

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033441.D
 Acq On : 15 Dec 2022 14:50
 Operator : JC/MD
 Sample : N6070-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-BR-04-226-245-121422

Quant Time: Dec 16 01:02:56 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)

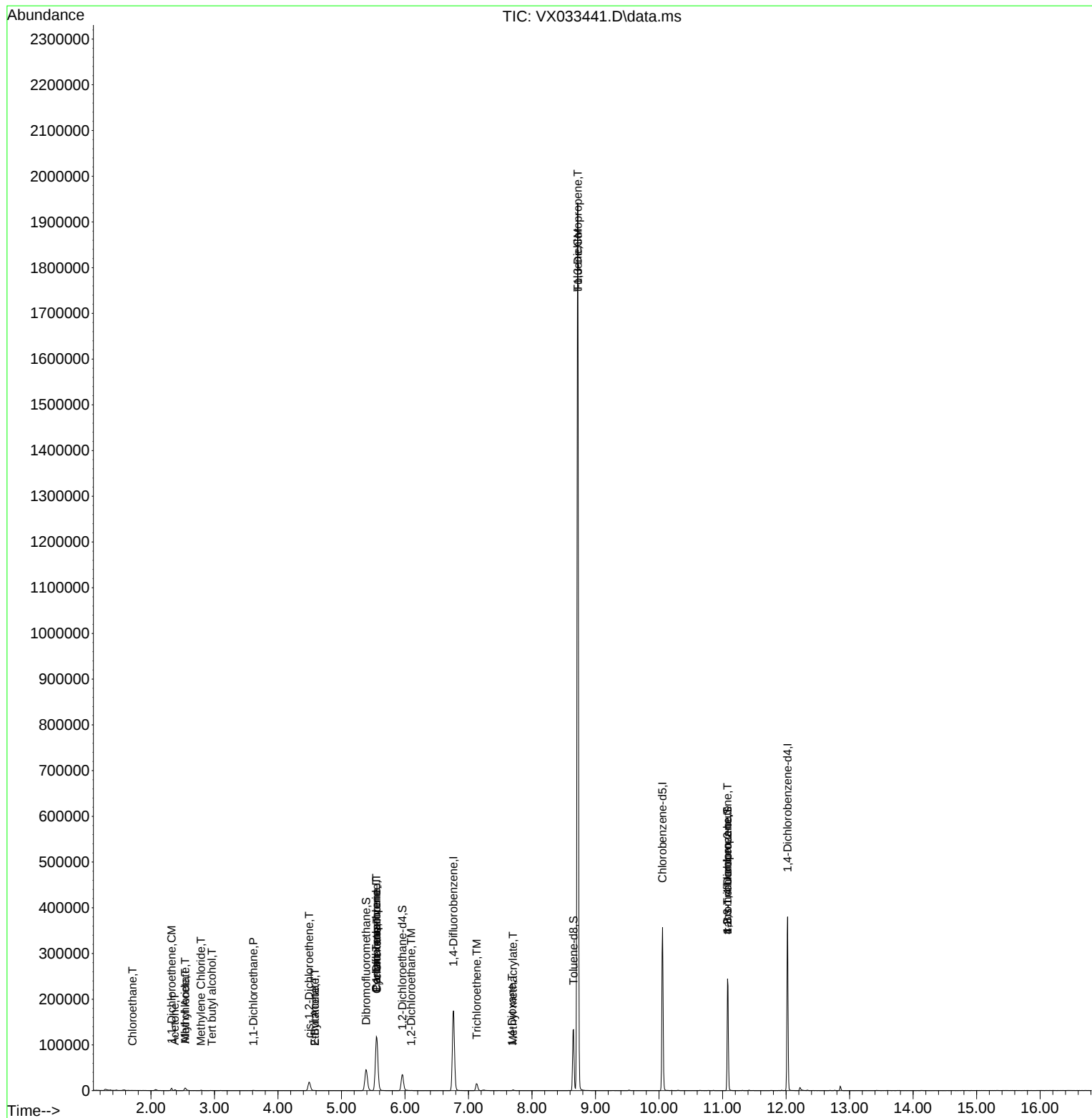
Internal Standards						
1) Pentafluorobenzene	5.550	168	115233	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	182643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	77379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36088	48.816	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.640%		
35) Dibromofluoromethane	5.385	113	40491	49.290	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.580%		
50) Toluene-d8	8.653	98	81865	47.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.280%		
62) 4-Bromofluorobenzene	11.079	95	63928	48.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.300%		
Target Compounds						Qvalue
6) Chloroethane	1.709	64	270	0.335	ug/l #	42
11) Tert butyl alcohol	2.959	59	234	1.035	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1845	1.766	ug/l	83
14) Allyl chloride	2.538	41	712	0.427	ug/l #	65
16) Acetone	2.373	43	2007	3.669	ug/l	96
18) Methyl Acetate	2.538	43	2197	1.387	ug/l #	51
20) Methylene Chloride	2.788	84	439	0.360	ug/l	90
24) 1,1-Dichloroethane	3.611	63	909	0.433	ug/l #	82
25) 2-Butanone	4.580	43	781	0.995	ug/l #	47
27) cis-1,2-Dichloroethene	4.489	96	12282	8.993	ug/l	87
31) Cyclohexane	5.556	56	2304	1.311	ug/l #	40
36) 1,1-Dichloropropene	5.550	75	8700	5.432	ug/l #	50
37) Ethyl Acetate	4.580	43	781	0.516	ug/l #	67
38) Carbon Tetrachloride	5.550	117	11639	6.486	ug/l #	17
42) 1,2-Dichloroethane	6.098	62	675	0.364	ug/l #	77
44) Trichloroethene	7.129	130	6252	4.856	ug/l	95
48) Methyl methacrylate	7.702	41	810	0.644	ug/l	94
49) 1,4-Dioxane	7.683	88	20	0.698	ug/l #	26
52) Toluene	8.720	92	739140	244.804	ug/l	99
53) t-1,3-Dichloropropene	8.720	75	8714	6.850	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	33636	21.366	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33636	66.462	ug/l #	6

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
Data File : VX033441.D
Acq On : 15 Dec 2022 14:50
Operator : JC/MD
Sample : N6070-01RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

Quant Time: Dec 16 01:02:56 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

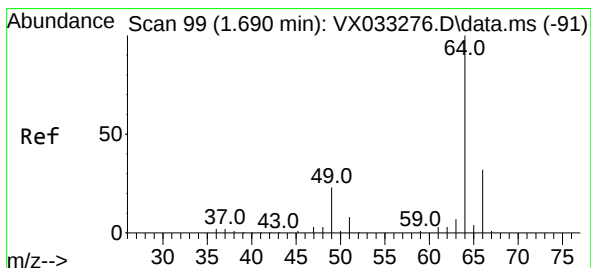
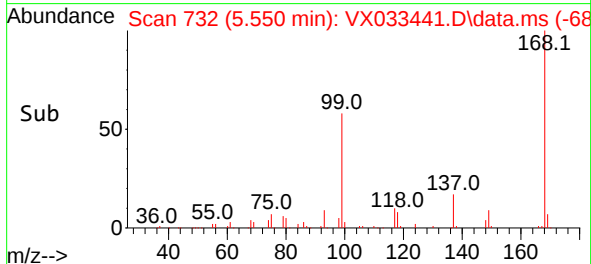
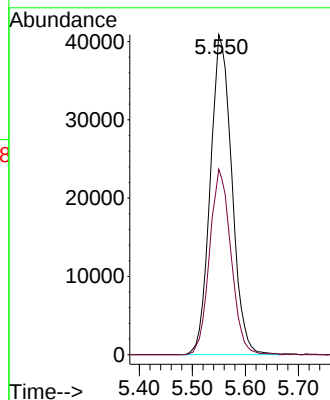
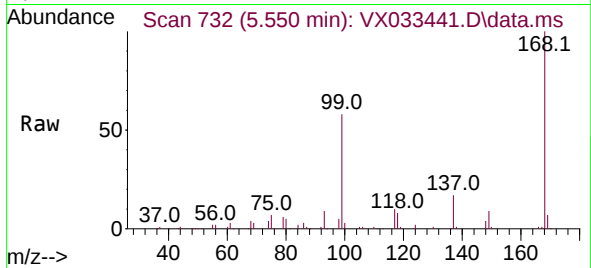




