

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045550.D
 Acq On : 02 Apr 2025 16:27
 Operator : JC/MD
 Sample : Q1697-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Apr 03 01:54:42 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)

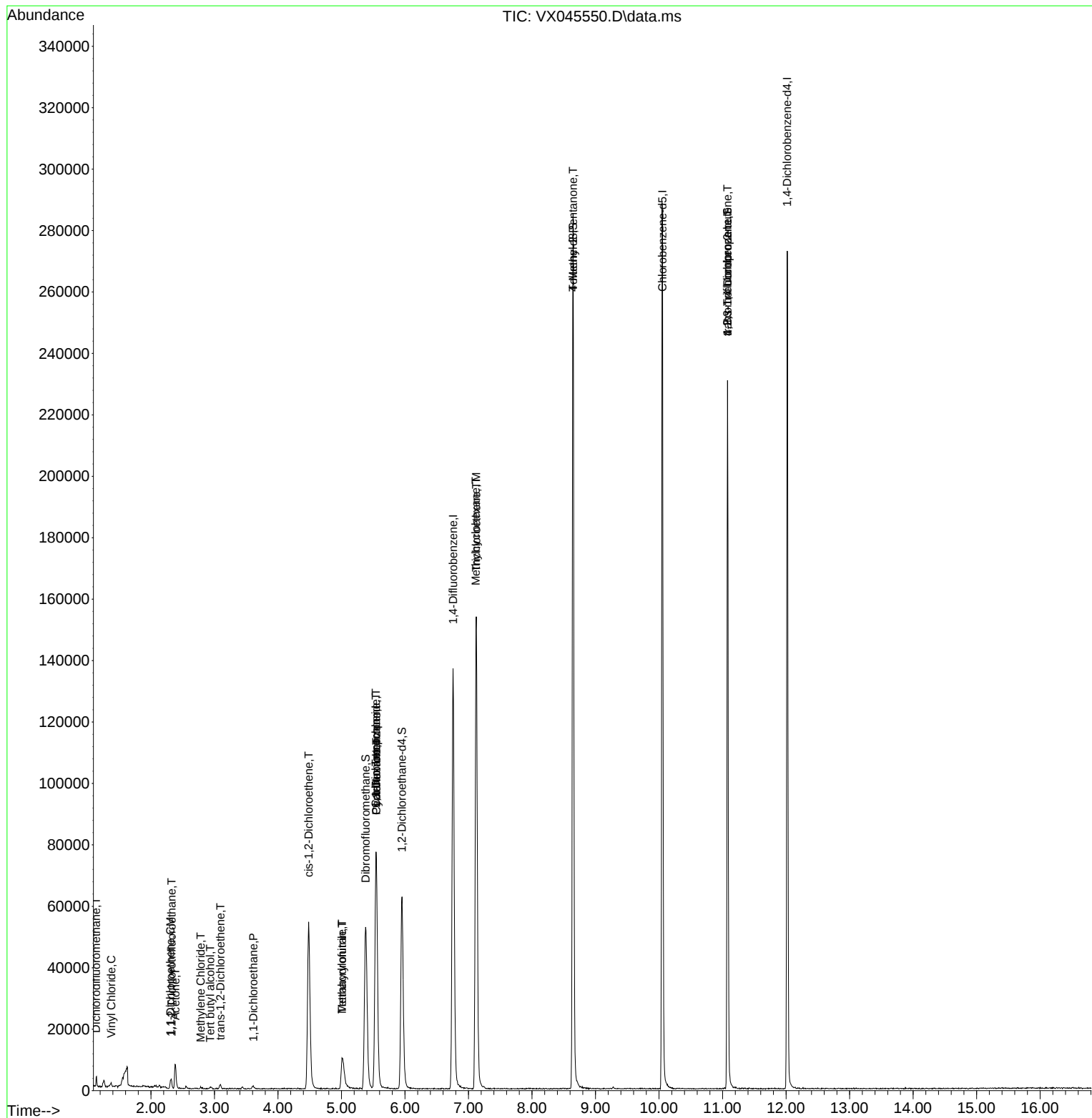
Internal Standards								
1) Pentafluorobenzene			5.550	168	66382	50.000	ug/l	0.00
34) 1,4-Difluorobenzene			6.757	114	130300	50.000	ug/l	0.00
63) Chlorobenzene-d5			10.055	117	120113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4			12.018	152	51150	50.000	ug/l	0.00
System Monitoring Compounds								
33) 1,2-Dichloroethane-d4			5.952	65	63193	52.056	ug/l	0.00
Spiked Amount 50.000			Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane			5.379	113	46257	50.036	ug/l	0.00
Spiked Amount 50.000			Range 75 - 124		Recovery = 100.080%			
50) Toluene-d8			8.647	98	161403	50.020	ug/l	0.00
Spiked Amount 50.000			Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene			11.079	95	60106	51.138	ug/l	0.00
Spiked Amount 50.000			Range 77 - 121		Recovery = 102.280%			
Target Compounds								
								Qvalue
2) Dichlorodifluoromethane			1.136	85	271	0.273	ug/l	79
4) Vinyl Chloride			1.374	62	224	0.240	ug/l #	69
9) 1,1,2-Trichlorotrifluo...			2.325	101	660	0.809	ug/l	98
11) Tert butyl alcohol			2.934	59	186	1.140	ug/l #	72
12) 1,1-Dichloroethene			2.306	96	594	0.745	ug/l	92
16) Acetone			2.386	43	8926	17.906	ug/l	96
20) Methylene Chloride			2.782	84	190	0.204	ug/l	96
21) trans-1,2-Dichloroethene			3.093	96	592	0.727	ug/l	84
24) 1,1-Dichloroethane			3.611	63	1238	0.735	ug/l #	83
27) cis-1,2-Dichloroethene			4.483	96	32054	32.316	ug/l	91
29) Tetrahydrofuran			5.007	42	10809	22.848	ug/l	96
31) Cyclohexane			5.550	56	1951	1.310	ug/l #	37
36) 1,1-Dichloropropene			5.544	75	6682	5.353	ug/l #	50
38) Carbon Tetrachloride			5.544	117	7678	5.691	ug/l #	16
39) Methylcyclohexane			7.116	83	812	0.531	ug/l #	1
41) Methacrylonitrile			5.007	41	2559	3.083	ug/l #	6
44) Trichloroethene			7.123	130	55551	61.307	ug/l	96
51) 4-Methyl-2-Pentanone			8.647	43	987	0.624	ug/l #	1
76) 1,2,3-Trichloropropane			11.079	75	34718	27.826	ug/l #	37
81) trans-1,4-Dichloro-2-b...			11.079	75	34718	94.439	ug/l #	1

