

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045544.D
 Acq On : 02 Apr 2025 14:07
 Operator : JC/MD
 Sample : Q1697-03 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

Quant Time: Apr 03 01:51:59 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)

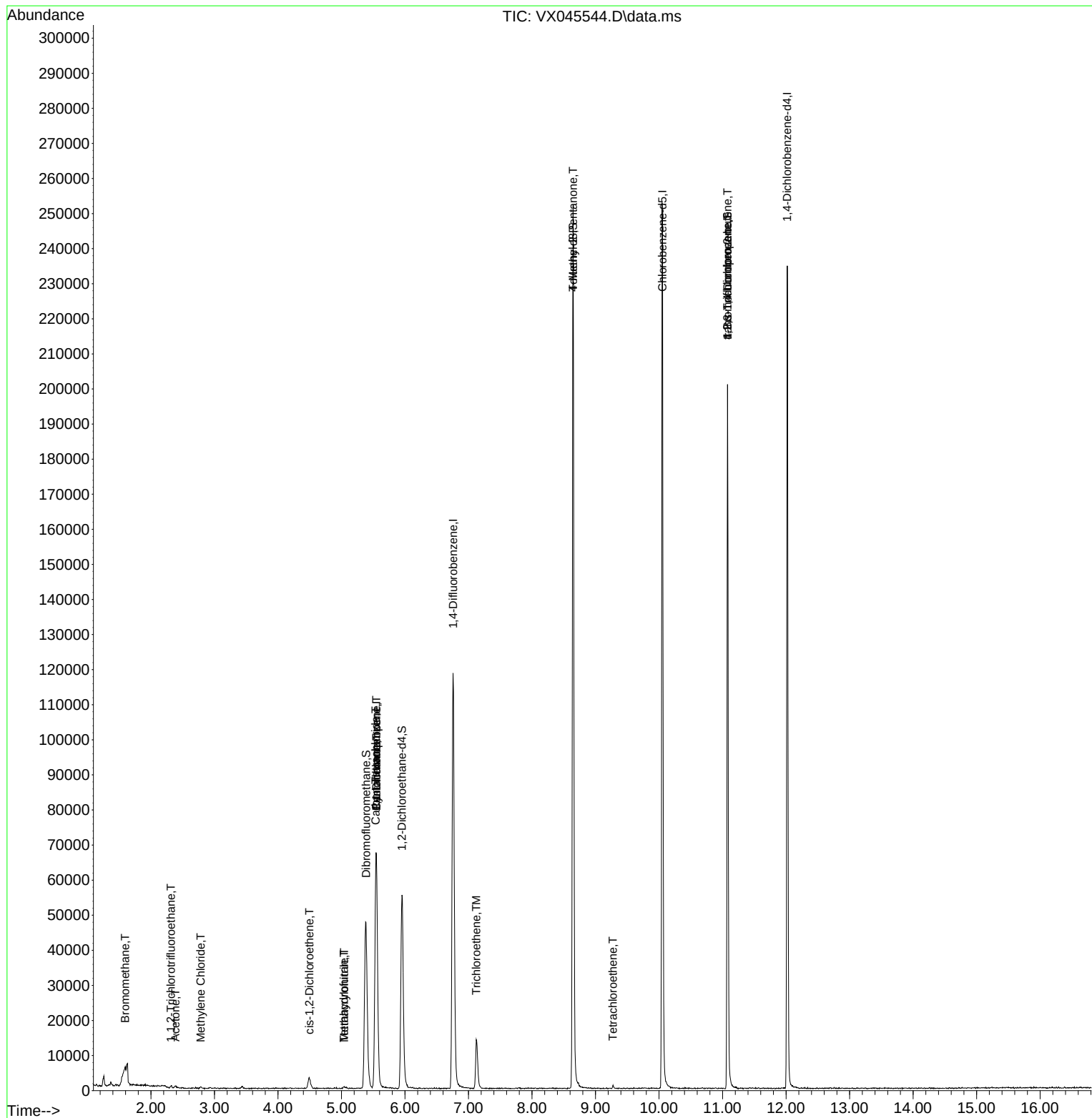
Internal Standards						
1) Pentafluorobenzene	5.550	168	59527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	114032	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	44255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56328	51.744	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.480%	
35) Dibromofluoromethane	5.385	113	41833	51.706	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.420%	
50) Toluene-d8	8.647	98	142926	50.612	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.220%	
62) 4-Bromofluorobenzene	11.079	95	52163	50.712	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	96	0.242	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.312	101	253	0.346	ug/l #	82
16) Acetone	2.386	43	688	1.539	ug/l	97
20) Methylene Chloride	2.782	84	194	0.232	ug/l #	50
27) cis-1,2-Dichloroethene	4.495	96	2194	2.467	ug/l	84
29) Tetrahydrofuran	5.038	42	237	0.559	ug/l #	42
31) Cyclohexane	5.550	56	1648	1.234	ug/l #	46
36) 1,1-Dichloropropene	5.550	75	5933	5.431	ug/l #	51
38) Carbon Tetrachloride	5.537	117	6955	5.891	ug/l #	16
41) Methacrylonitrile	5.044	41	231	0.318	ug/l #	38
44) Trichloroethene	7.123	130	5297	6.680	ug/l	87
51) 4-Methyl-2-Pentanone	8.647	43	720	0.521	ug/l #	1
64) Tetrachloroethene	9.275	164	157	0.210	ug/l #	85
76) 1,2,3-Trichloropropane	11.079	75	30104	27.887	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30104	94.646	ug/l #	1

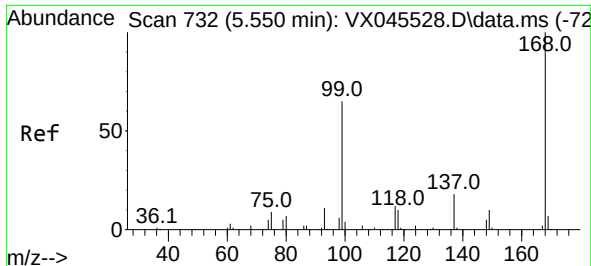
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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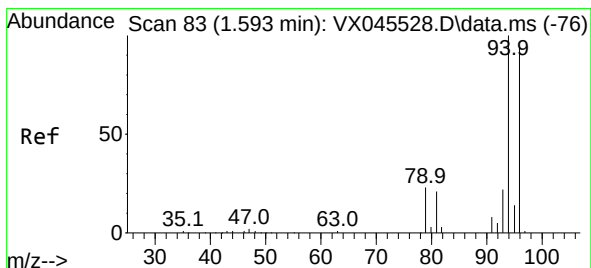
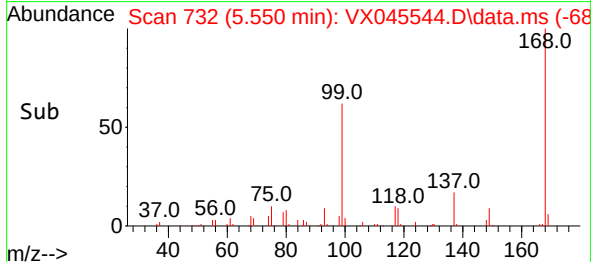
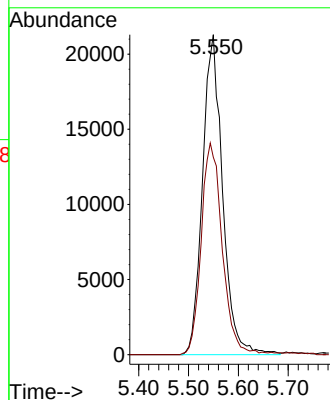
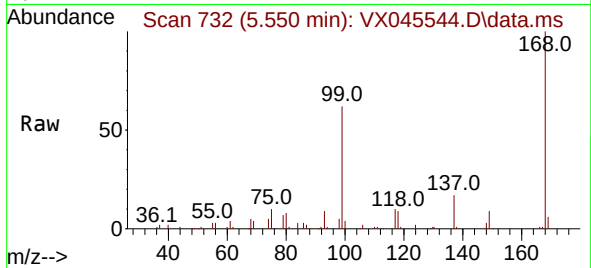




