

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045543.D
 Acq On : 02 Apr 2025 13:44
 Operator : JC/MD
 Sample : Q1697-02DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-01-55-040125DL

Quant Time: Apr 03 01:51:27 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

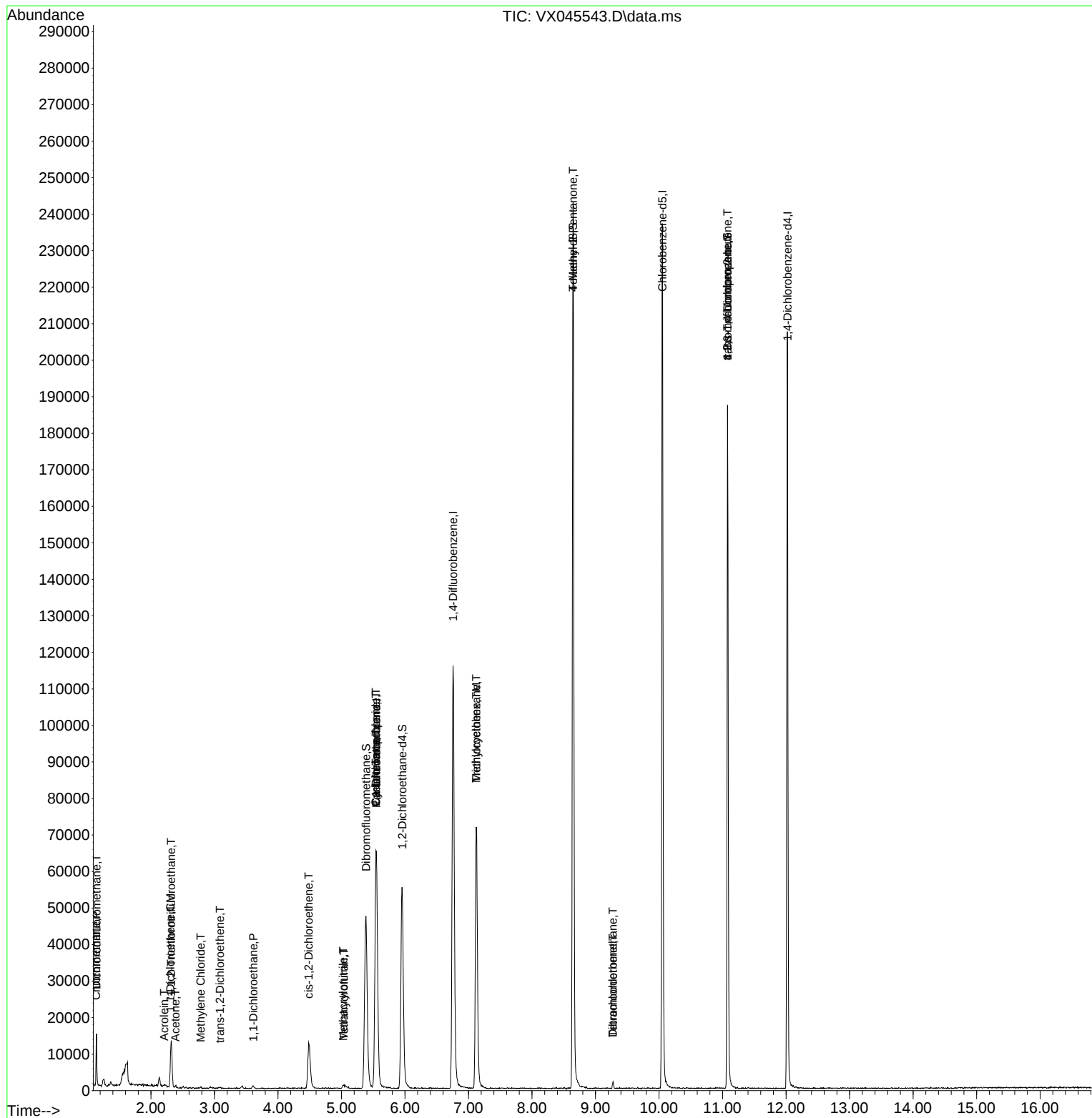
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	56974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	110887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	101352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	56619	54.342	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.680%	
35) Dibromofluoromethane	5.385	113	41436	52.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.340%	
50) Toluene-d8	8.647	98	139408	50.767	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	11.079	95	48330	48.318	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.142	85	1307	1.534	ug/l	85
3) Chloromethane	1.136	50	445	0.508	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.319	101	4473	6.390	ug/l	98
12) 1,1-Dichloroethene	2.306	96	580	0.848	ug/l	83
13) Acrolein	2.209	56	43	0.223	ug/l #	15
16) Acetone	2.386	43	607	1.419	ug/l	95
20) Methylene Chloride	2.782	84	182	0.227	ug/l #	68
21) trans-1,2-Dichloroethene	3.087	96	154	0.220	ug/l #	65
24) 1,1-Dichloroethane	3.611	63	984	0.681	ug/l #	83
27) cis-1,2-Dichloroethene	4.483	96	7830	9.197	ug/l	87
29) Tetrahydrofuran	5.038	42	979	2.411	ug/l #	55
31) Cyclohexane	5.544	56	1774	1.388	ug/l #	26
36) 1,1-Dichloropropene	5.544	75	5708	5.373	ug/l #	50
38) Carbon Tetrachloride	5.544	117	6561	5.715	ug/l #	16
39) Methylcyclohexane	7.123	83	386	0.296	ug/l #	1
41) Methacrylonitrile	5.025	41	644	0.912	ug/l #	24
44) Trichloroethene	7.123	130	26490	34.353	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	800	0.595	ug/l #	1
60) Dibromochloromethane	9.275	129	240	0.281	ug/l #	10
64) Tetrachloroethene	9.275	164	212	0.296	ug/l #	81
76) 1,2,3-Trichloropropane	11.079	75	27483	28.989	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	27483	98.384	ug/l #	1

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

Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

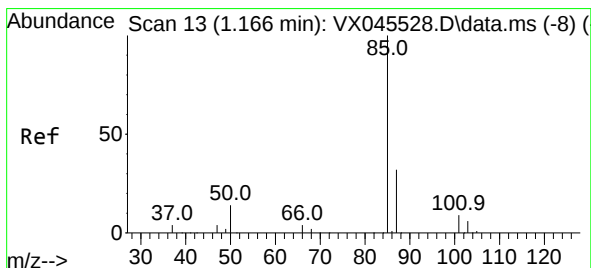
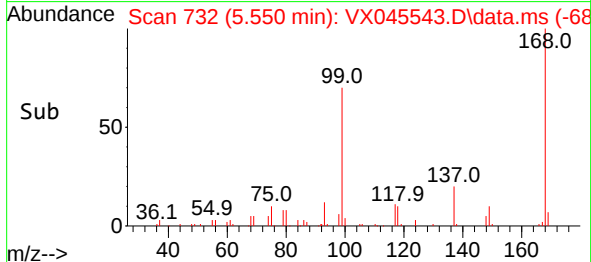
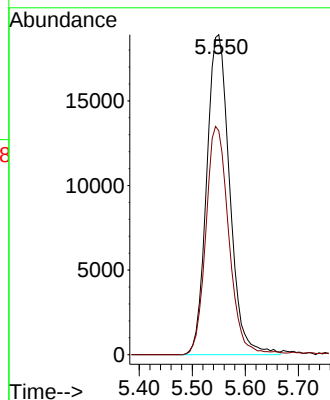
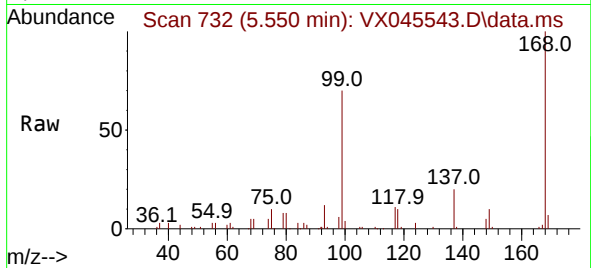




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

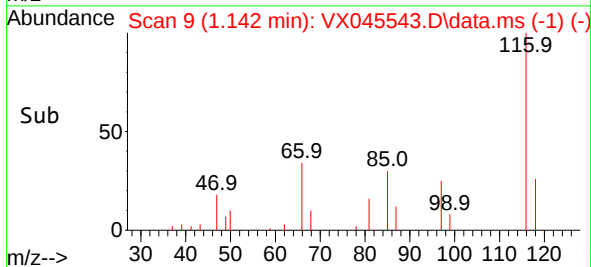
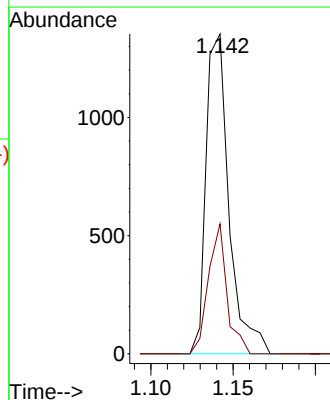
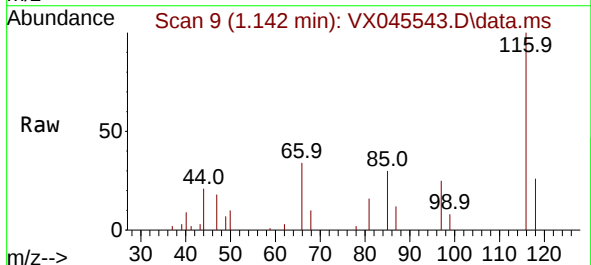
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