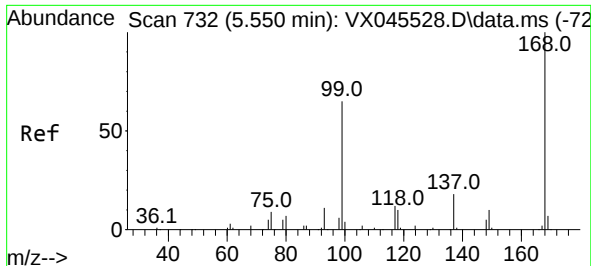
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045550.D
Acq On : 02 Apr 2025 16:27
Operator : JC/MD
Sample : Q1697-04 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

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

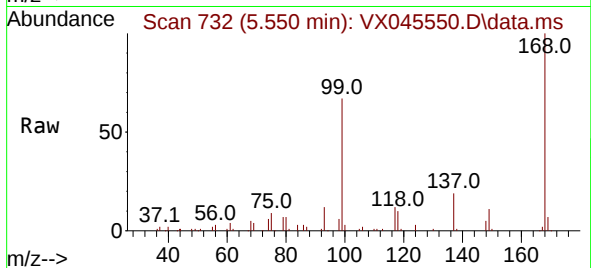
Quant Time: Apr 03 01:54:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



