

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045551.D
 Acq On : 02 Apr 2025 16:51
 Operator : JC/MD
 Sample : Q1697-05 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-03-55-040125

Quant Time: Apr 03 01:55:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

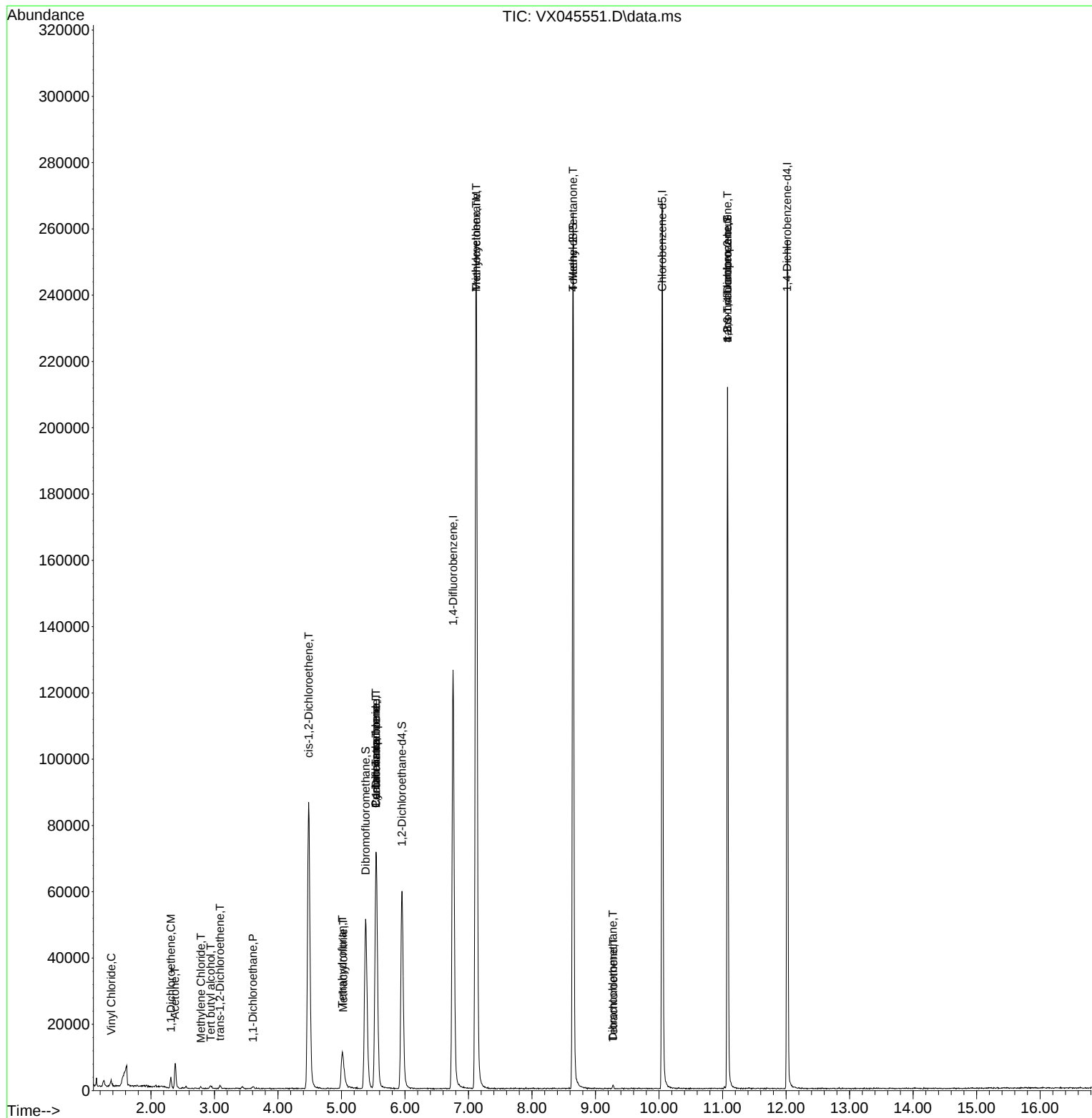
Internal Standards						
1) Pentafluorobenzene	5.544	168	61354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	118700	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	111274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	47106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60332	53.772	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.540%			
35) Dibromofluoromethane	5.379	113	44335	52.643	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.280%			
50) Toluene-d8	8.647	98	149422	50.832	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	11.079	95	53791	50.238	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.480%			
Target Compounds					Qvalue	
4) Vinyl Chloride	1.374	62	772	0.895	ug/l	93
11) Tert butyl alcohol	2.940	59	485	3.216	ug/l #	72
12) 1,1-Dichloroethene	2.313	96	831	1.128	ug/l	96
16) Acetone	2.380	43	8425	18.286	ug/l	93
20) Methylene Chloride	2.788	84	244	0.283	ug/l #	79
21) trans-1,2-Dichloroethene	3.087	96	432	0.574	ug/l	91
24) 1,1-Dichloroethane	3.605	63	811	0.521	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	51568	56.250	ug/l	90
29) Tetrahydrofuran	5.013	42	11199	25.613	ug/l	97
31) Cyclohexane	5.544	56	1844	1.340	ug/l #	13
36) 1,1-Dichloropropene	5.544	75	6130	5.391	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7302	5.942	ug/l #	16
39) Methylcyclohexane	7.123	83	1397	1.002	ug/l #	1
41) Methacrylonitrile	5.025	41	6698	8.859	ug/l #	52
44) Trichloroethene	7.123	130	92640	112.231	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	826	0.574	ug/l #	1
60) Dibromochloromethane	9.275	129	214	0.234	ug/l #	10
64) Tetrachloroethene	9.281	164	244	0.311	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	32241	28.059	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	32241	95.230	ug/l #	1

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045551.D
Acq On : 02 Apr 2025 16:51
Operator : JC/MD
Sample : Q1697-05 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

Quant Time: Apr 03 01:55:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

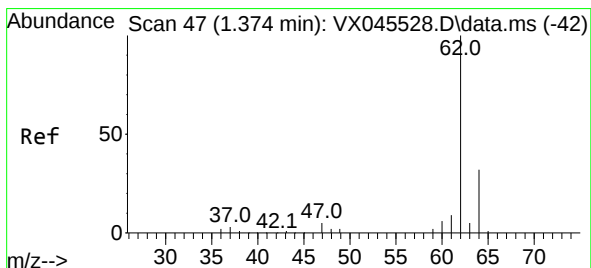
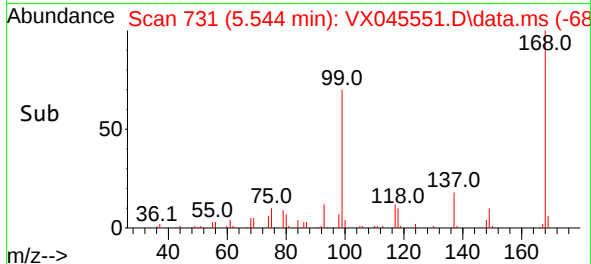
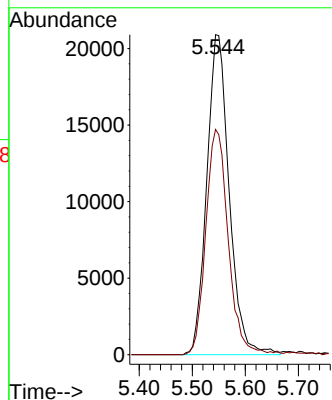
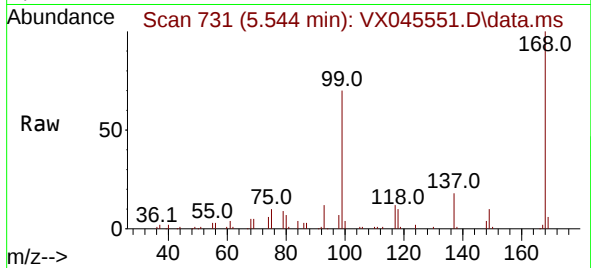




