

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045545.D
 Acq On : 02 Apr 2025 14:31
 Operator : JC/MD
 Sample : Q1697-04 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Apr 03 01:52:26 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)

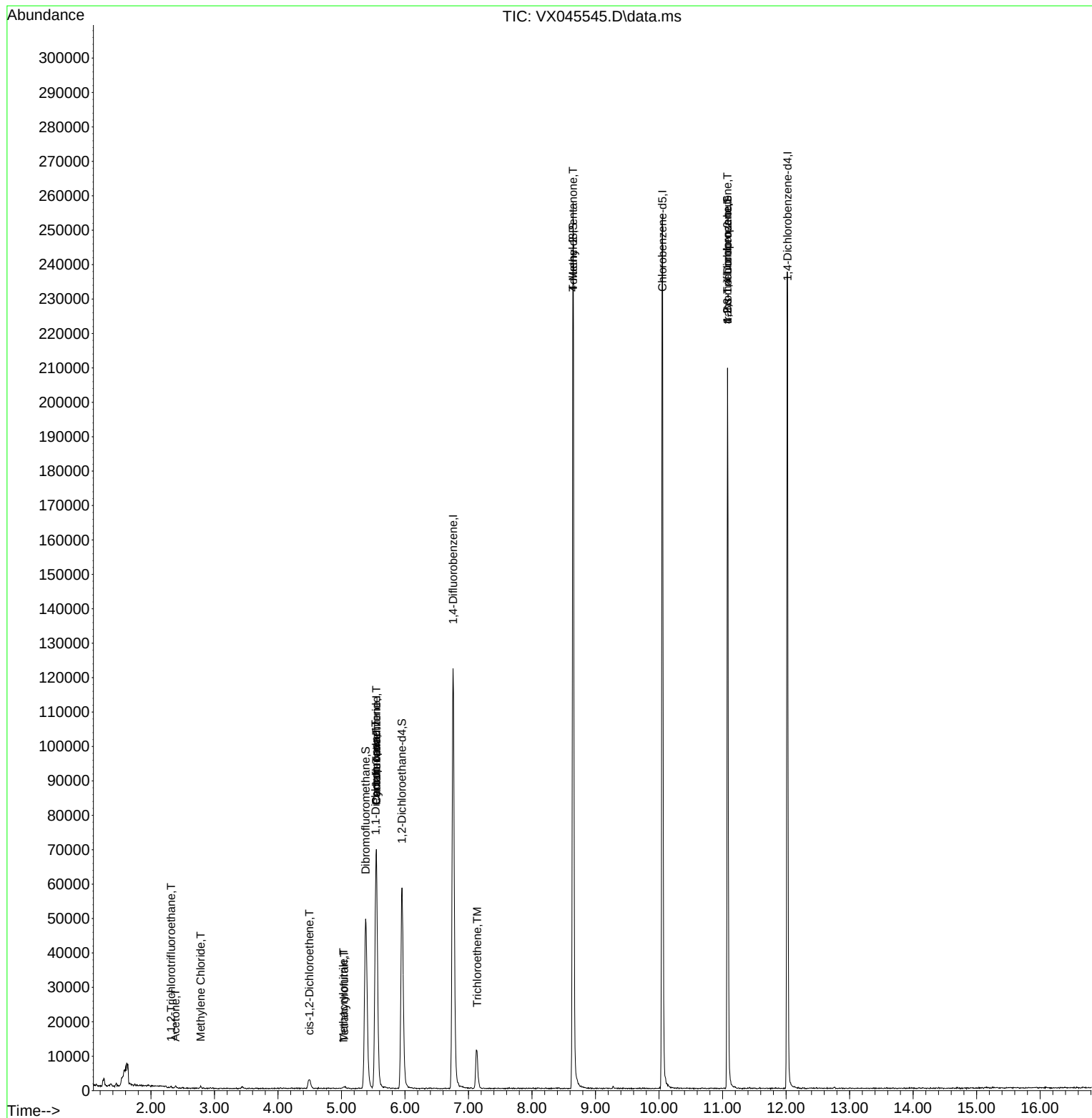
Internal Standards						
1) Pentafluorobenzene	5.550	168	59506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	116569	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57492	52.832	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.660%	
35) Dibromofluoromethane	5.379	113	43370	52.439	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.880%	
50) Toluene-d8	8.647	98	146722	50.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	11.079	95	53334	50.722	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.440%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	166	0.227	ug/l #	80
16) Acetone	2.386	43	719	1.609	ug/l #	75
20) Methylene Chloride	2.782	84	209	0.250	ug/l #	70
27) cis-1,2-Dichloroethene	4.495	96	1994	2.243	ug/l	81
29) Tetrahydrofuran	5.044	42	422	0.995	ug/l #	47
31) Cyclohexane	5.550	56	1831	1.372	ug/l #	52
36) 1,1-Dichloropropene	5.538	75	5895	5.279	ug/l #	50
38) Carbon Tetrachloride	5.550	117	6904	5.721	ug/l #	17
41) Methacrylonitrile	5.032	41	180	0.242	ug/l #	48
44) Trichloroethene	7.135	130	4765	5.878	ug/l	95
51) 4-Methyl-2-Pentanone	8.647	43	681	0.482	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31740	28.394	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31740	96.365	ug/l #	1

