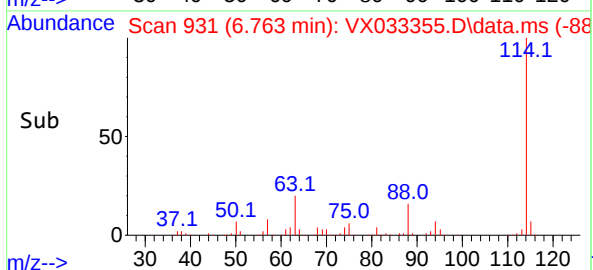
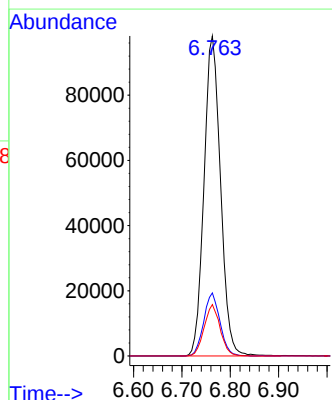
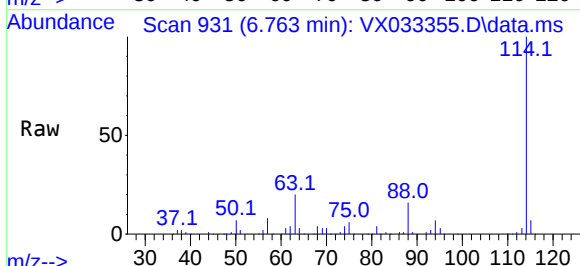
Tgt Ion: 114 Resp: 232911

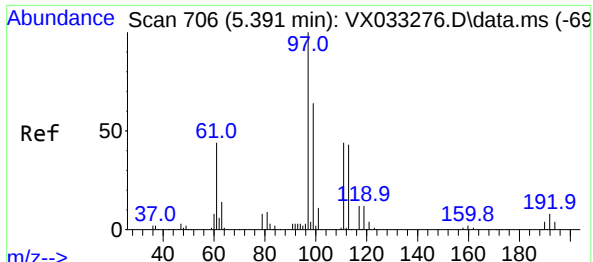
Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 16.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.501 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-128-142-120822

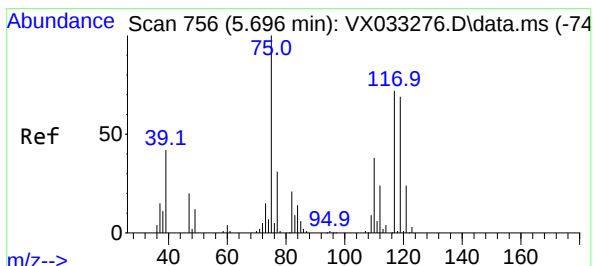
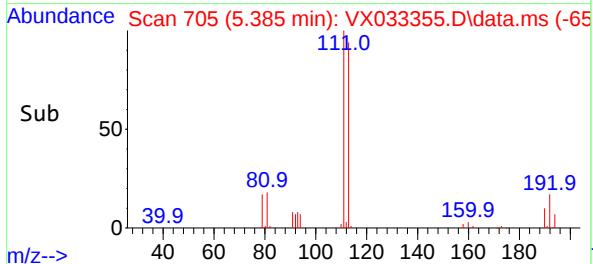
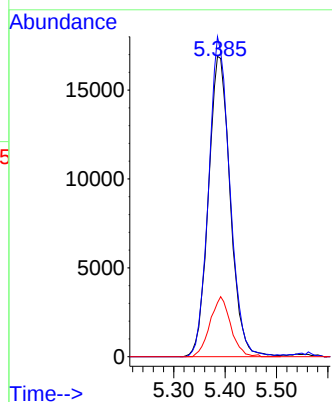
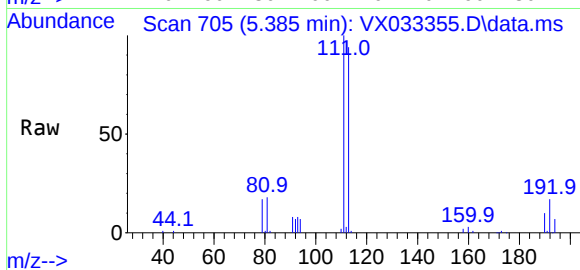
Tgt Ion:113 Resp: 49762

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

192 18.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.214 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033355.D