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

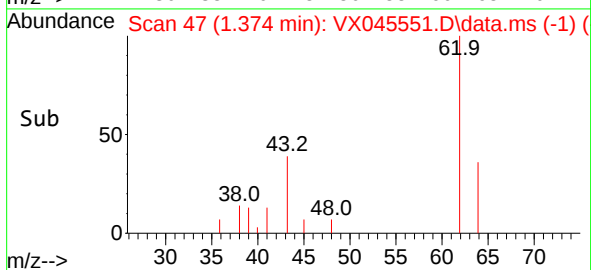
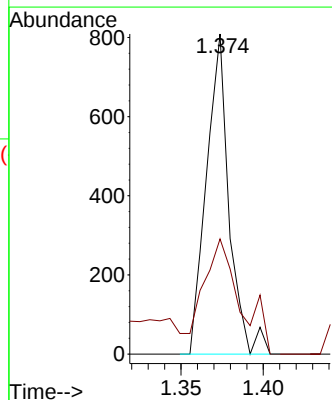
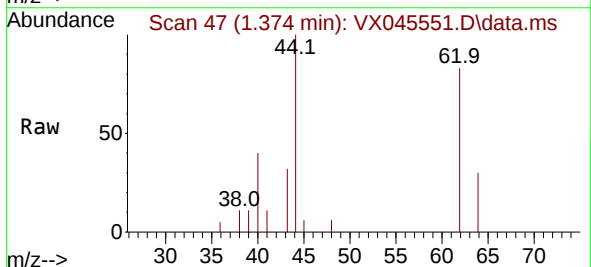
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

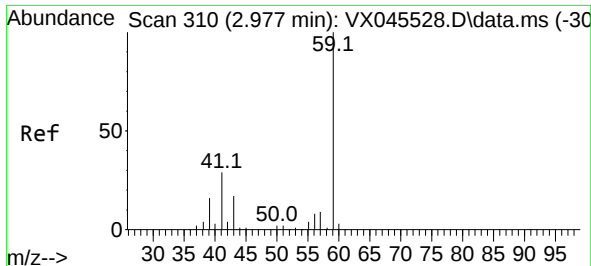
Tgt Ion:168 Resp: 61354
Ion Ratio Lower Upper
168 100
99 70.4 52.3 78.5



#4
Vinyl Chloride
Concen: 0.895 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 62 Resp: 772
Ion Ratio Lower Upper
62 100
64 36.0 25.5 38.3

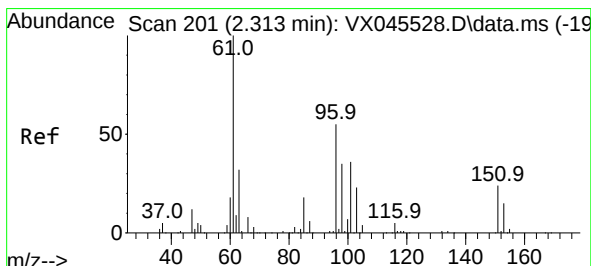
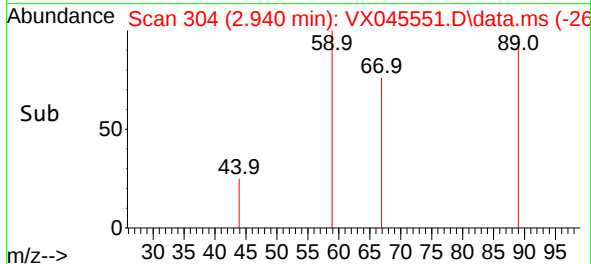
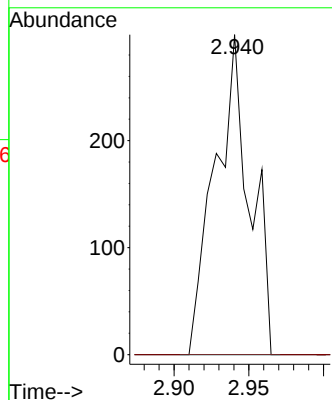
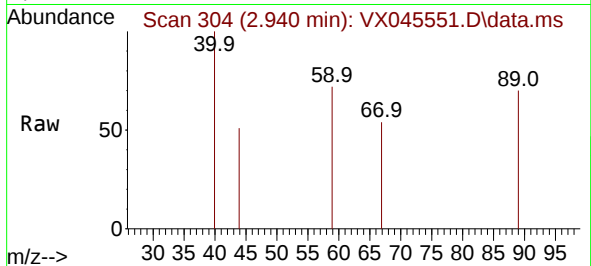




#11
Tert butyl alcohol
Concen: 3.216 ug/l
RT: 2.940 min Scan# 30
Delta R.T. -0.037 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

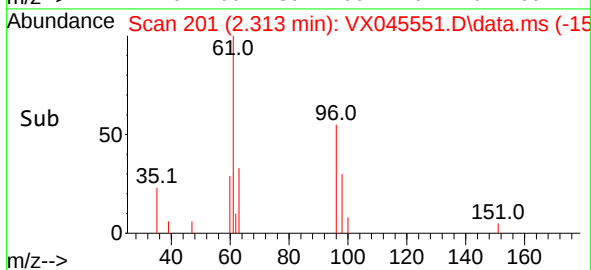
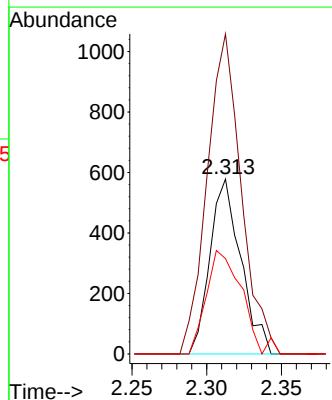
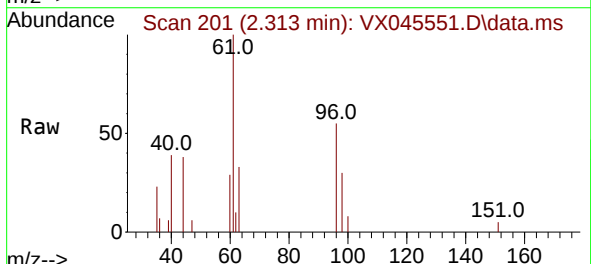
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

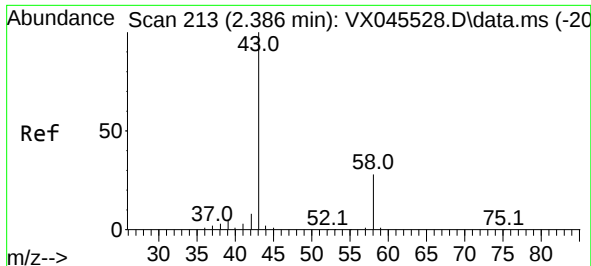
Tgt Ion: 59 Resp: 485
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 1.128 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 96 Resp: 831
Ion Ratio Lower Upper
96 100
61 183.0 145.7 218.5
98 54.5 51.6 77.4

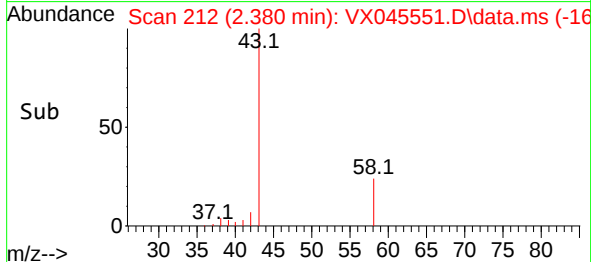
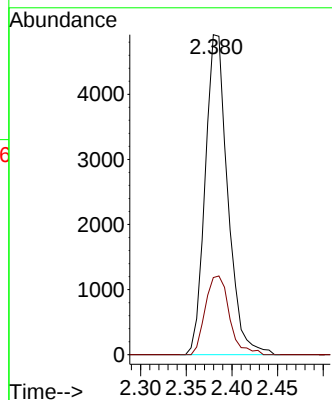
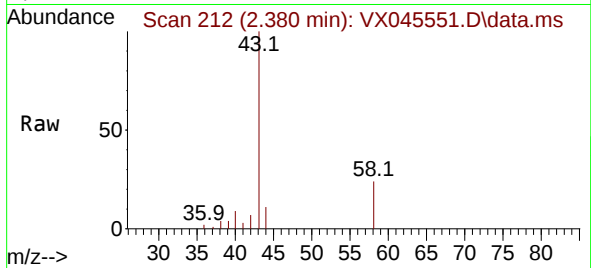