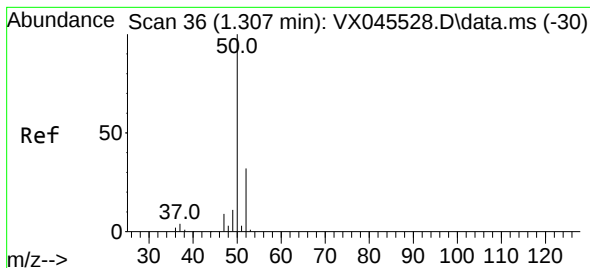
Tgt Ion:168 Resp: 56974
Ion Ratio Lower Upper
168 100
99 70.0 52.3 78.5



#2
Dichlorodifluoromethane
Concen: 1.534 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.024 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 85 Resp: 1307
Ion Ratio Lower Upper
85 100
87 40.7 16.1 48.2





#3

Chloromethane

Concen: 0.508 ug/l

RT: 1.136 min Scan# 8

Delta R.T. -0.171 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Instrument :

MSVOA_X

ClientSampleId :

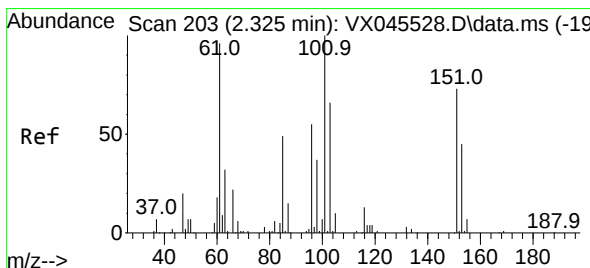
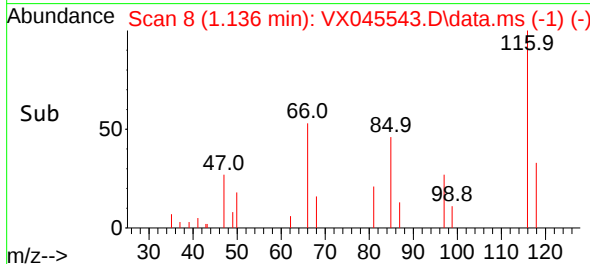
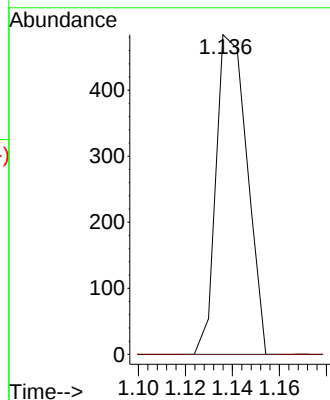
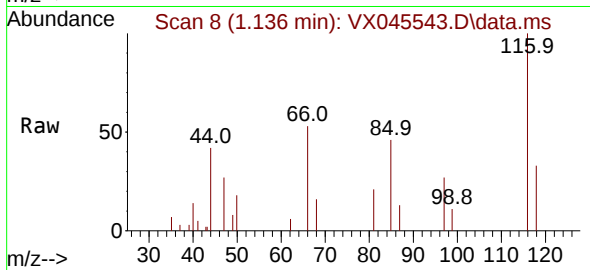
IW-01-55-040125DL

Tgt Ion: 50 Resp: 445

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.390 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.006 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

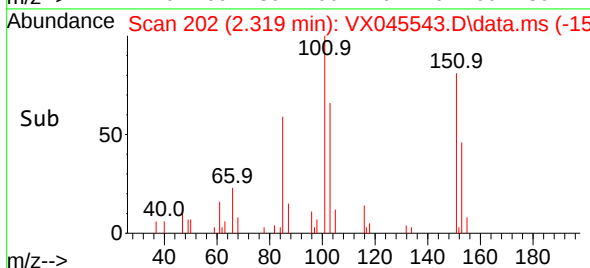
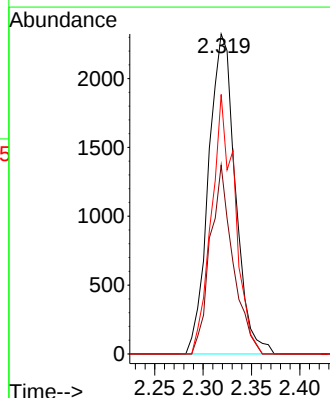
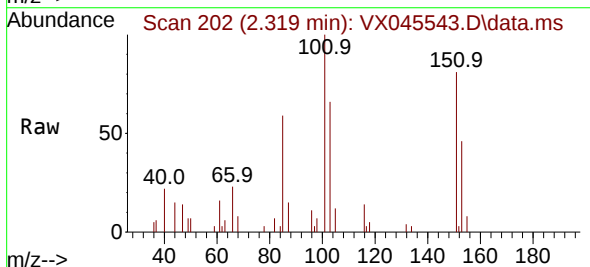
Tgt Ion: 101 Resp: 4473

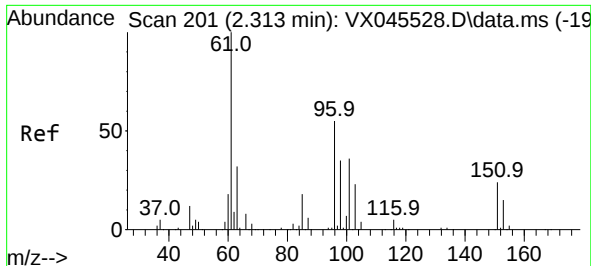
Ion Ratio Lower Upper

101 100

85 50.3 38.9 58.3

151 71.0 57.5 86.3





#12

1,1-Dichloroethene

Concen: 0.848 ug/l

RT: 2.306 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Instrument :

MSVOA_X

ClientSampleId :

IW-01-55-040125DL

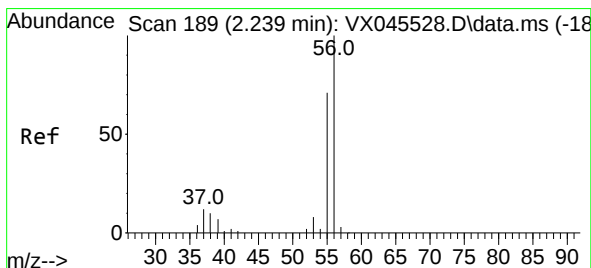
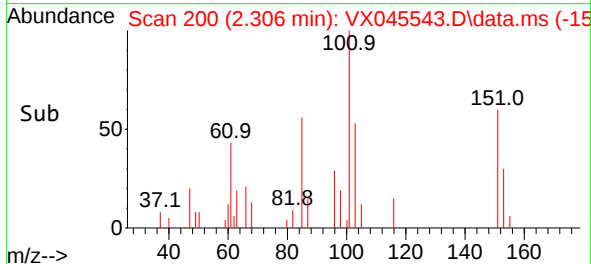
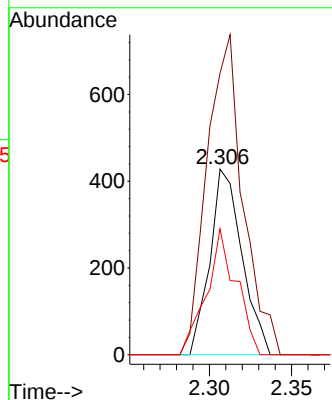
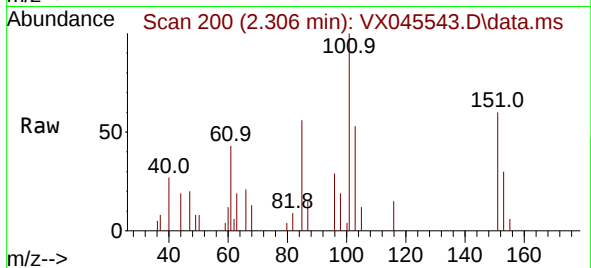
Tgt Ion: 96 Resp: 580

