

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025496.D
 Acq On : 03 Dec 2021 20:37
 Operator : JC/MD
 Sample : M4930-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Dec 04 06:54:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

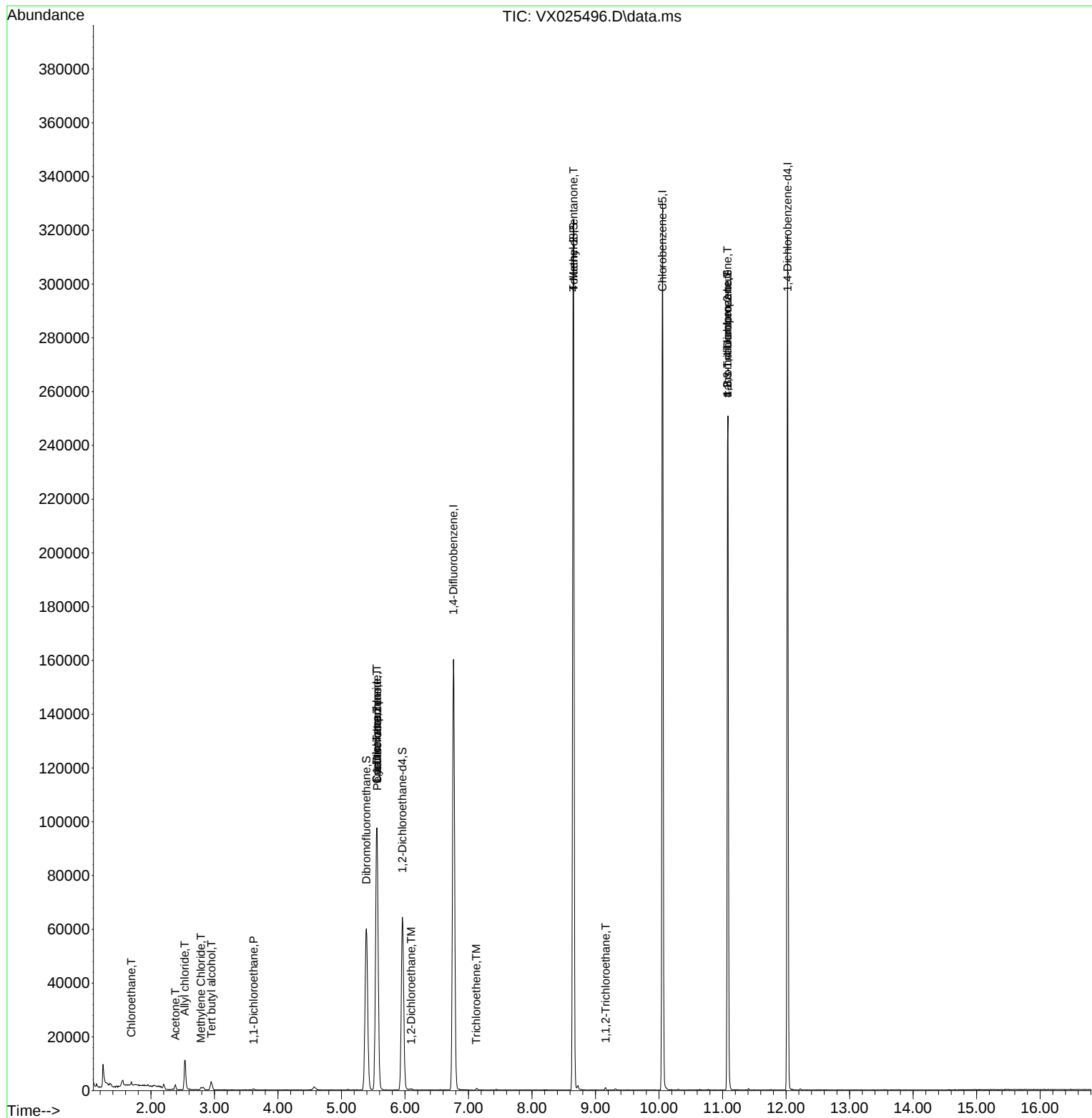
Internal Standards						
1) Pentafluorobenzene	5.562	168	99975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	60378	57.295	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.600%			
35) Dibromofluoromethane	5.391	113	52576	50.040	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.080%			
50) Toluene-d8	8.653	98	198289	50.194	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.380%			
62) 4-Bromofluorobenzene	11.079	95	69028	46.188	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.380%			
Target Compounds						Qvalue
6) Chloroethane	1.691	64	1163	1.431	ug/l	95
11) Tert butyl alcohol	2.953	59	2409	0.312	ug/l #	74
14) Allyl chloride	2.532	41	1093	0.652	ug/l #	60
16) Acetone	2.386	43	1976	3.375	ug/l	98
20) Methylene Chloride	2.788	84	461	0.419	ug/l #	87
24) 1,1-Dichloroethane	3.617	63	571	0.327	ug/l #	83
31) Cyclohexane	5.556	56	2049	1.258	ug/l #	30
36) 1,1-Dichloropropene	5.556	75	6985	4.675	ug/l #	49
38) Carbon Tetrachloride	5.556	117	9481	5.762	ug/l #	16
42) 1,2-Dichloroethane	6.099	62	667	0.453	ug/l #	77
44) Trichloroethene	7.123	130	333	0.253	ug/l	78
51) 4-Methyl-2-Pentanone	8.653	43	846	0.477	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	310	0.264	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	33709	24.532	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	33709	61.799	ug/l #	9
95) Naphthalene	13.780	128	41	Below Cal	#	69

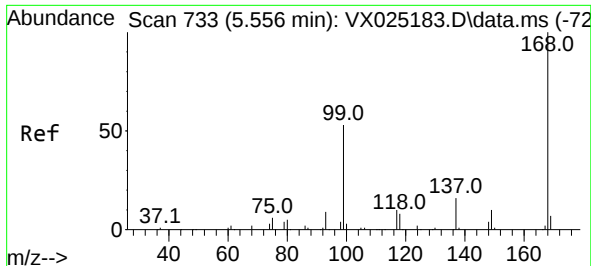
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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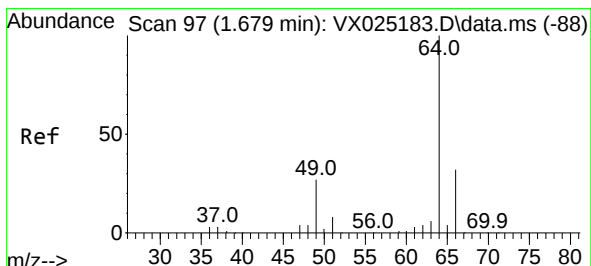
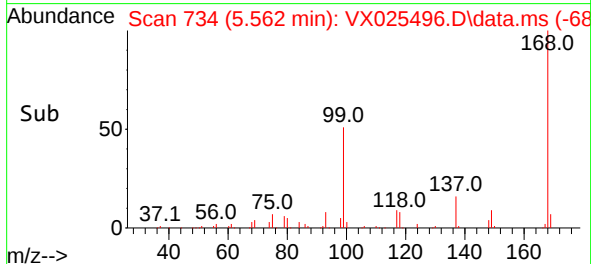
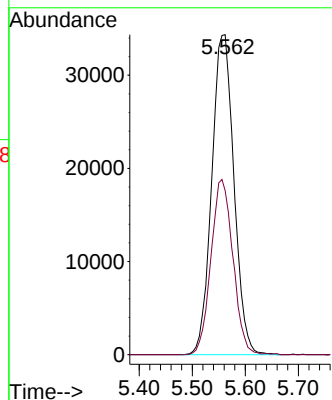
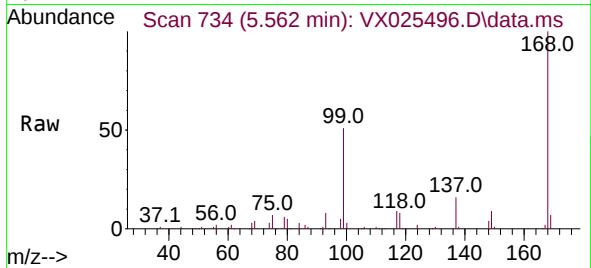