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

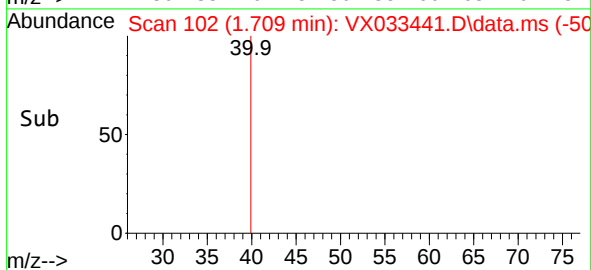
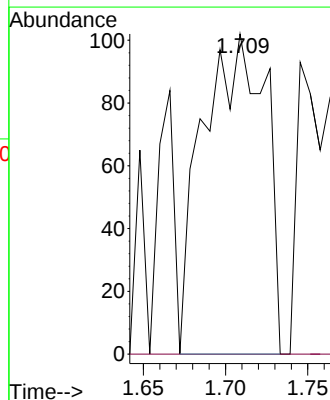
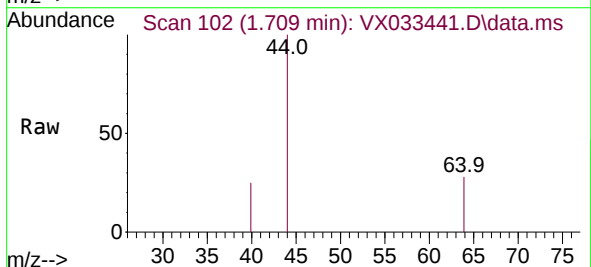
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

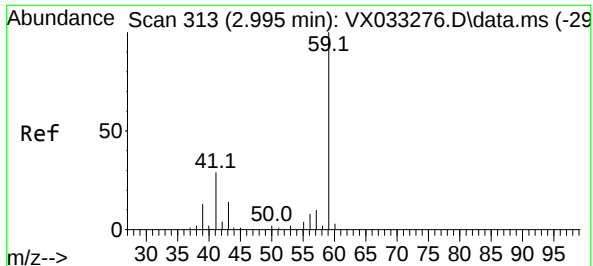
Tgt Ion:168 Resp: 115233
Ion Ratio Lower Upper
168 100
99 58.0 46.1 69.1



#6
Chloroethane
Concen: 0.335 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.018 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion: 64 Resp: 270
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 1.035 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.036 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

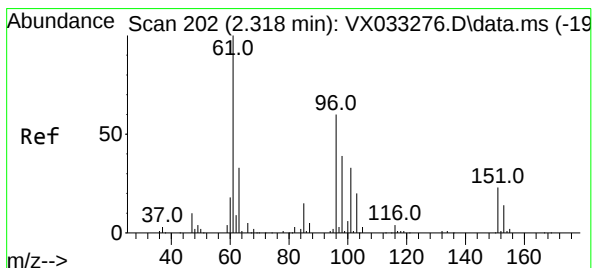
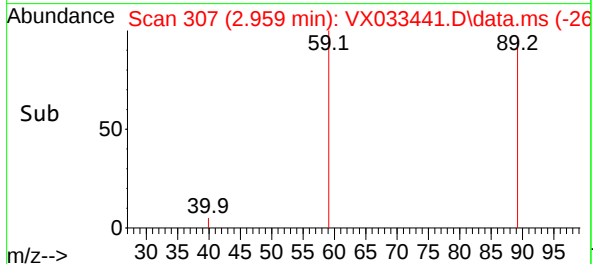
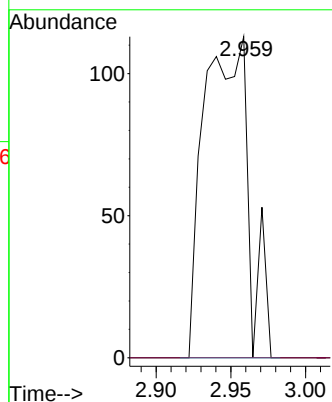
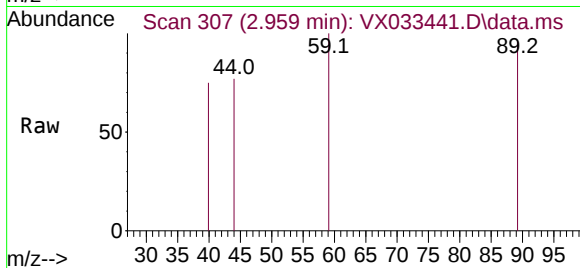
GW-BR-04-226-245-121422

Tgt Ion: 59 Resp: 234

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 1.766 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

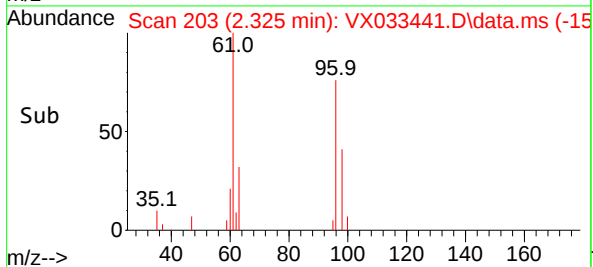
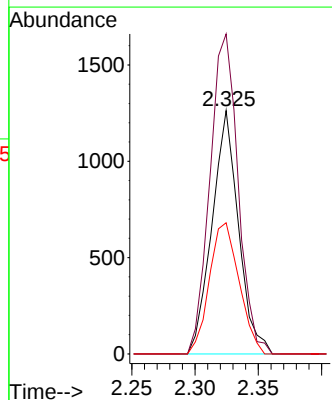
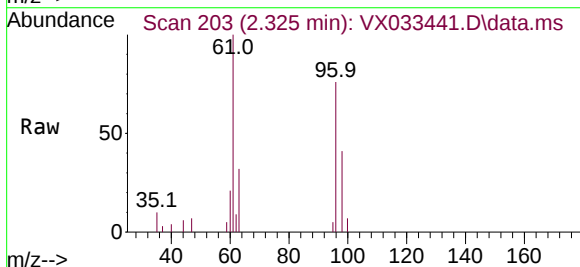
Tgt Ion: 96 Resp: 1845

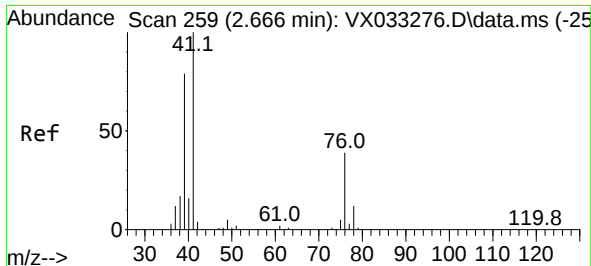
Ion Ratio Lower Upper

96 100

61 131.5 125.1 187.7

98 53.9 50.6 76.0





#14

Allyl chloride

Concen: 0.427 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.128 min

Lab File: VX033441.D

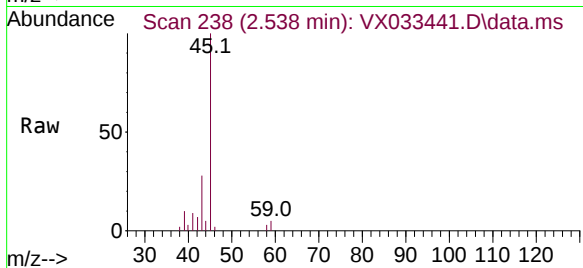
Acq: 15 Dec 2022 14:50

Instrument :

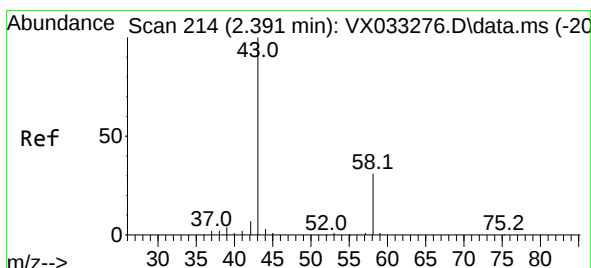
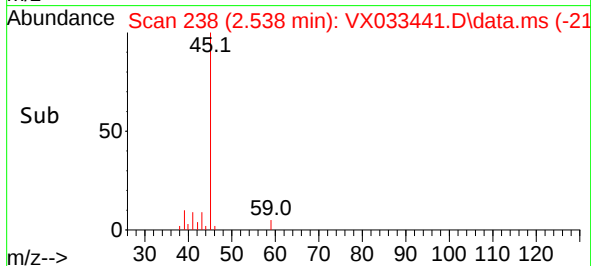
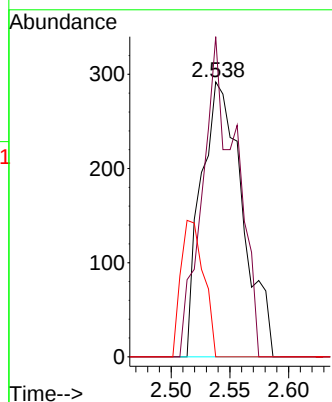
MSVOA_X

ClientSampleId :

GW-BR-04-226-245-121422



Tgt Ion: 41	Resp: 712
Ion Ratio	Lower Upper
41	100
39	95.9 61.4 92.2#
76	0.0 29.2 43.8#