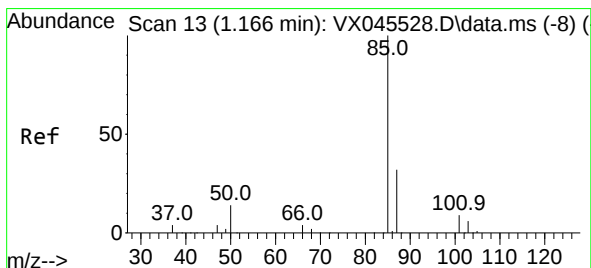
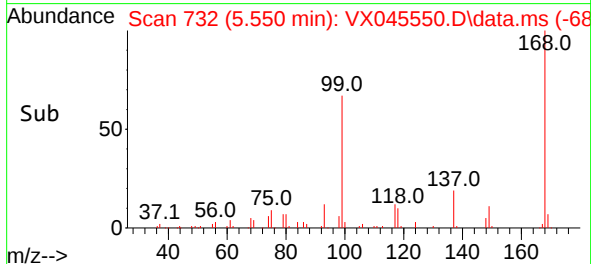
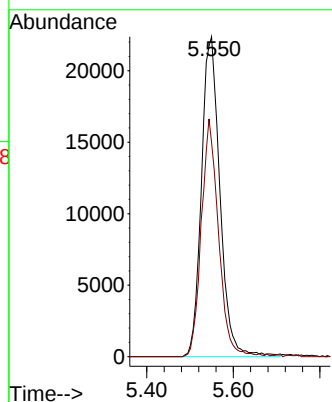


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

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

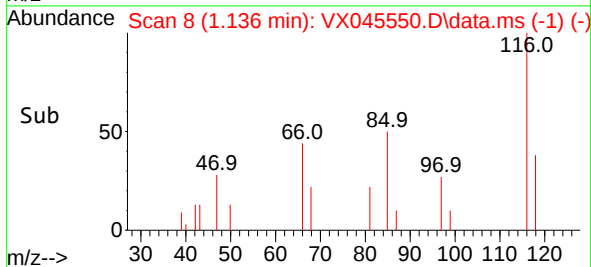
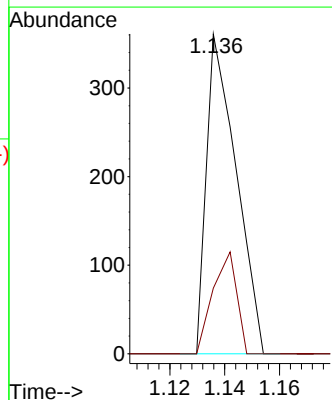
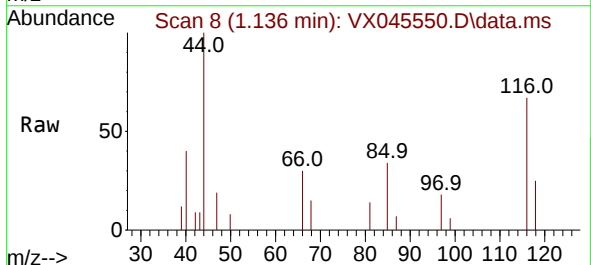


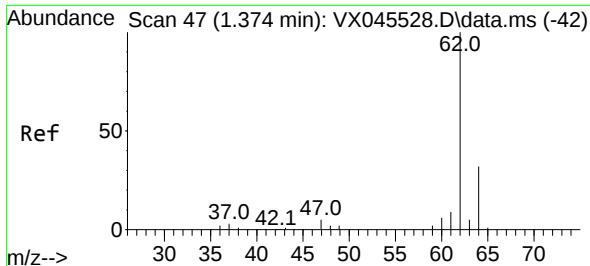
Tgt Ion:168 Resp: 66382
Ion Ratio Lower Upper
168 100
99 67.0 52.3 78.5



#2
Dichlorodifluoromethane
Concen: 0.273 ug/l
RT: 1.136 min Scan# 8
Delta R.T. -0.031 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 85 Resp: 271
Ion Ratio Lower Upper
85 100
87 20.5 16.1 48.2