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

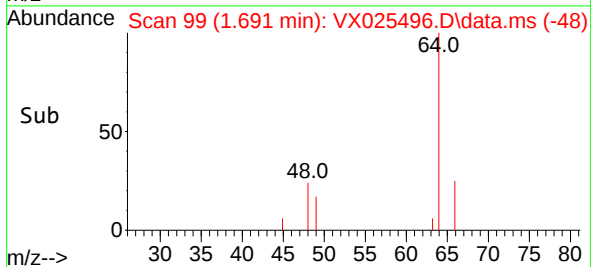
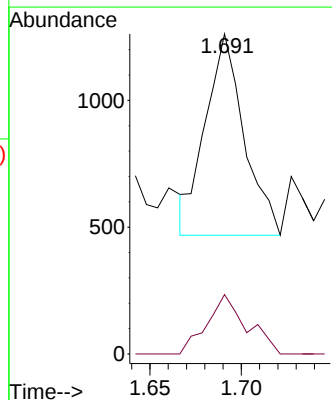
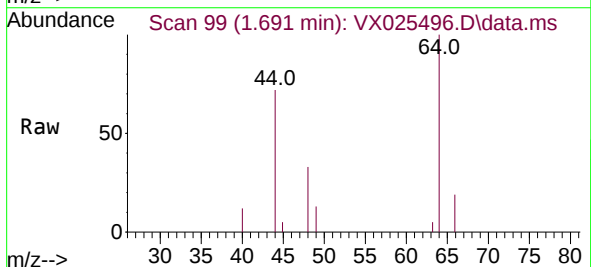
Instrument :
MSVOA_X
ClientSampleId :
MW-1

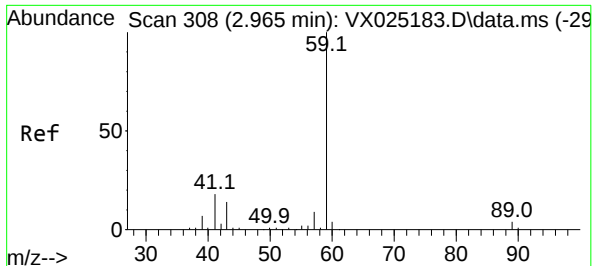
Tgt Ion:168 Resp: 99975
Ion Ratio Lower Upper
168 100
99 51.3 46.4 69.6



#6
Chloroethane
Concen: 1.431 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 64 Resp: 1163
Ion Ratio Lower Upper
64 100
66 29.5 25.6 38.4





#11

Tert butyl alcohol

Concen: 0.312 ug/l

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

Instrument :

MSVOA_X

ClientSampleId :

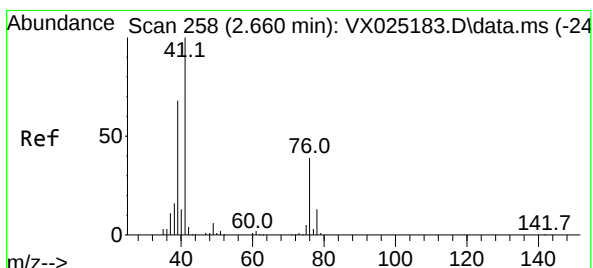
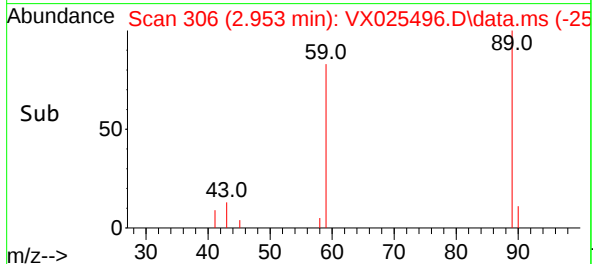
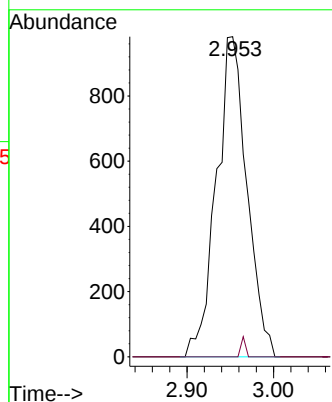
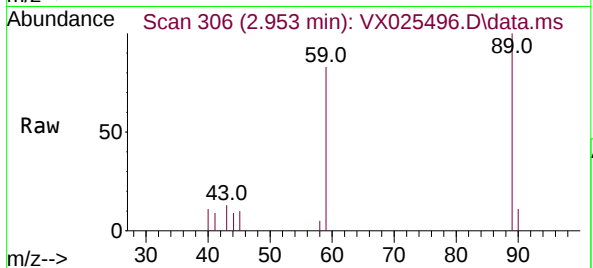
MW-1

Tgt Ion: 59 Resp: 2409

Ion Ratio Lower Upper

59 100

57 1.0 8.5 12.7#



#14

Allyl chloride

Concen: 0.652 ug/l

RT: 2.532 min Scan# 237

Delta R.T. -0.128 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

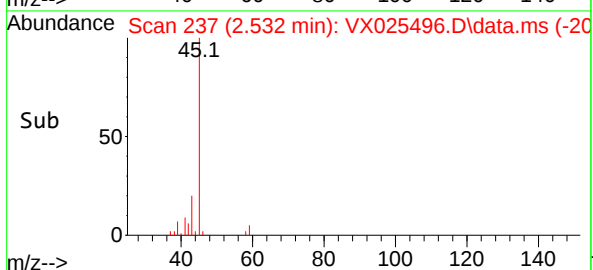
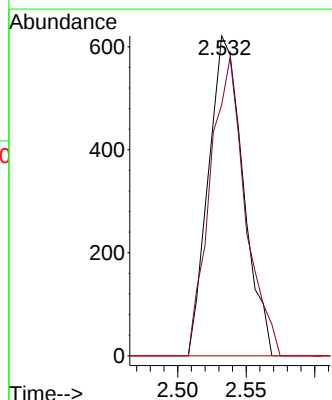
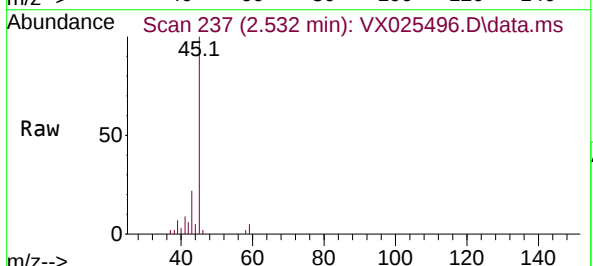
Tgt Ion: 41 Resp: 1093