#16
Acetone
Concen: 18.286 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

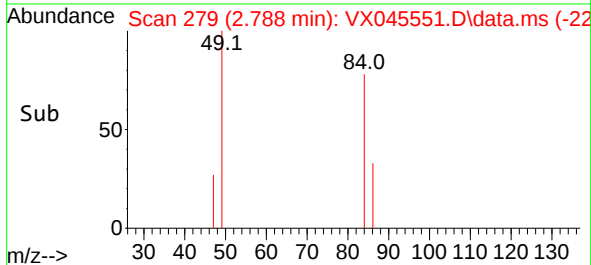
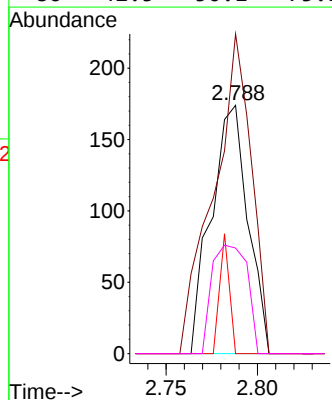
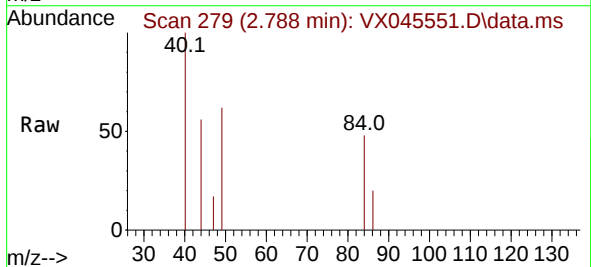
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

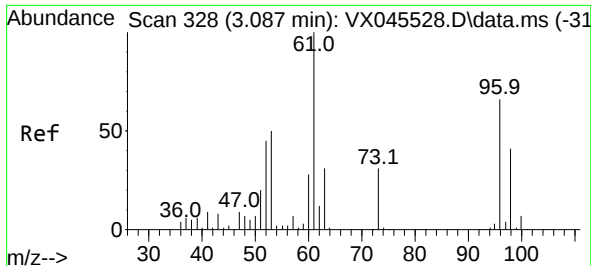
Tgt Ion: 43 Resp: 8425
Ion Ratio Lower Upper
43 100
58 24.1 22.3 33.5



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 84 Resp: 244
Ion Ratio Lower Upper
84 100
49 128.7 107.5 161.3
51 0.0 33.0 49.6#
86 42.5 50.1 75.1#

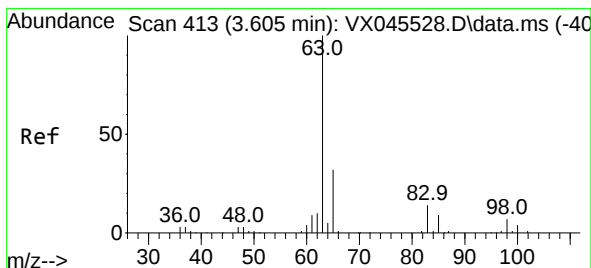
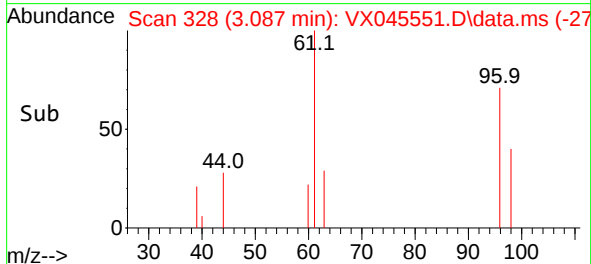
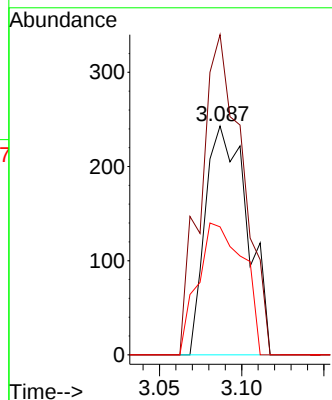
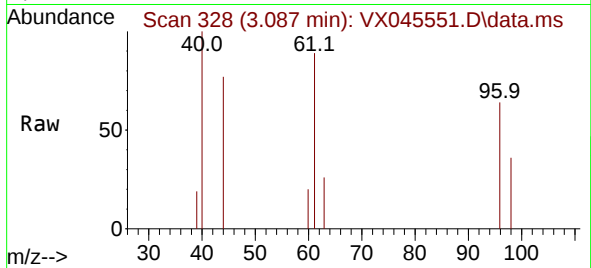




#21
trans-1,2-Dichloroethene
Concen: 0.574 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

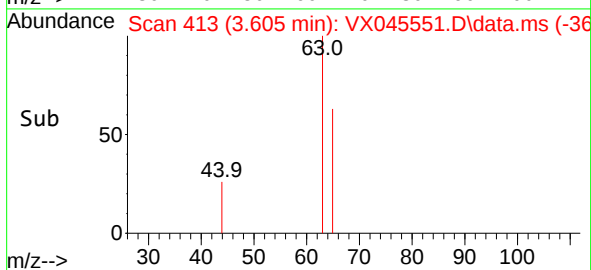
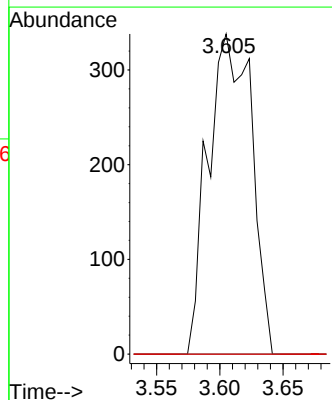
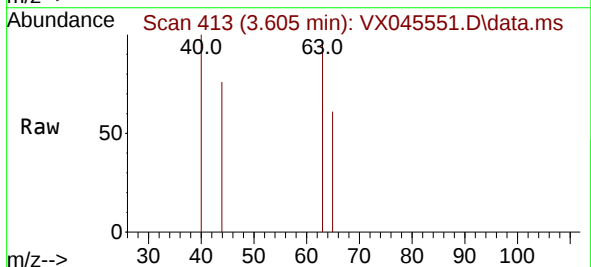
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

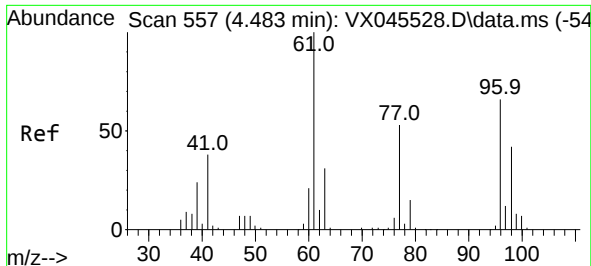
Tgt Ion: 96 Resp: 432
Ion Ratio Lower Upper
96 100
61 139.9 121.0 181.6
98 56.0 49.7 74.5



#24
1,1-Dichloroethane
Concen: 0.521 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 63 Resp: 811
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.1#
100 0.0 2.2 6.6#





#27

cis-1,2-Dichloroethene

Concen: 56.250 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

IW-03-55-040125

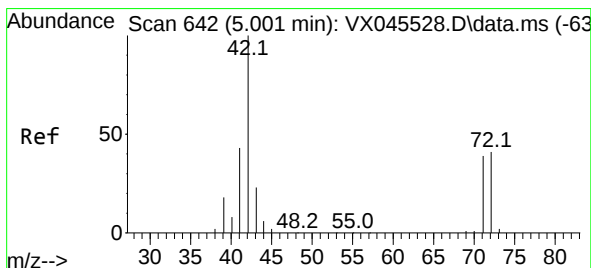
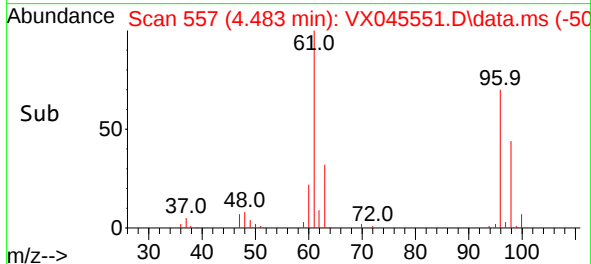
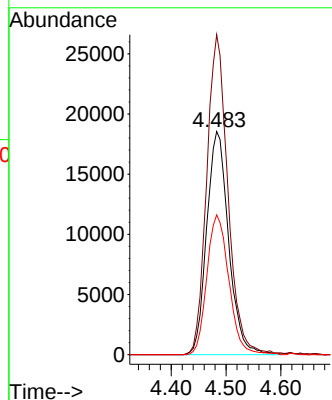
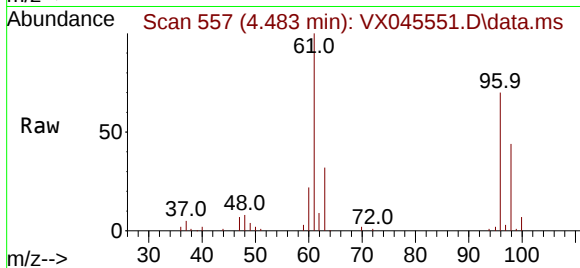
Tgt Ion: 96 Resp: 51568