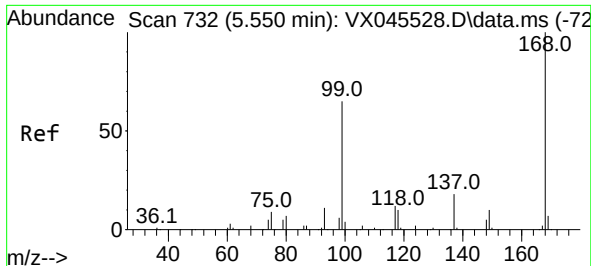
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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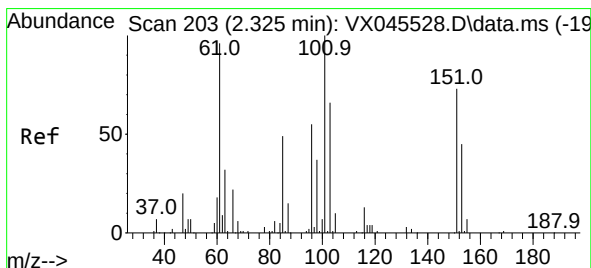
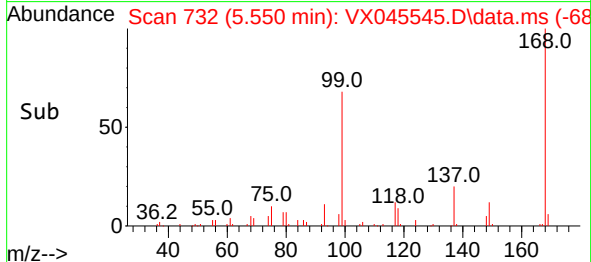
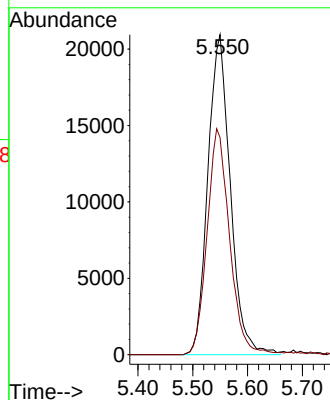
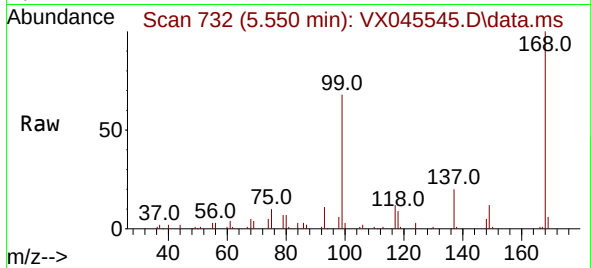




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

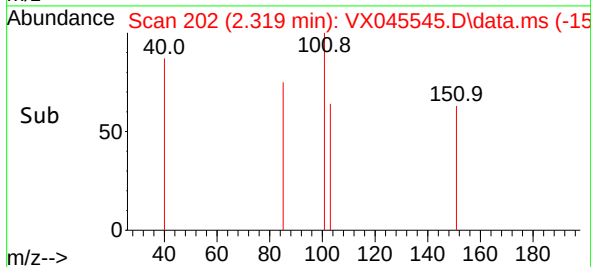
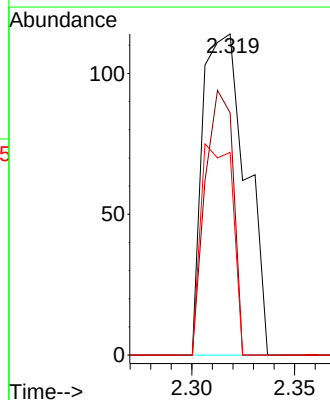
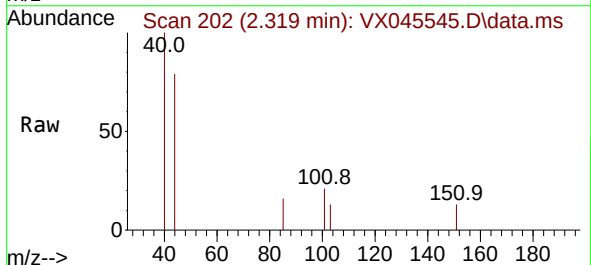
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

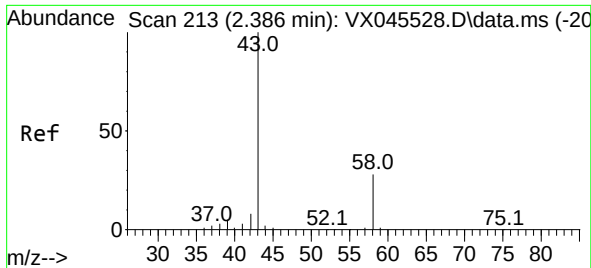
Tgt Ion:168 Resp: 59506
Ion Ratio Lower Upper
168 100
99 67.9 52.3 78.5



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.227 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion:101 Resp: 166
Ion Ratio Lower Upper
101 100
85 53.0 38.9 58.3
151 47.6 57.5 86.3#

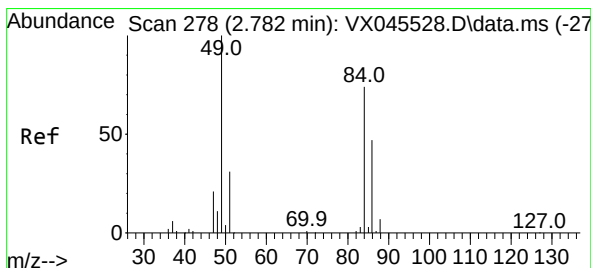
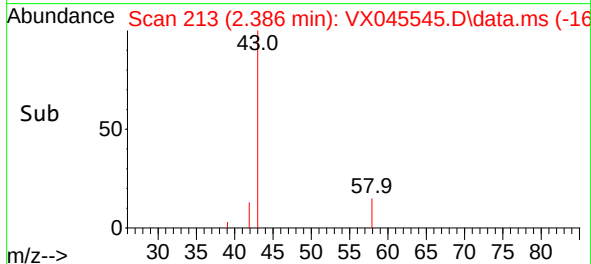
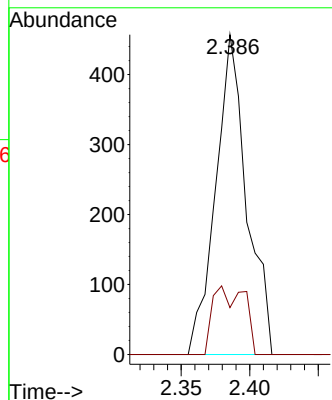
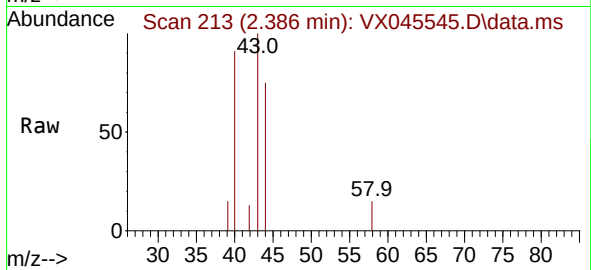