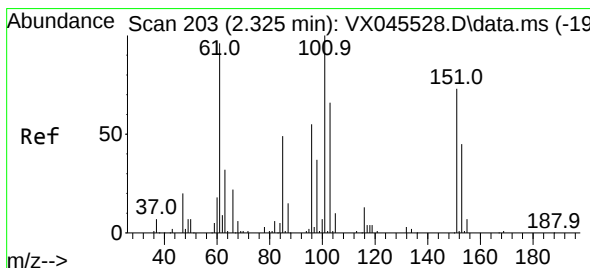
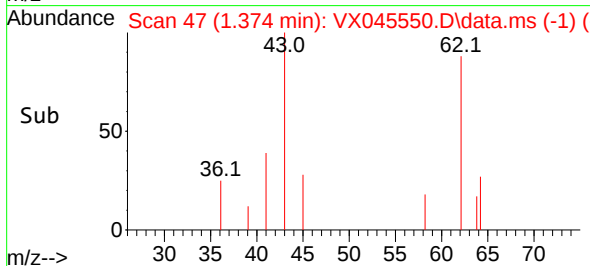
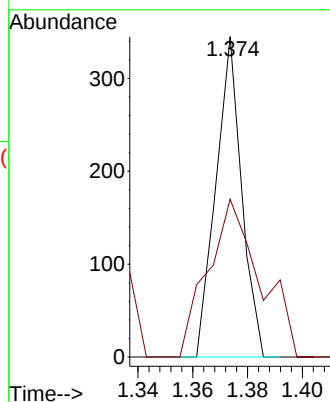
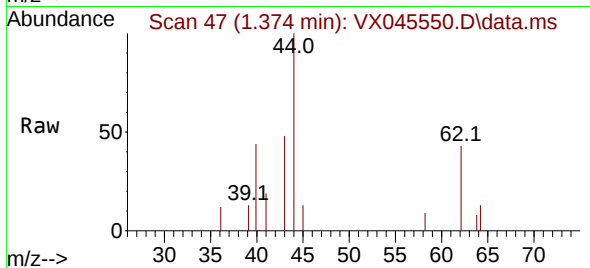




#4
 Vinyl Chloride
 Concen: 0.240 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX045550.D
 Acq: 02 Apr 2025 16:27

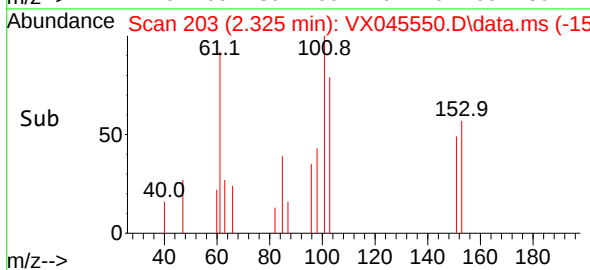
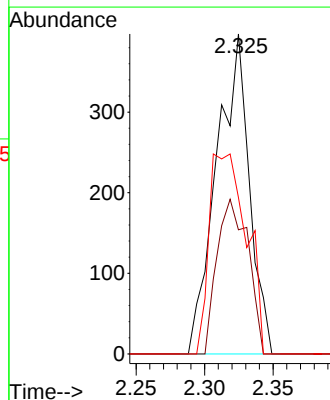
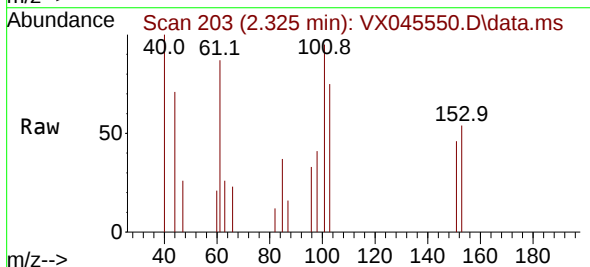
Instrument :
 MSVOA_X
 ClientSampleId :
 IW-02-55-040125-FD

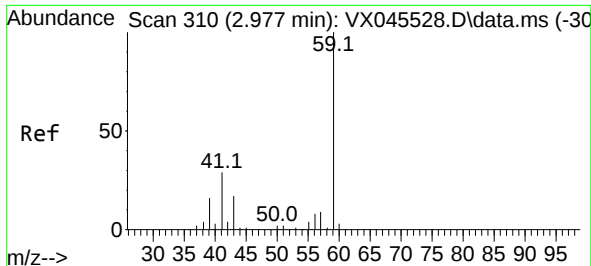
Tgt Ion: 62 Resp: 224
 Ion Ratio Lower Upper
 62 100
 64 49.3 25.5 38.3#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.809 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX045550.D
 Acq: 02 Apr 2025 16:27