#16

Acetone

Concen: 3.669 ug/l

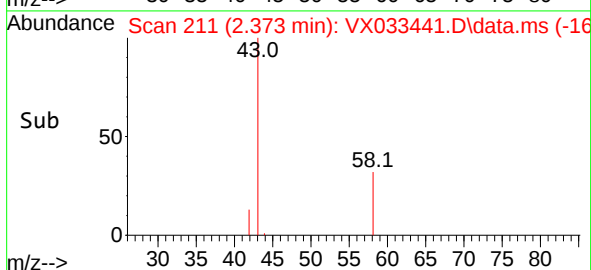
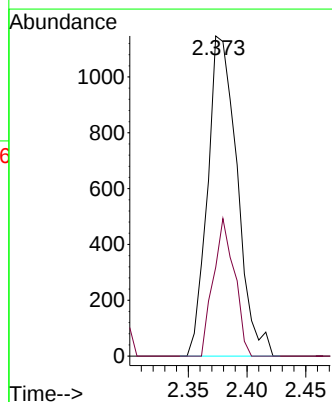
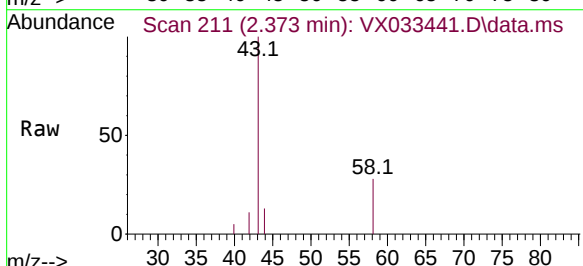
RT: 2.373 min Scan# 211

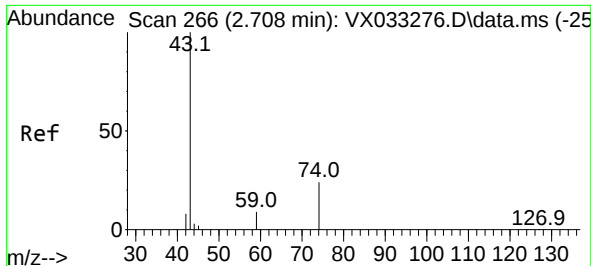
Delta R.T. -0.018 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Tgt Ion: 43	Resp: 2007
Ion Ratio	Lower Upper
43	100
58	27.7 23.8 35.8





#18

Methyl Acetate

Concen: 1.387 ug/l

RT: 2.538 min Scan# 21

Delta R.T. -0.171 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

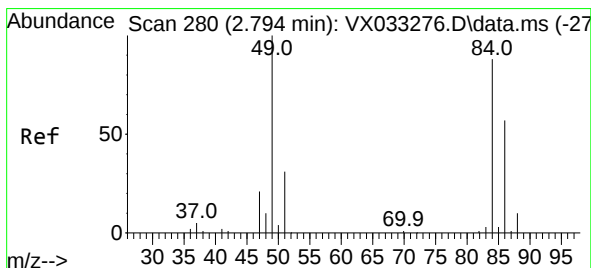
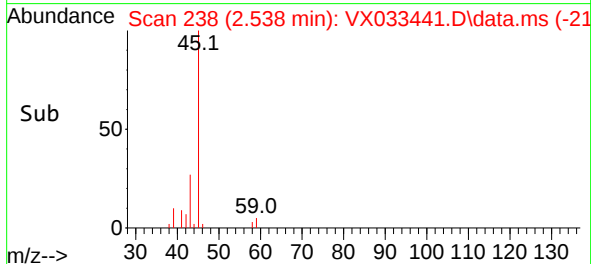
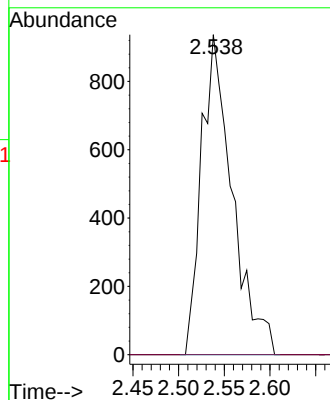
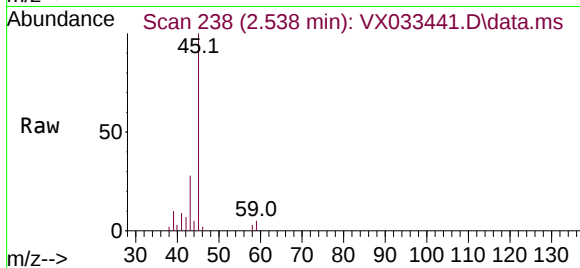
GW-BR-04-226-245-121422

Tgt Ion: 43 Resp: 2197

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.0#



#20

Methylene Chloride

Concen: 0.360 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.006 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Tgt Ion: 84 Resp: 439

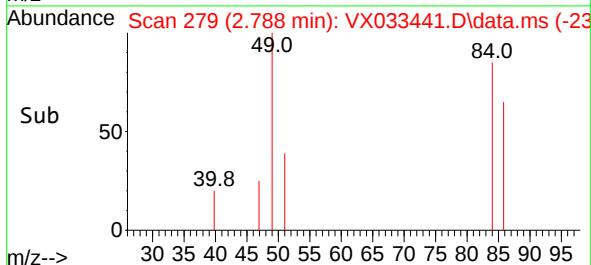
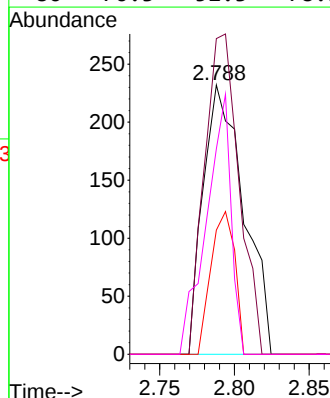
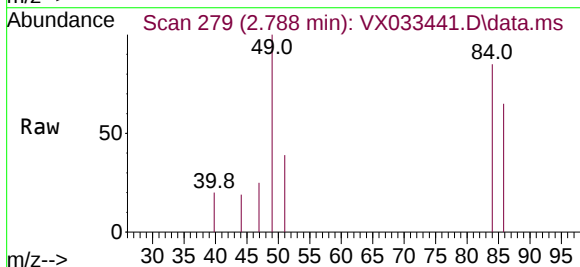
Ion Ratio Lower Upper

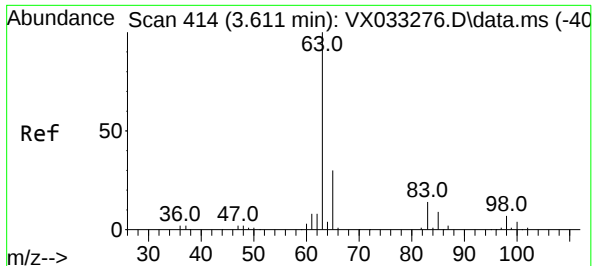
84 100

49 117.2 101.0 151.6

51 46.1 31.1 46.7

86 76.3 52.3 78.5

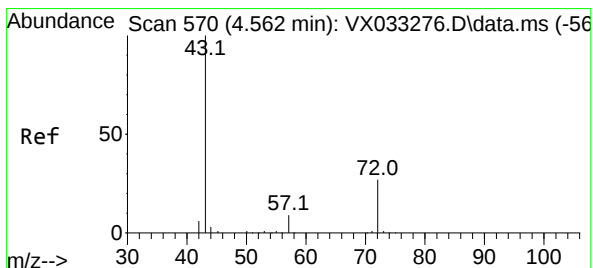
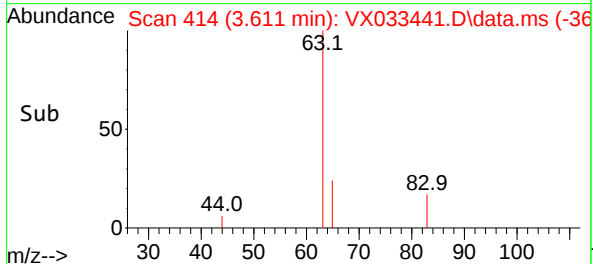
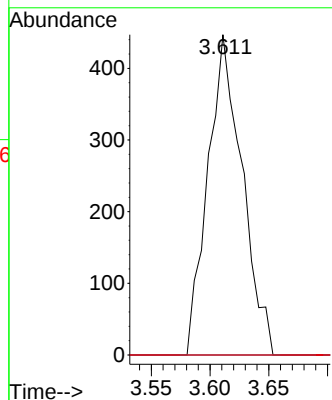
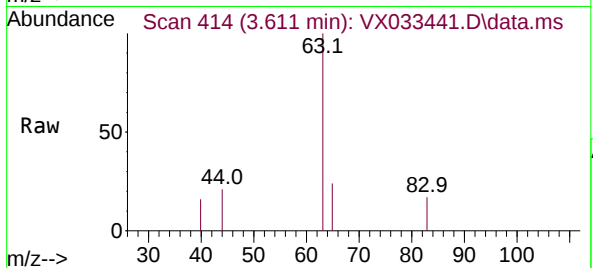




#24
1,1-Dichloroethane
Concen: 0.433 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.000 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