Ion Ratio Lower Upper

96 100

61 138.3 0.0 313.2

98 62.8 0.0 126.4



#29

Tetrahydrofuran

Concen: 25.613 ug/l

RT: 5.013 min Scan# 644

Delta R.T. 0.012 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

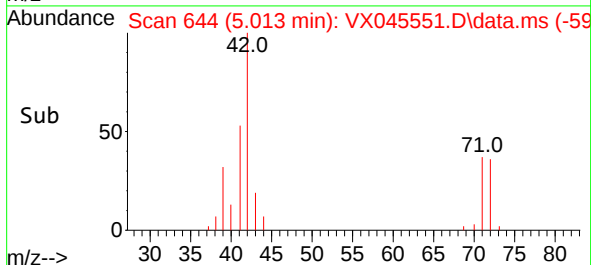
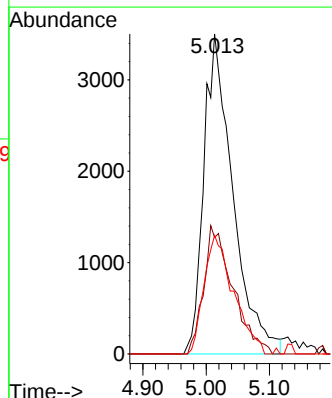
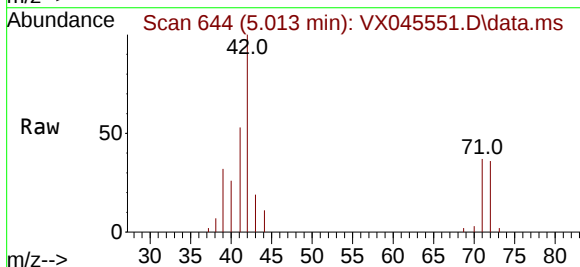
Tgt Ion: 42 Resp: 11199

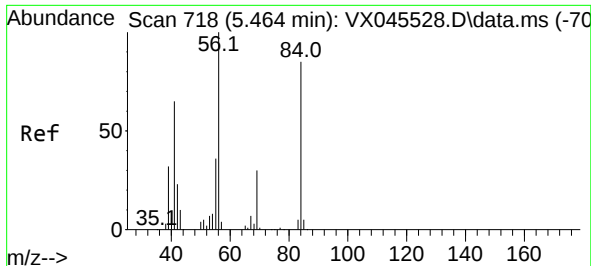
Ion Ratio Lower Upper

42 100

72 40.0 33.4 50.0

71 37.7 31.4 47.0

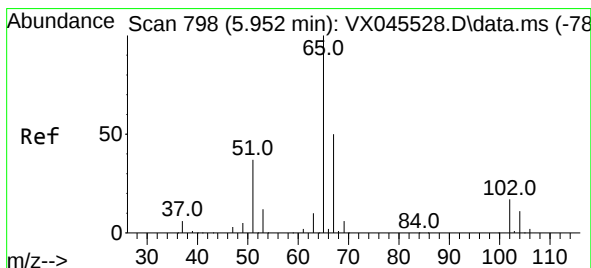
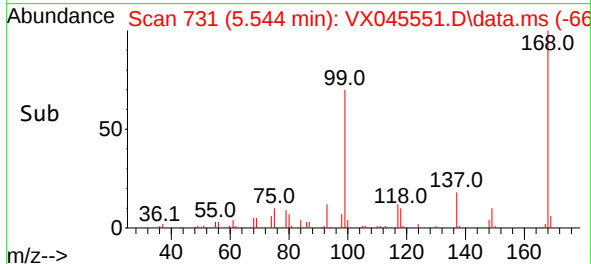
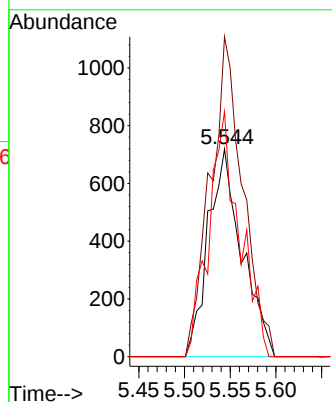
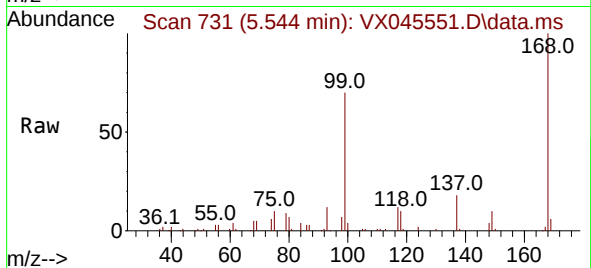




#31
Cyclohexane
Concen: 1.340 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

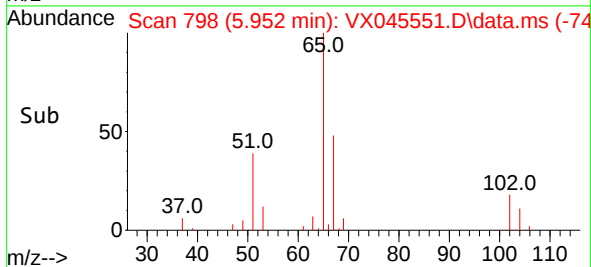
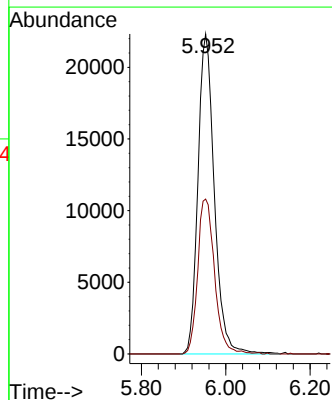
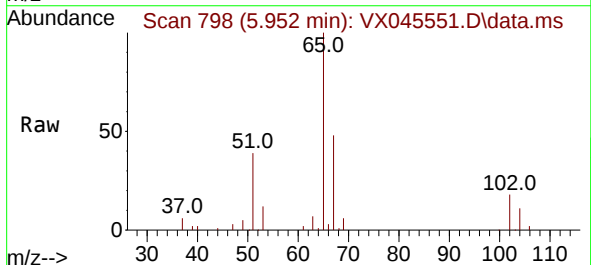
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

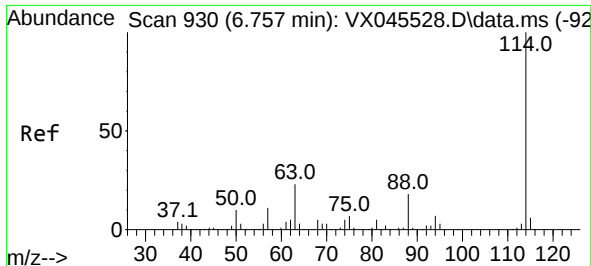
Tgt Ion: 56 Resp: 1844
Ion Ratio Lower Upper
56 100
69 154.1 23.6 35.4#
84 117.9 67.7 101.5#



#33
1,2-Dichloroethane-d4
Concen: 53.772 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 65 Resp: 60332
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