Tgt Ion: 101 Resp: 660
 Ion Ratio Lower Upper
 101 100
 85 45.8 38.9 58.3
 151 71.2 57.5 86.3

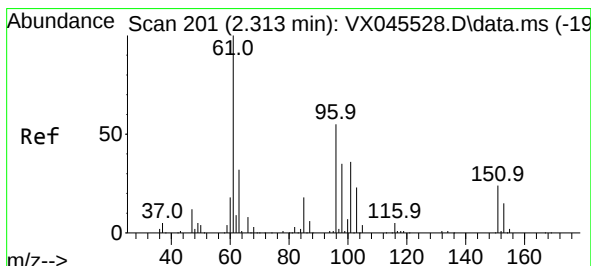
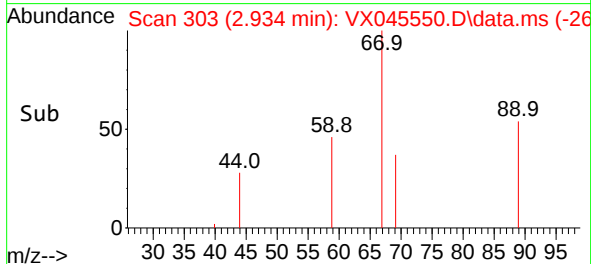
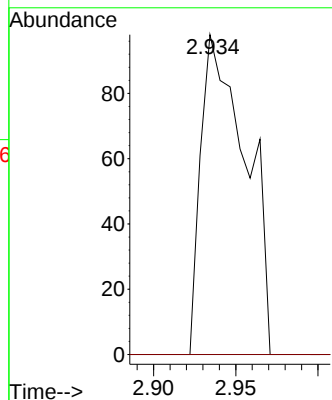
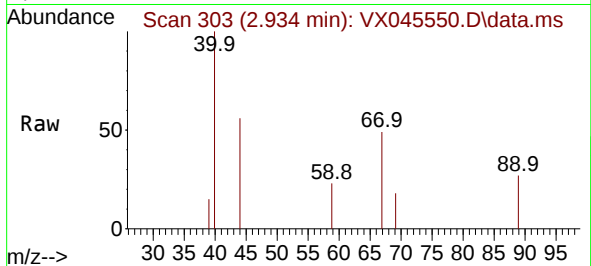




#11
Tert butyl alcohol
Concen: 1.140 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.043 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

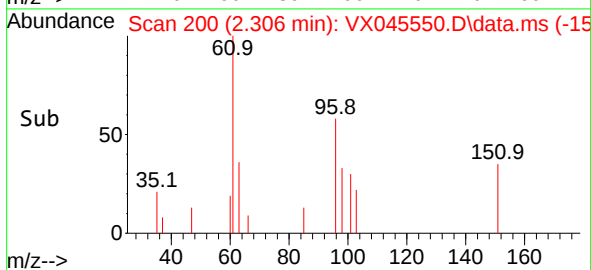
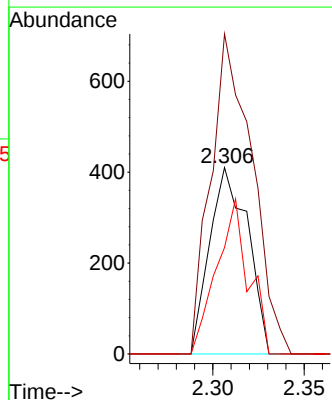
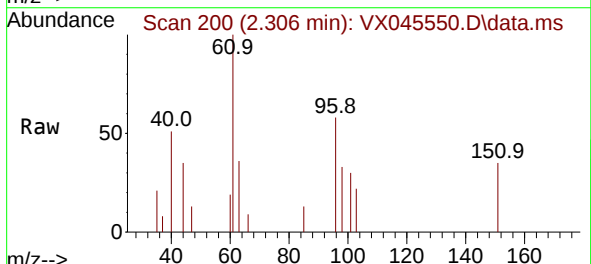
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