Ion Ratio Lower Upper

96 100

61 151.6 145.7 218.5

98 67.8 51.6 77.4



#13

Acrolein

Concen: 0.223 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.030 min

Lab File: VX045543.D

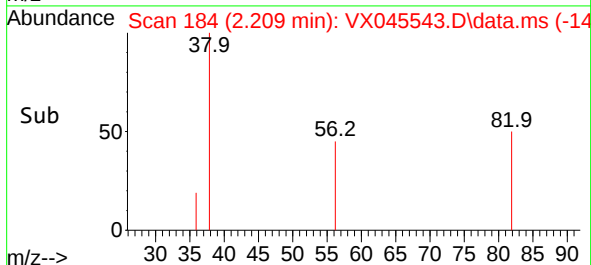
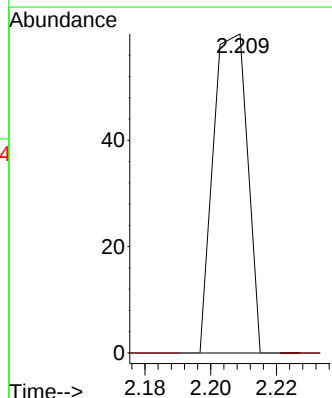
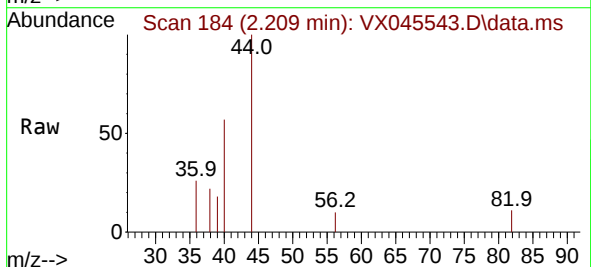
Acq: 02 Apr 2025 13:44

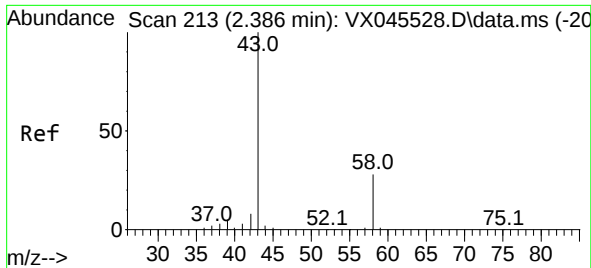
Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.2#

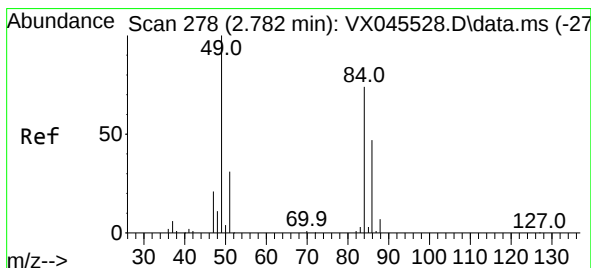
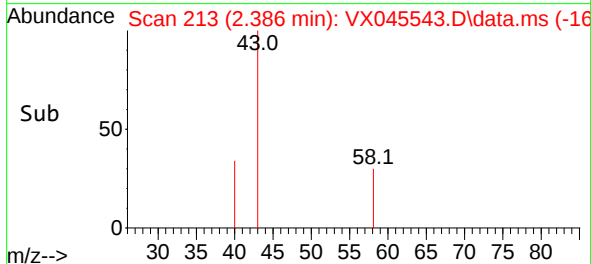
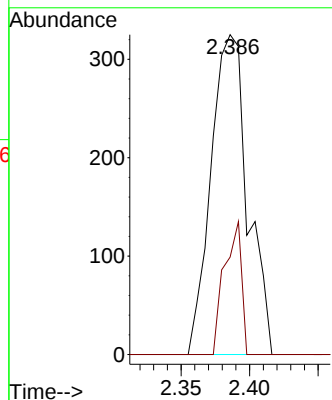
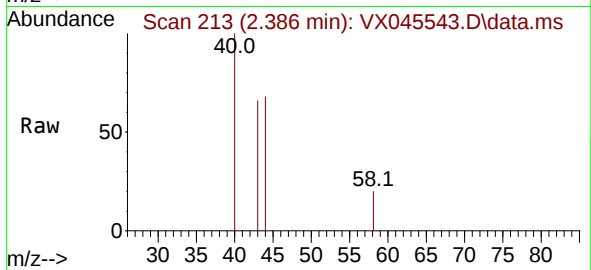




#16
Acetone
Concen: 1.419 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

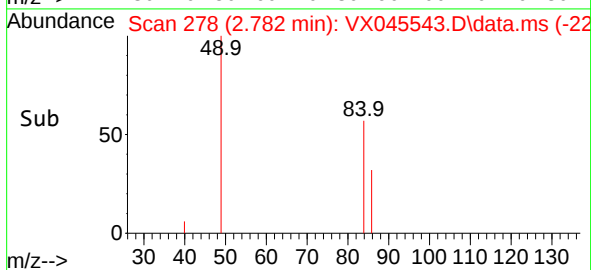
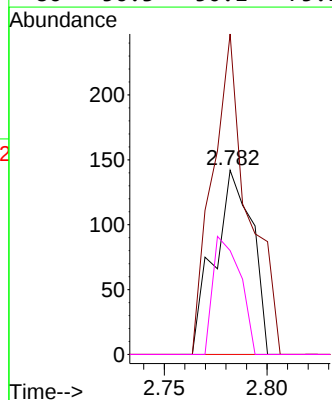
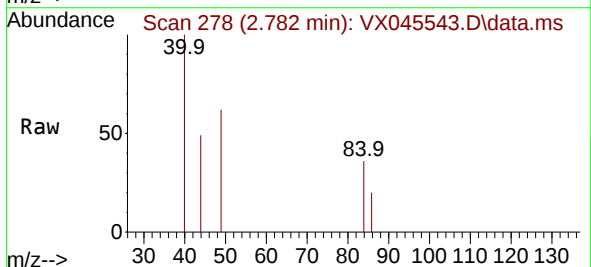
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

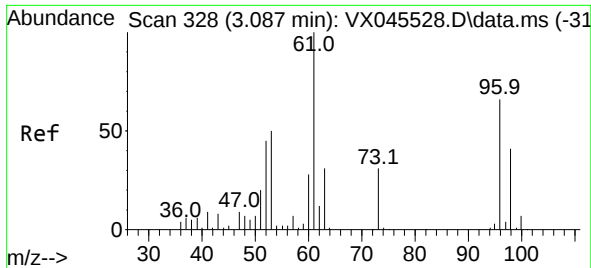
Tgt Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
58 30.5 22.3 33.5



#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 84 Resp: 182
Ion Ratio Lower Upper
84 100
49 173.9 107.5 161.3#
51 0.0 33.0 49.6#
86 56.3 50.1 75.1

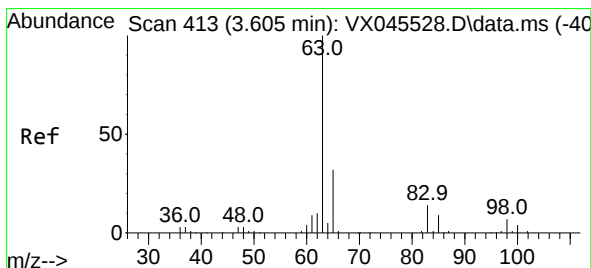
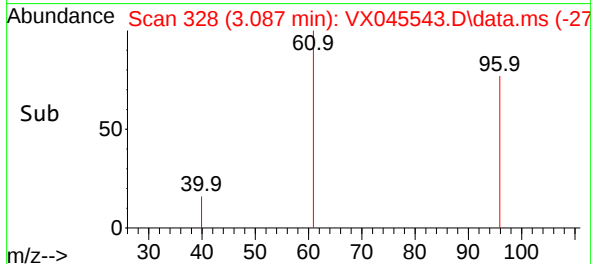
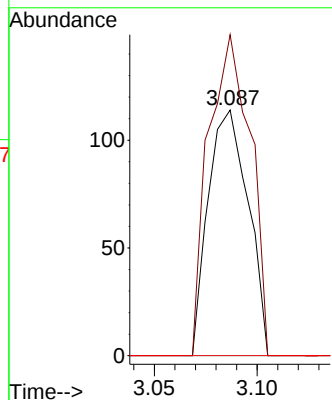
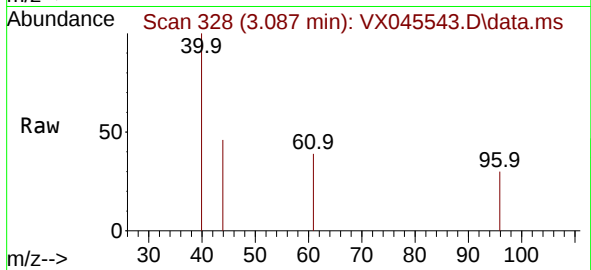




#21
trans-1,2-Dichloroethene
Concen: 0.220 ug/l
RT: 3.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