#16
Acetone
Concen: 1.609 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

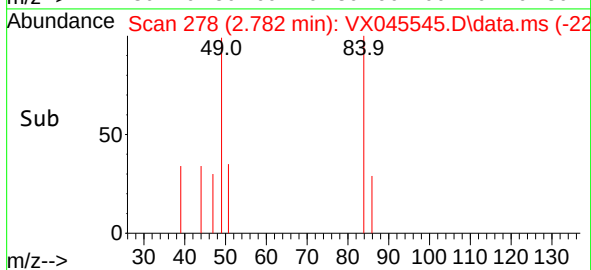
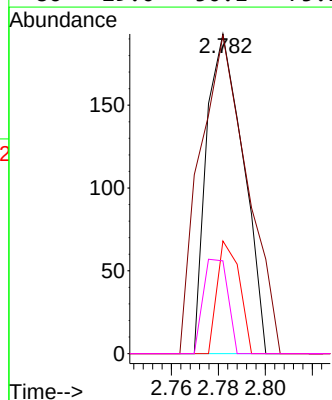
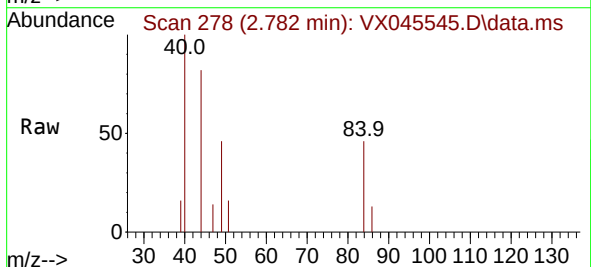
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

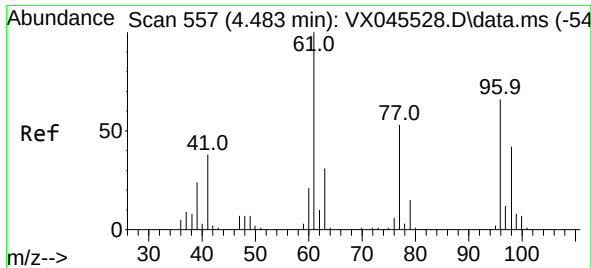
Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
58 14.7 22.3 33.5#



#20
Methylene Chloride
Concen: 0.250 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion: 84 Resp: 209
Ion Ratio Lower Upper
84 100
49 99.5 107.5 161.3#
51 35.2 33.0 49.6
86 29.0 50.1 75.1#





#27

cis-1,2-Dichloroethene

Concen: 2.243 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045545.D

Acq: 02 Apr 2025 14:31

Instrument :

MSVOA_X

ClientSampleId :

IW-02-55-040125-FD

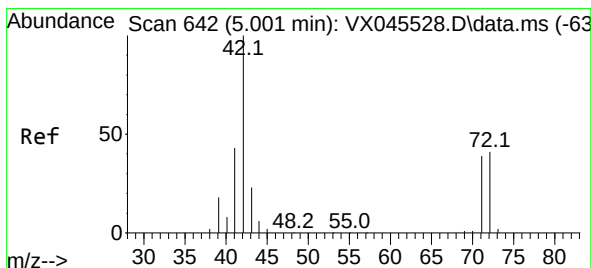
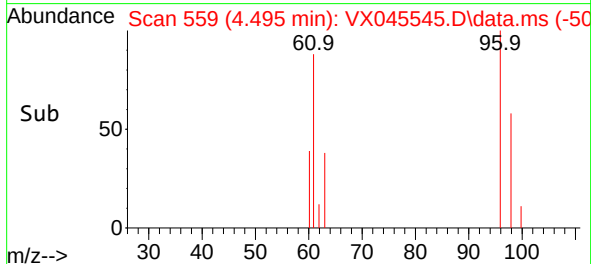
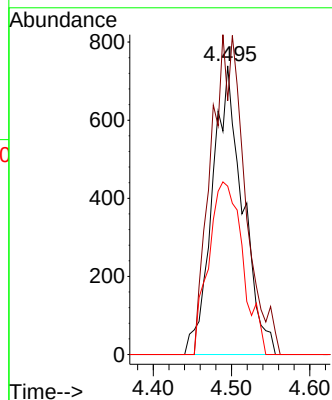
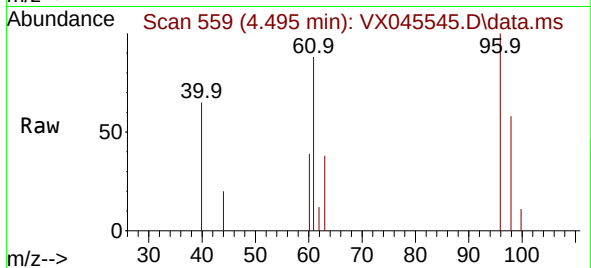
Tgt Ion: 96 Resp: 1994

Ion Ratio Lower Upper

96 100

61 124.5 0.0 313.2

98 67.1 0.0 126.4



#29

Tetrahydrofuran

Concen: 0.995 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.043 min

Lab File: VX045545.D

Acq: 02 Apr 2025 14:31

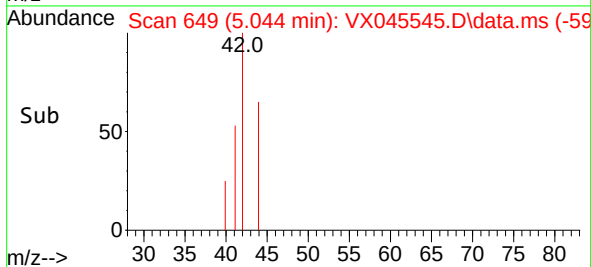
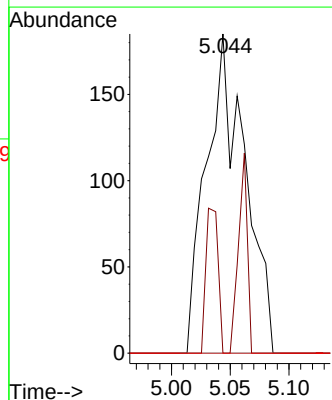
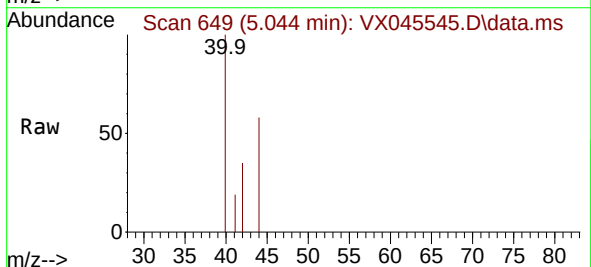
Tgt Ion: 42 Resp: 422