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

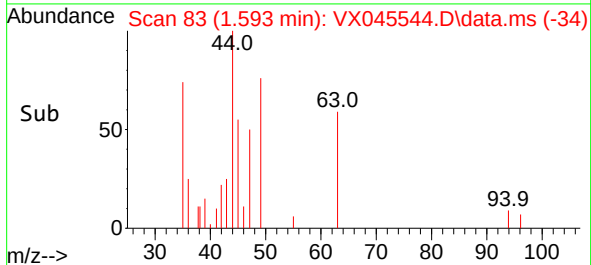
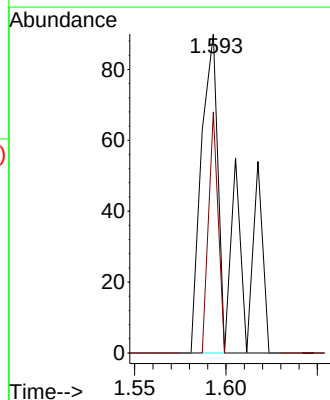
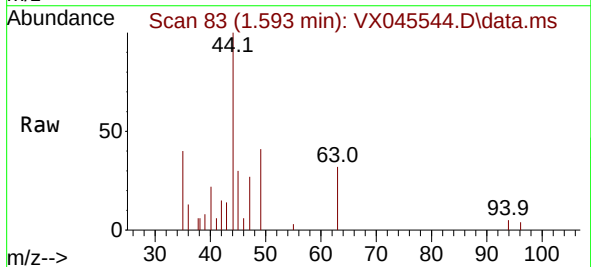
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

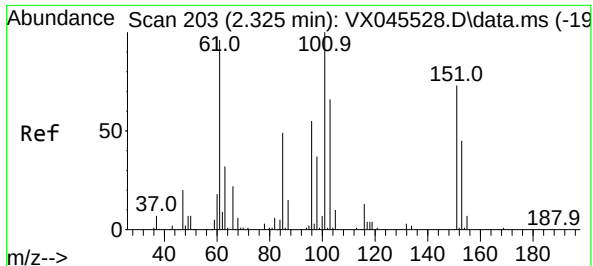
Tgt Ion:168 Resp: 59527
Ion Ratio Lower Upper
168 100
99 61.7 52.3 78.5



#5
Bromomethane
Concen: 0.242 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion: 94 Resp: 96
Ion Ratio Lower Upper
94 100
96 75.6 74.8 112.2

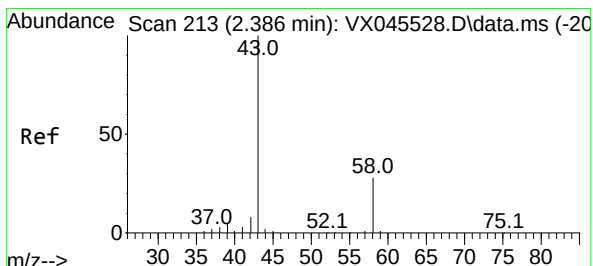
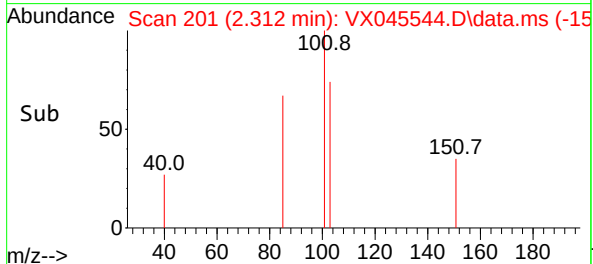
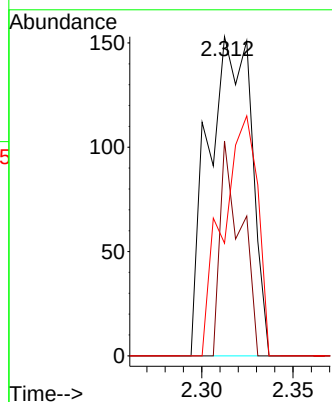
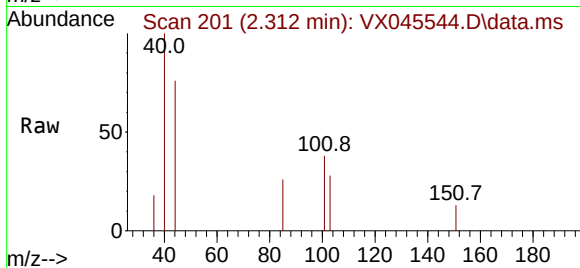




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.346 ug/l
 RT: 2.312 min Scan# 201
 Delta R.T. -0.012 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

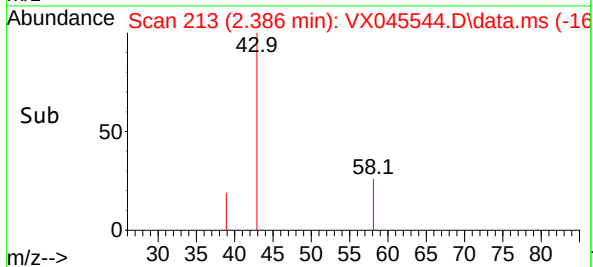
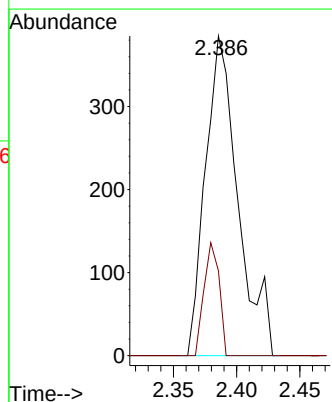
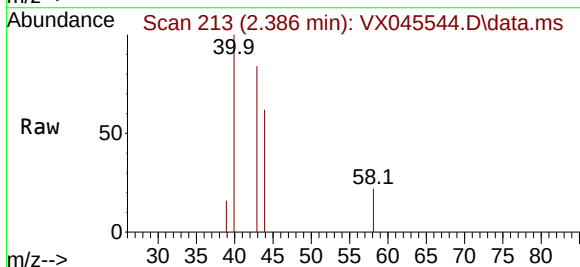
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