Acq: 09 Dec 2022 18:08

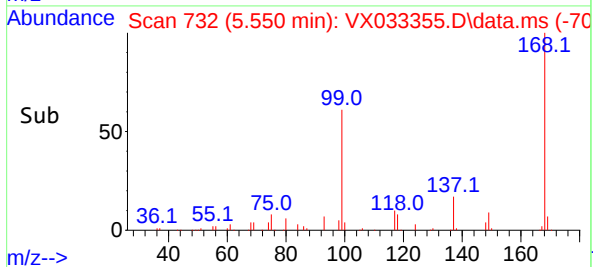
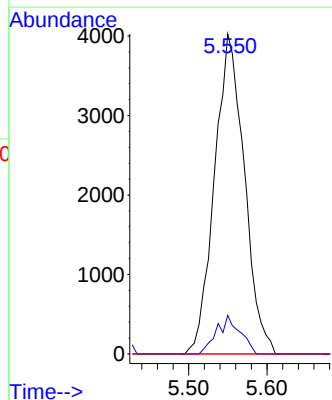
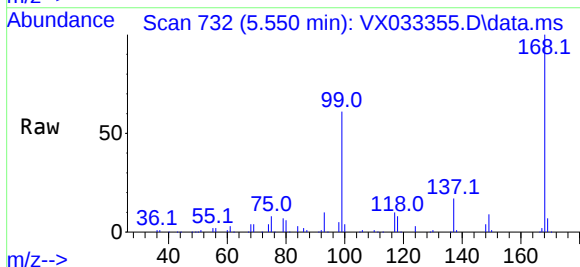
Tgt Ion: 75 Resp: 10649

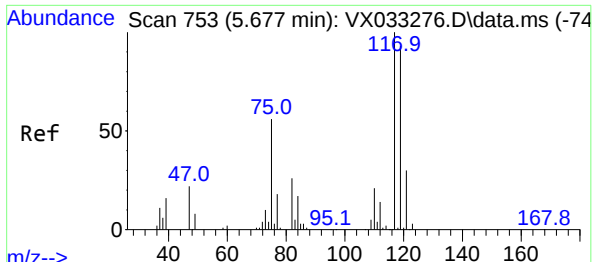
Ion Ratio Lower Upper

75 100

110 9.4 18.4 55.2#

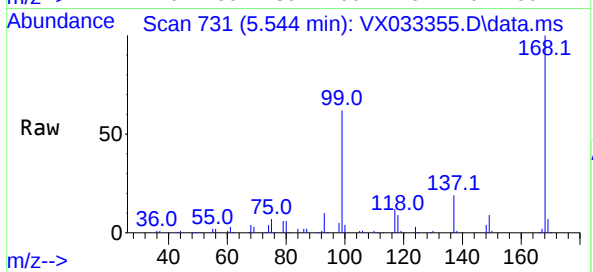
77 0.0 24.5 36.7#



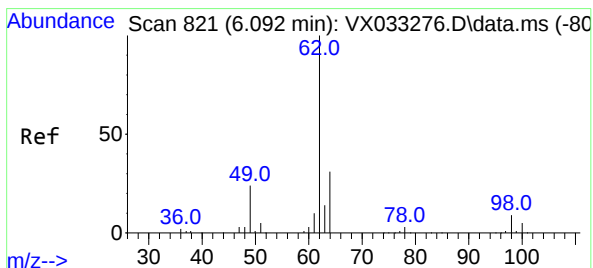
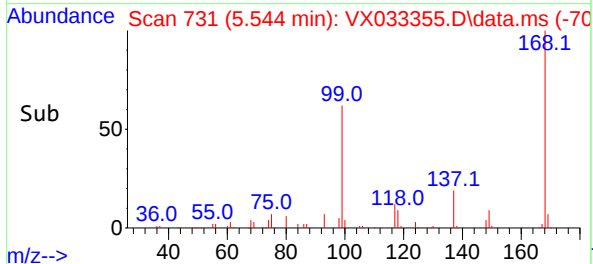
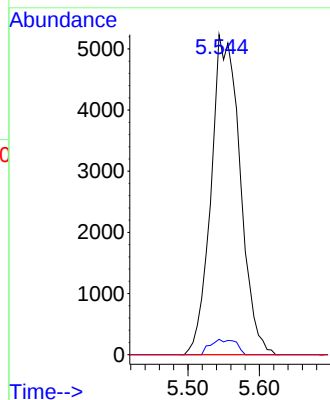


#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

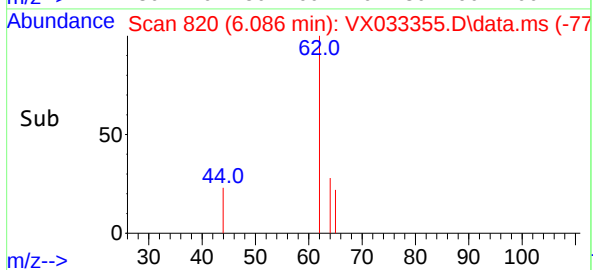
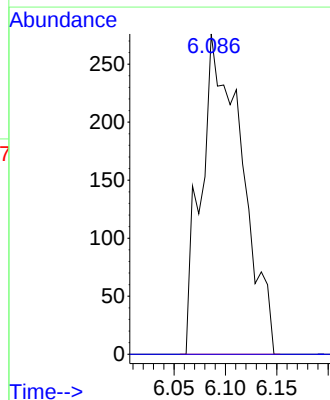
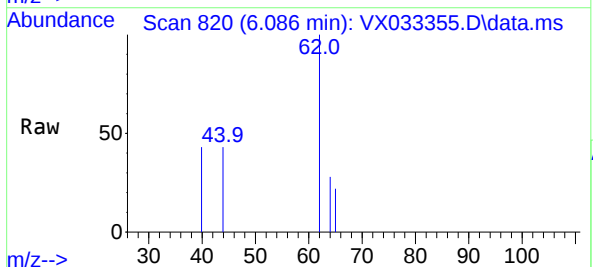