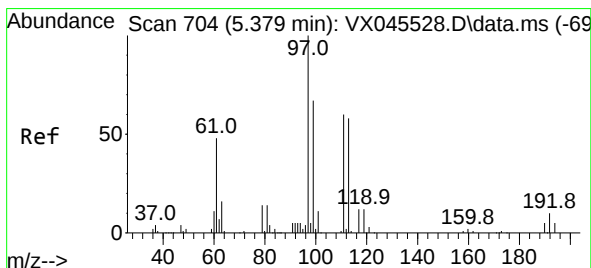
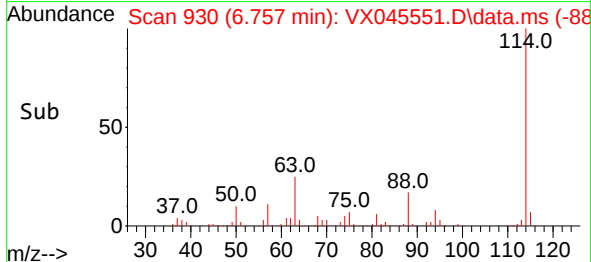
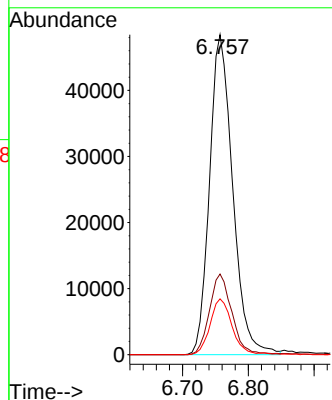
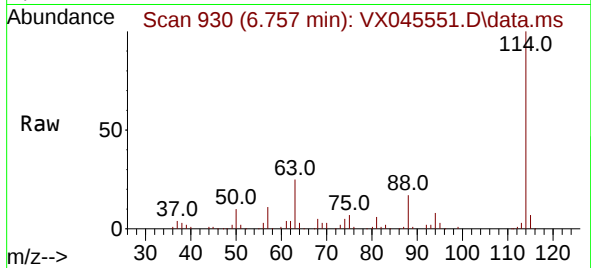




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

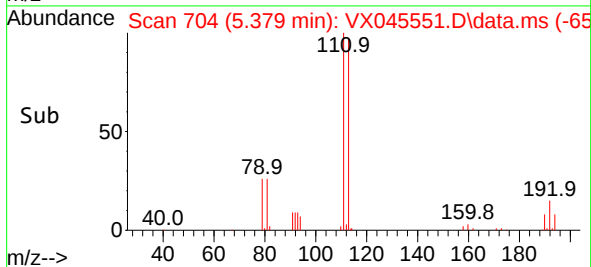
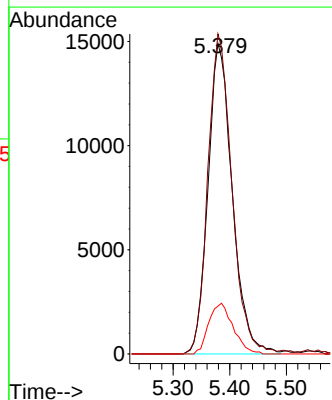
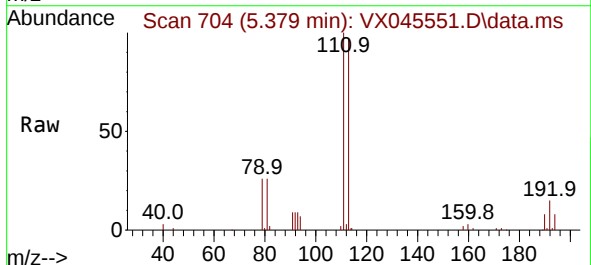
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

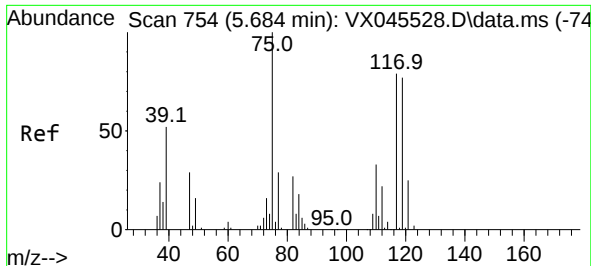
Tgt Ion:114 Resp: 118700
Ion Ratio Lower Upper
114 100
63 25.2 0.0 46.8
88 17.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.643 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion:113 Resp: 44335
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 16.4 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.391 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

IW-03-55-040125

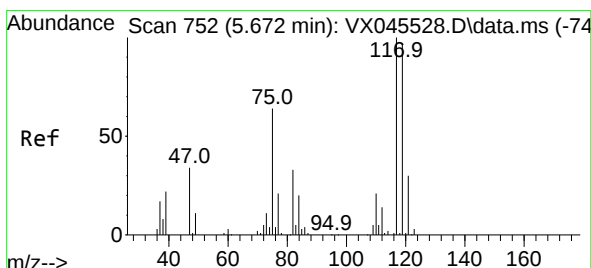
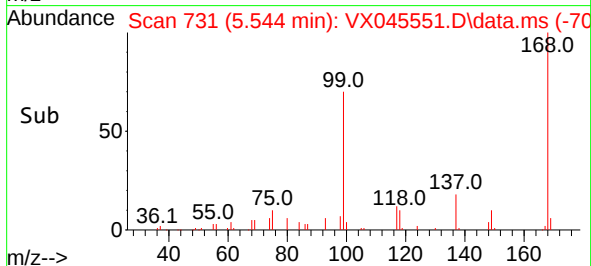
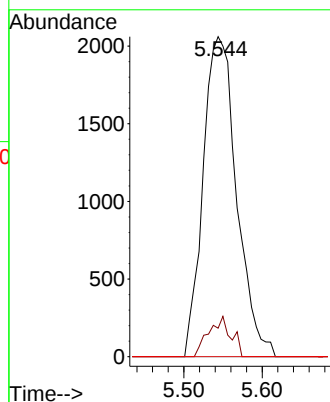
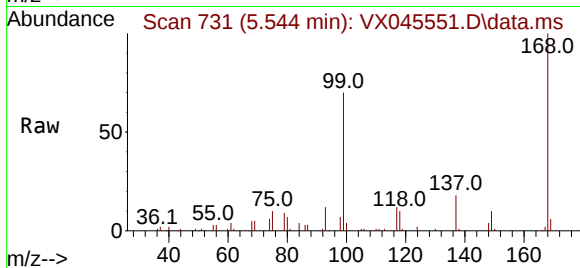
Tgt Ion: 75 Resp: 6130

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.942 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

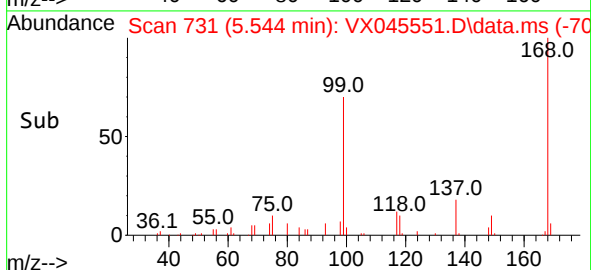
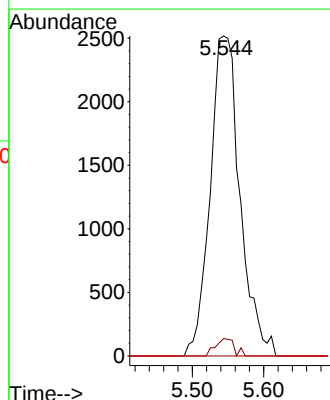
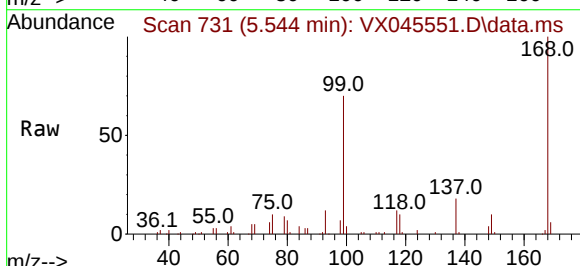
Tgt Ion: 117 Resp: 7302

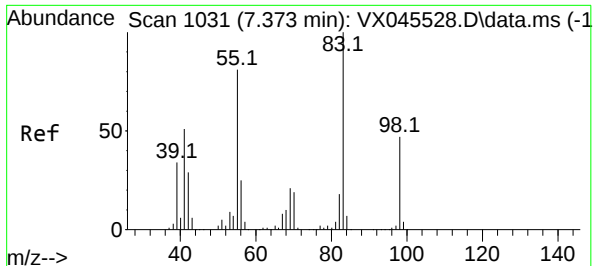
Ion Ratio Lower Upper

117 100

119 5.4 76.9 115.3#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.002 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