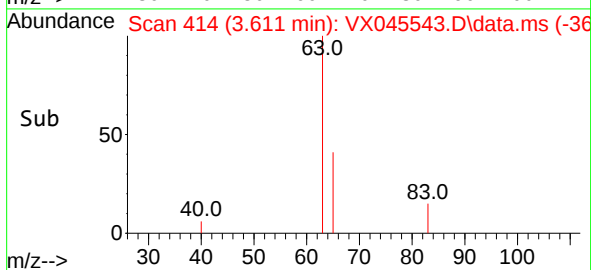
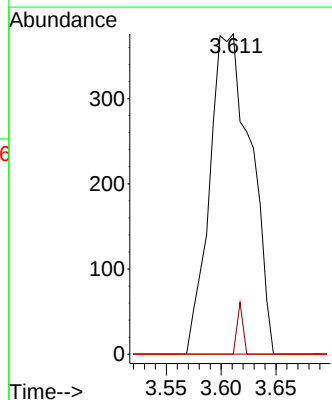
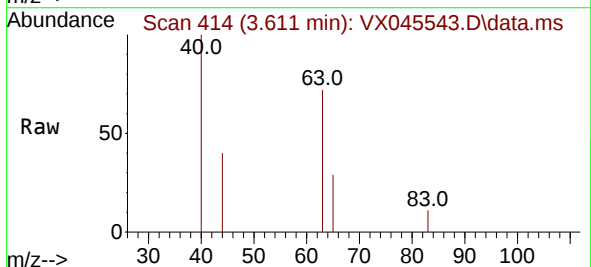
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

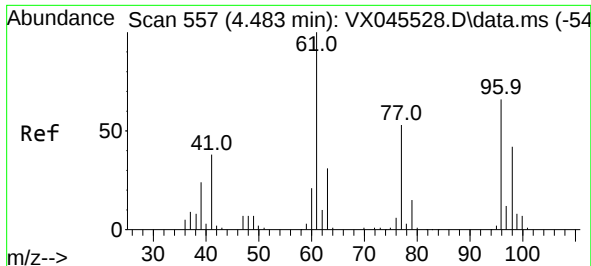
Tgt Ion: 96 Resp: 154
Ion Ratio Lower Upper
96 100
61 130.7 121.0 181.6
98 0.0 49.7 74.5#



#24
1,1-Dichloroethane
Concen: 0.681 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 63 Resp: 984
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: 9.197 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Instrument :

MSVOA_X

ClientSampleId :

IW-01-55-040125DL

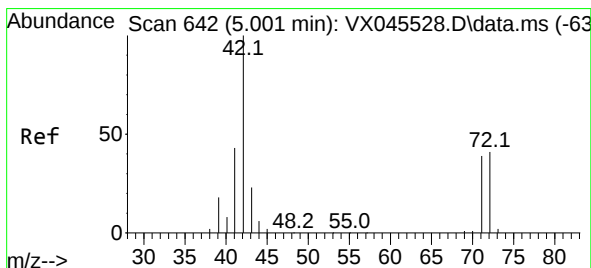
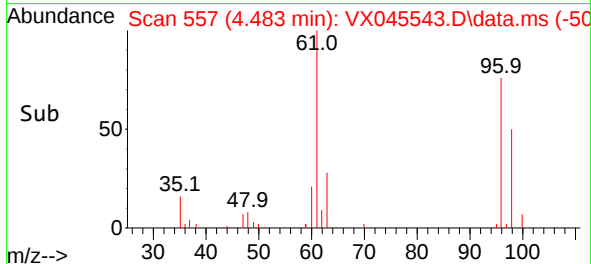
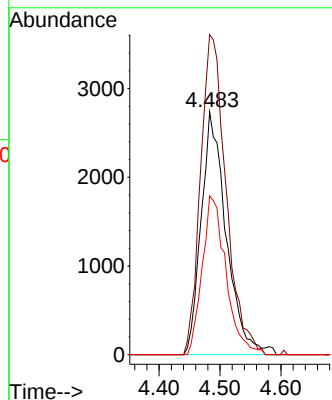
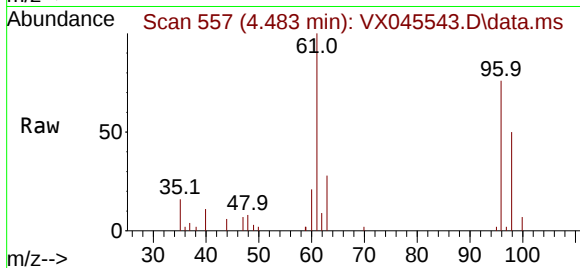
Tgt Ion: 96 Resp: 7830

Ion Ratio Lower Upper

96 100

61 134.1 0.0 313.2

98 62.0 0.0 126.4



#29

Tetrahydrofuran

Concen: 2.411 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.037 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

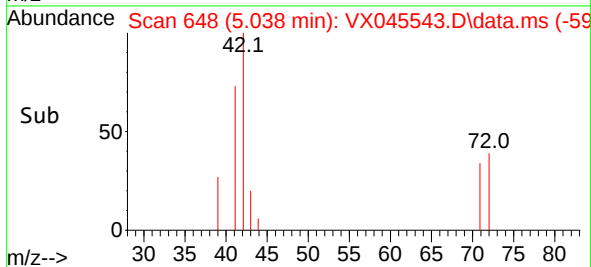
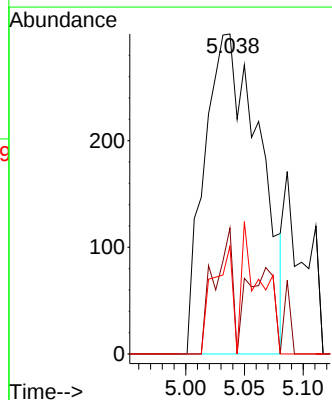
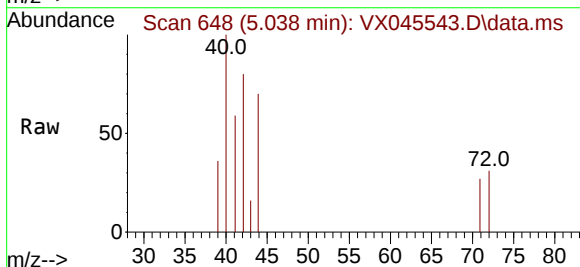
Tgt Ion: 42 Resp: 979

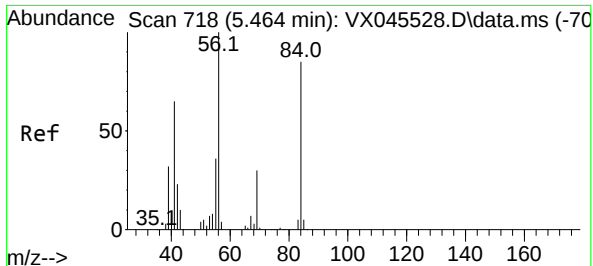
Ion Ratio Lower Upper

42 100

72 13.0 33.4 50.0#

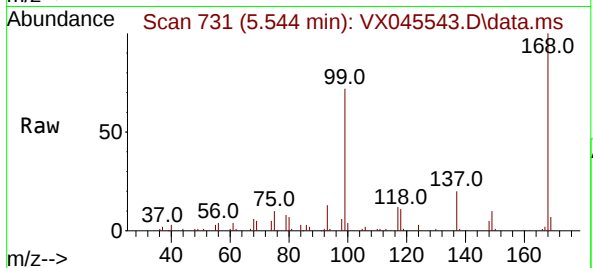
71 11.8 31.4 47.0#



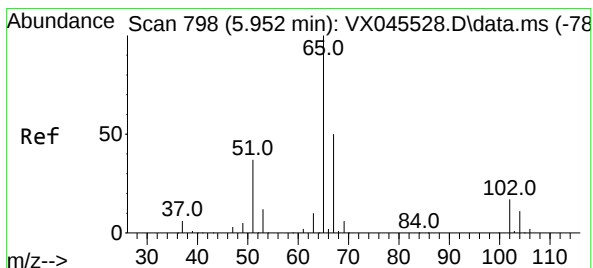
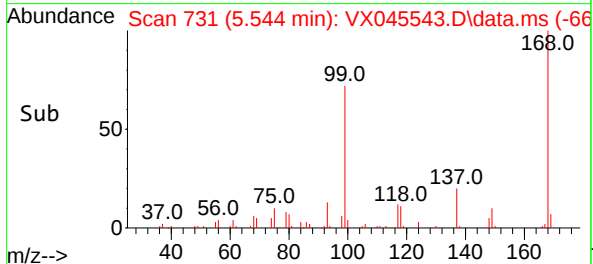
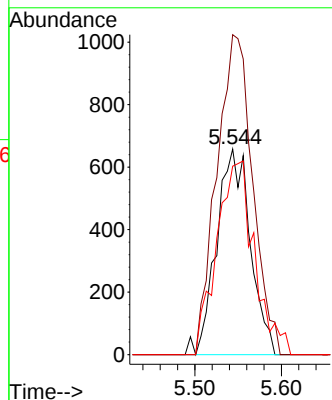


#31
Cyclohexane
Concen: 1.388 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