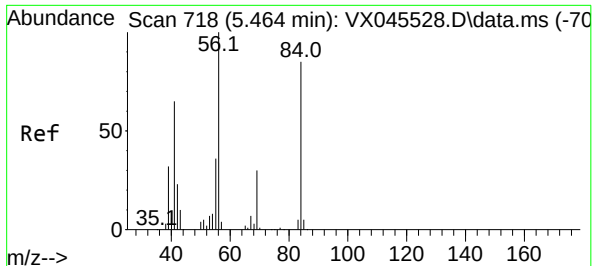
Ion Ratio Lower Upper

42 100

72 14.5 33.4 50.0#

71 0.0 31.4 47.0#

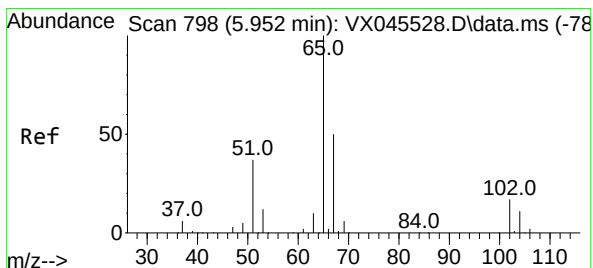
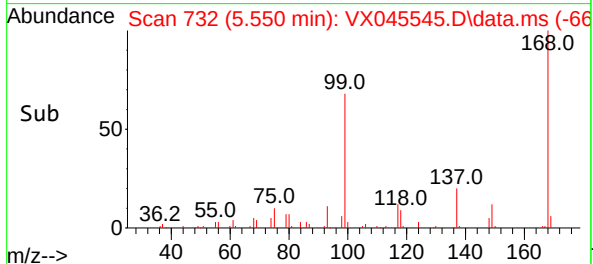
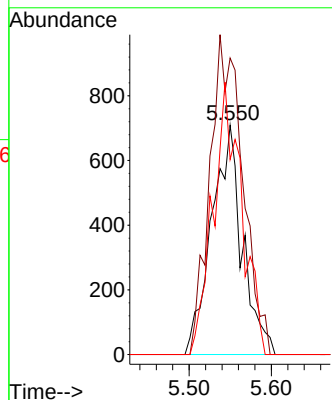
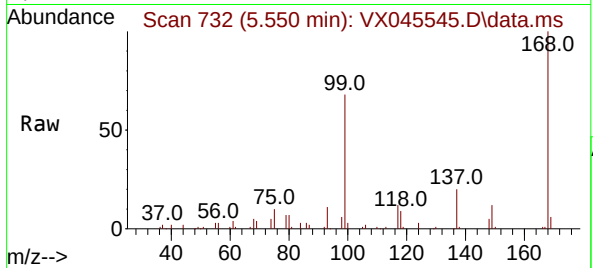




#31
Cyclohexane
Concen: 1.372 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

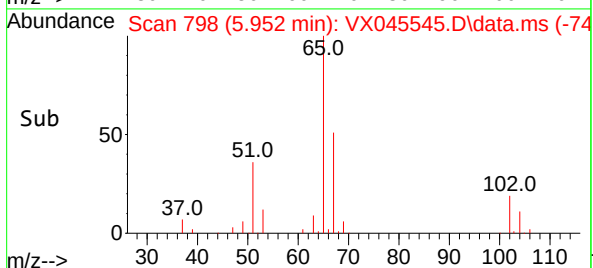
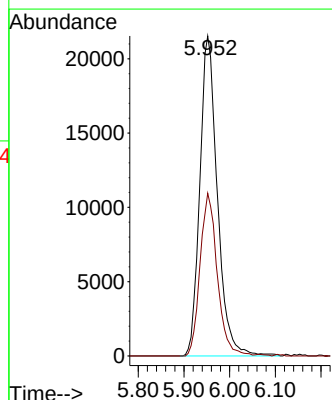
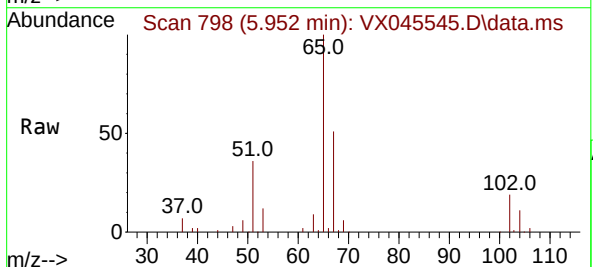
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

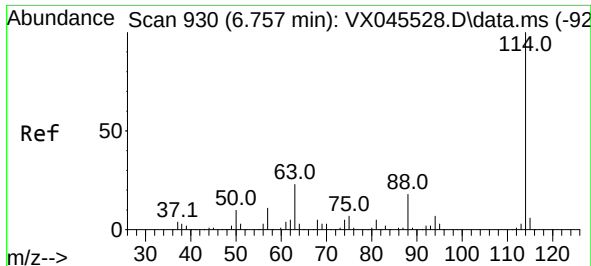
Tgt Ion: 56 Resp: 1831
Ion Ratio Lower Upper
56 100
69 129.3 23.6 35.4#
84 85.0 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.832 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

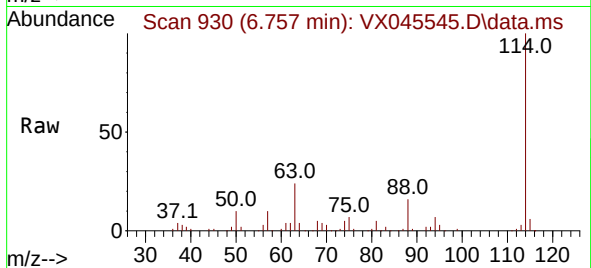
Tgt Ion: 65 Resp: 57492
Ion Ratio Lower Upper
65 100
67 49.8 0.0 99.0



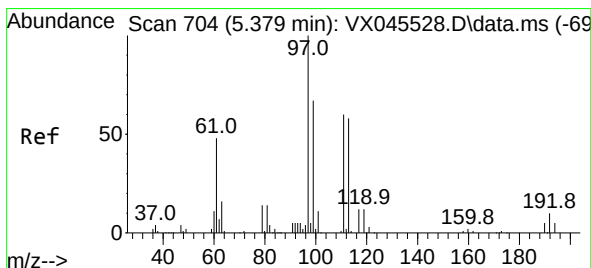
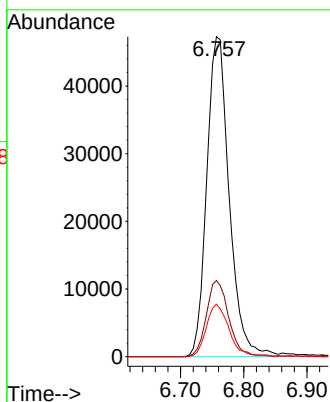
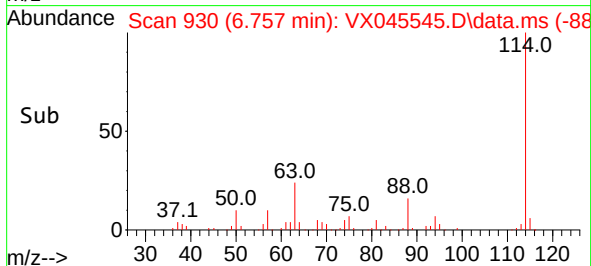