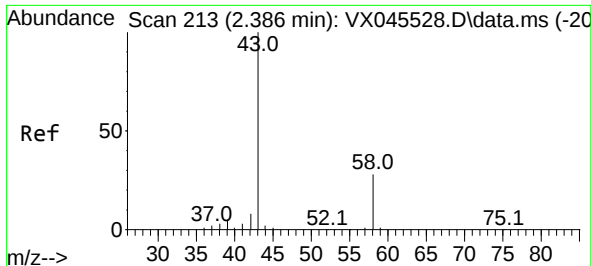
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#12
1,1-Dichloroethene
Concen: 0.745 ug/l
RT: 2.306 min Scan# 200
Delta R.T. -0.006 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 96 Resp: 594
Ion Ratio Lower Upper
96 100
61 171.7 145.7 218.5
98 57.1 51.6 77.4

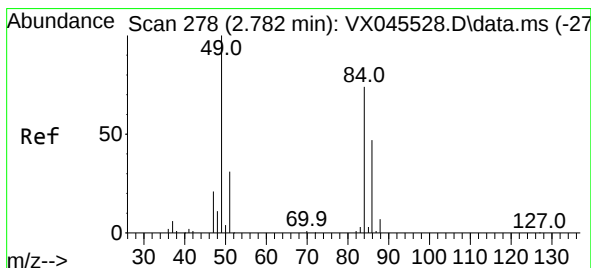
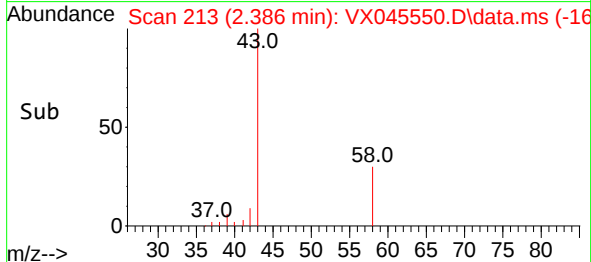
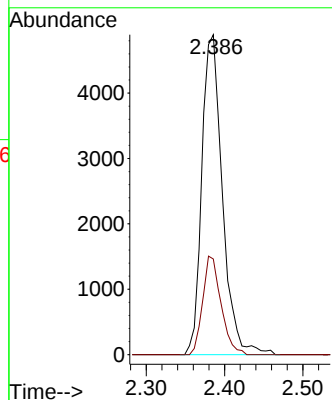
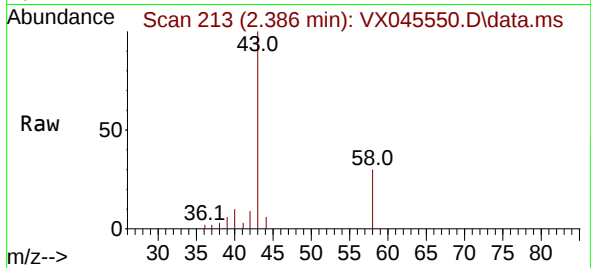




#16
Acetone
Concen: 17.906 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

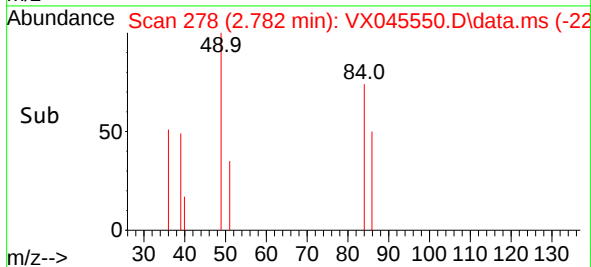
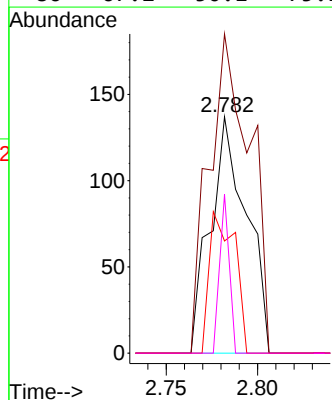
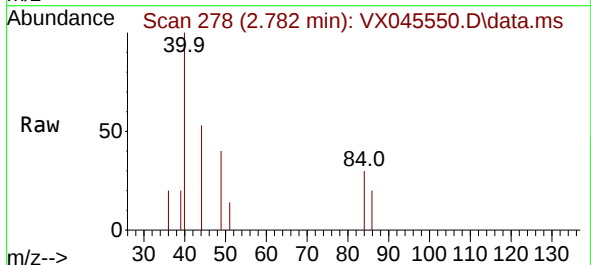
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