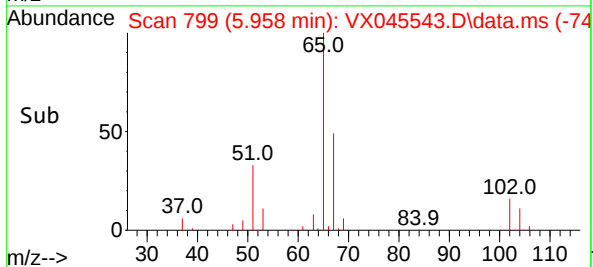
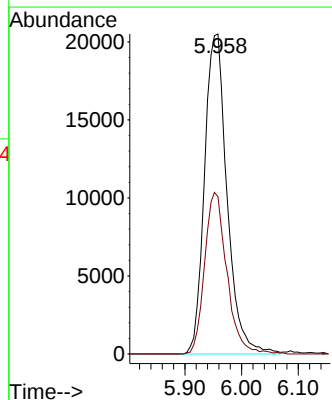
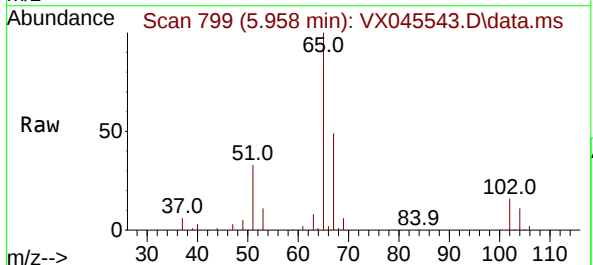


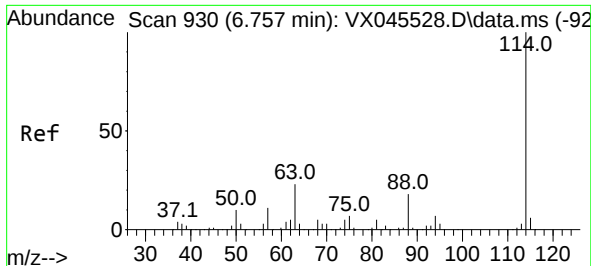
Tgt Ion: 56 Resp: 1774
Ion Ratio Lower Upper
56 100
69 155.6 23.6 35.4#
84 100.9 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 54.342 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 65 Resp: 56619
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0

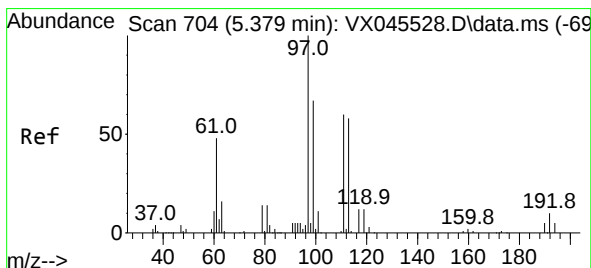
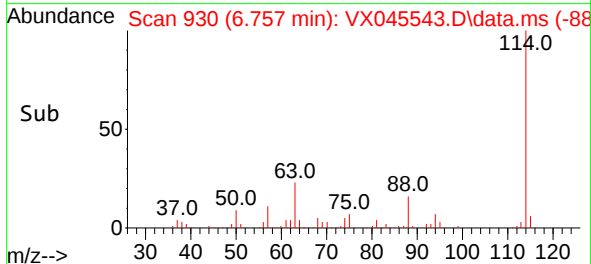
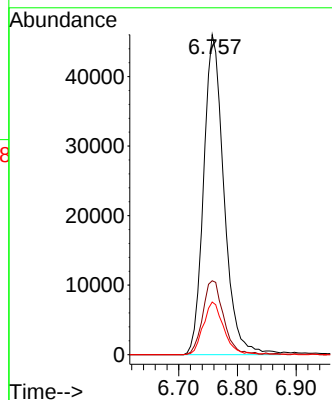
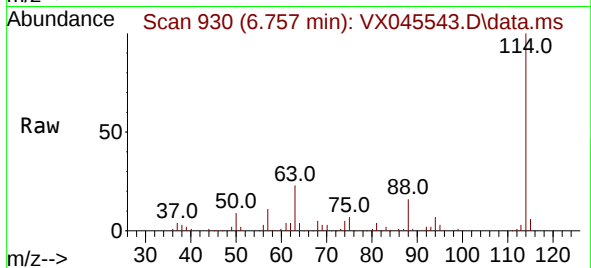




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

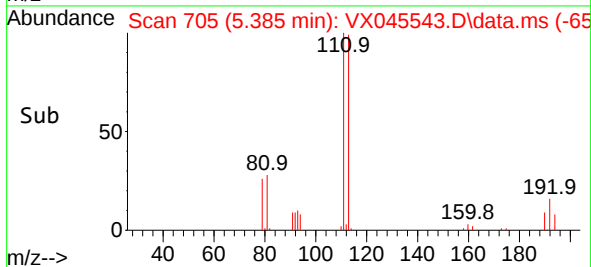
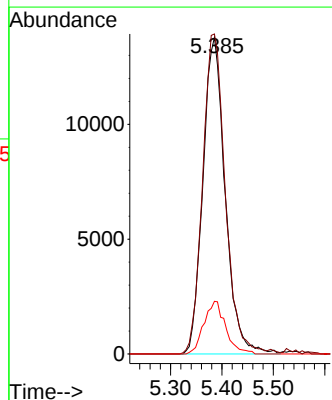
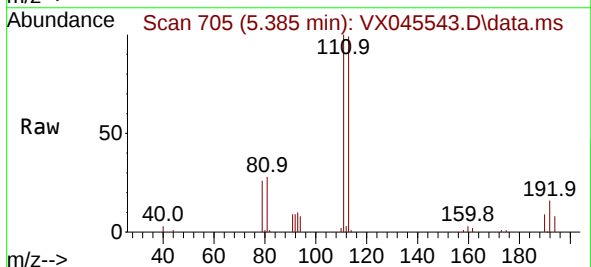
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

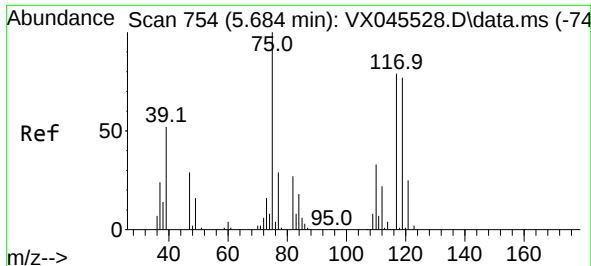
Tgt Ion:114 Resp: 110887
Ion Ratio Lower Upper
114 100
63 23.1 0.0 46.8
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.668 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion:113 Resp: 41436
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 16.3 13.8 20.6

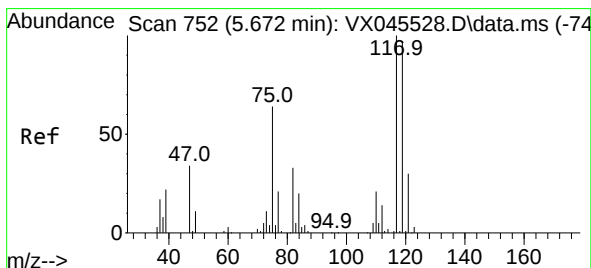
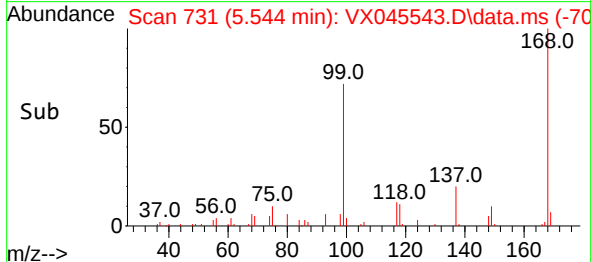
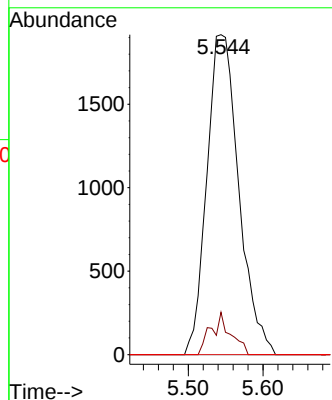
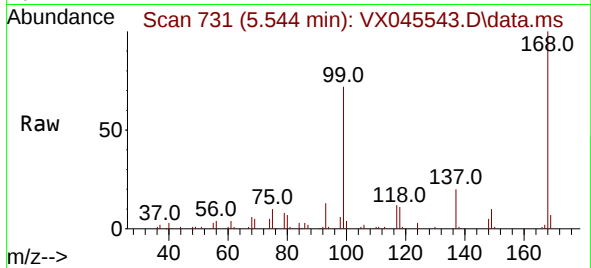




#36
1,1-Dichloropropene
Concen: 5.373 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

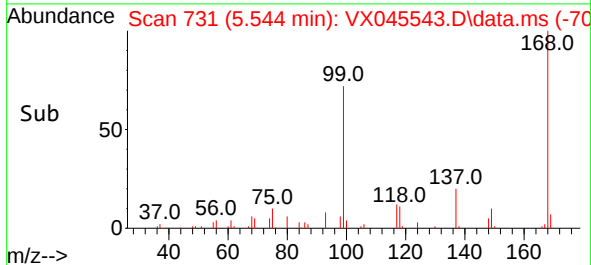
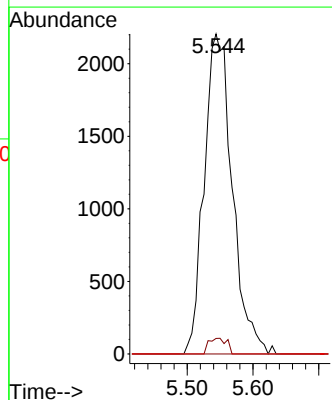
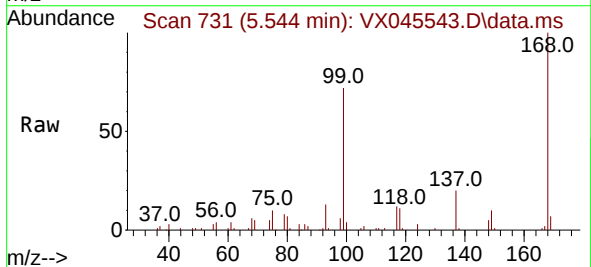
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