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

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

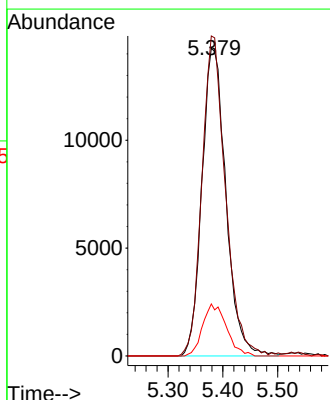
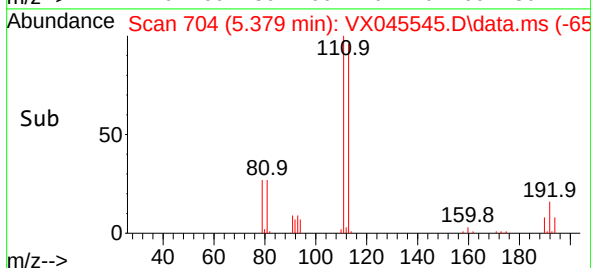
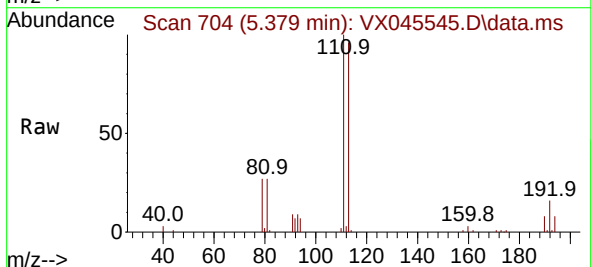


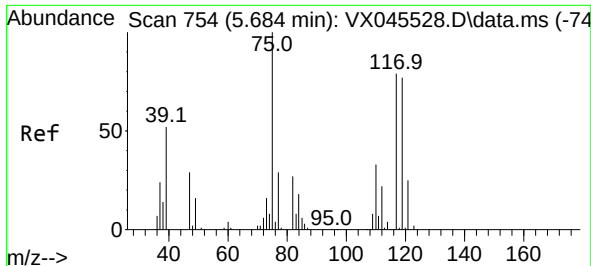
Tgt Ion:114 Resp: 116569
Ion Ratio Lower Upper
114 100
63 23.8 0.0 46.8
88 16.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 52.439 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion:113 Resp: 43370
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 16.8 13.8 20.6

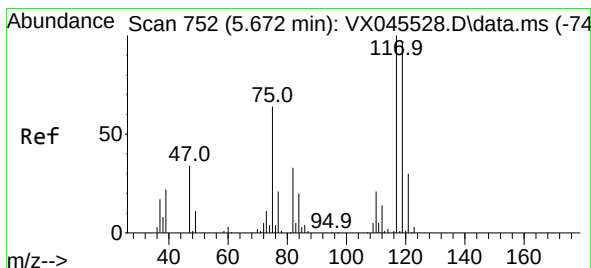
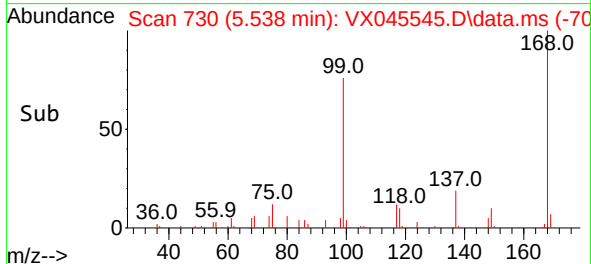
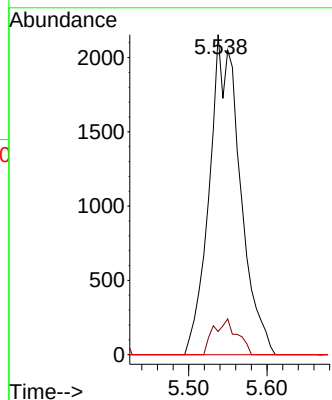
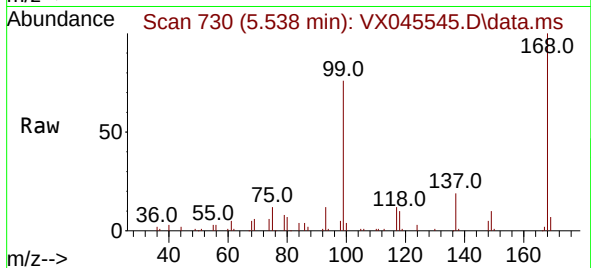




#36
1,1-Dichloropropene
Concen: 5.279 ug/l
RT: 5.538 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

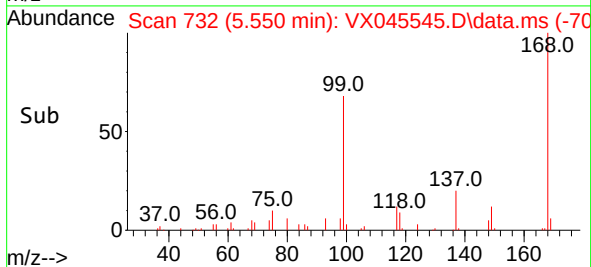
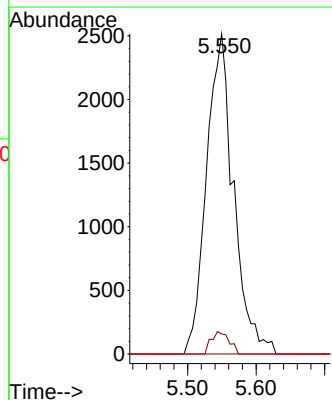
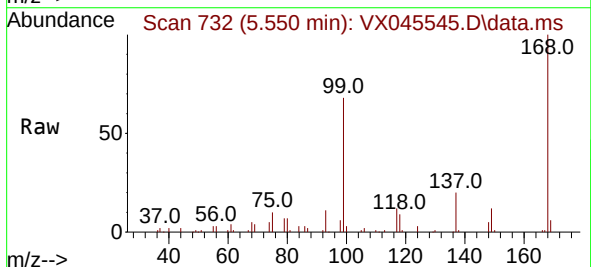
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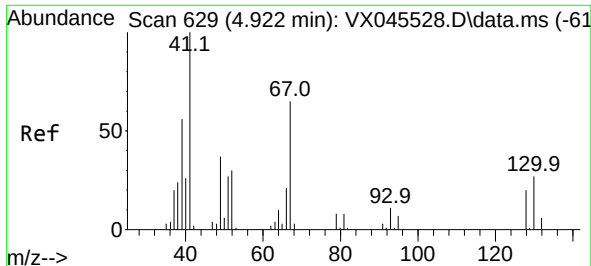
Tgt Ion: 75 Resp: 5895
Ion Ratio Lower Upper
75 100
110 8.5 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion: 117 Resp: 6904
Ion Ratio Lower Upper
117 100
119 6.3 76.9 115.3#
121 0.0 24.2 36.2#