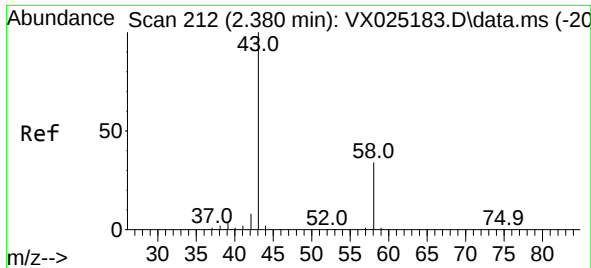
Ion Ratio Lower Upper

41 100

39 94.9 54.6 82.0#

76 0.0 25.3 37.9#





#16

Acetone

Concen: 3.375 ug/l

RT: 2.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

Instrument :

MSVOA_X

ClientSampleId :

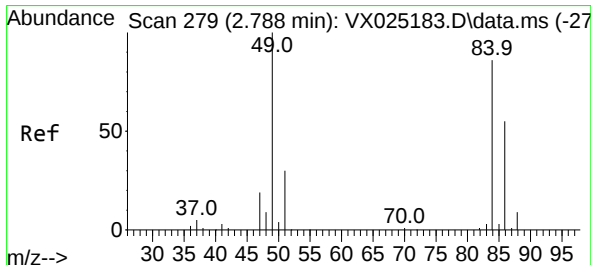
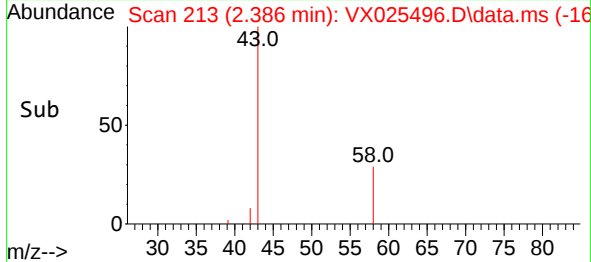
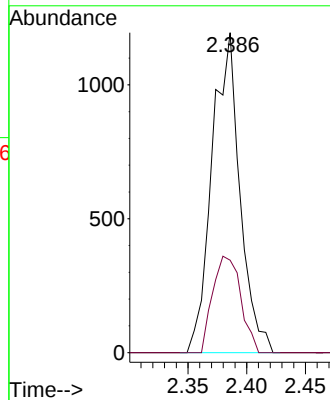
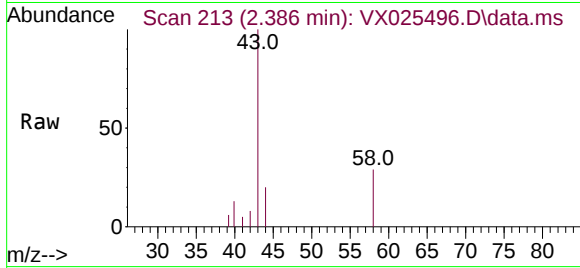
MW-1

Tgt Ion: 43 Resp: 1976

Ion Ratio Lower Upper

43 100

58 28.9 24.0 36.0



#20

Methylene Chloride

Concen: 0.419 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

Tgt Ion: 84 Resp: 461

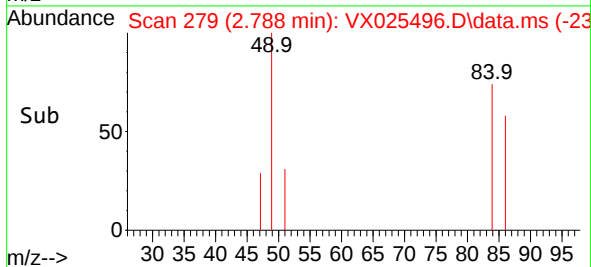
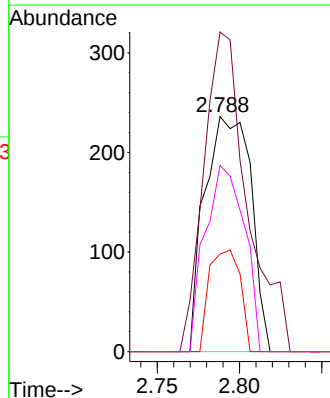
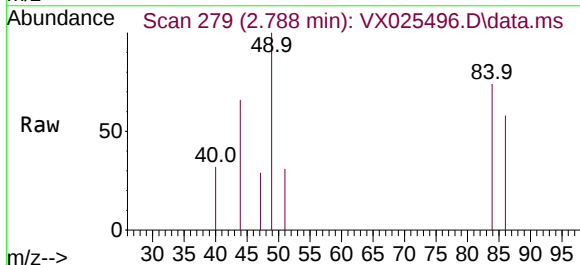
Ion Ratio Lower Upper

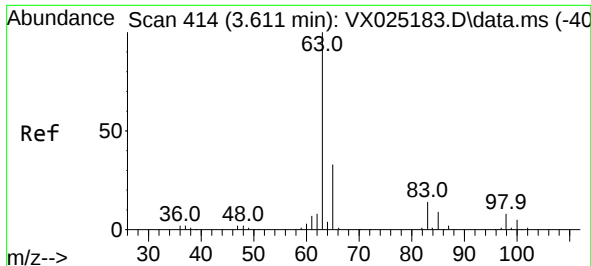
84 100

49 136.0 98.2 147.2

51 41.5 30.2 45.4

86 79.2 52.2 78.2#

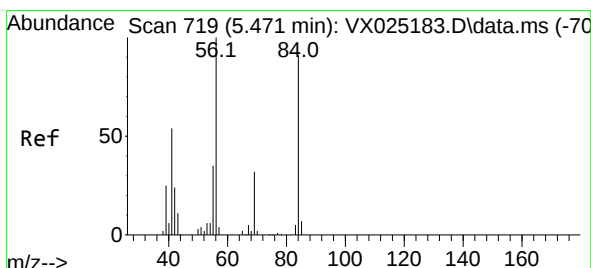
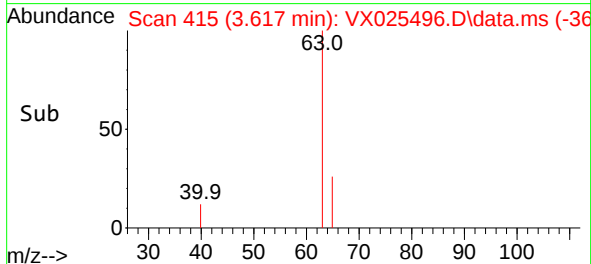
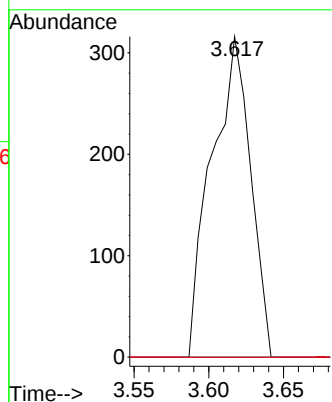
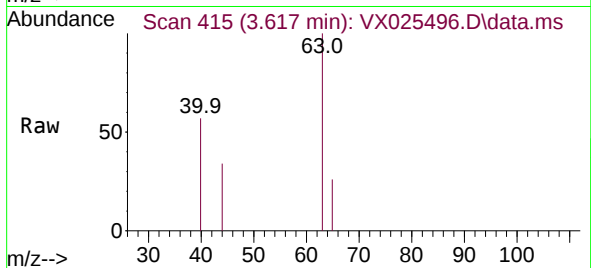