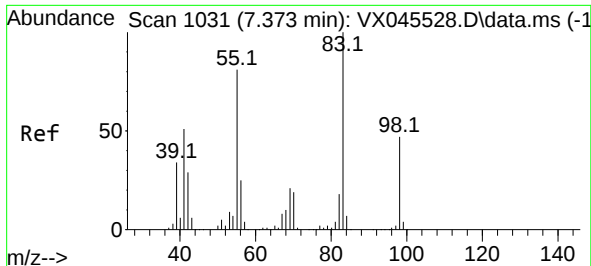
Tgt Ion: 75 Resp: 5708
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.715 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 117 Resp: 6561
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.296 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.250 min

Lab File: VX045543.D

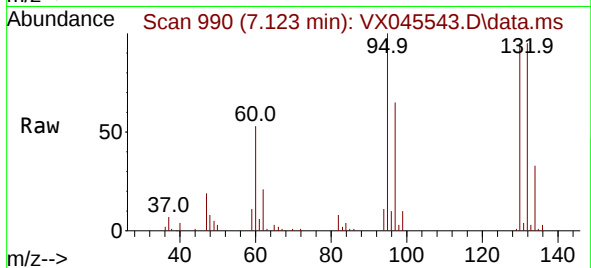
Acq: 02 Apr 2025 13:44

Instrument :

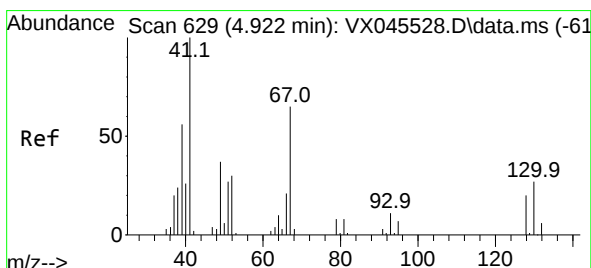
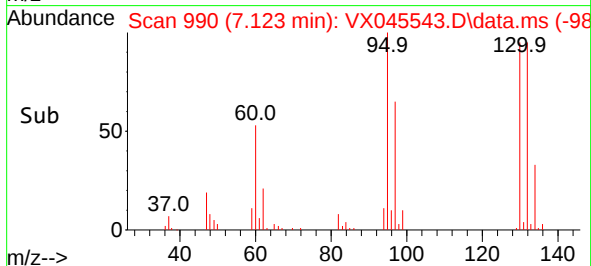
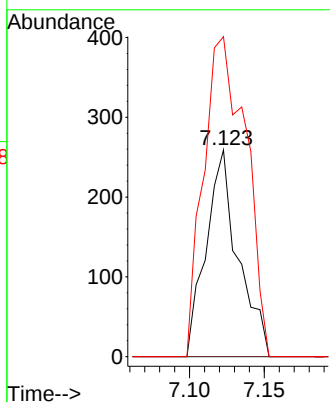
MSVOA_X

ClientSampleId :

IW-01-55-040125DL



Tgt Ion:	83	Resp:	386
Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.9	97.3#
98	154.8	37.4	56.0#



#41

Methacrylonitrile

Concen: 0.912 ug/l

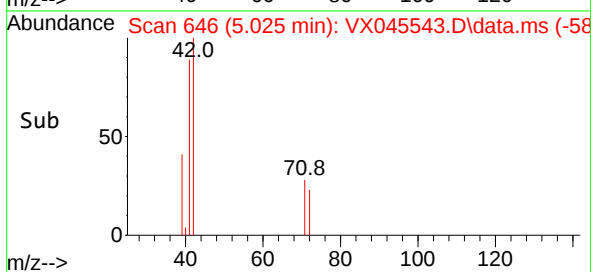
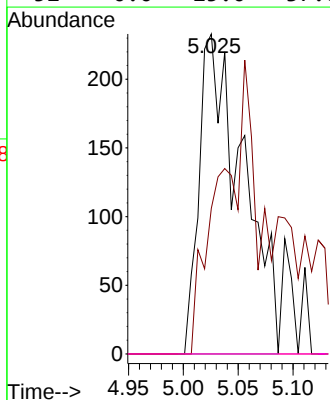
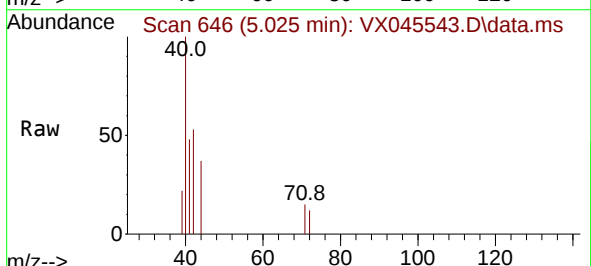
RT: 5.025 min Scan# 646

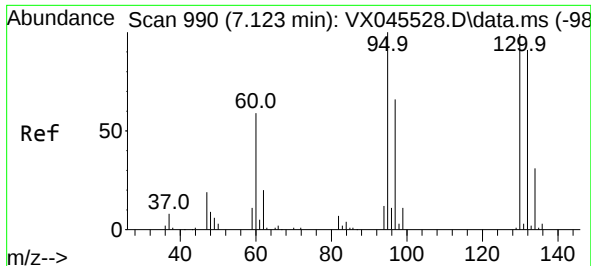
Delta R.T. 0.104 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Tgt Ion:	41	Resp:	644
Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#

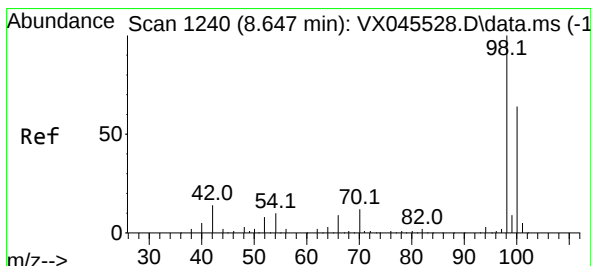
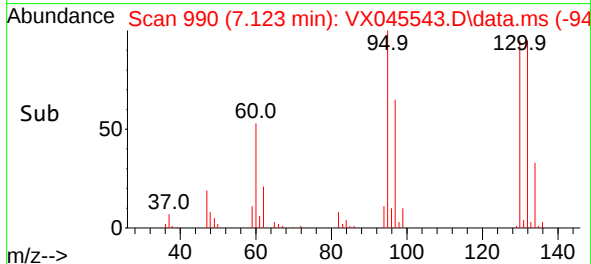
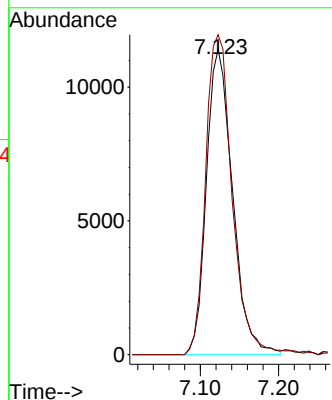
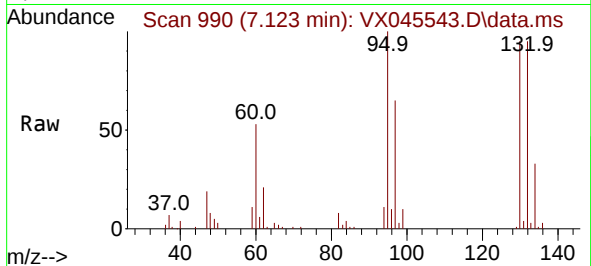




#44
 Trichloroethene
 Concen: 34.353 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. 0.000 min
 Lab File: VX045543.D
 Acq: 02 Apr 2025 13:44