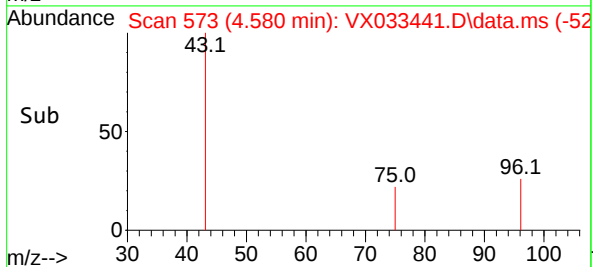
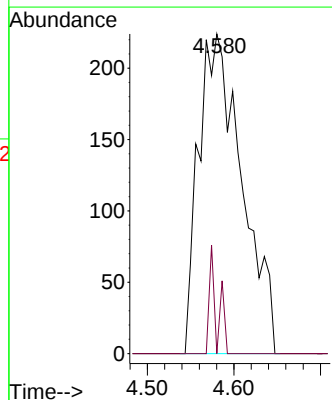
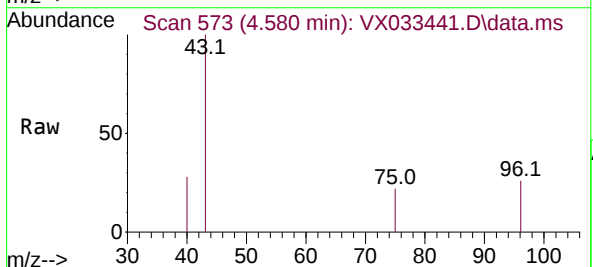
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

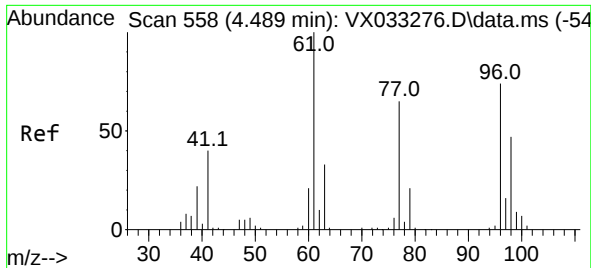
Tgt Ion: 63 Resp: 909
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#25
2-Butanone
Concen: 0.995 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion: 43 Resp: 781
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.2#





#27

cis-1,2-Dichloroethene

Concen: 8.993 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-226-245-121422

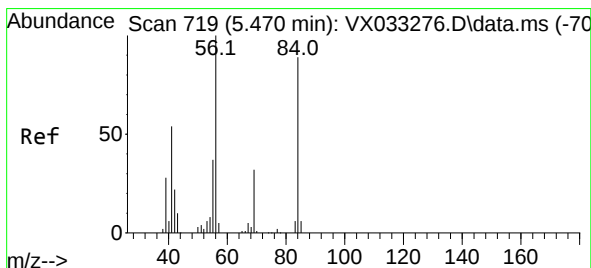
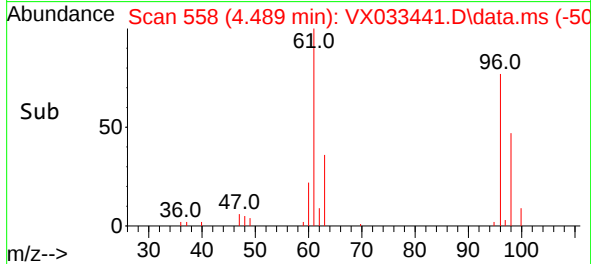
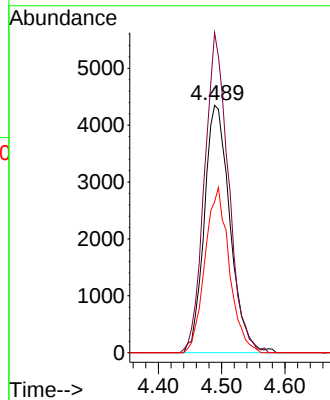
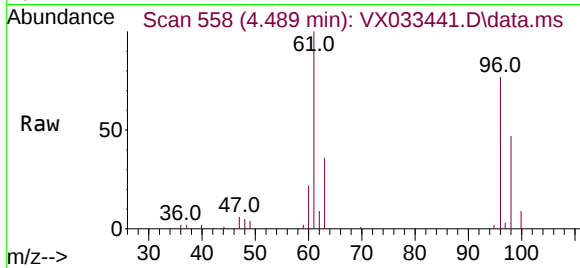
Tgt Ion: 96 Resp: 12282

Ion Ratio Lower Upper

96 100

61 120.8 0.0 286.0

98 63.1 0.0 129.6



#31

Cyclohexane

Concen: 1.311 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

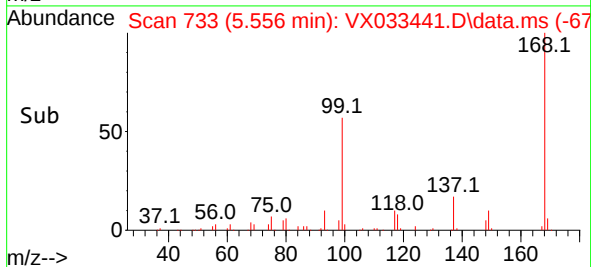
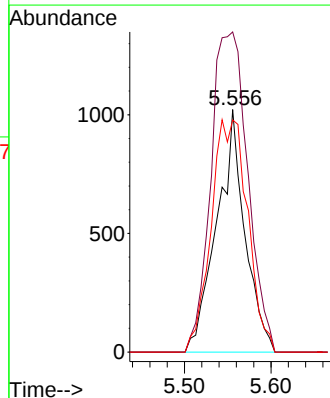
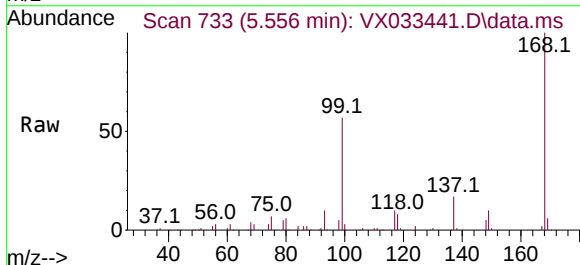
Tgt Ion: 56 Resp: 2304

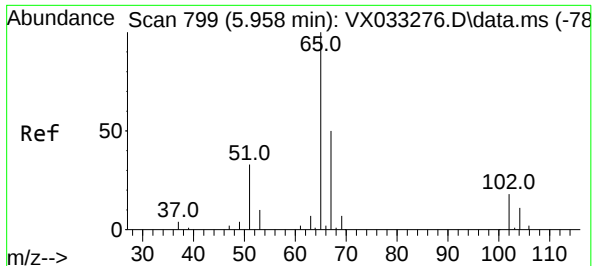
Ion Ratio Lower Upper

56 100

69 132.0 24.1 36.1#

84 95.7 66.9 100.3





#33

1,2-Dichloroethane-d4

Concen: 48.816 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

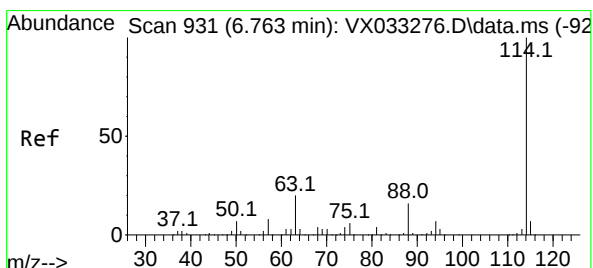
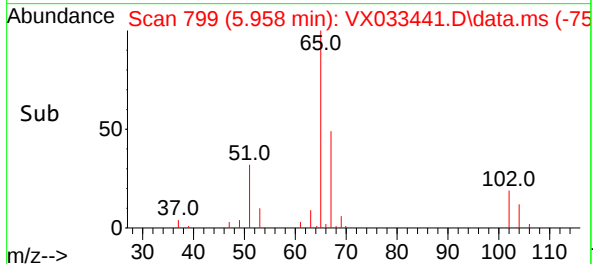
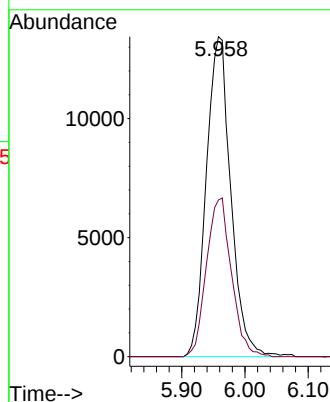
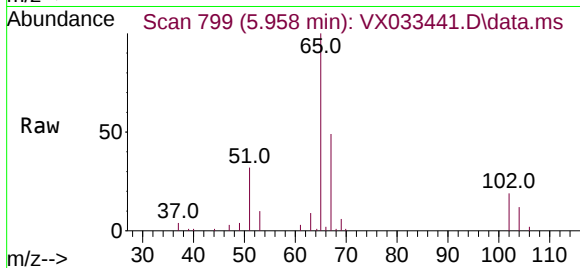
GW-BR-04-226-245-121422