#24
1,1-Dichloroethane
Concen: 0.327 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

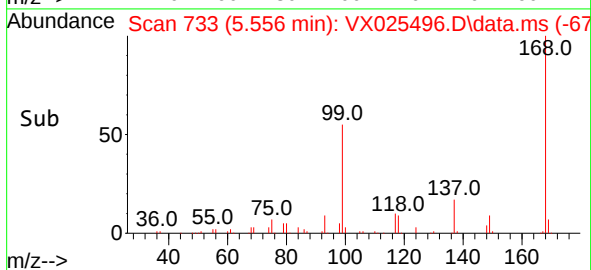
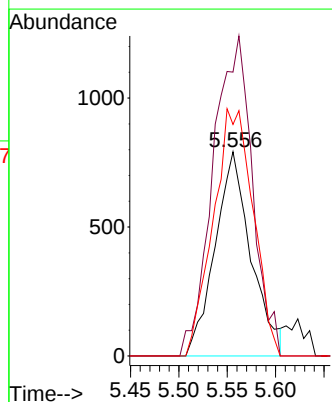
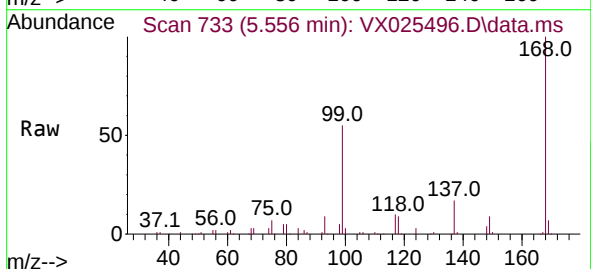
Instrument :
MSVOA_X
ClientSampleId :
MW-1

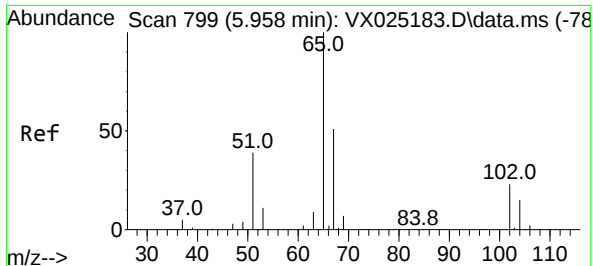
Tgt Ion: 63 Resp: 571
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9#
100 0.0 2.1 6.2#



#31
Cyclohexane
Concen: 1.258 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 56 Resp: 2049
Ion Ratio Lower Upper
56 100
69 139.0 24.2 36.2#
84 113.4 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 57.295 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

Instrument :

MSVOA_X

ClientSampleId :

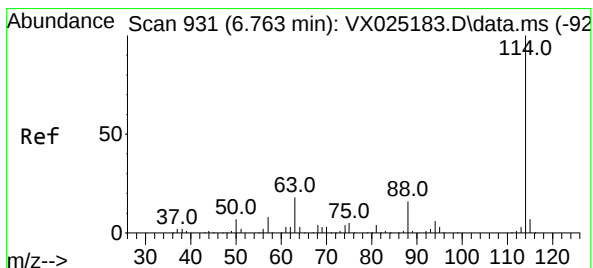
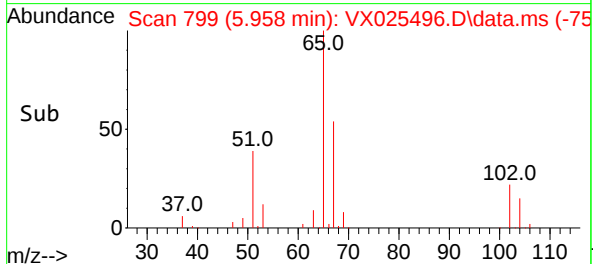
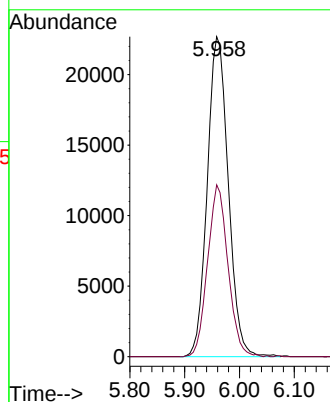
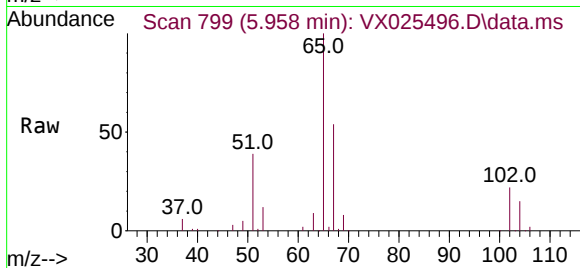
MW-1

Tgt Ion: 65 Resp: 60378

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

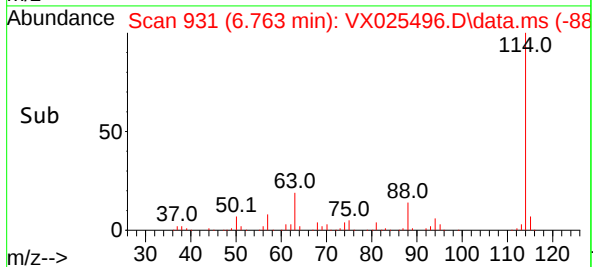
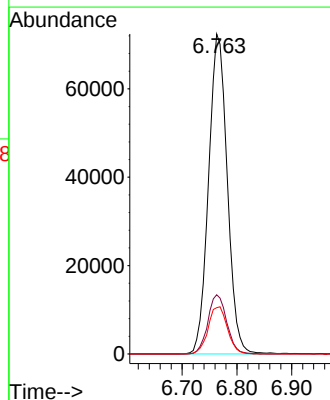
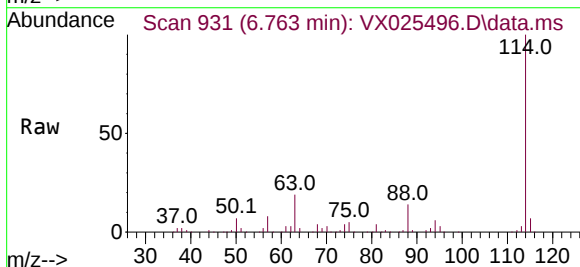
Tgt Ion: 114 Resp: 171243

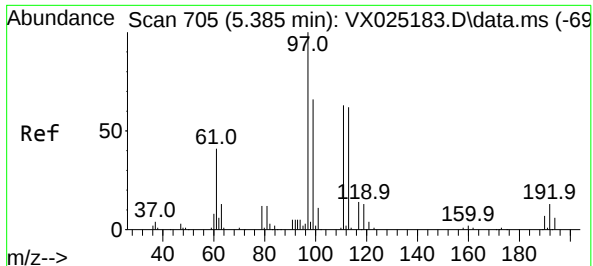
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 14.5 0.0 34.8