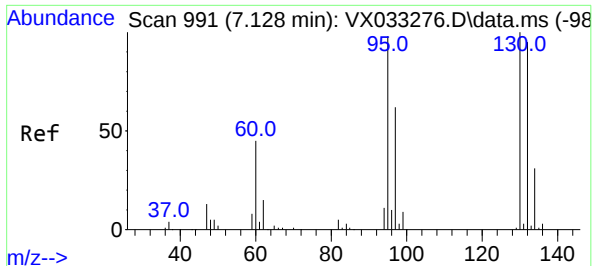
Tgt Ion:117 Resp: 14751
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 25.8 38.6#



#42
1,2-Dichloroethane
Concen: 0.322 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 62 Resp: 762
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

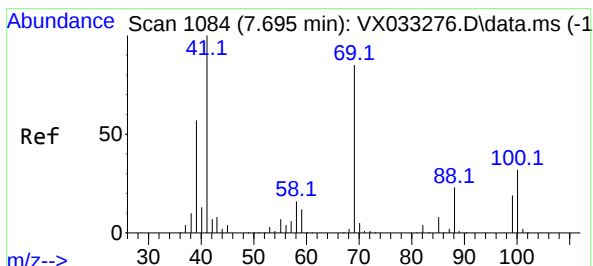
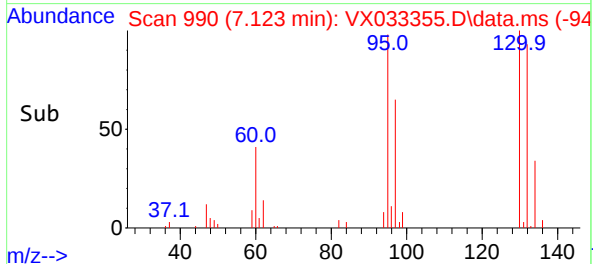
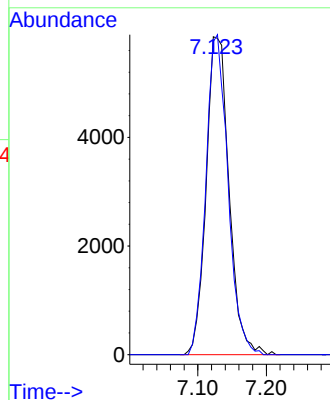
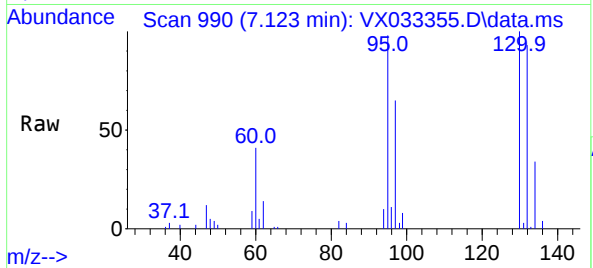




#44
Trichloroethene
Concen: 8.294 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

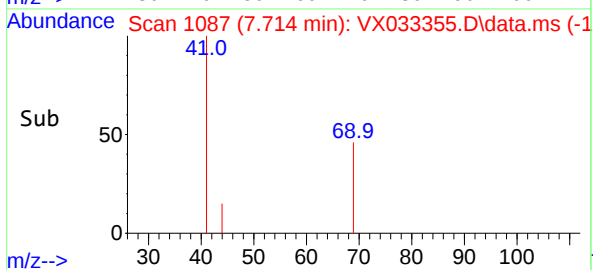
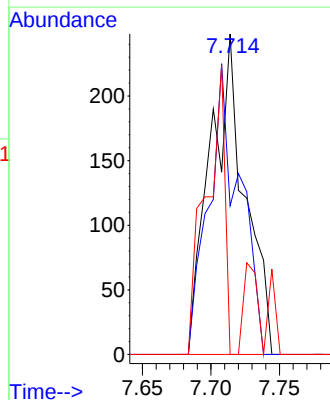
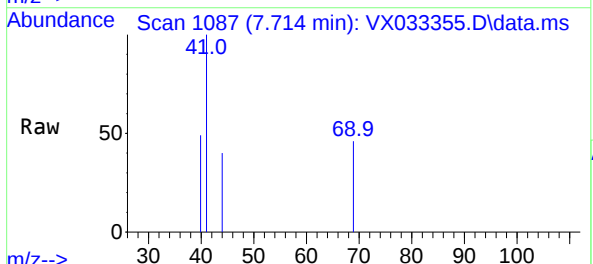
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