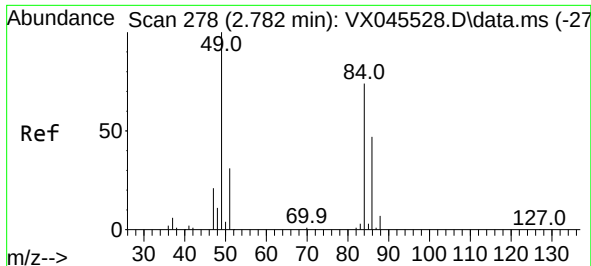
Tgt Ion:101 Resp: 253
 Ion Ratio Lower Upper
 101 100
 85 32.8 38.9 58.3#
 151 60.5 57.5 86.3



#16
 Acetone
 Concen: 1.539 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

Tgt Ion: 43 Resp: 688
 Ion Ratio Lower Upper
 43 100
 58 26.5 22.3 33.5

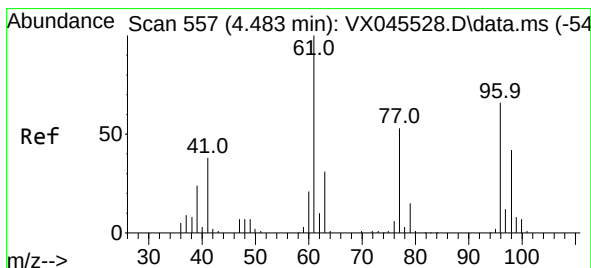
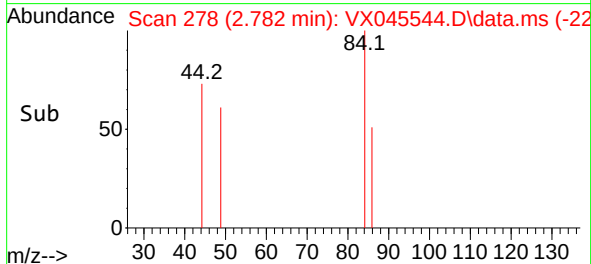
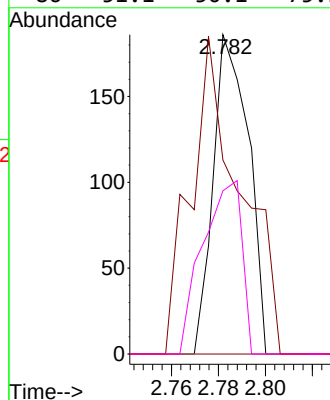
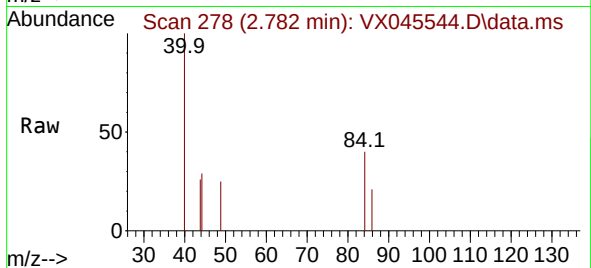




#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

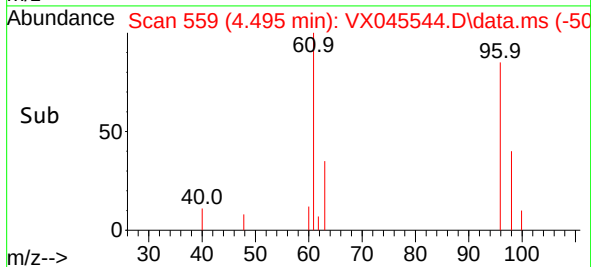
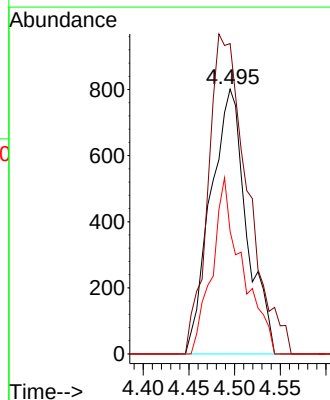
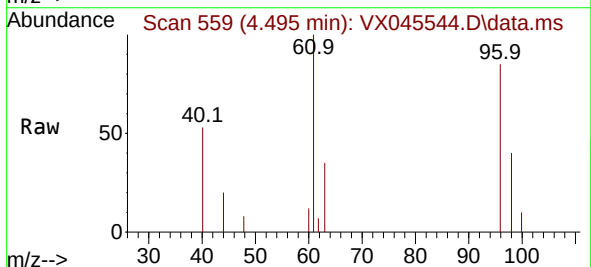
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

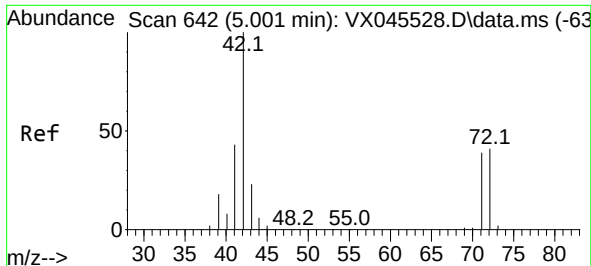
Tgt Ion:	84	Resp:	194
Ion	Ratio	Lower	Upper
84	100		
49	60.8	107.5	161.3#
51	0.0	33.0	49.6#
86	51.1	50.1	75.1



#27
cis-1,2-Dichloroethene
Concen: 2.467 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.012 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion:	96	Resp:	2194
Ion	Ratio	Lower	Upper
96	100		
61	131.9	0.0	313.2
98	55.5	0.0	126.4





#29

Tetrahydrofuran

Concen: 0.559 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX045544.D

Acq: 02 Apr 2025 14:07

Instrument :

MSVOA_X

ClientSampleId :