Tgt Ion: 65 Resp: 36088

Ion Ratio Lower Upper

65 100

67 50.7 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: VX033441.D

Acq: 15 Dec 2022 14:50

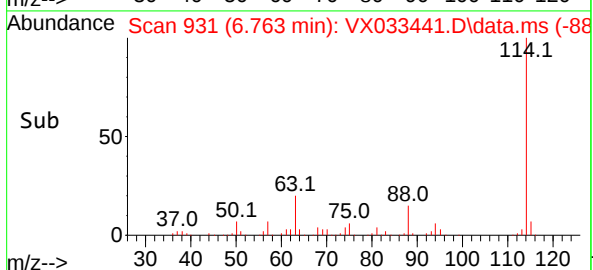
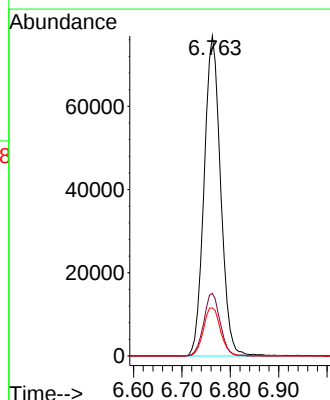
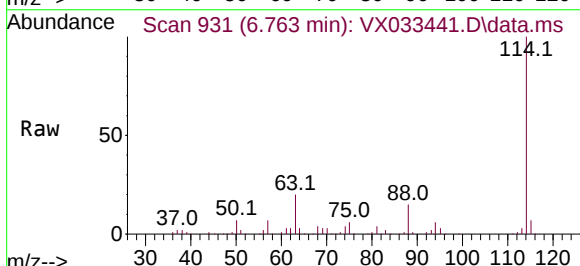
Tgt Ion: 114 Resp: 182643

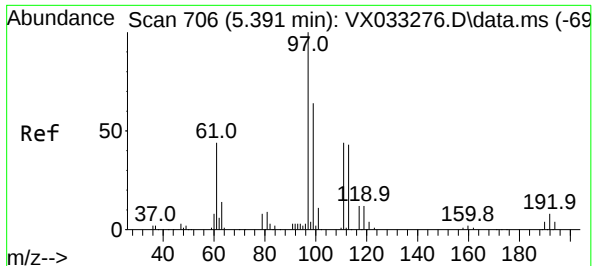
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 15.0 0.0 33.4

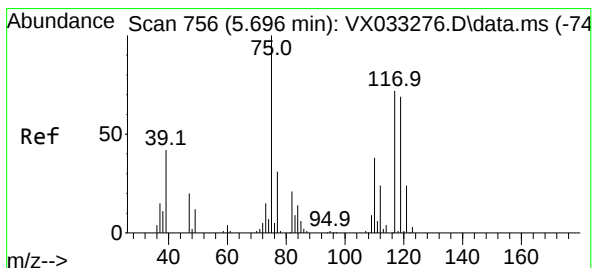
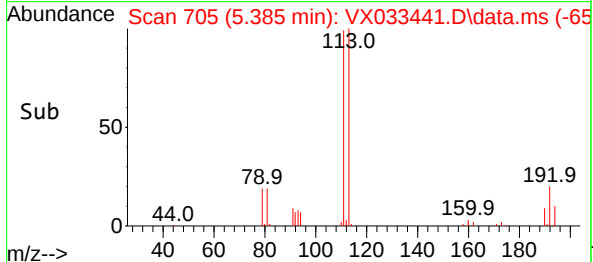
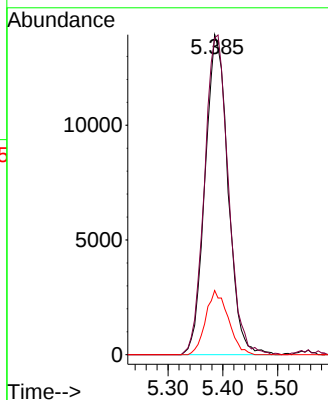
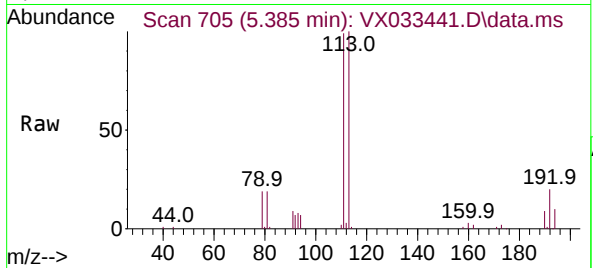




#35
Dibromofluoromethane
Concen: 49.290 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

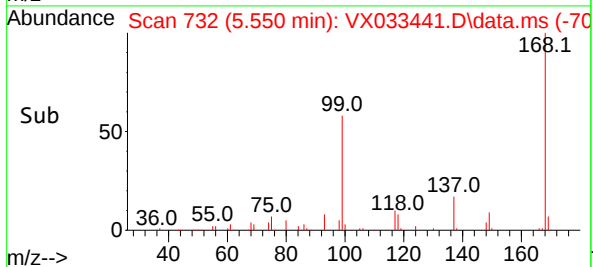
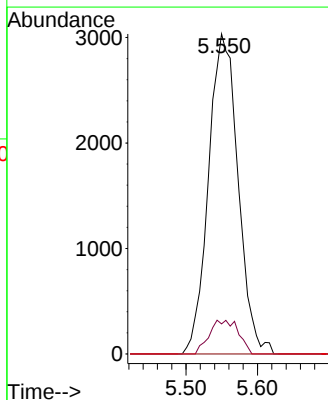
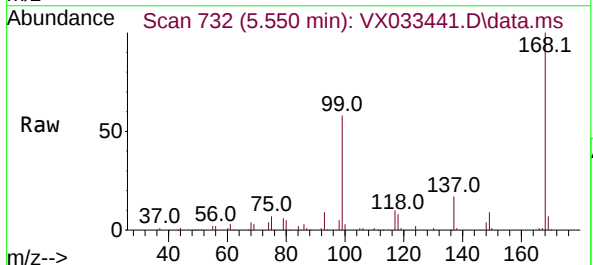
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

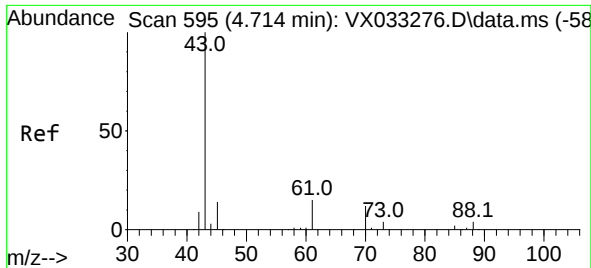
Tgt Ion:113 Resp: 40491
Ion Ratio Lower Upper
113 100
111 103.7 82.4 123.6
192 19.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.432 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion: 75 Resp: 8700
Ion Ratio Lower Upper
75 100
110 10.4 18.4 55.2#
77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 0.516 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-226-245-121422

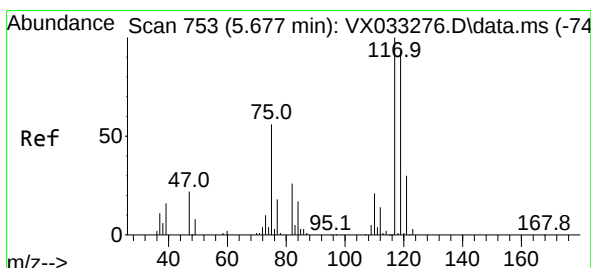
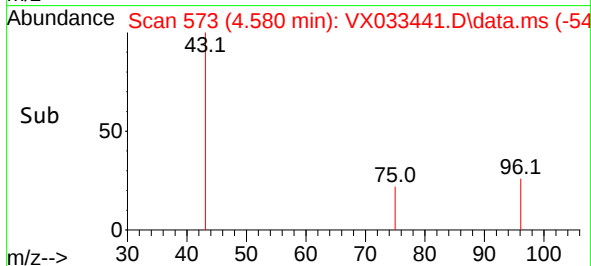
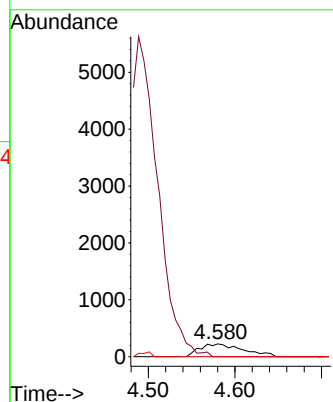
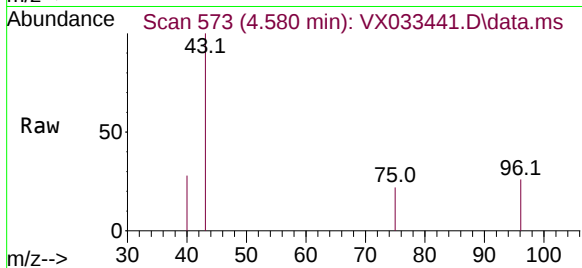
Tgt Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 9.1 13.7#