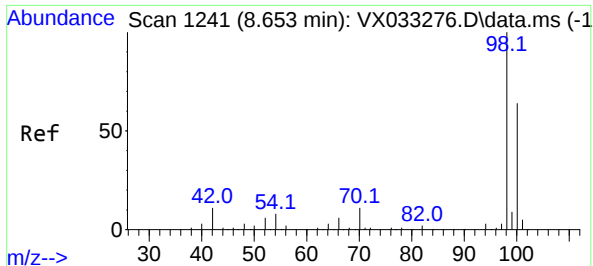
Tgt Ion:130 Resp: 13617
Ion Ratio Lower Upper
130 100
95 98.5 0.0 195.2



#48
Methyl methacrylate
Concen: 0.273 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.019 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 41 Resp: 438
Ion Ratio Lower Upper
41 100
69 80.6 65.1 97.7
39 48.6 51.9 77.9#

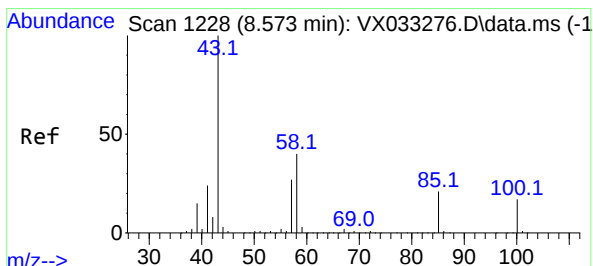
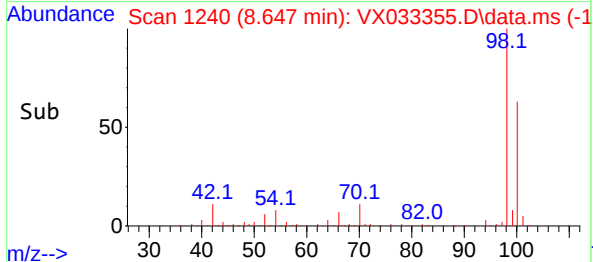
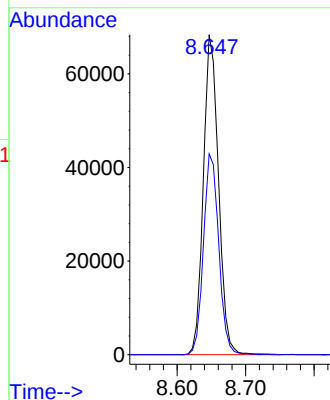
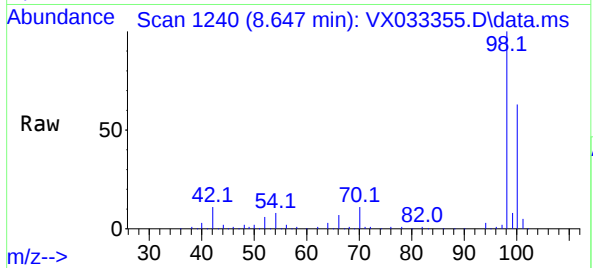




#50
Toluene-d8
Concen: 48.035 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

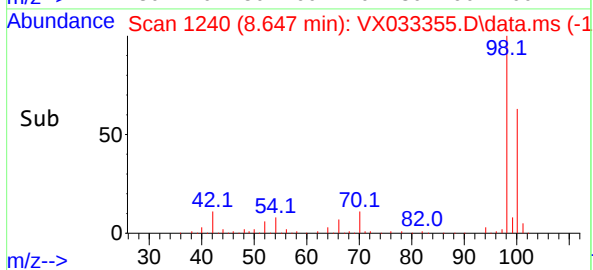
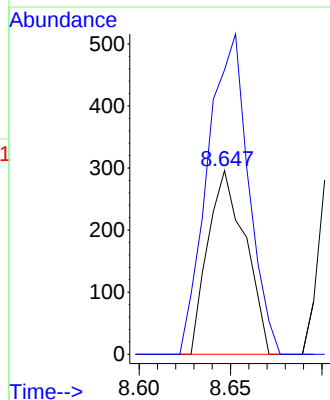
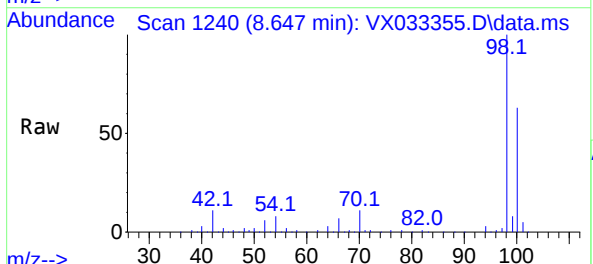
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