IW-02-55-040125

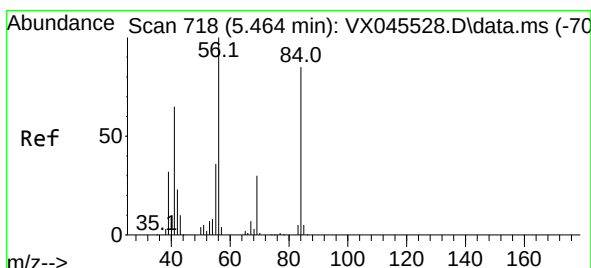
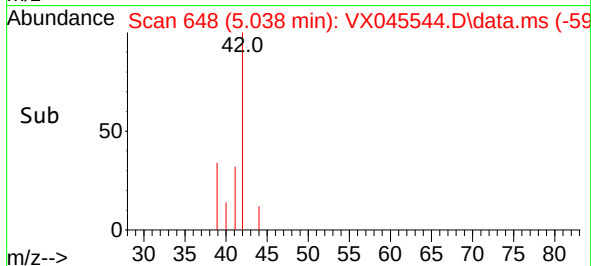
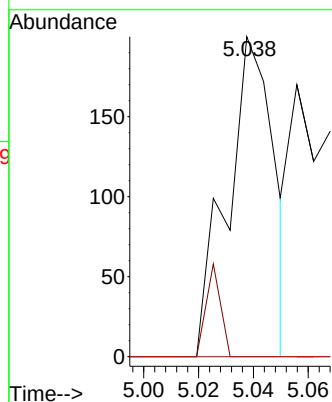
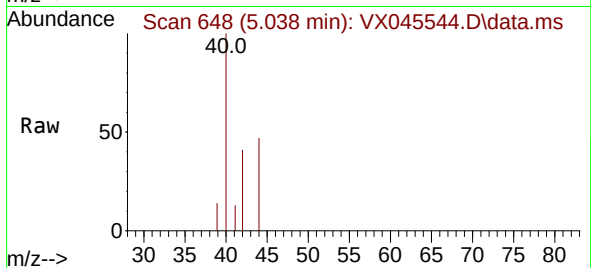
Tgt Ion: 42 Resp: 237

Ion Ratio Lower Upper

42 100

72 8.9 33.4 50.0#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.234 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045544.D

Acq: 02 Apr 2025 14:07

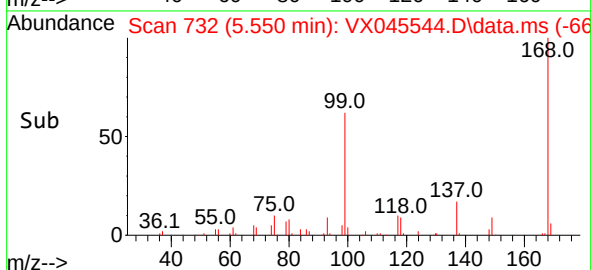
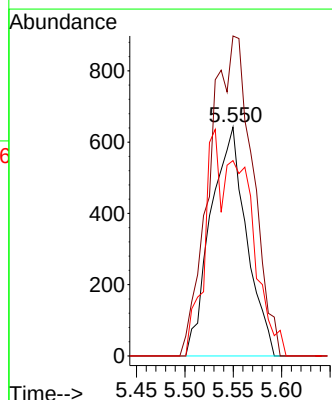
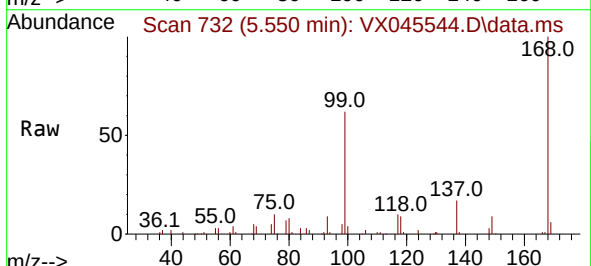
Tgt Ion: 56 Resp: 1648

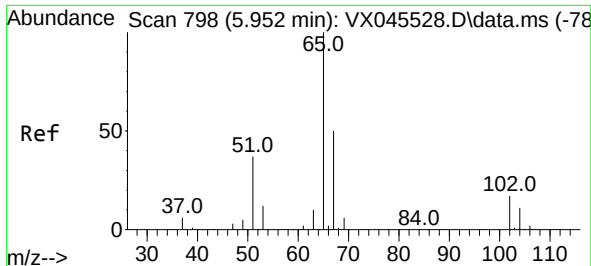
Ion Ratio Lower Upper

56 100

69 139.9 23.6 35.4#

84 85.4 67.7 101.5

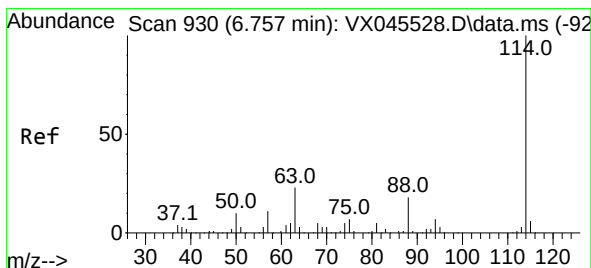
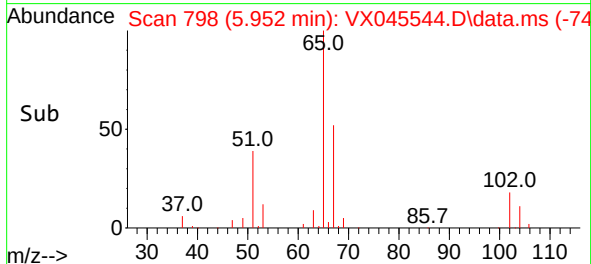
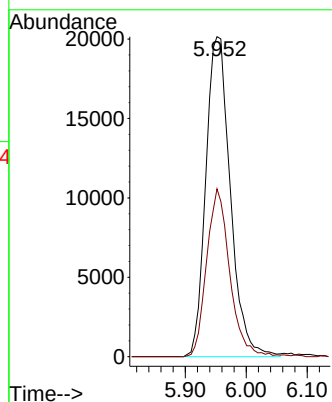
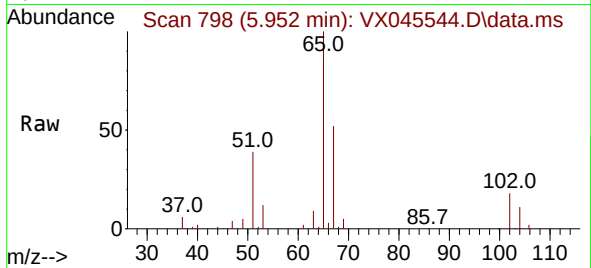




#33
 1,2-Dichloroethane-d4
 Concen: 51.744 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

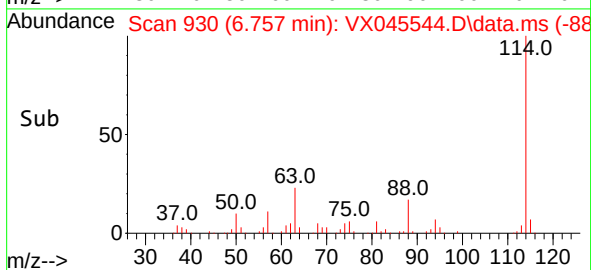
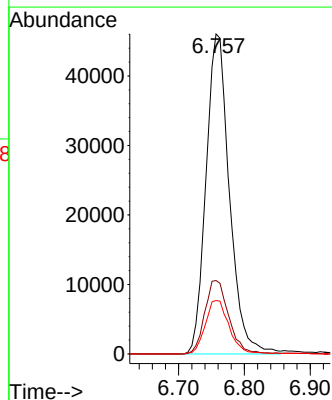
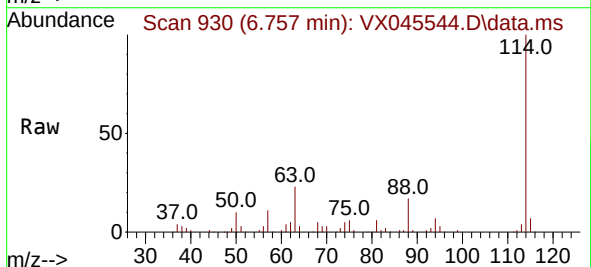
Instrument :
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 IW-02-55-040125