#38

Carbon Tetrachloride

Concen: 6.486 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

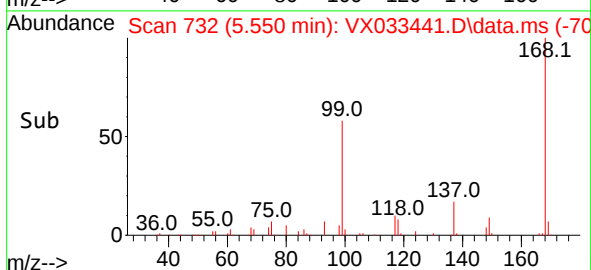
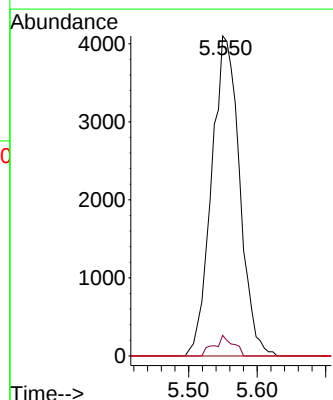
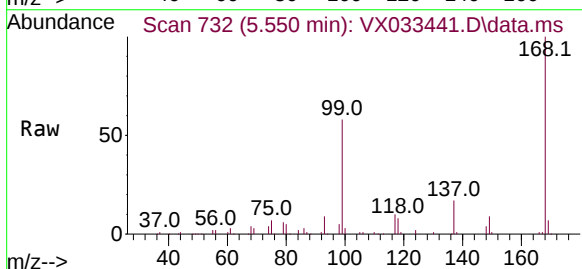
Tgt Ion: 117 Resp: 11639

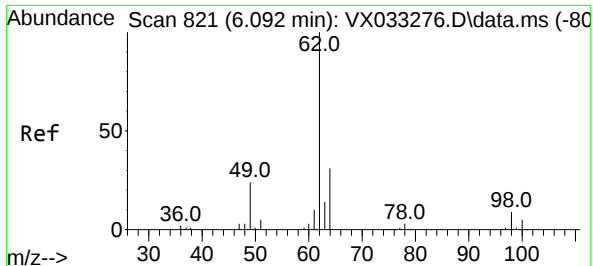
Ion Ratio Lower Upper

117 100

119 6.5 77.2 115.8#

121 0.0 25.8 38.6#





#42

1,2-Dichloroethane

Concen: 0.364 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

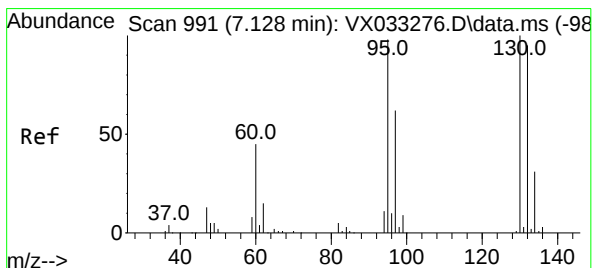
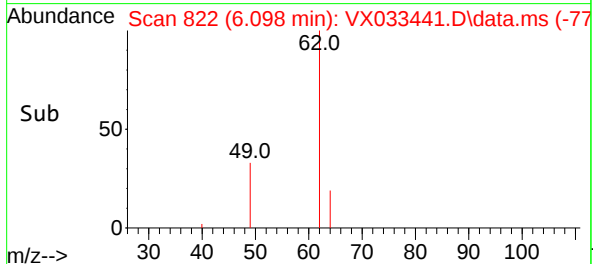
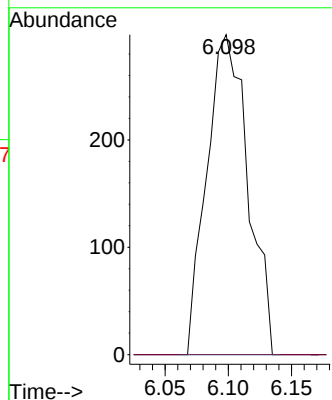
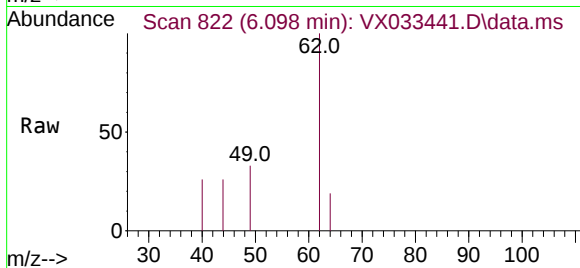
GW-BR-04-226-245-121422

Tgt Ion: 62 Resp: 675

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 4.856 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX033441.D

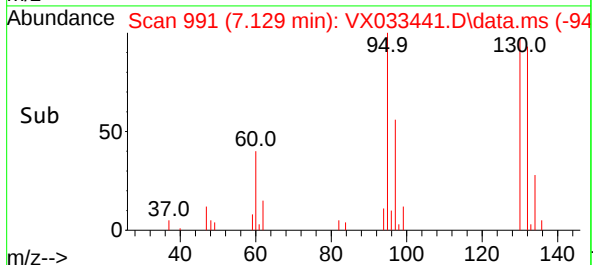
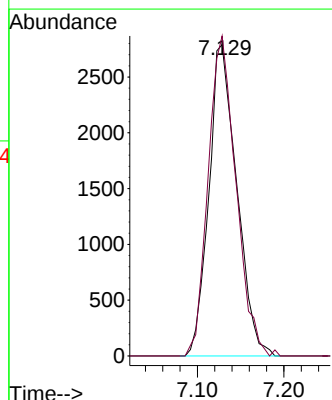
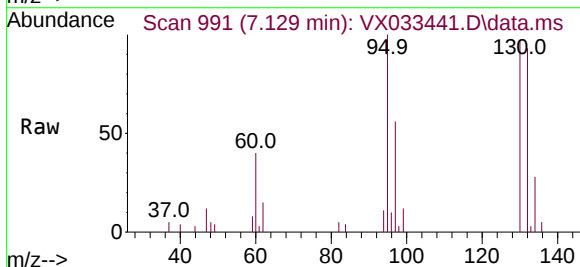
Acq: 15 Dec 2022 14:50

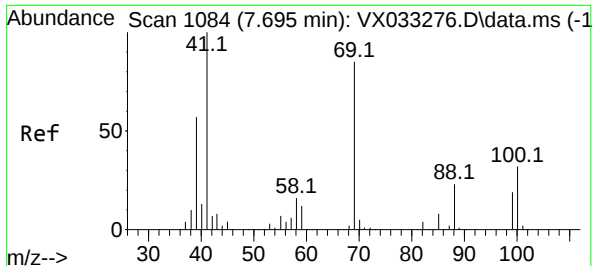
Tgt Ion:130 Resp: 6252

Ion Ratio Lower Upper

130 100

95 102.8 0.0 195.2





#48

Methyl methacrylate

Concen: 0.644 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

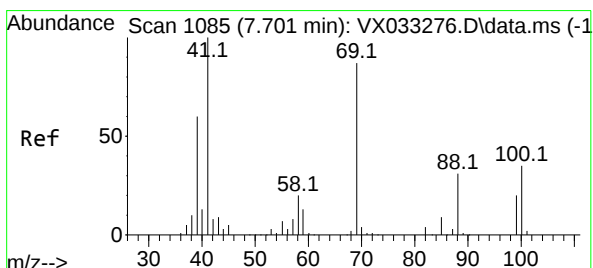
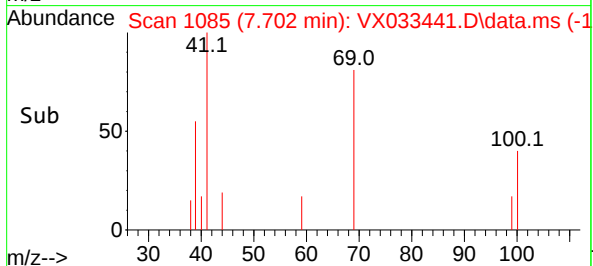
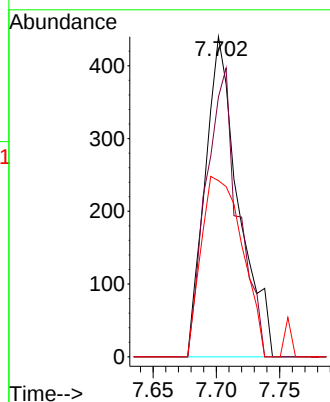
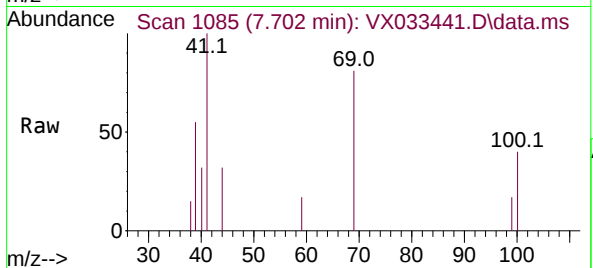
Instrument :

MSVOA_X

ClientSampleId :

GW-BR-04-226-245-121422

Tgt Ion:	41	Resp:	810
Ion	Ratio	Lower	Upper
41	100		
69	86.8	65.1	97.7
39	69.0	51.9	77.9