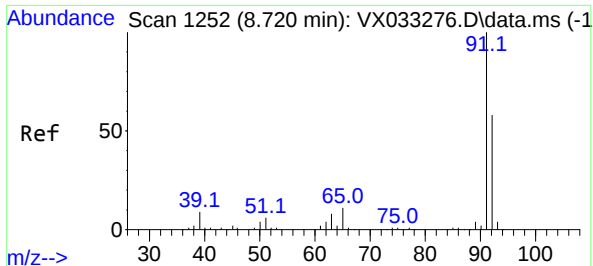
Tgt Ion: 98 Resp: 105268
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.215 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
58 190.8 30.9 46.3

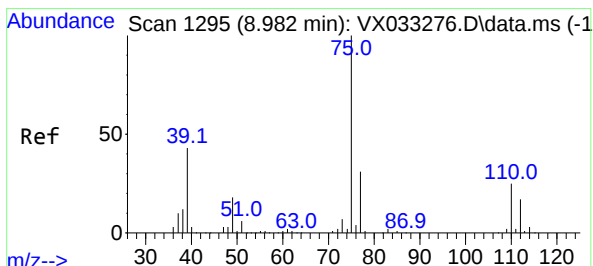
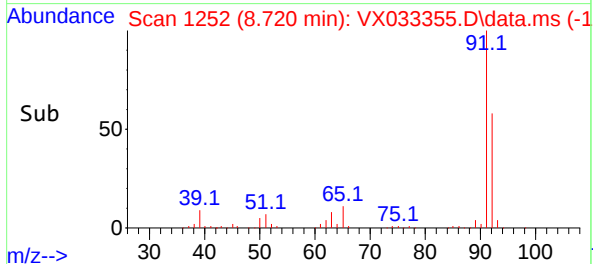
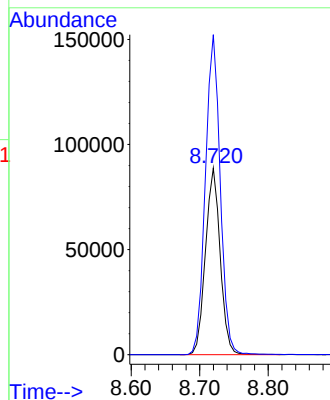
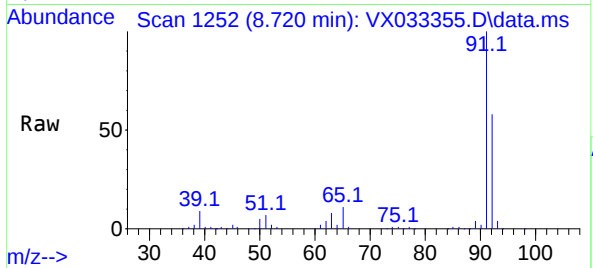




#52
Toluene
Concen: 34.477 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

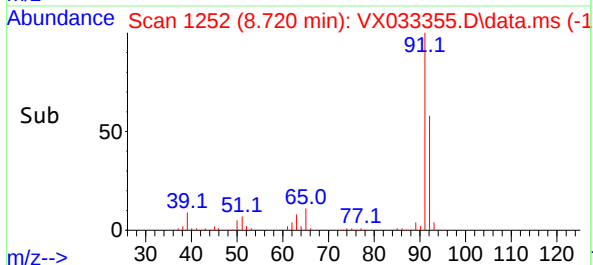
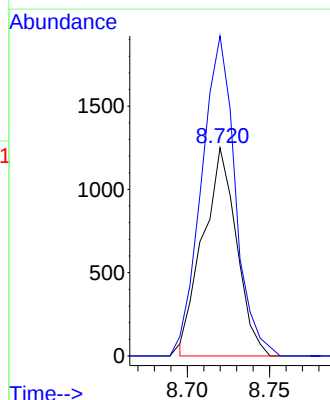
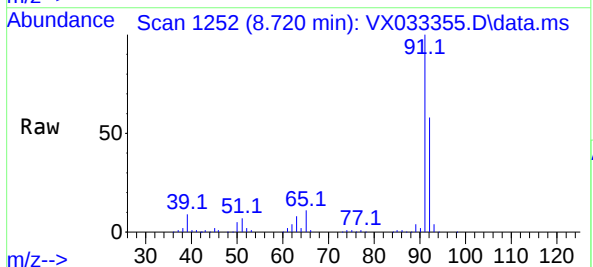
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