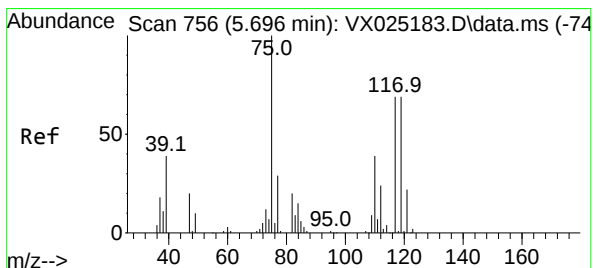
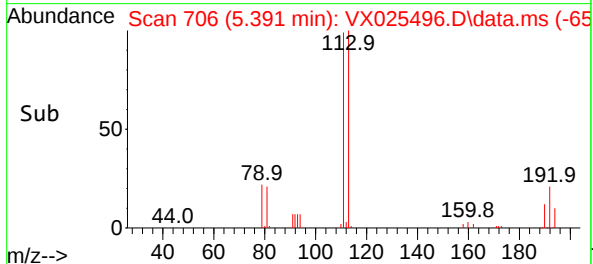
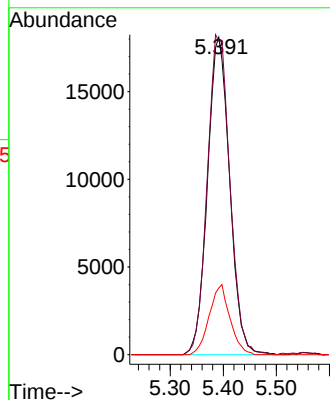
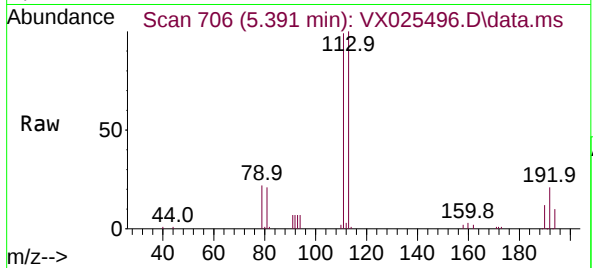




#35
Dibromofluoromethane
Concen: 50.040 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

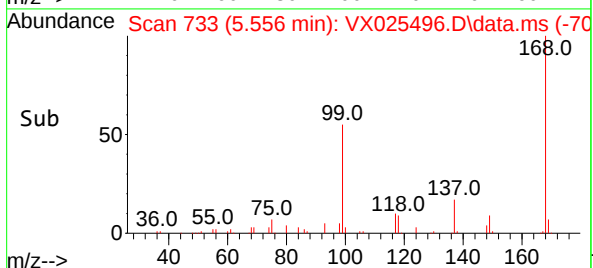
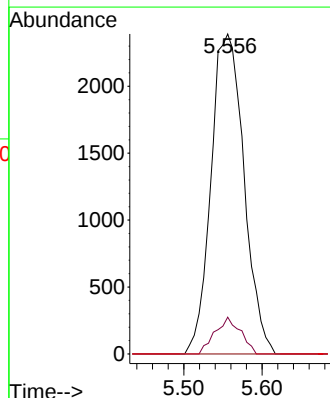
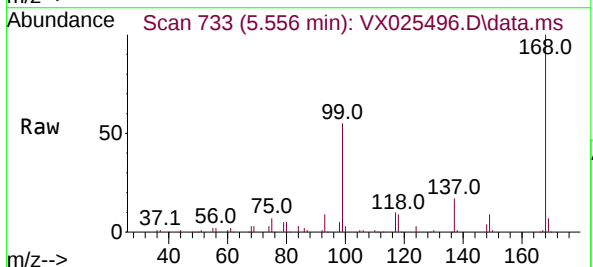
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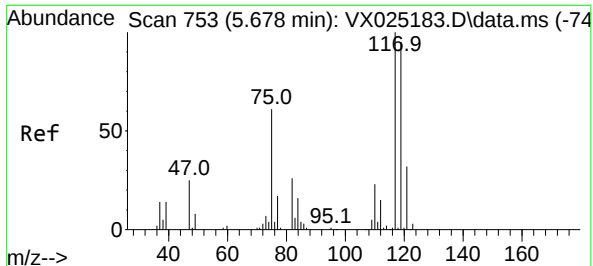
Tgt Ion:113 Resp: 52576
Ion Ratio Lower Upper
113 100
111 102.9 82.1 123.1
192 20.7 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 75 Resp: 6985
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.3#
77 0.0 24.4 36.6#

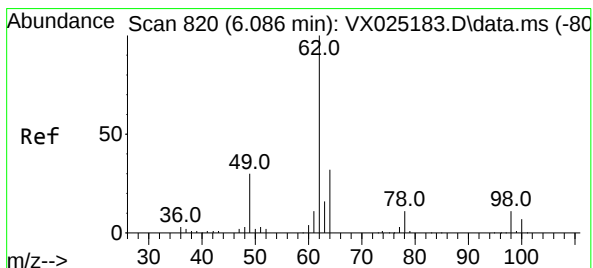
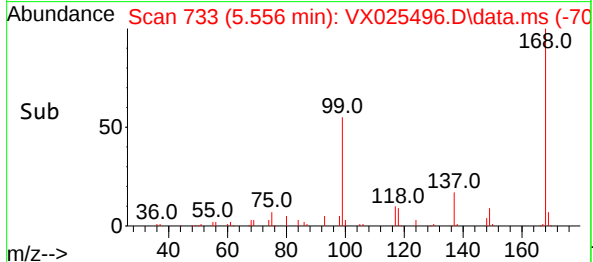
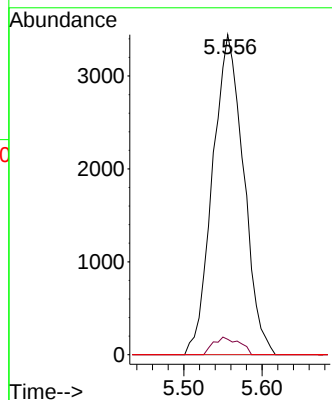
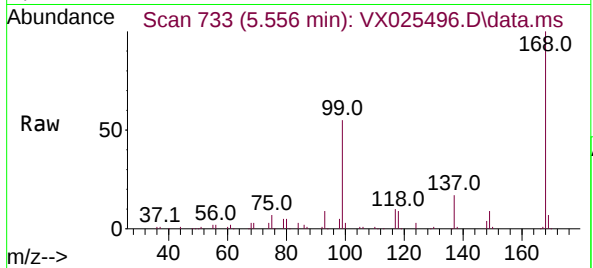




#38
Carbon Tetrachloride
Concen: 5.762 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