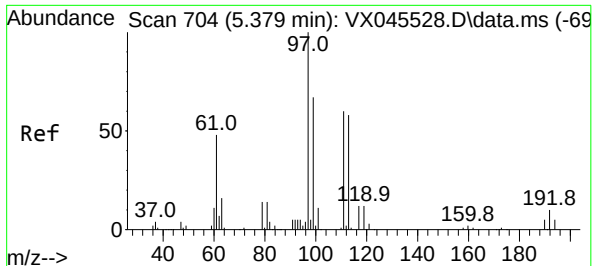
Tgt Ion: 65 Resp: 56328
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

Tgt Ion: 114 Resp: 114032
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.8
 88 16.7 0.0 35.4

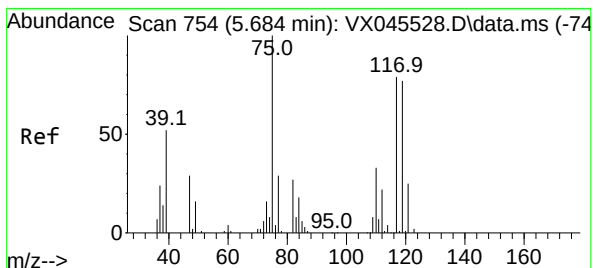
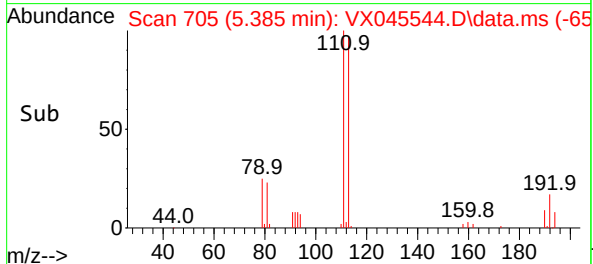
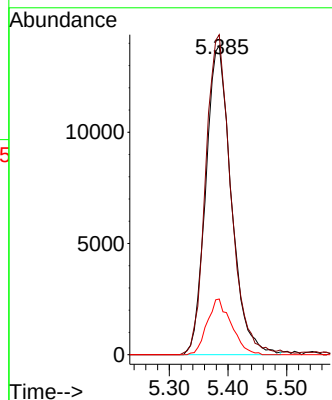
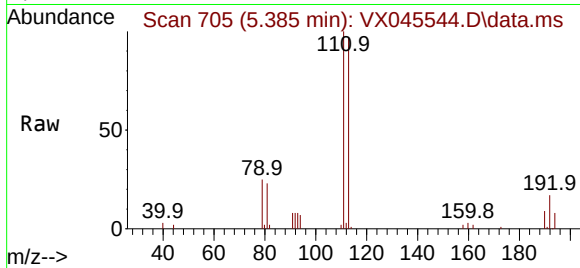




#35
Dibromofluoromethane
Concen: 51.706 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

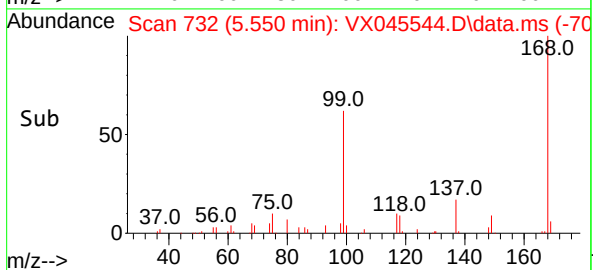
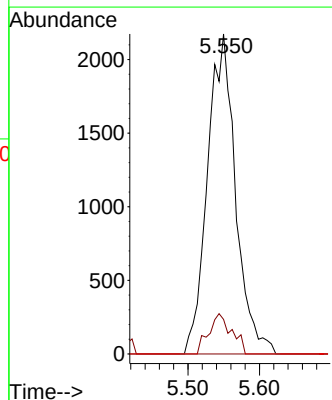
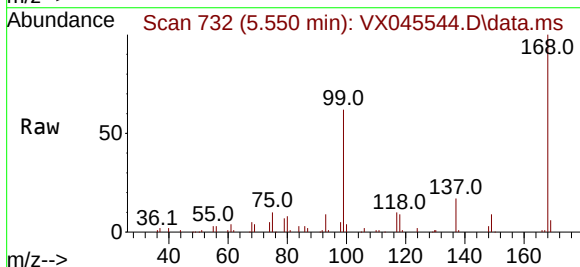
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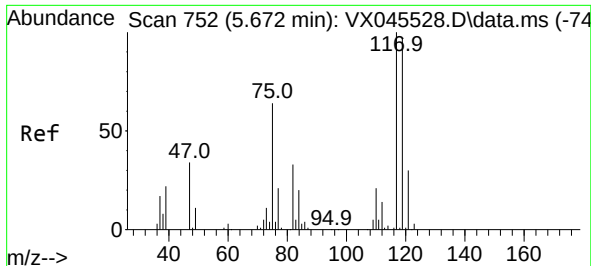
Tgt Ion:113 Resp: 41833
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 17.1 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.431 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

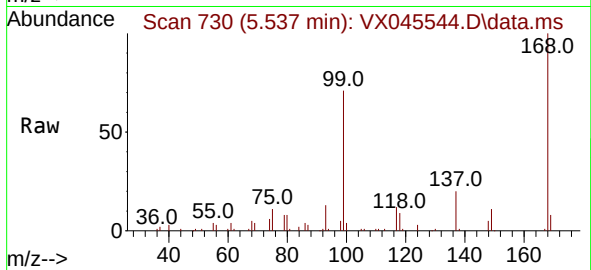
Tgt Ion: 75 Resp: 5933
Ion Ratio Lower Upper
75 100
110 10.2 16.9 50.6#
77 0.0 25.0 37.4#



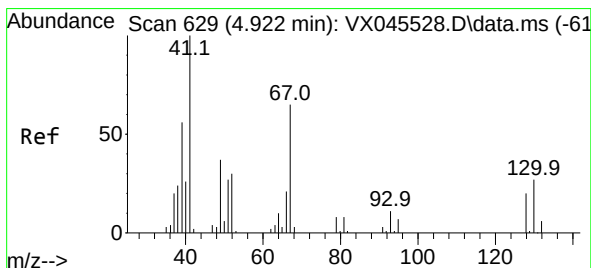
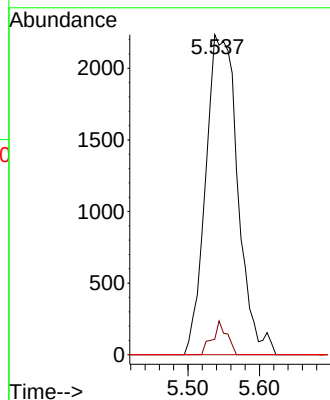
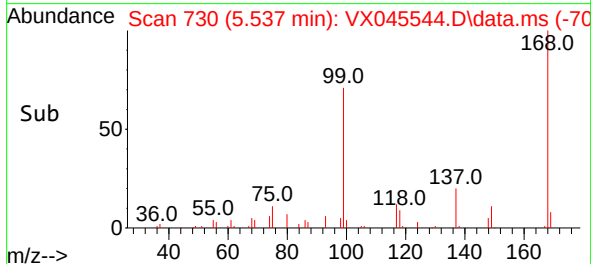