#49

1,4-Dioxane

Concen: 0.698 ug/l

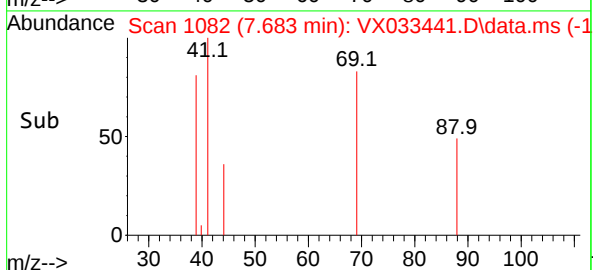
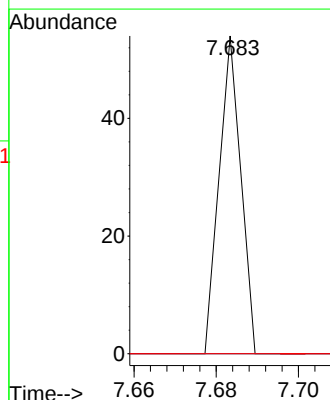
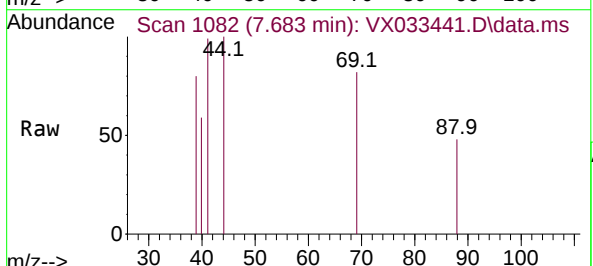
RT: 7.683 min Scan# 1082

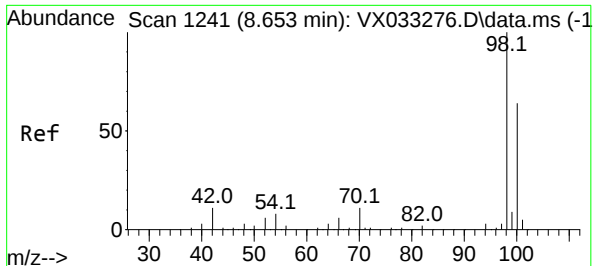
Delta R.T. -0.018 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Tgt Ion:	88	Resp:	20
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	0.0	51.7	77.5#

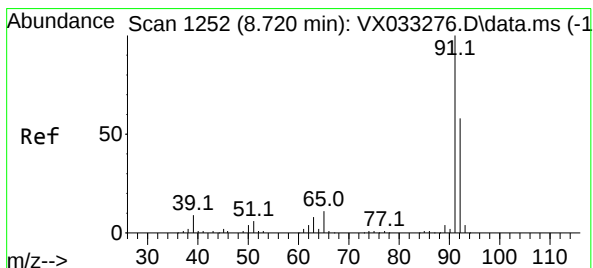
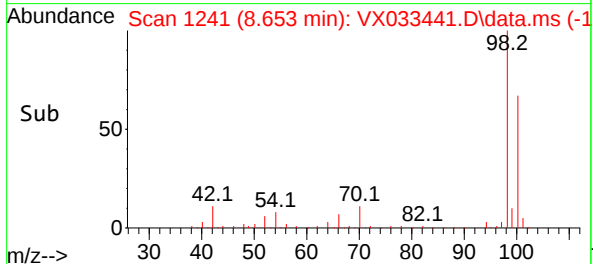
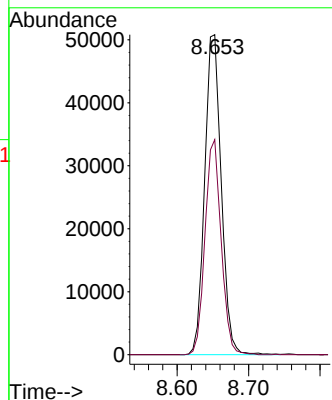
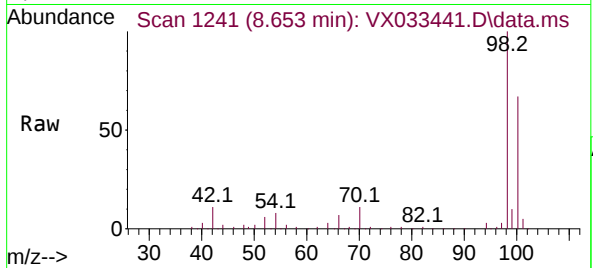




#50
Toluene-d8
Concen: 47.637 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

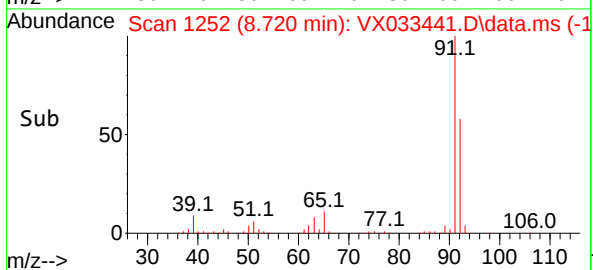
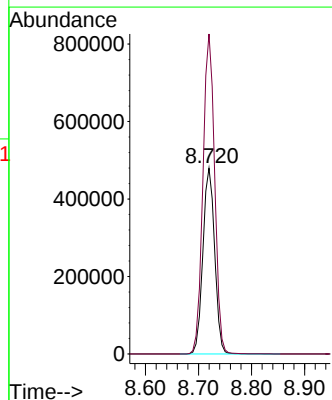
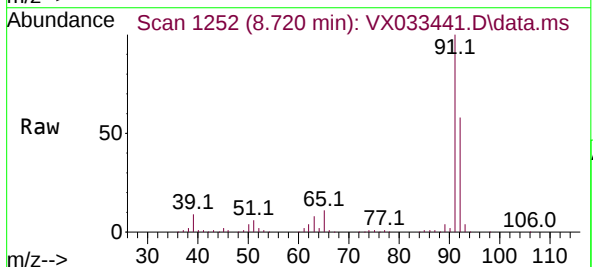
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

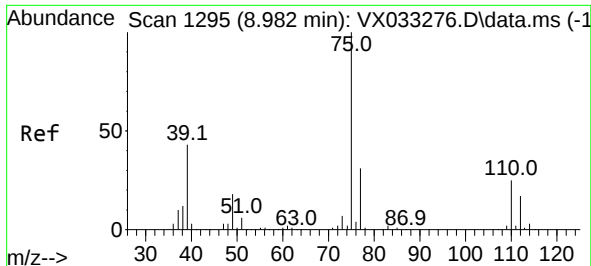
Tgt Ion: 98 Resp: 81865
Ion Ratio Lower Upper
98 100
100 65.5 50.9 76.3



#52
Toluene
Concen: 244.804 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion: 92 Resp: 739140
Ion Ratio Lower Upper
92 100
91 171.8 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 6.850 ug/l

RT: 8.720 min Scan# 1

Delta R.T. -0.262 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

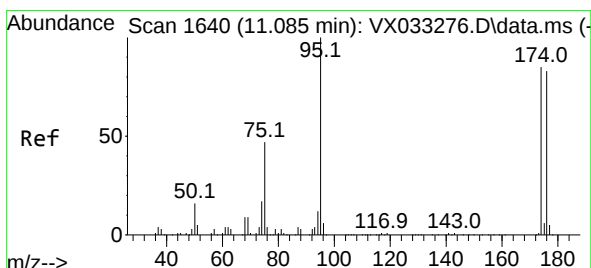
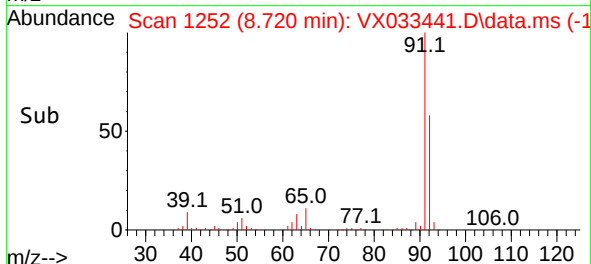
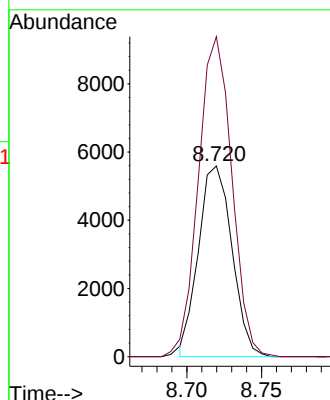
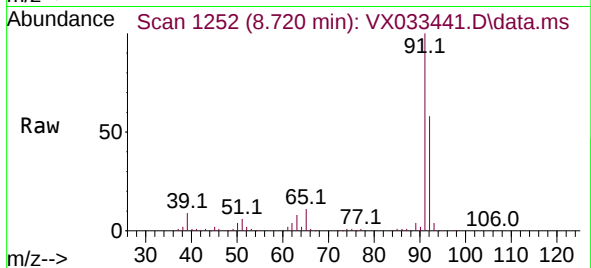
GW-BR-04-226-245-121422

Tgt Ion: 75 Resp: 8714

Ion Ratio Lower Upper

75 100

77 167.8 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 48.651 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033441.D