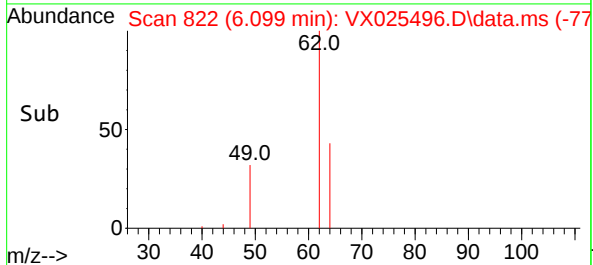
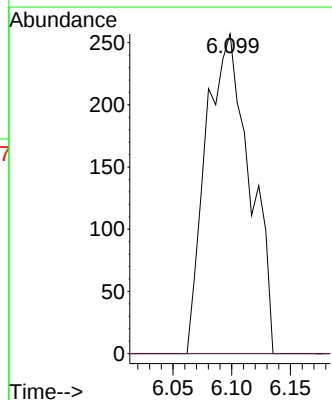
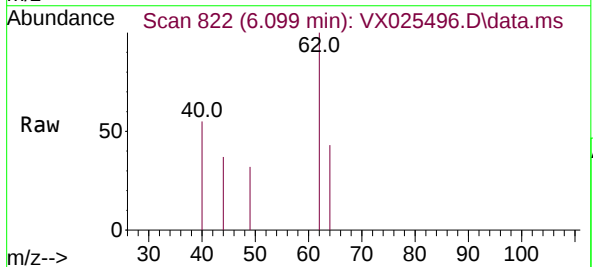
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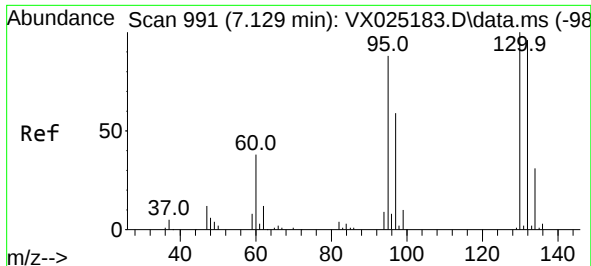
Tgt Ion:117 Resp: 9481
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 23.7 35.5#



#42
1,2-Dichloroethane
Concen: 0.453 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.013 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 62 Resp: 667
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

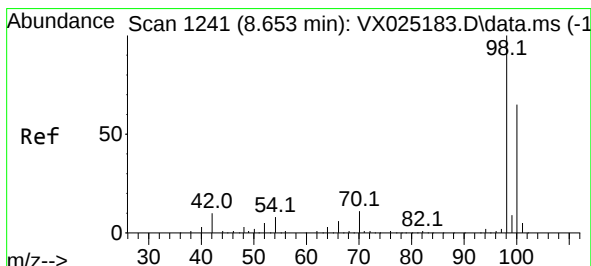
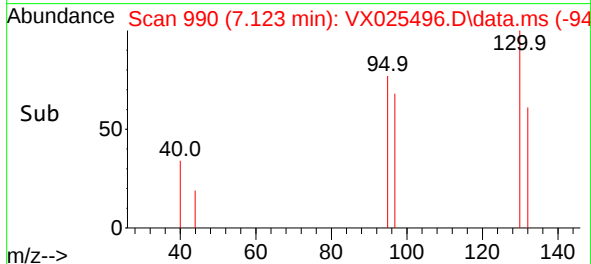
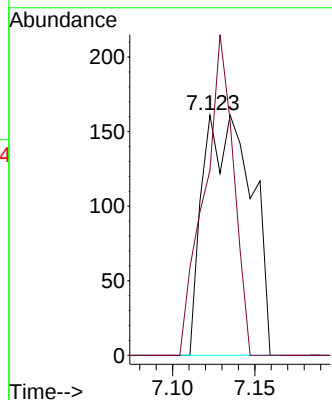
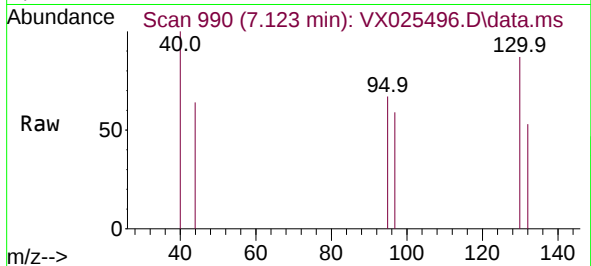




#44
Trichloroethene
Concen: 0.253 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

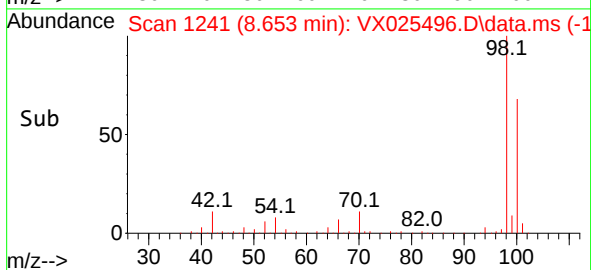
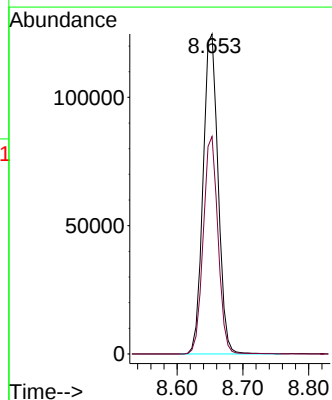
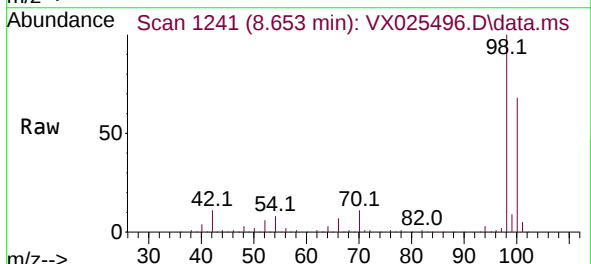
Instrument :
MSVOA_X
ClientSampleId :
MW-1

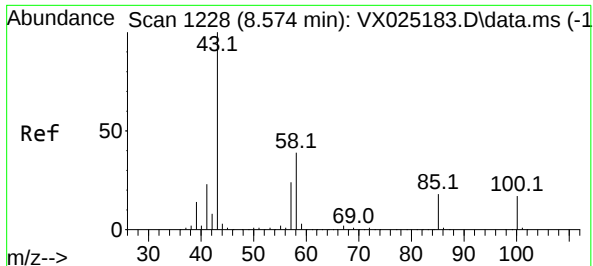
Tgt Ion:130 Resp: 333
Ion Ratio Lower Upper
130 100
95 77.0 0.0 196.8



#50
Toluene-d8
Concen: 50.194 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 98 Resp: 198289
Ion Ratio Lower Upper
98 100
100 66.6 51.4 77.0

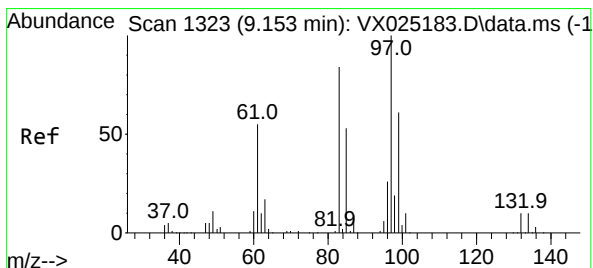
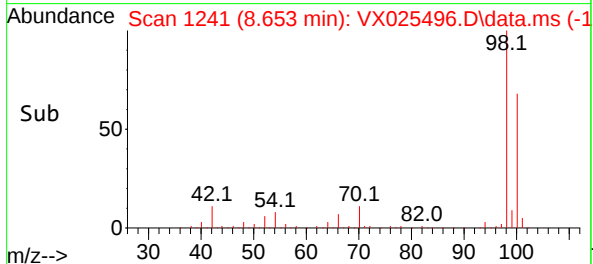
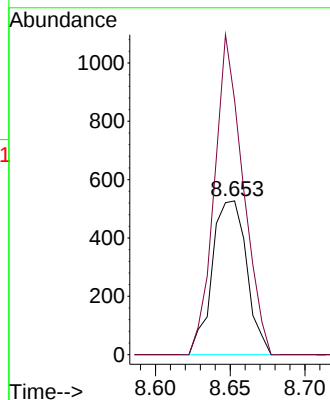
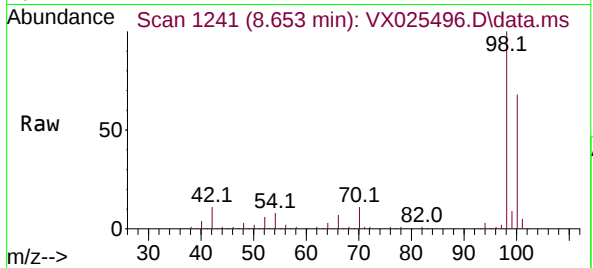