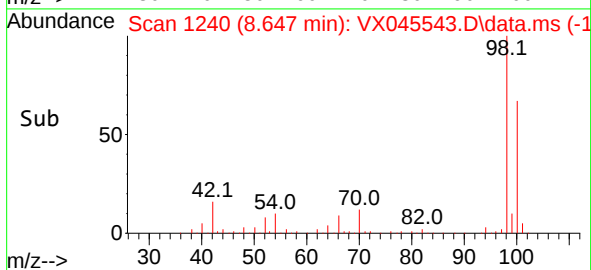
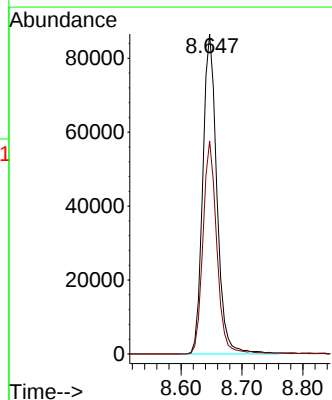
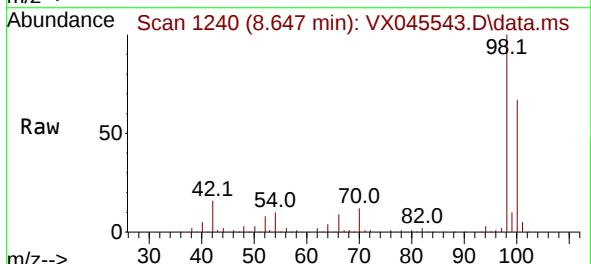
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-01-55-040125DL

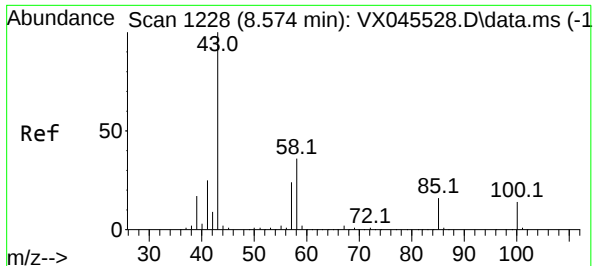
Tgt Ion:130 Resp: 26490
 Ion Ratio Lower Upper
 130 100
 95 104.8 0.0 202.0



#50
 Toluene-d8
 Concen: 50.767 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.000 min
 Lab File: VX045543.D
 Acq: 02 Apr 2025 13:44

Tgt Ion: 98 Resp: 139408
 Ion Ratio Lower Upper
 98 100
 100 65.3 52.2 78.4

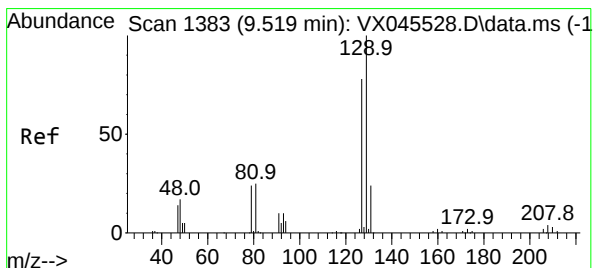
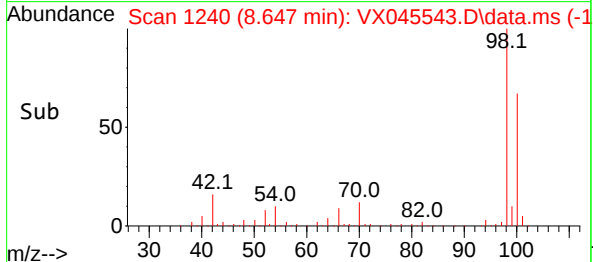
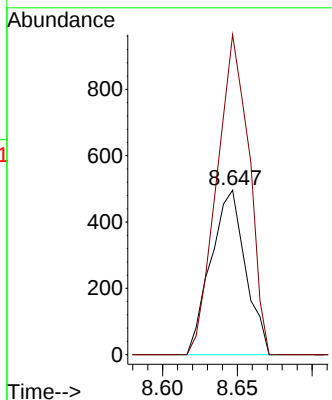
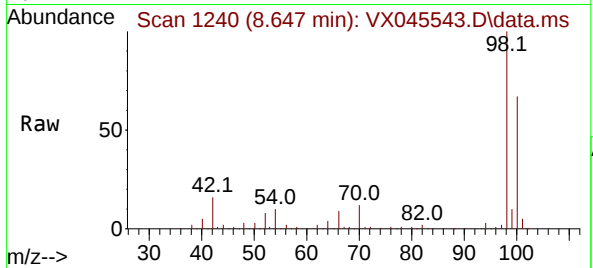




#51
4-Methyl-2-Pentanone
Concen: 0.595 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

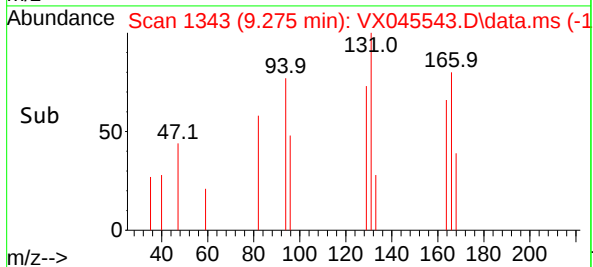
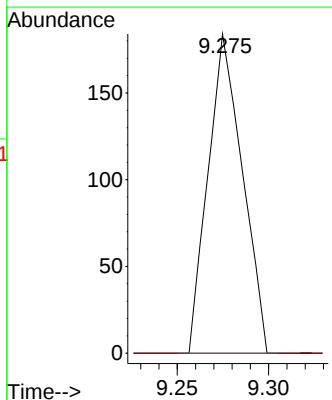
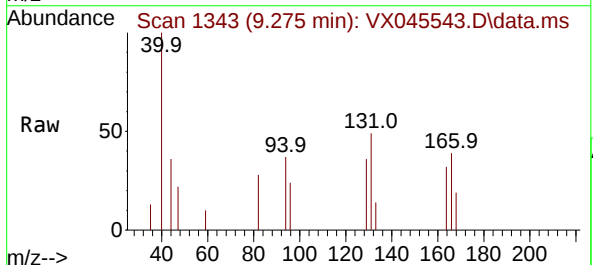
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

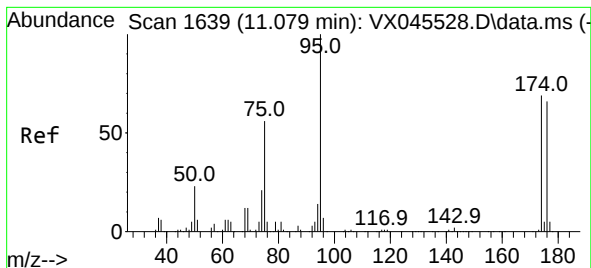
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 181.1 28.5 42.7#



#60
Dibromochloromethane
Concen: 0.281 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 129 Resp: 240
Ion Ratio Lower Upper
129 100
127 0.0 39.4 118.2#

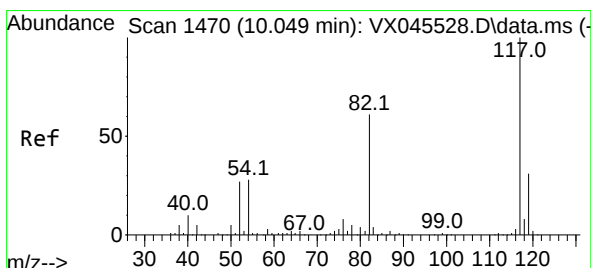
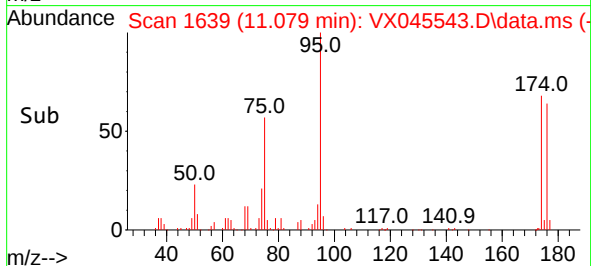
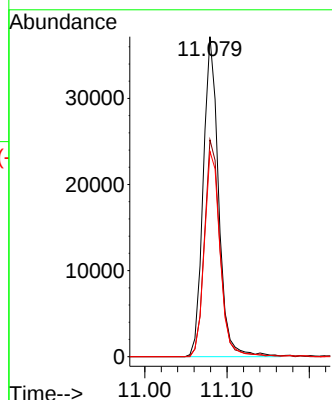
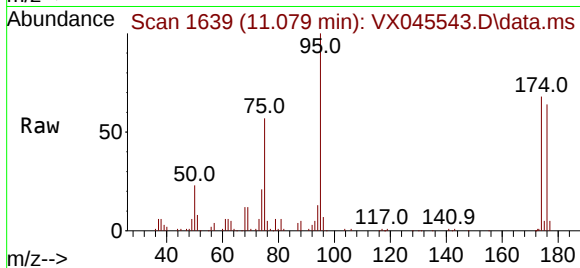




#62
4-Bromofluorobenzene
Concen: 48.318 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