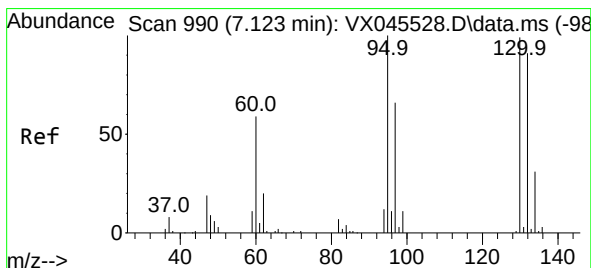
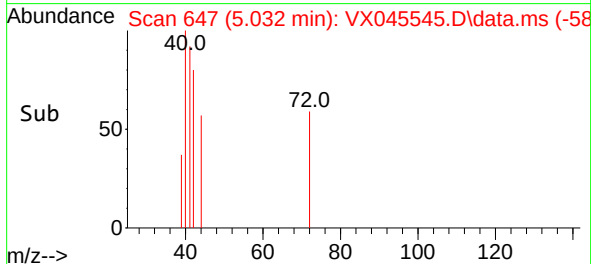
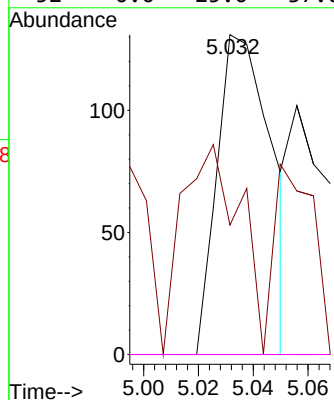
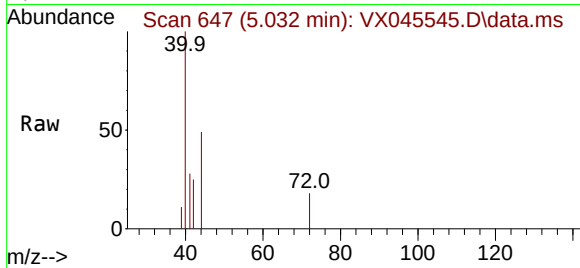




#41
Methacrylonitrile
Concen: 0.242 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

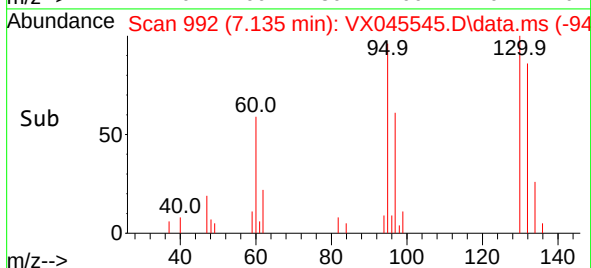
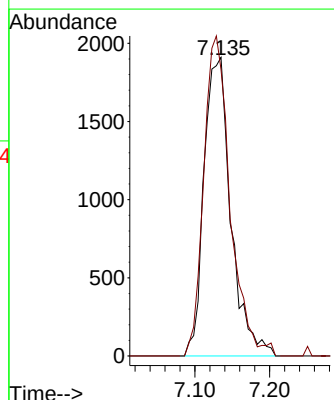
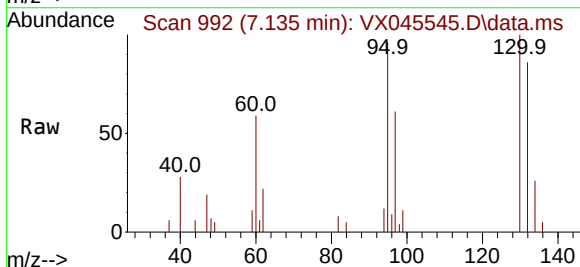
Instrument :
MSVOA_X
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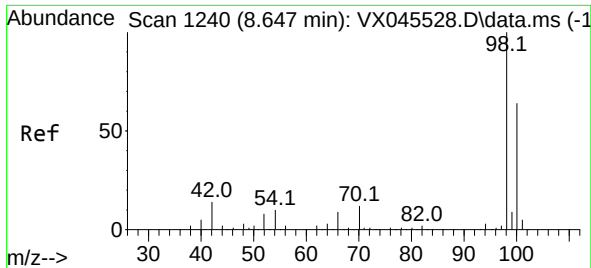
Tgt Ion: 41	Resp: 180
Ion Ratio	Lower Upper
41 100	
39 70.0	47.0 70.6
67 0.0	53.2 79.8#
52 0.0	25.0 37.6#



#44
Trichloroethene
Concen: 5.878 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion:130	Resp:	4765	
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	202.0