#51
4-Methyl-2-Pentanone
Concen: 0.477 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

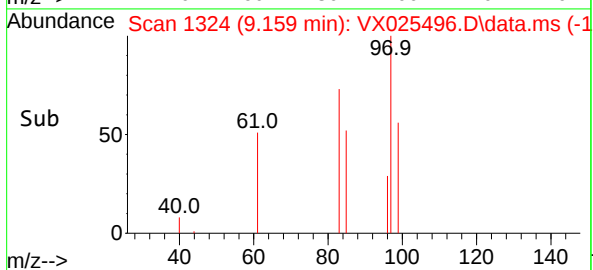
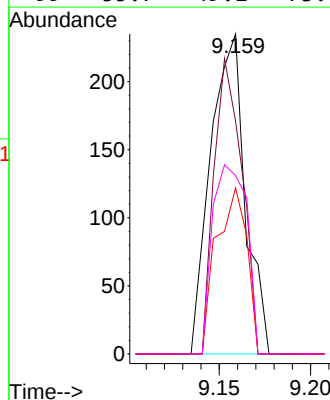
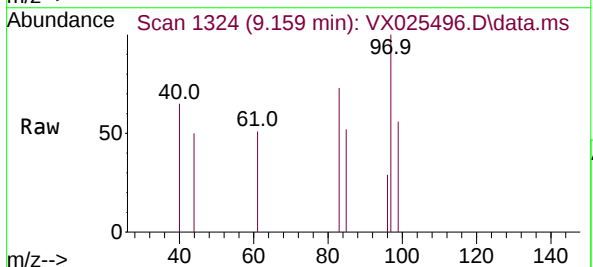
Instrument :
MSVOA_X
ClientSampleId :
MW-1

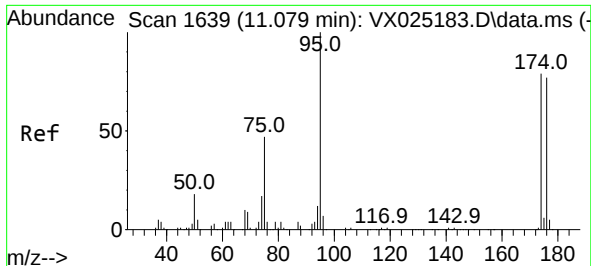
Tgt Ion: 43 Resp: 846
Ion Ratio Lower Upper
43 100
58 172.7 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 0.264 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion: 97 Resp: 310
Ion Ratio Lower Upper
97 100
83 72.8 69.2 103.8
85 51.9 43.3 64.9
99 55.7 49.1 73.7





#62

4-Bromofluorobenzene

Concen: 46.188 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

Instrument :

MSVOA_X

ClientSampleId :

MW-1

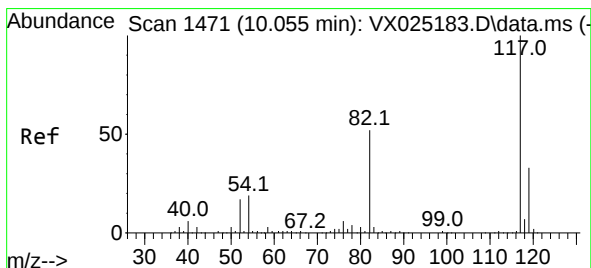
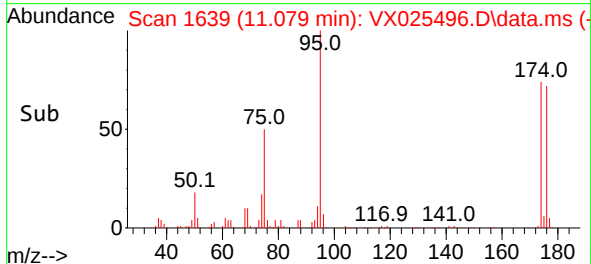
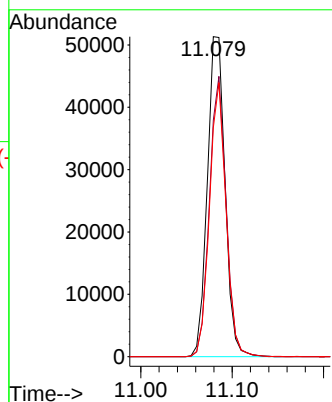
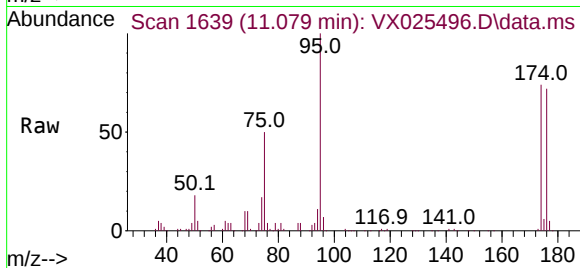
Tgt Ion: 95 Resp: 69028

Ion Ratio Lower Upper

95 100

174 82.9 0.0 158.0

176 80.0 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX025496.D

Acq: 03 Dec 2021 20:37

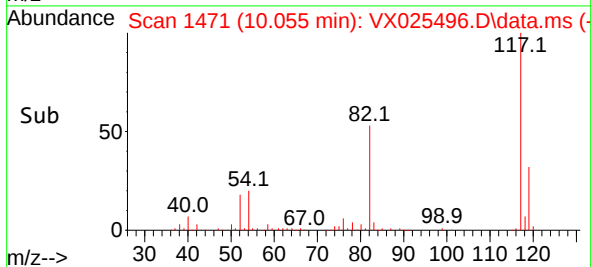
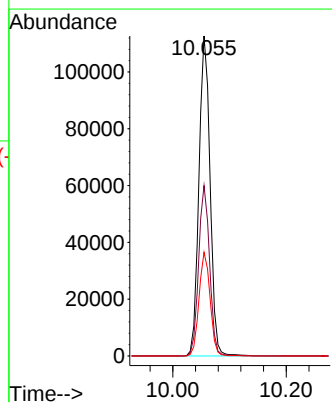
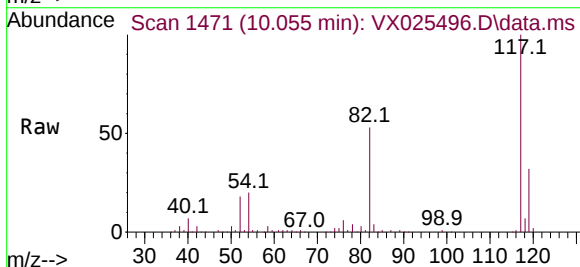
Tgt Ion: 117 Resp: 153515