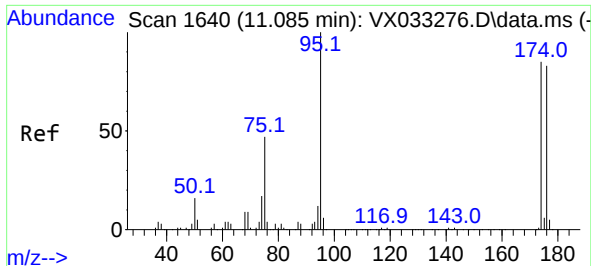
Tgt Ion: 92 Resp: 132748
Ion Ratio Lower Upper
92 100
91 173.2 138.3 207.5



#53
t-1,3-Dichloropropene
Concen: 3.200 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.262 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 75 Resp: 1775
Ion Ratio Lower Upper
75 100
77 153.8 25.1 37.7#

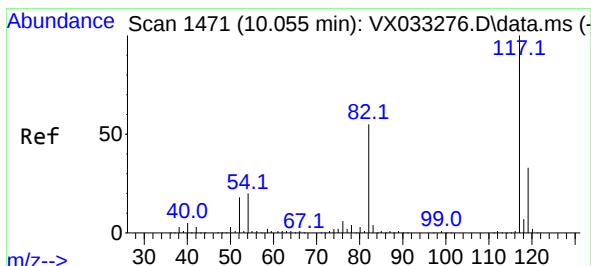
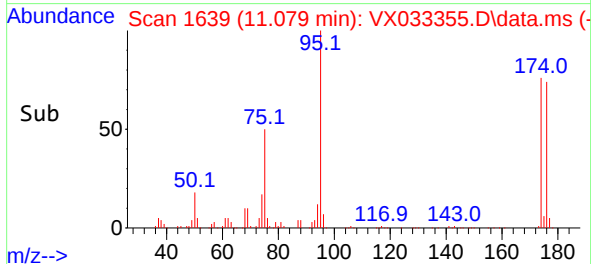
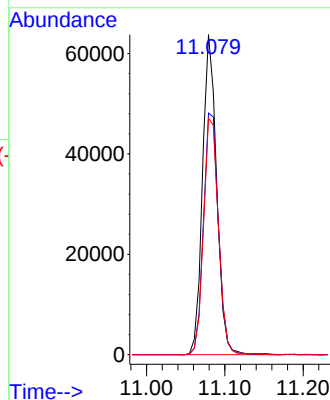
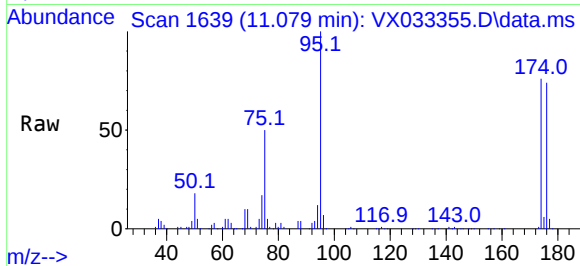




#62
4-Bromofluorobenzene
Concen: 47.642 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

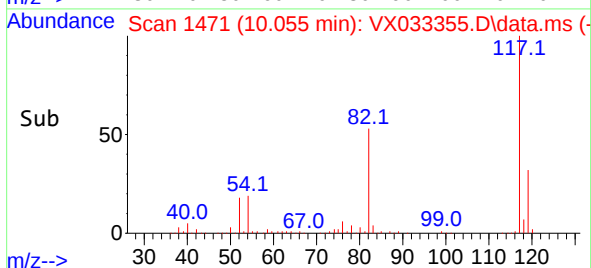
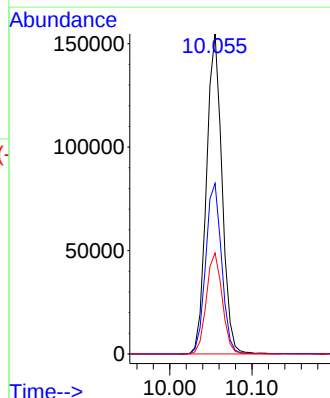
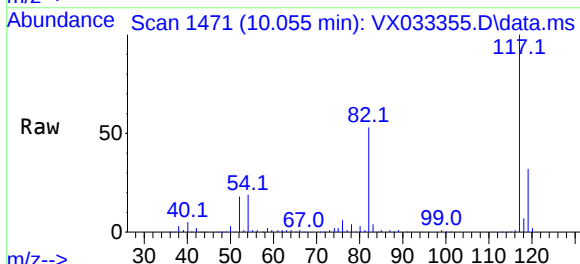
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

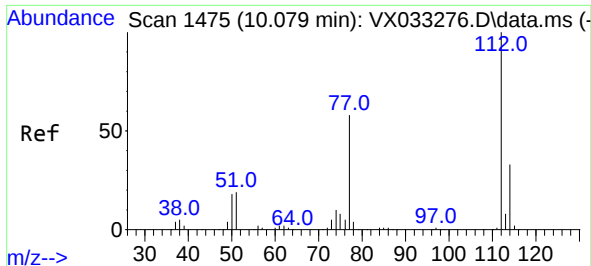
Tgt Ion: 95 Resp: 79832
Ion Ratio Lower Upper
95 100
174 79.8 0.0 164.0
176 77.8 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 117 Resp: 202910
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 31.5 25.7 38.5