IW-03-55-040125

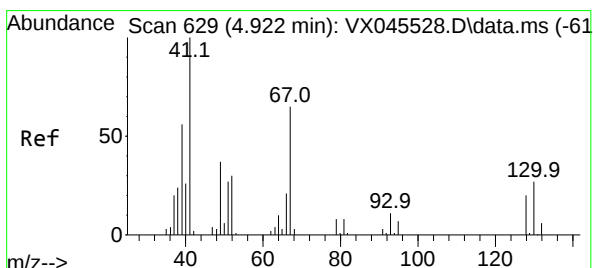
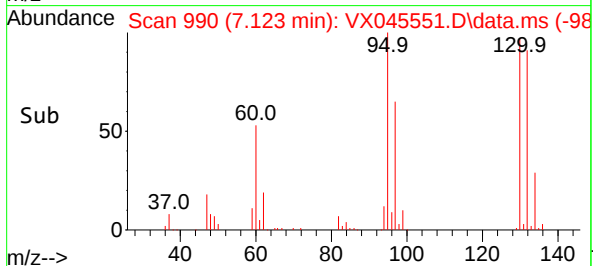
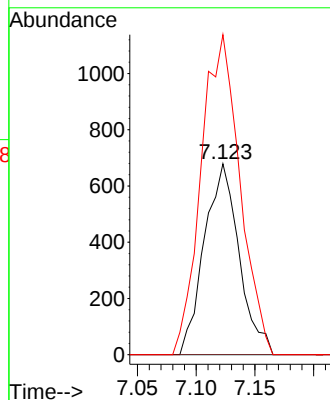
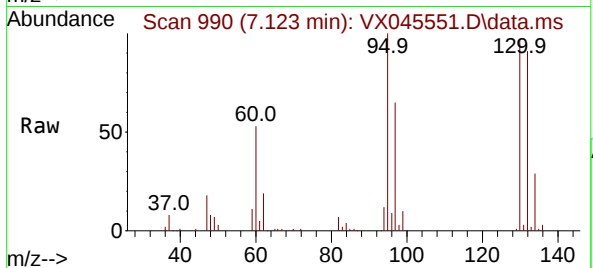
Tgt Ion: 83 Resp: 1397

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

98 167.6 37.4 56.0#



#41

Methacrylonitrile

Concen: 8.859 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.104 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Tgt Ion: 41 Resp: 6698

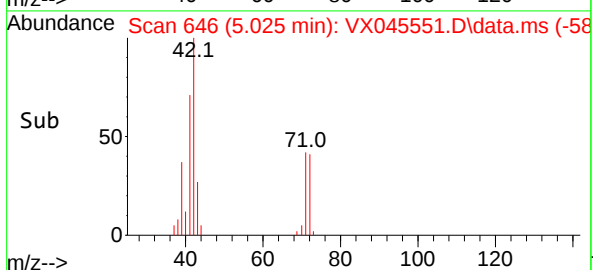
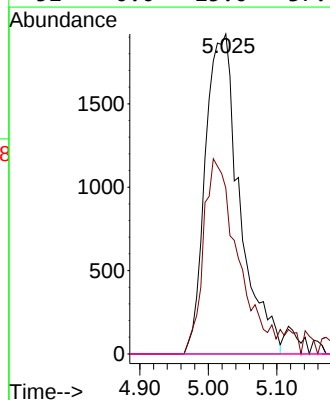
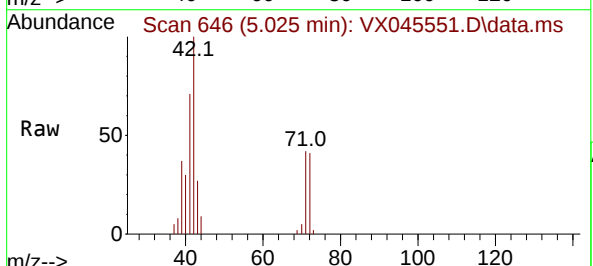
Ion Ratio Lower Upper

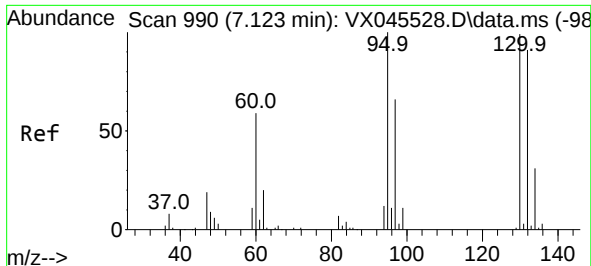
41 100

39 61.2 47.0 70.6

67 0.0 53.2 79.8#

52 0.0 25.0 37.6#

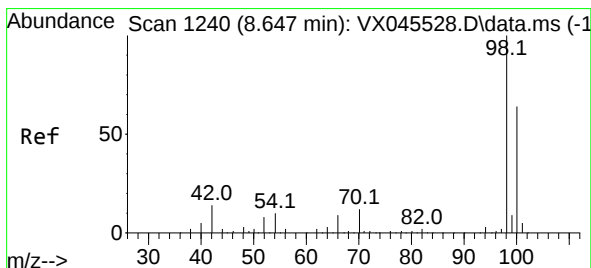
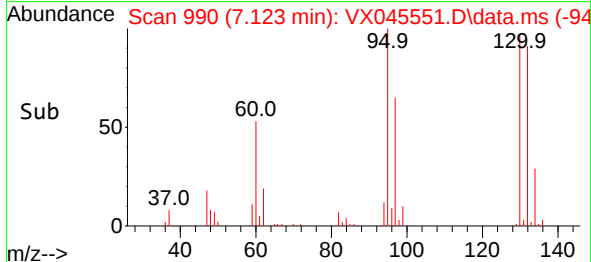
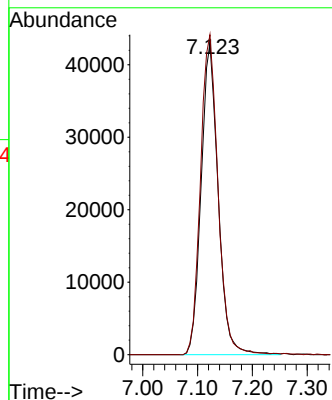
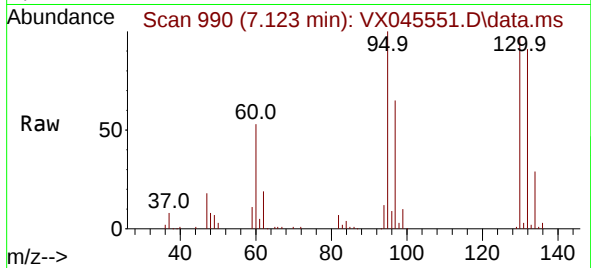




#44
Trichloroethene
Concen: 112.231 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

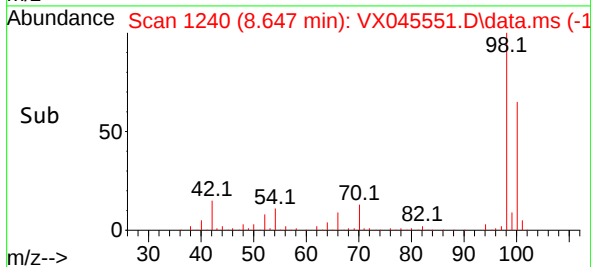
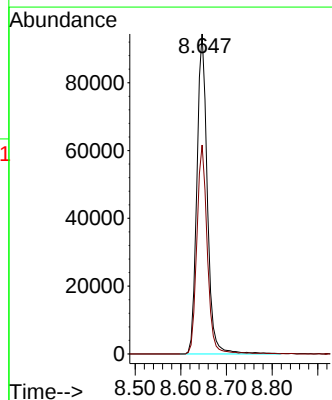
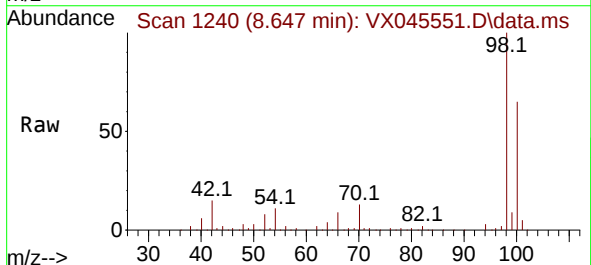
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