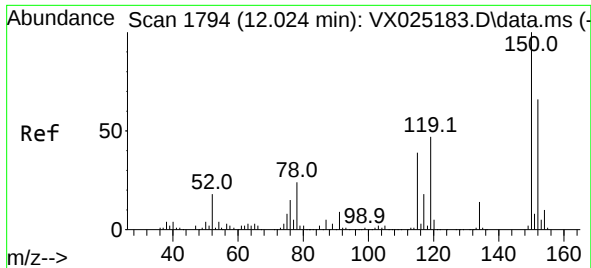
Ion Ratio Lower Upper

117 100

82 53.2 44.6 67.0

119 32.4 24.8 37.2

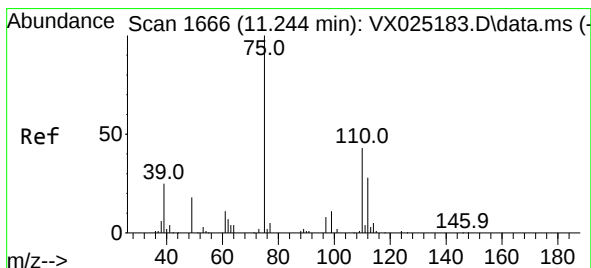
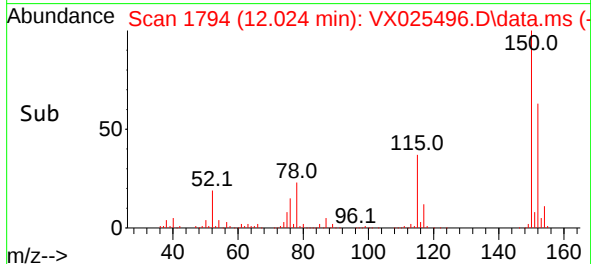
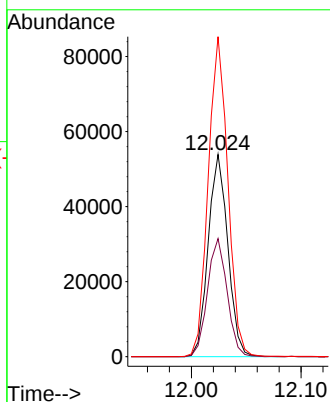
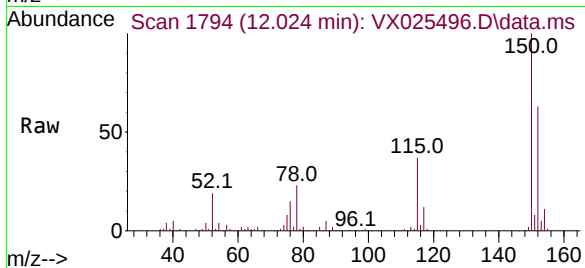




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025496.D
 Acq: 03 Dec 2021 20:37

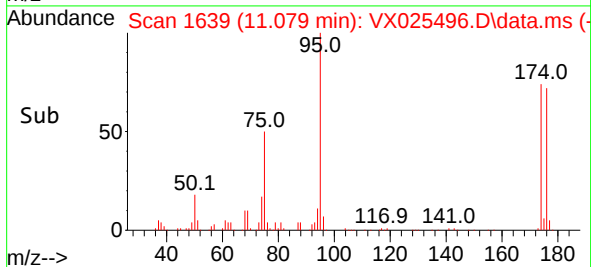
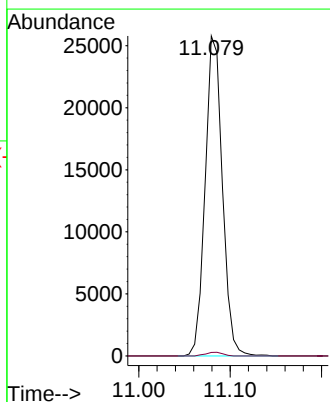
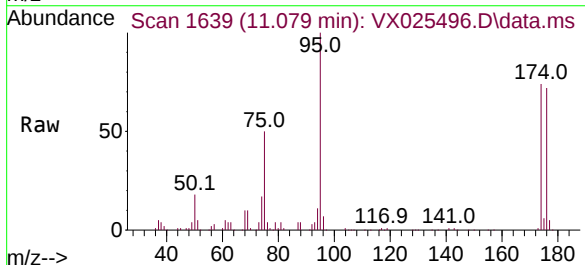
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

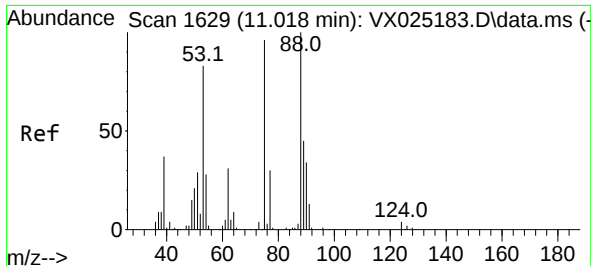
Tgt Ion:152 Resp: 67102
 Ion Ratio Lower Upper
 152 100
 115 58.4 43.3 129.8
 150 158.5 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 24.532 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025496.D
 Acq: 03 Dec 2021 20:37

Tgt Ion: 75 Resp: 33709
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#

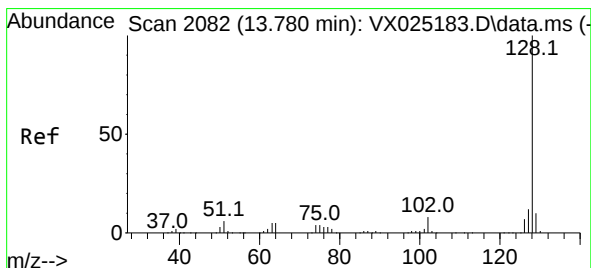
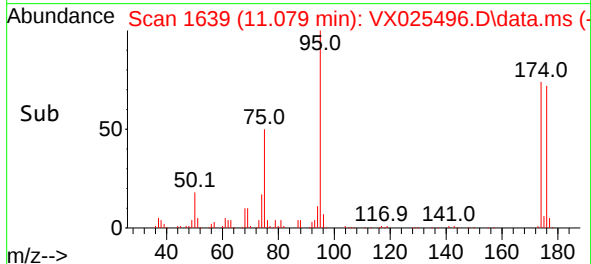
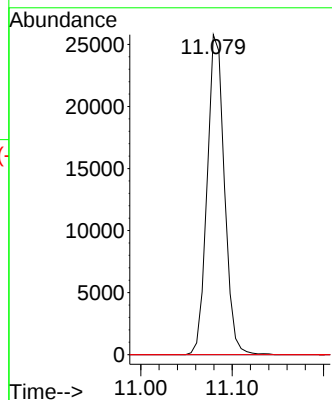
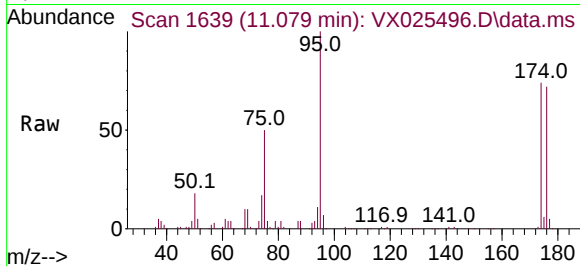




#81
trans-1,4-Dichloro-2-butene
Concen: 61.799 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1

Tgt Ion: 75 Resp: 33709
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025496.D
Acq: 03 Dec 2021 20:37

Tgt Ion:128 Resp: 41
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