Acq: 15 Dec 2022 14:50

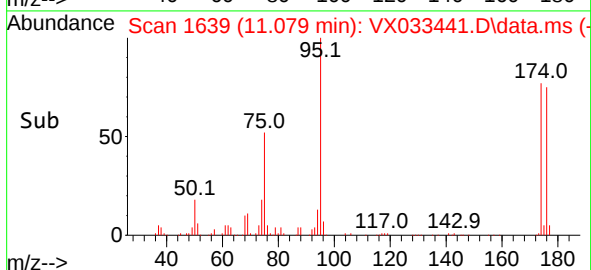
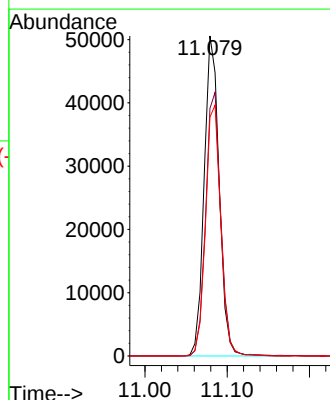
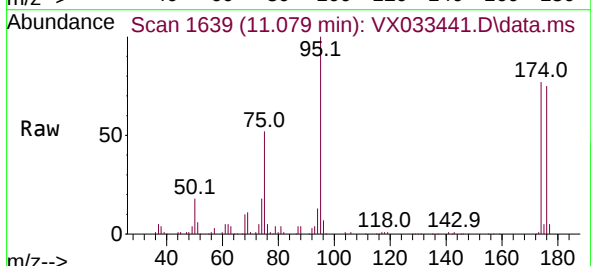
Tgt Ion: 95 Resp: 63928

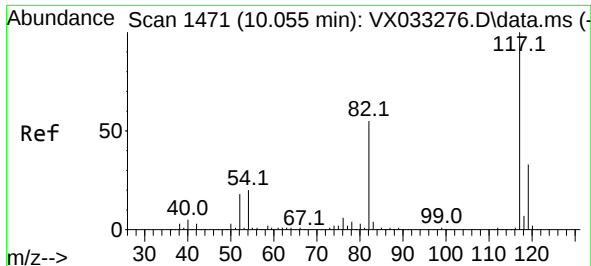
Ion Ratio Lower Upper

95 100

174 83.2 0.0 164.0

176 79.9 0.0 154.4

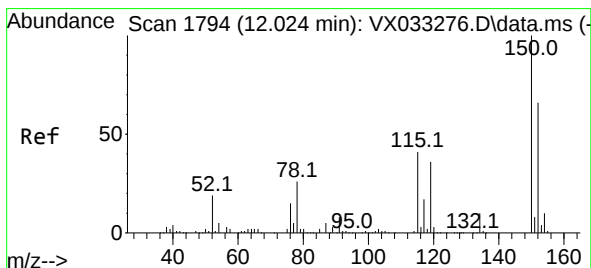
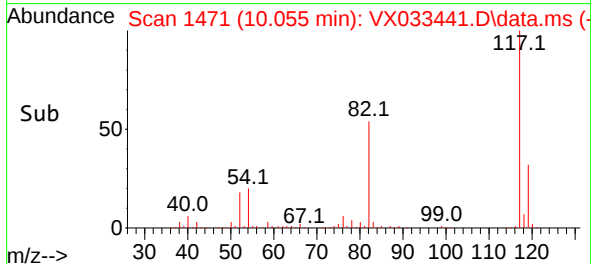
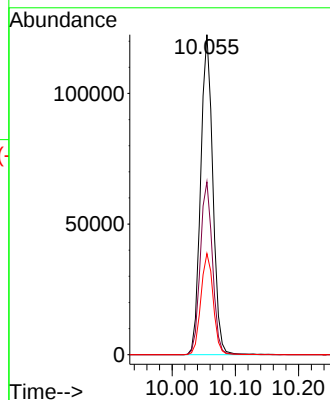
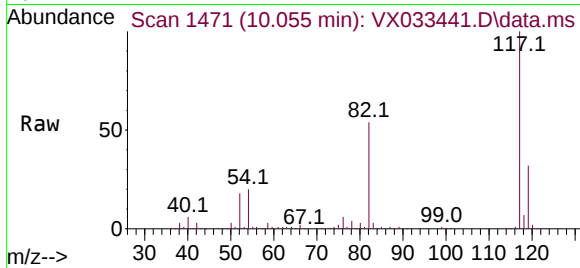




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

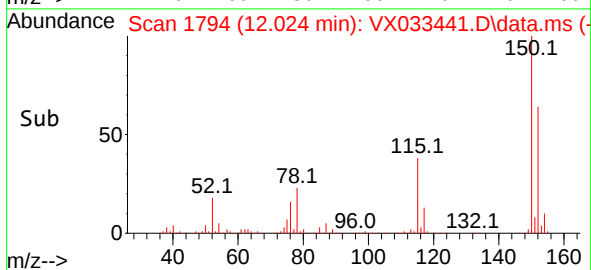
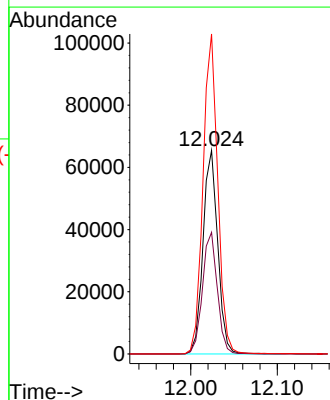
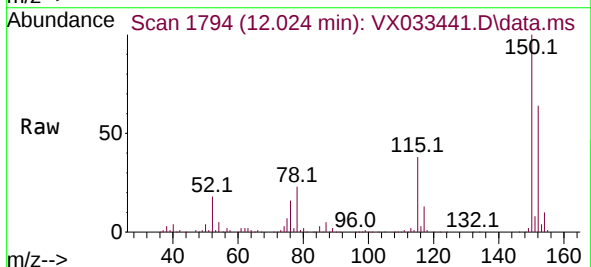
Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

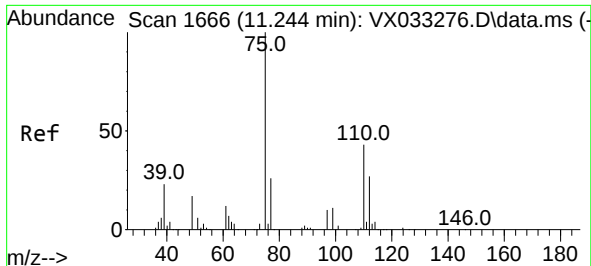
Tgt Ion:117 Resp: 164061
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion:152 Resp: 77379
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 157.0 0.0 351.8

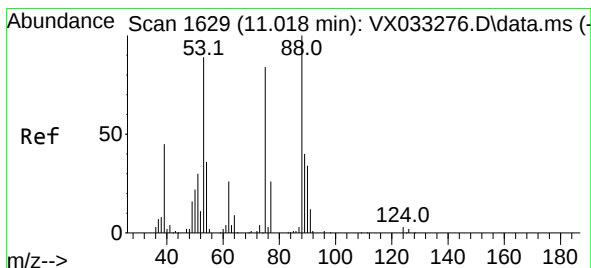
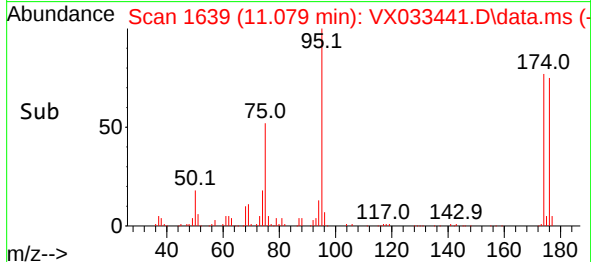
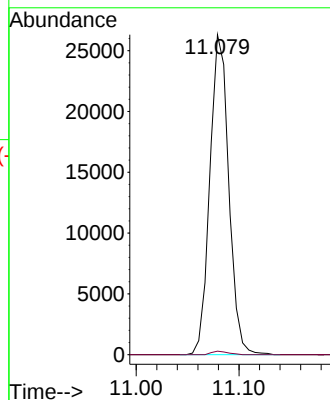
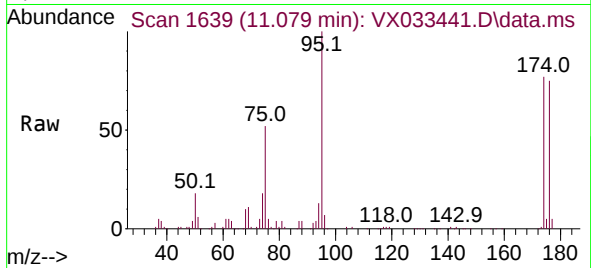




#76
1,2,3-Trichloropropane
Concen: 21.366 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Instrument :
MSVOA_X
ClientSampleId :
GW-BR-04-226-245-121422

Tgt Ion: 75 Resp: 33636
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.462 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033441.D
Acq: 15 Dec 2022 14:50

Tgt Ion: 75 Resp: 33636
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