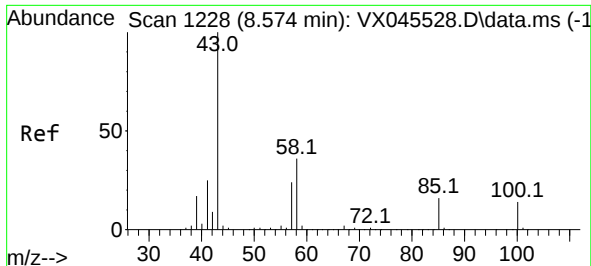
Tgt Ion:130 Resp: 92640
Ion Ratio Lower Upper
130 100
95 102.9 0.0 202.0



#50
Toluene-d8
Concen: 50.832 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion: 98 Resp: 149422
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

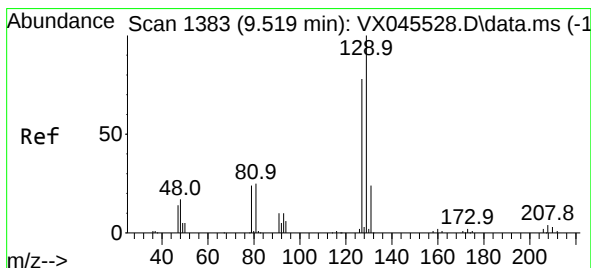
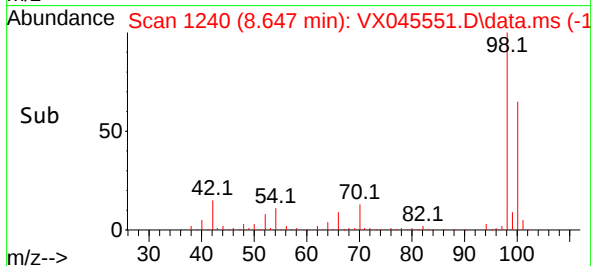
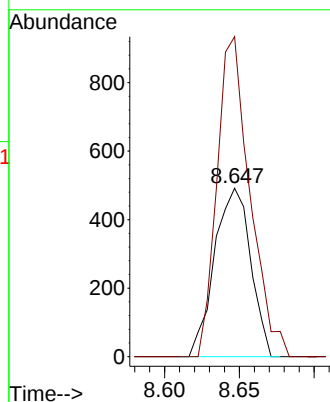
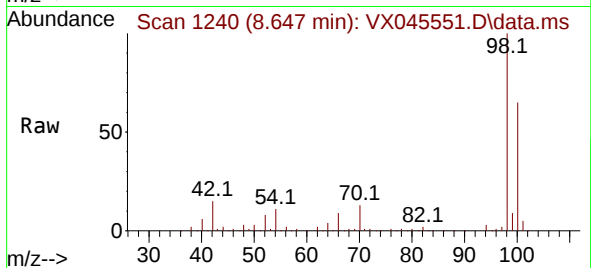




#51
4-Methyl-2-Pentanone
Concen: 0.574 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

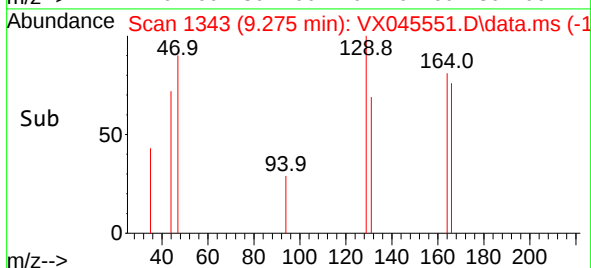
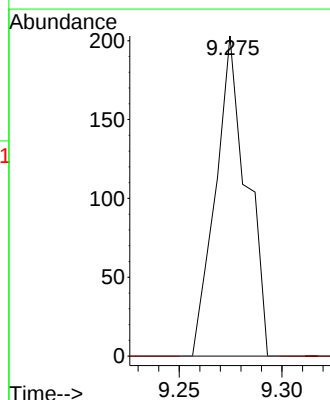
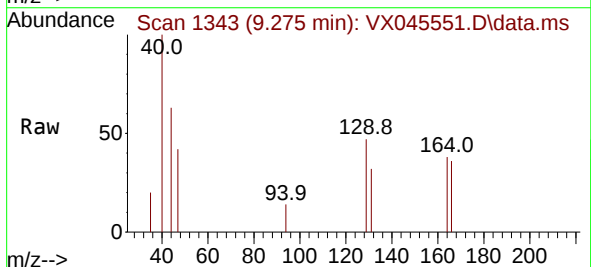
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

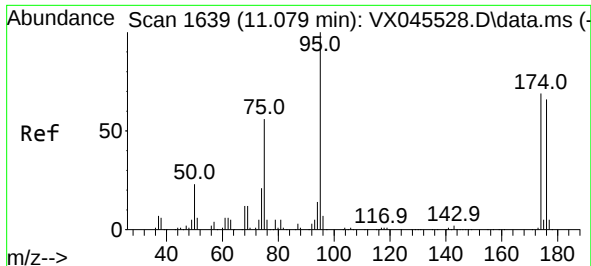
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 173.0 28.5 42.7#



#60
Dibromochloromethane
Concen: 0.234 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion:129 Resp: 214
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#





#62

4-Bromofluorobenzene

Concen: 50.238 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

IW-03-55-040125

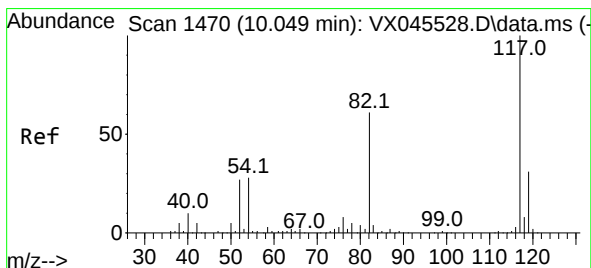
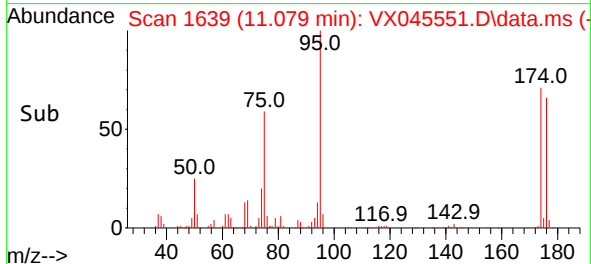
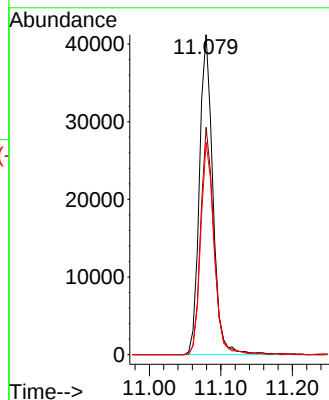
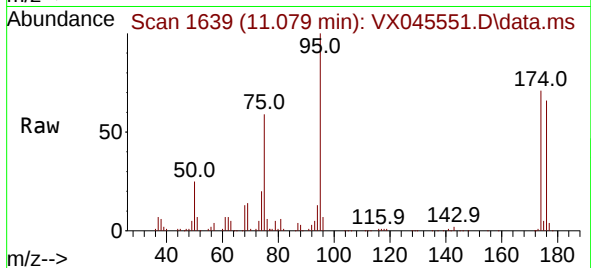
Tgt Ion: 95 Resp: 53791

Ion Ratio Lower Upper

95 100

174 70.8 0.0 135.8

176 66.1 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

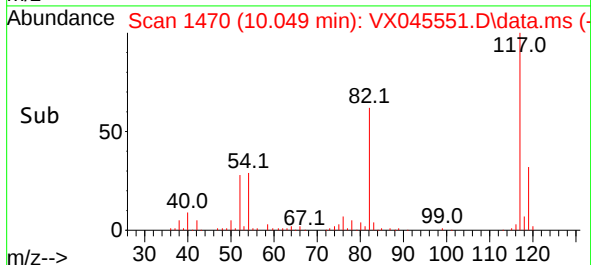
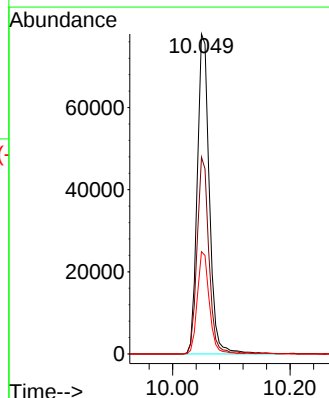
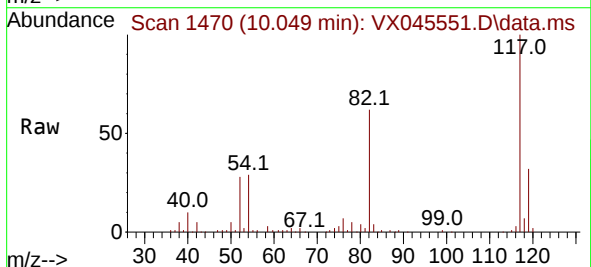
Tgt Ion: 117 Resp: 111274