#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 5.537 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

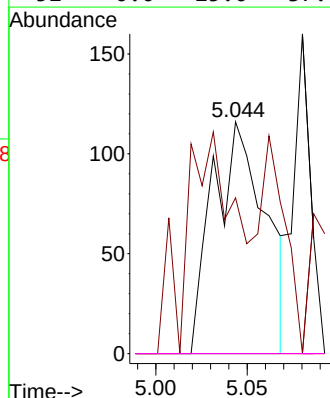
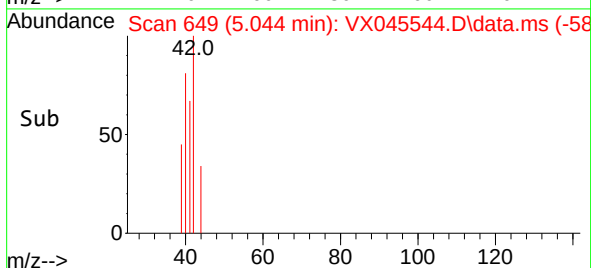
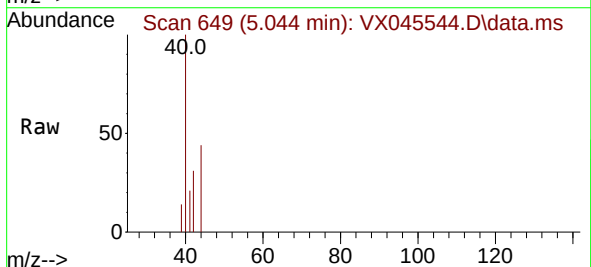


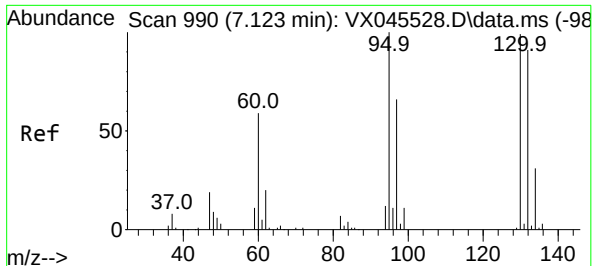
Tgt Ion: 117 Resp: 6955
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.318 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion: 41 Resp: 231
Ion Ratio Lower Upper
41 100
39 90.0 47.0 70.6#
67 0.0 53.2 79.8#
52 0.0 25.0 37.6#

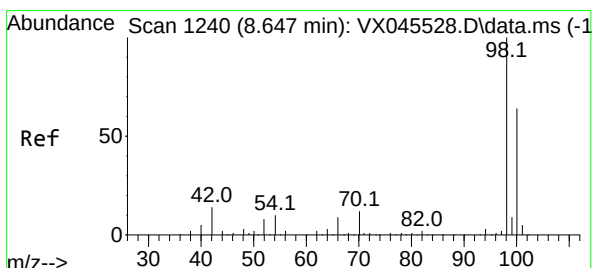
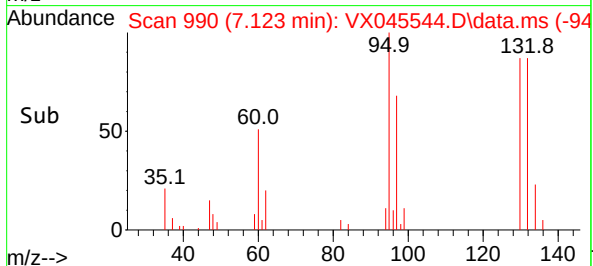
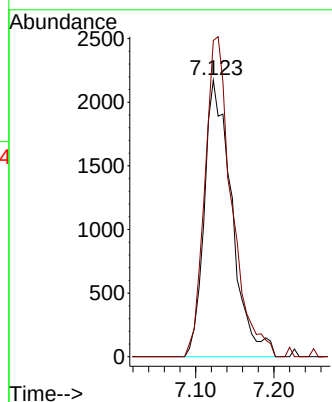
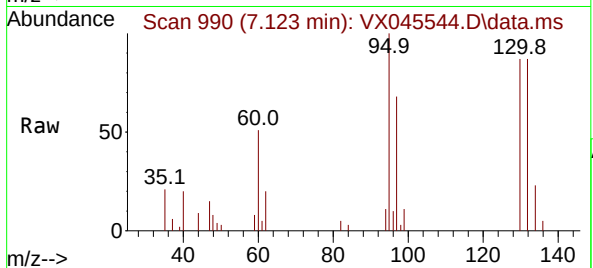




#44
Trichloroethene
Concen: 6.680 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

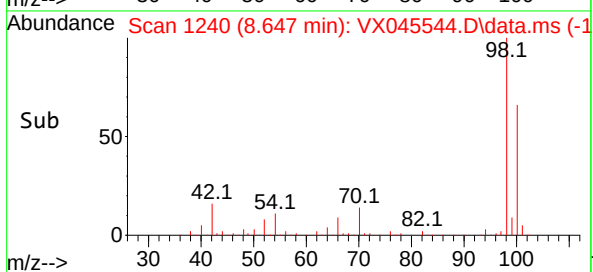
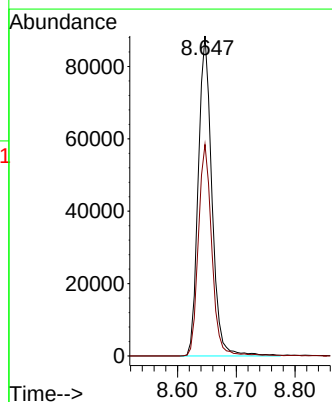
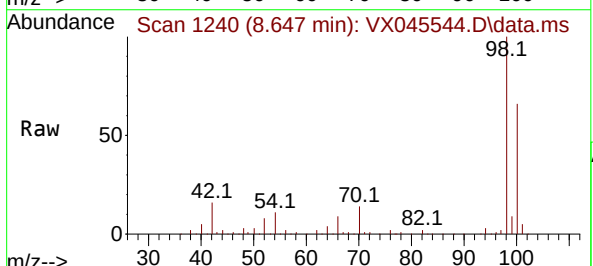
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

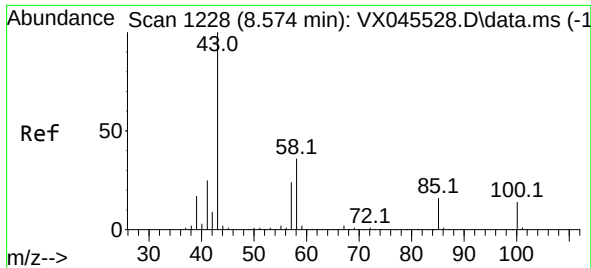
Tgt Ion:130 Resp: 5297
Ion Ratio Lower Upper
130 100
95 114.4 0.0 202.0