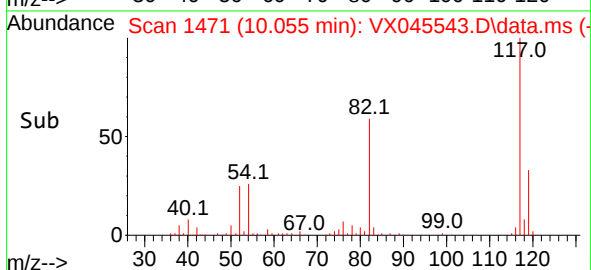
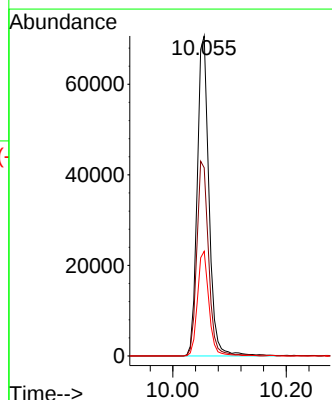
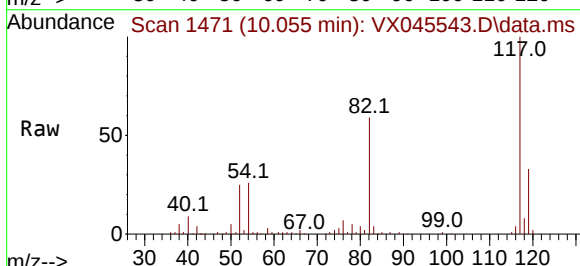
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

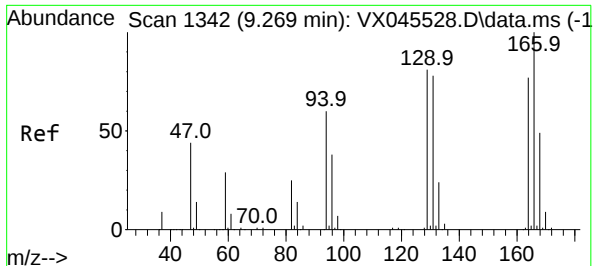
Tgt Ion: 95 Resp: 48330
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 66.1 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion: 117 Resp: 101352
Ion Ratio Lower Upper
117 100
82 58.8 49.2 73.8
119 32.7 25.1 37.7

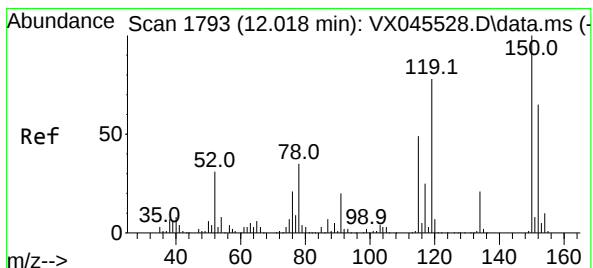
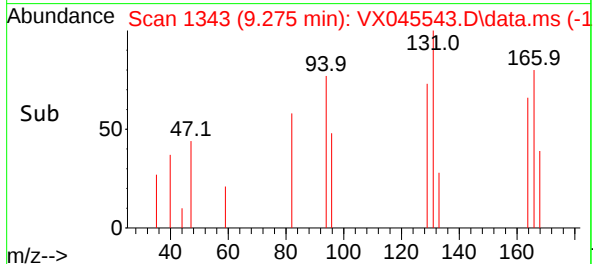
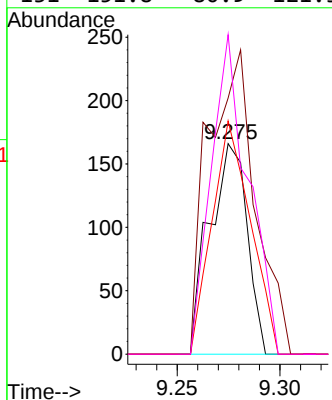
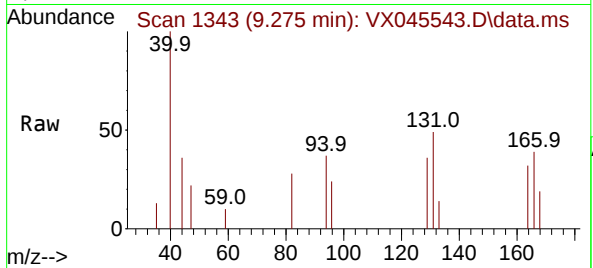




#64
Tetrachloroethene
Concen: 0.296 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

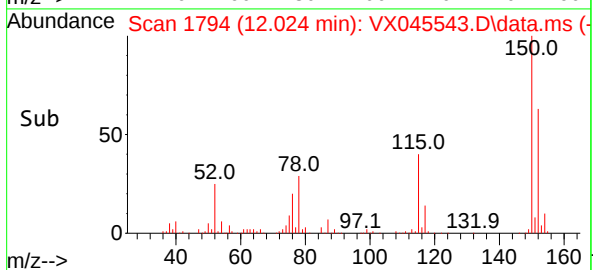
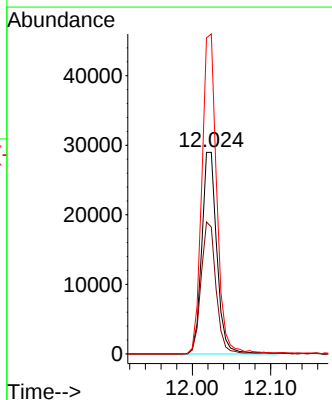
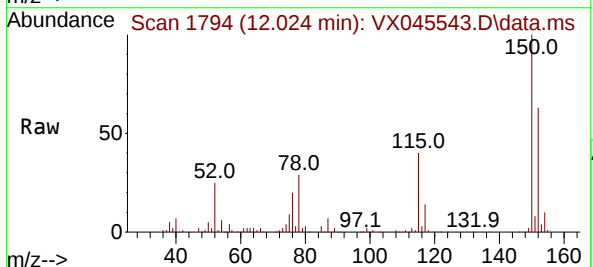
Instrument :
MSVOA_X
ClientSampleId :
IW-01-55-040125DL

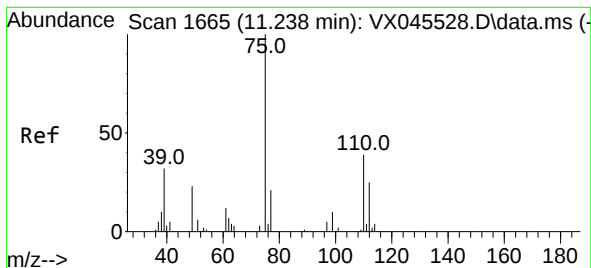
Tgt Ion:164 Resp: 212
Ion Ratio Lower Upper
164 100
166 121.7 103.8 155.8
129 110.8 84.3 126.5
131 151.8 80.9 121.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045543.D
Acq: 02 Apr 2025 13:44

Tgt Ion:152 Resp: 38867
Ion Ratio Lower Upper
152 100
115 65.3 46.9 140.7
150 156.9 0.0 349.4





#76

1,2,3-Trichloropropane

Concen: 28.989 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Instrument :

MSVOA_X

ClientSampleId :

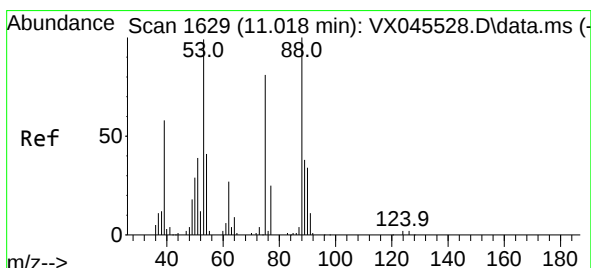
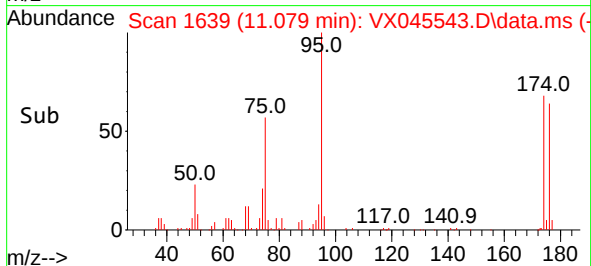
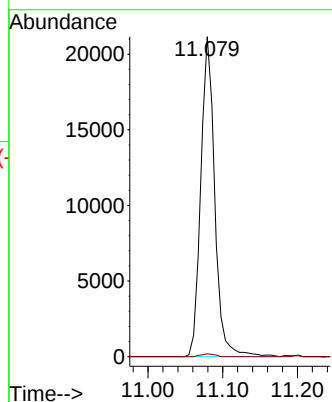
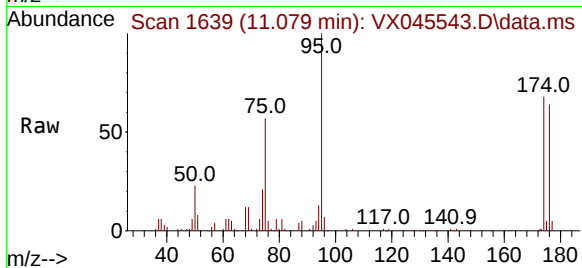
IW-01-55-040125DL

Tgt Ion: 75 Resp: 27483

Ion Ratio Lower Upper

75 100

77 0.9 20.0 59.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 98.384 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX045543.D

Acq: 02 Apr 2025 13:44

Tgt Ion: 75 Resp: 27483

Ion Ratio Lower Upper

75 100

53 0.0 101.8 152.6#

89 0.0 37.2 55.8#