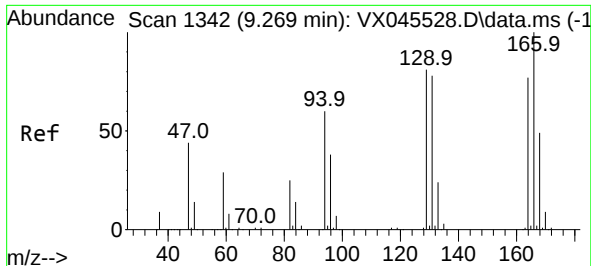
Ion Ratio Lower Upper

117 100

82 61.5 49.2 73.8

119 32.0 25.1 37.7

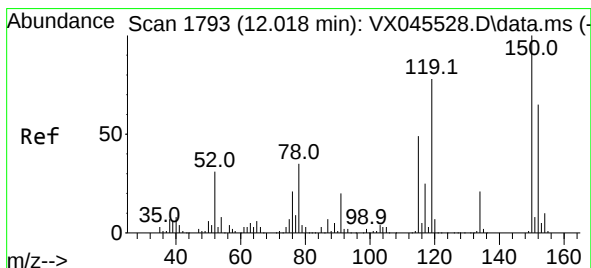
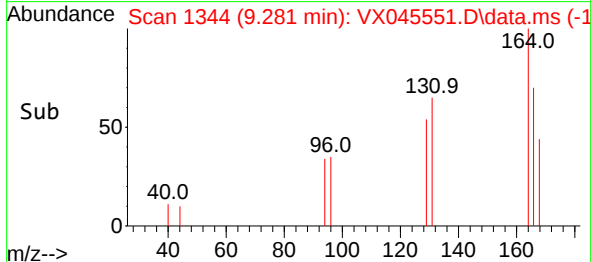
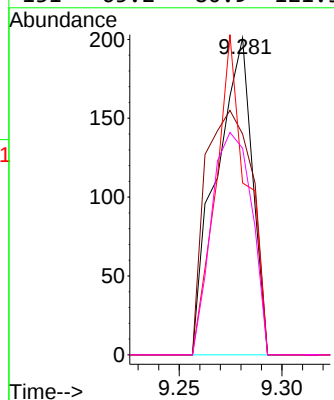
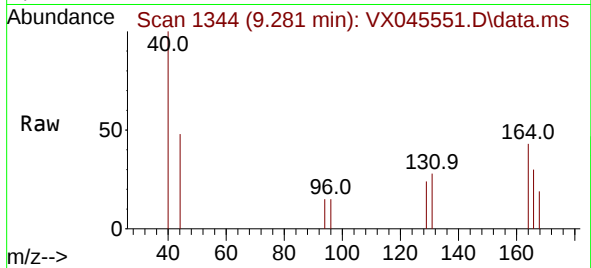




#64
Tetrachloroethene
Concen: 0.311 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.012 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

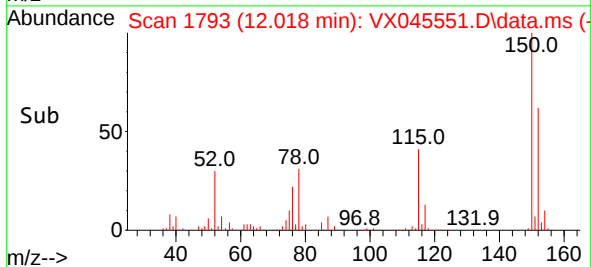
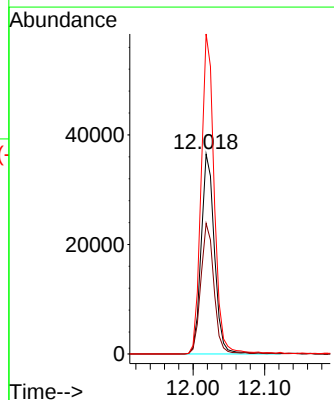
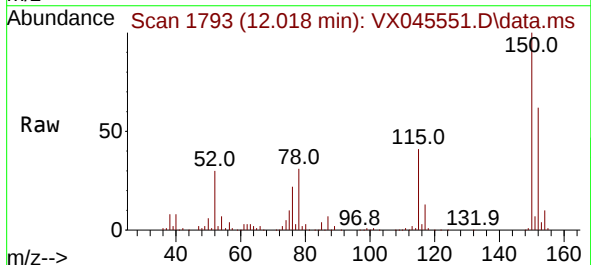
Instrument :
MSVOA_X
ClientSampleId :
IW-03-55-040125

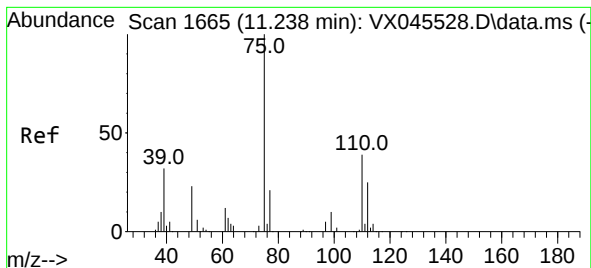
Tgt Ion:164 Resp: 244
Ion Ratio Lower Upper
164 100
166 69.7 103.8 155.8#
129 54.2 84.3 126.5#
131 65.2 80.9 121.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045551.D
Acq: 02 Apr 2025 16:51

Tgt Ion:152 Resp: 47106
Ion Ratio Lower Upper
152 100
115 64.4 46.9 140.7
150 157.5 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.059 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Instrument :

MSVOA_X

ClientSampleId :

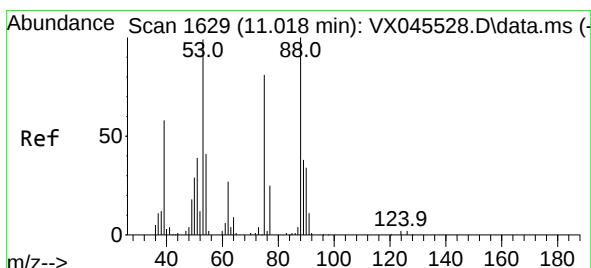
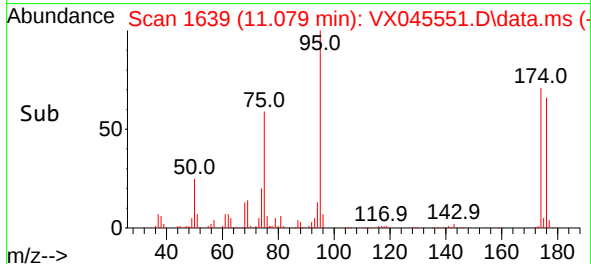
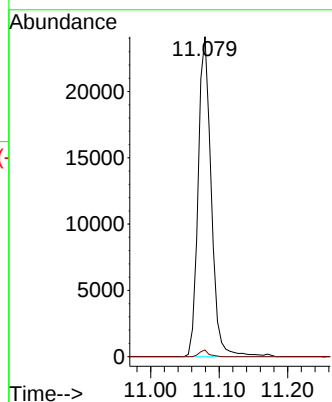
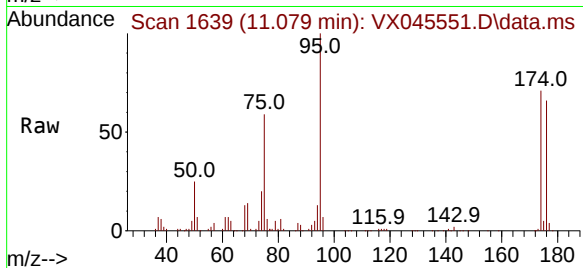
IW-03-55-040125

Tgt Ion: 75 Resp: 32241

Ion Ratio Lower Upper

75 100

77 1.5 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 95.230 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045551.D

Acq: 02 Apr 2025 16:51

Tgt Ion: 75 Resp: 32241

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.1 37.2 55.8#