#50
Toluene-d8
Concen: 50.612 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion: 98 Resp: 142926
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4

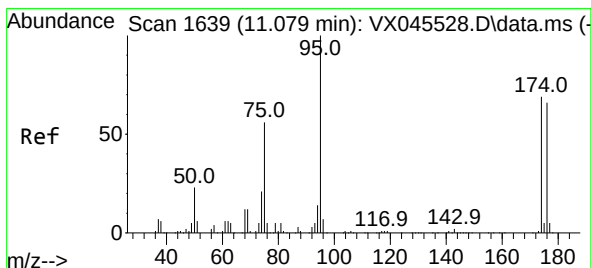
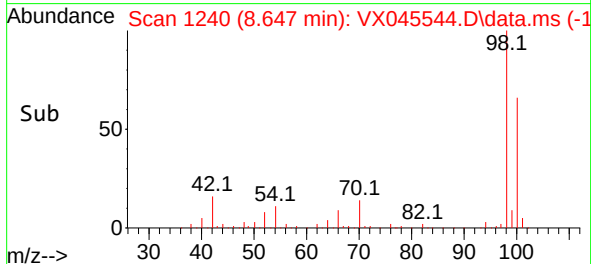
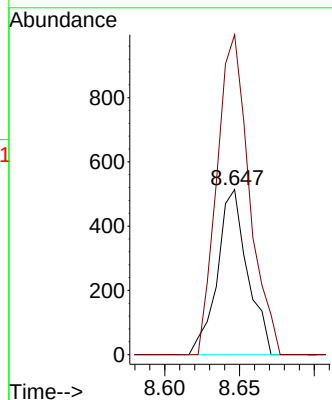
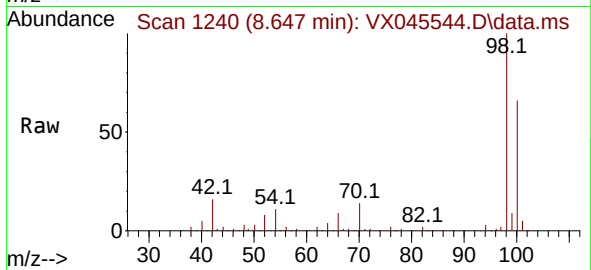




#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

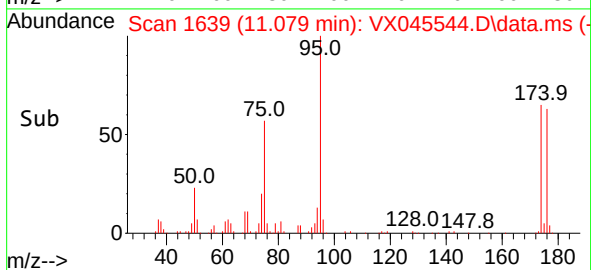
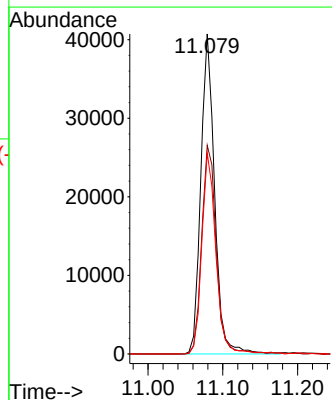
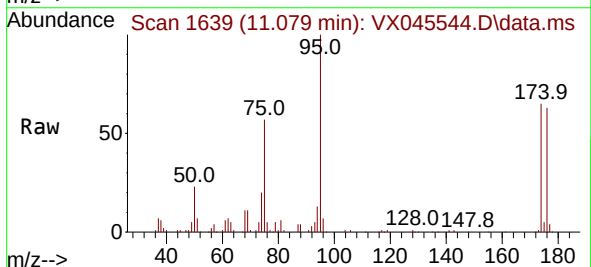
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

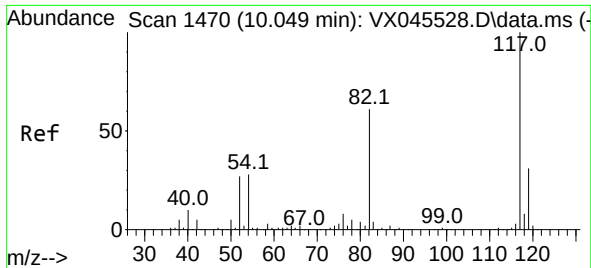
Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
58 208.1 28.5 42.7#



#62
4-Bromofluorobenzene
Concen: 50.712 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion: 95 Resp: 52163
Ion Ratio Lower Upper
95 100
174 68.8 0.0 135.8
176 63.7 0.0 131.4

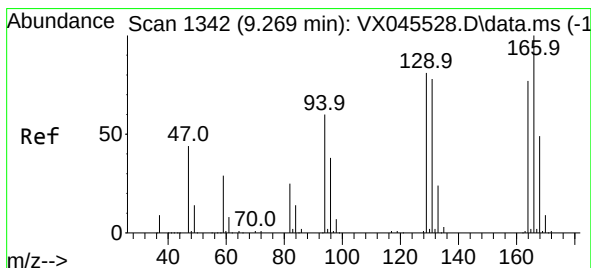
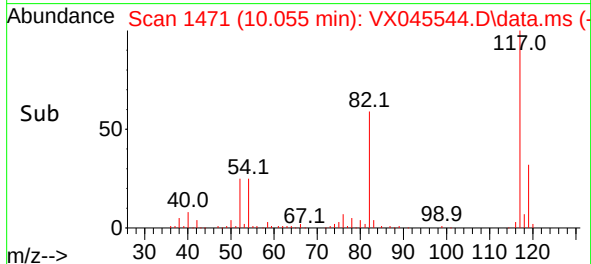
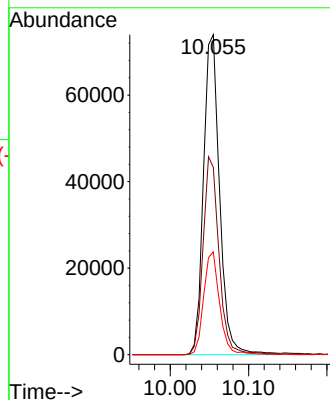
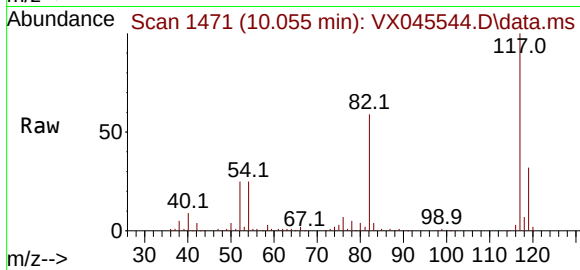