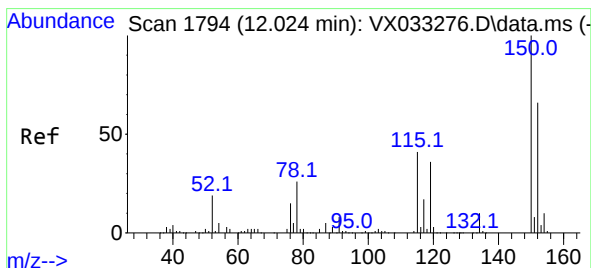
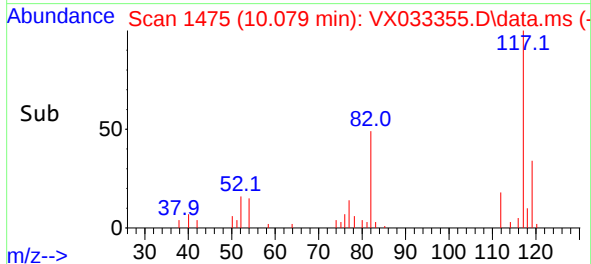
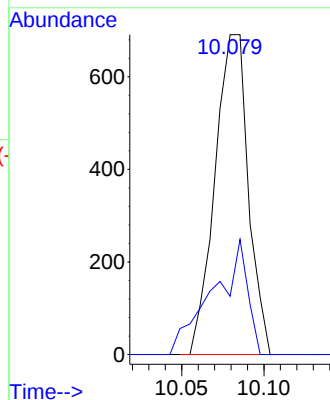
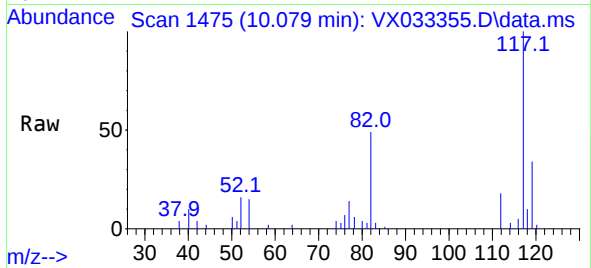




#65
Chlorobenzene
Concen: 0.238 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

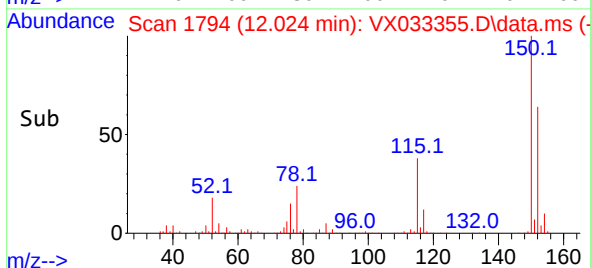
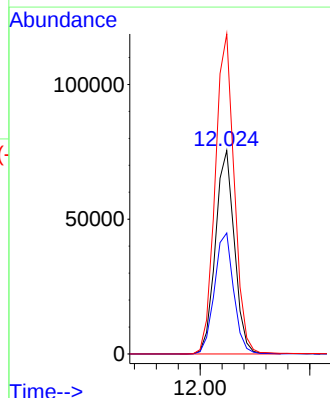
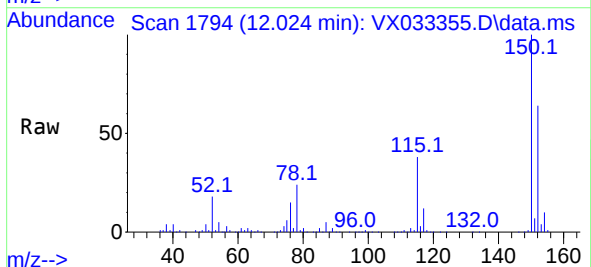
Instrument : MSVOA_X
ClientSampleId : GW-BR-04-128-142-120822

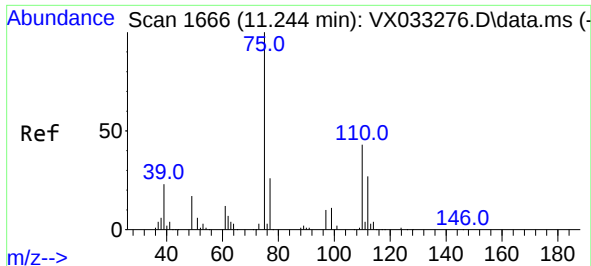
Tgt Ion:112 Resp: 977
Ion Ratio Lower Upper
112 100
114 18.2 25.4 38.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion:152 Resp: 90999
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 158.3 0.0 351.8