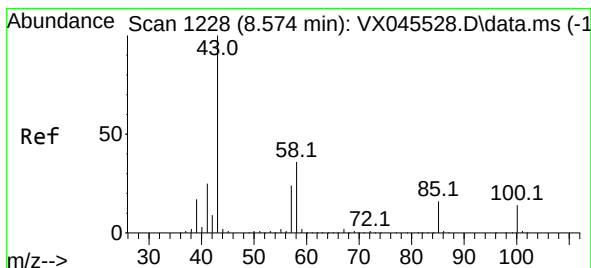
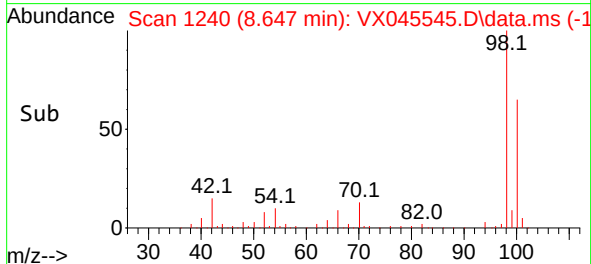
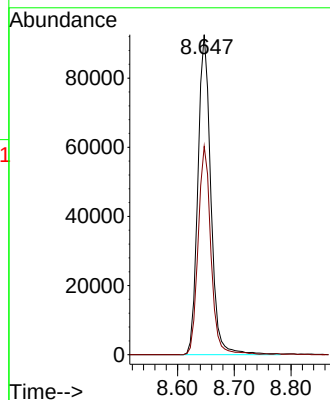
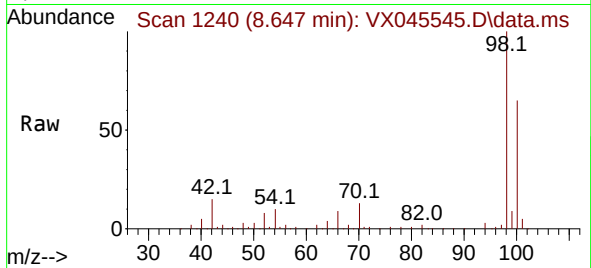




#50
Toluene-d8
Concen: 50.826 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

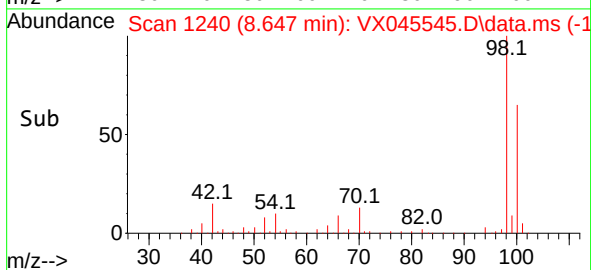
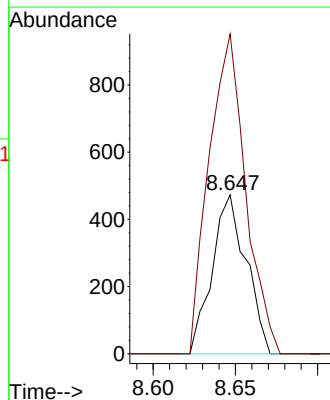
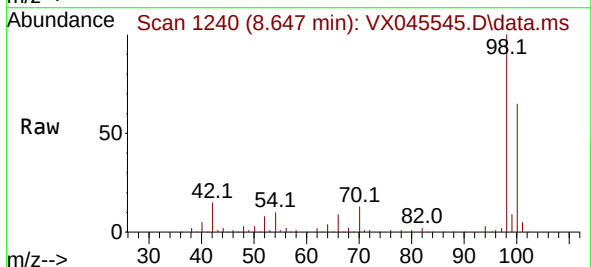
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

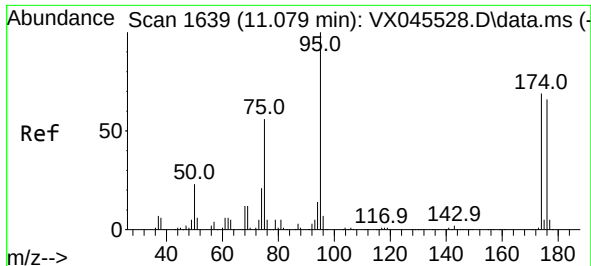
Tgt Ion: 98 Resp: 146722
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.482 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion: 43 Resp: 681
Ion Ratio Lower Upper
43 100
58 216.2 28.5 42.7#

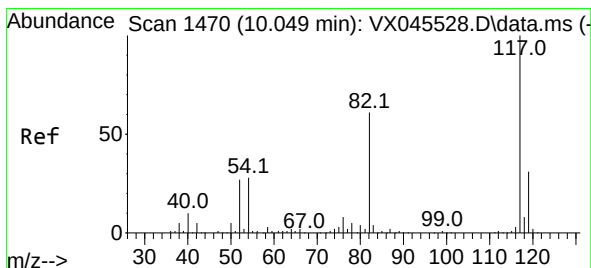
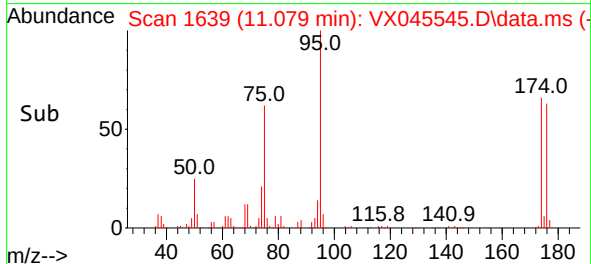
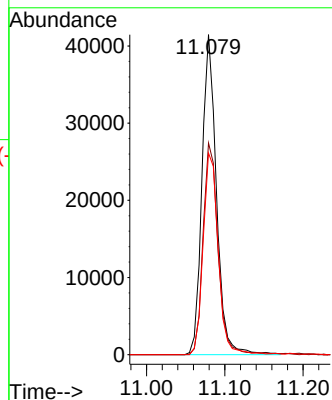
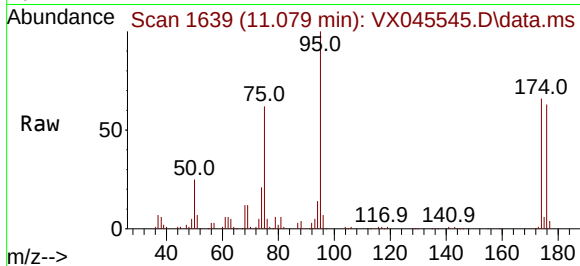




#62
4-Bromofluorobenzene
Concen: 50.722 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