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

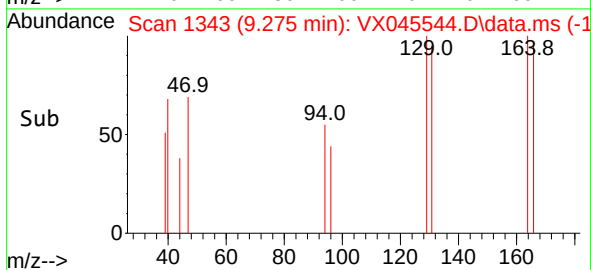
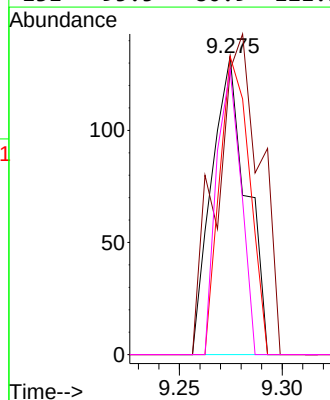
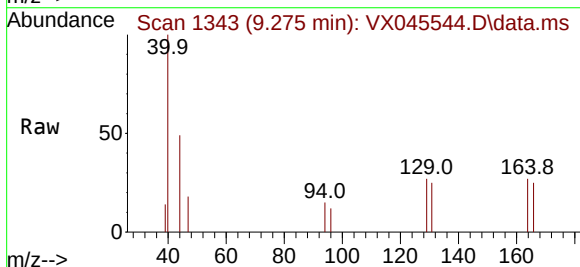
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125

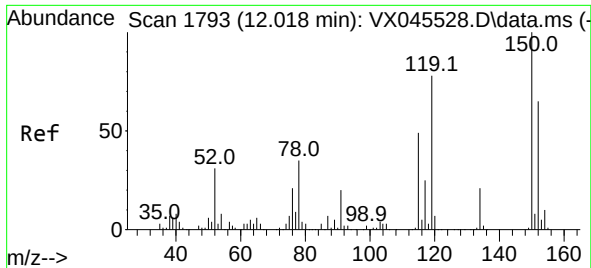
Tgt Ion:117 Resp: 105703
Ion Ratio Lower Upper
117 100
82 58.5 49.2 73.8
119 32.2 25.1 37.7



#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045544.D
Acq: 02 Apr 2025 14:07

Tgt Ion:164 Resp: 157
Ion Ratio Lower Upper
164 100
166 95.5 103.8 155.8#
129 100.0 84.3 126.5
131 95.5 80.9 121.3

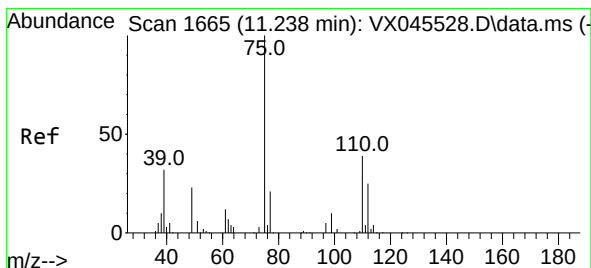
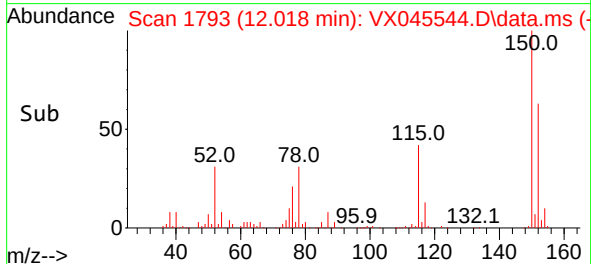
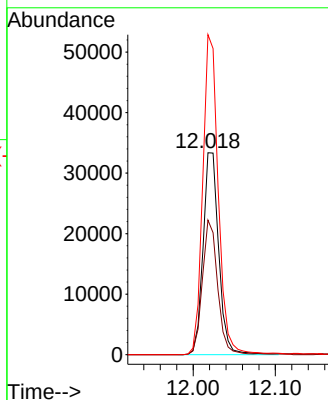
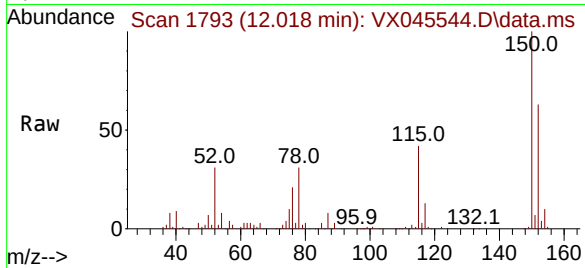




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

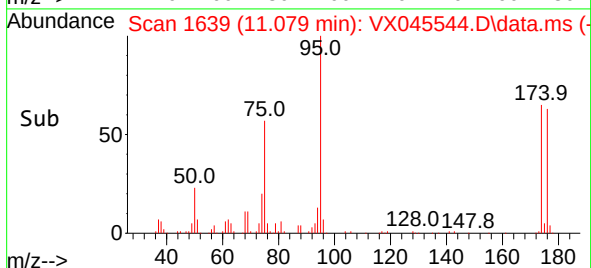
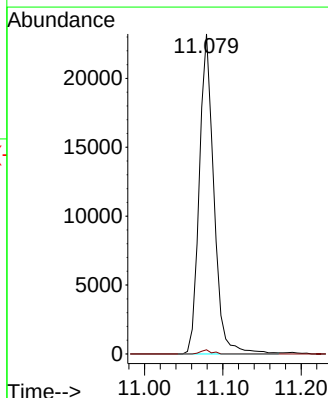
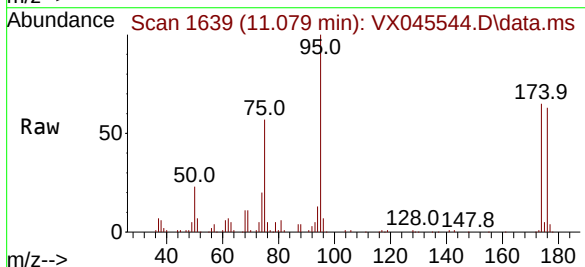
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

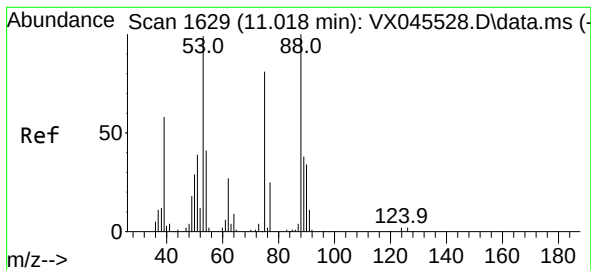
Tgt Ion:152 Resp: 44255
 Ion Ratio Lower Upper
 152 100
 115 64.6 46.9 140.7
 150 156.5 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 27.887 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

Tgt Ion: 75 Resp: 30104
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.0 59.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.646 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX045544.D
 Acq: 02 Apr 2025 14:07

Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125

Tgt Ion: 75 Resp: 30104
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#