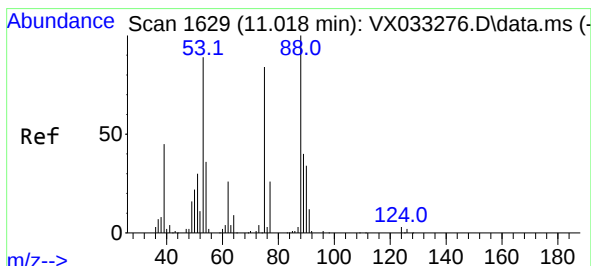
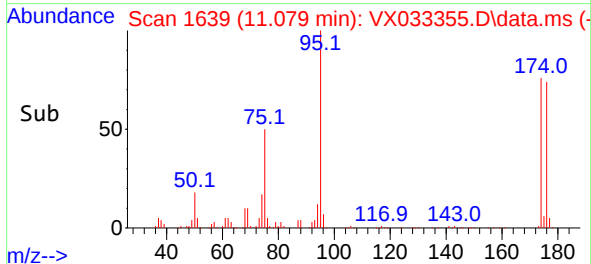
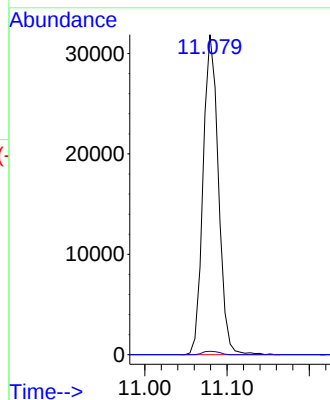
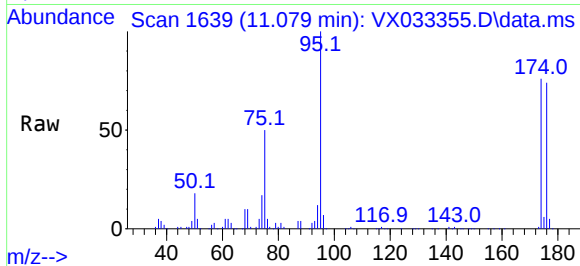




#76
1,2,3-Trichloropropane
Concen: 22.280 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

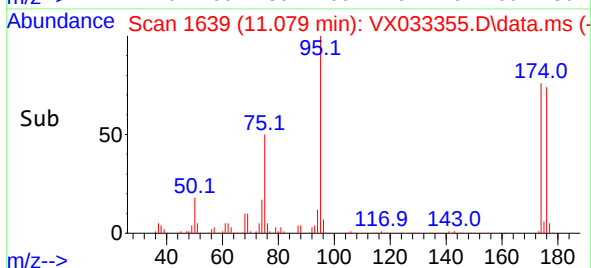
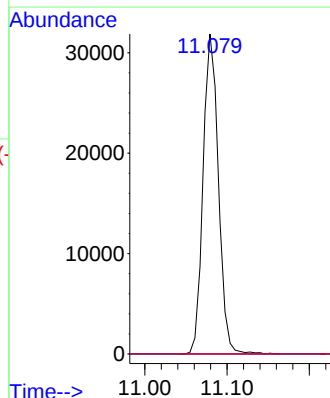
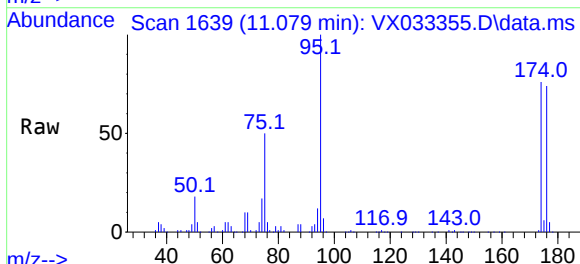
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-128-142-120822

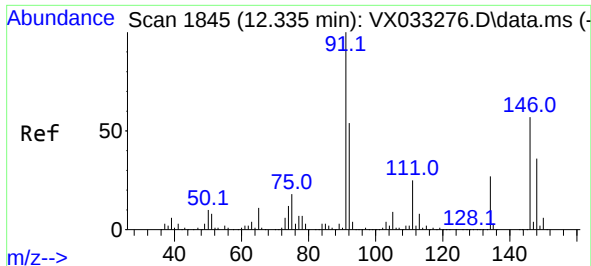
Tgt Ion: 75 Resp: 41249
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033355.D
Acq: 09 Dec 2022 18:08

Tgt Ion: 75 Resp: 41249
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#





#91
 1,2-Dichlorobenzene
 Concen: 0.325 ug/l
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033355.D
 Acq: 09 Dec 2022 18:08

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-128-142-120822

Tgt Ion:	146	Resp:	981
Ion	Ratio	Lower	Upper
146	100		
111	36.0	21.5	64.5
148	48.4	32.0	96.2