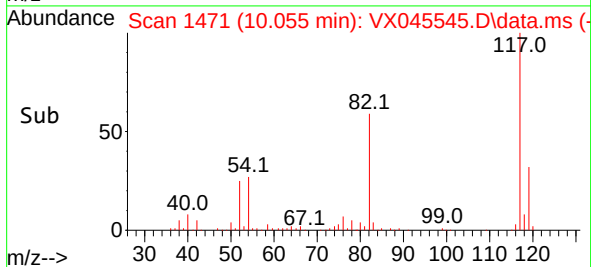
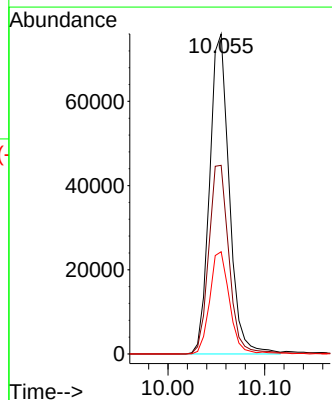
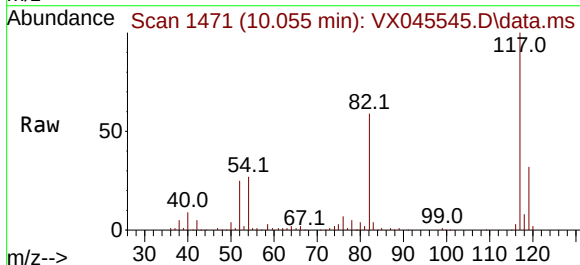
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

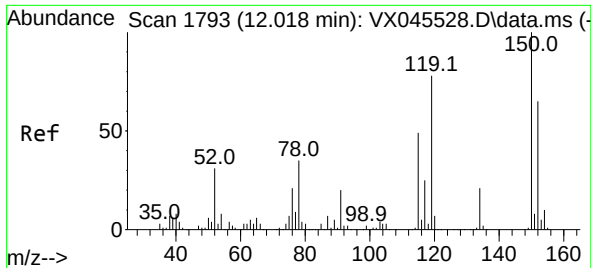
Tgt Ion: 95 Resp: 53334
Ion Ratio Lower Upper
95 100
174 68.4 0.0 135.8
176 65.8 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

Tgt Ion: 117 Resp: 107449
Ion Ratio Lower Upper
117 100
82 58.9 49.2 73.8
119 32.0 25.1 37.7

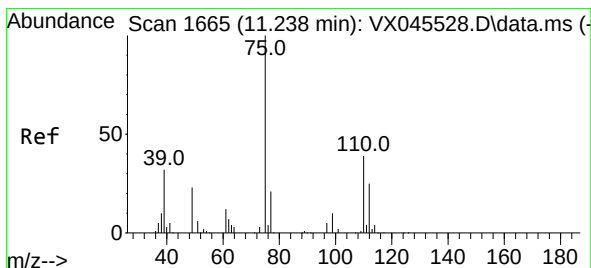
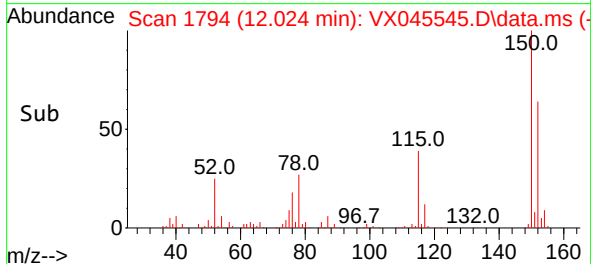
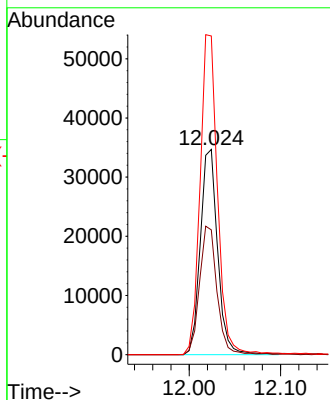
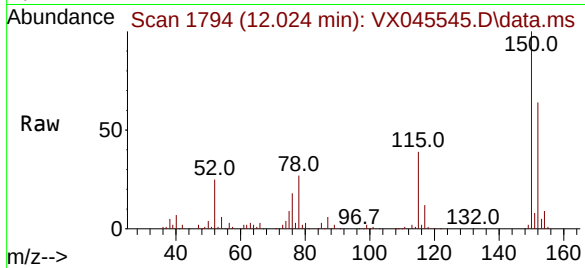




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX045545.D
 Acq: 02 Apr 2025 14:31

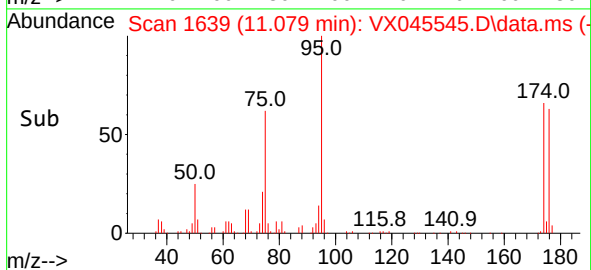
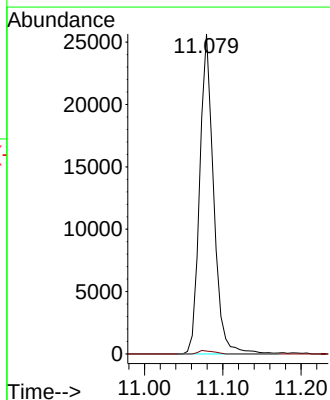
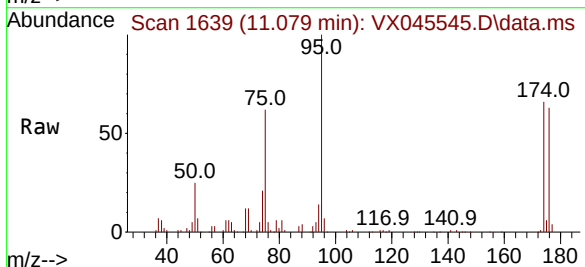
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125-FD

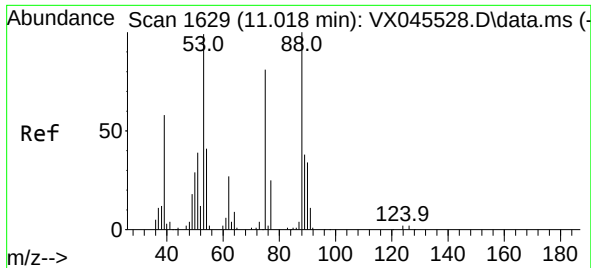
Tgt Ion:152 Resp: 45828
 Ion Ratio Lower Upper
 152 100
 115 63.1 46.9 140.7
 150 157.0 0.0 349.4



#76
 1,2,3-Trichloropropane
 Concen: 28.394 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045545.D
 Acq: 02 Apr 2025 14:31

Tgt Ion: 75 Resp: 31740
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.0 59.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.365 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045545.D
Acq: 02 Apr 2025 14:31

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

Tgt Ion: 75 Resp: 31740
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