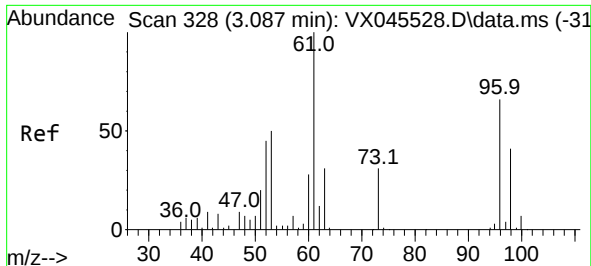
Tgt Ion: 43 Resp: 8926
Ion Ratio Lower Upper
43 100
58 29.9 22.3 33.5



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 84 Resp: 190
Ion Ratio Lower Upper
84 100
49 135.0 107.5 161.3
51 47.4 33.0 49.6
86 67.2 50.1 75.1

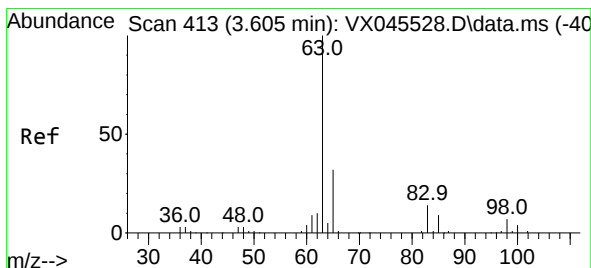
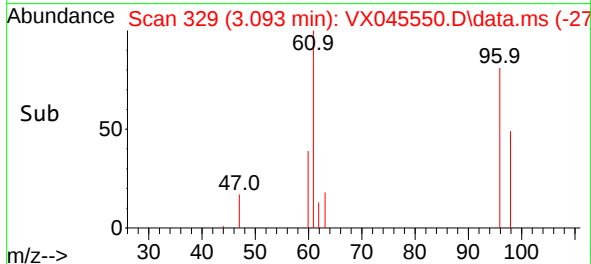
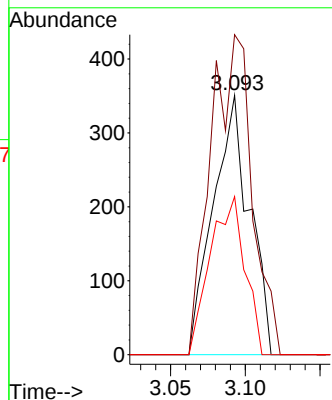
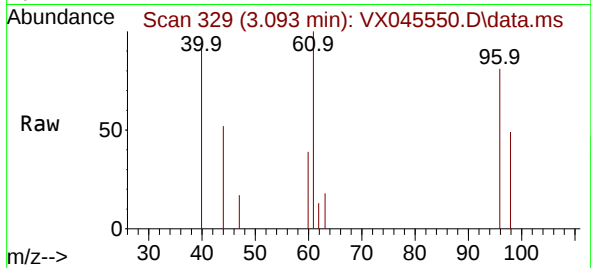




#21
trans-1,2-Dichloroethene
Concen: 0.727 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

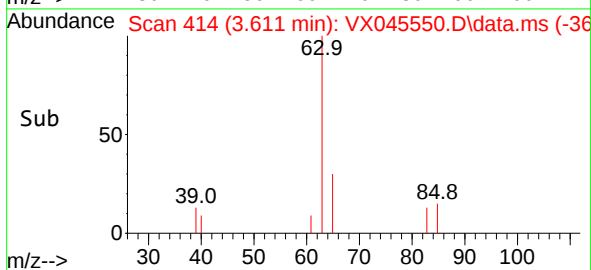
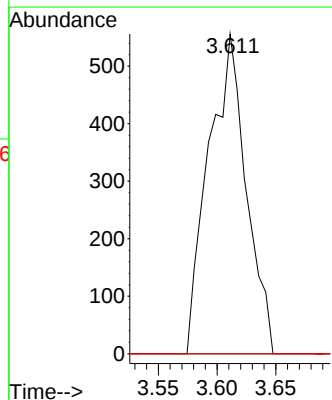
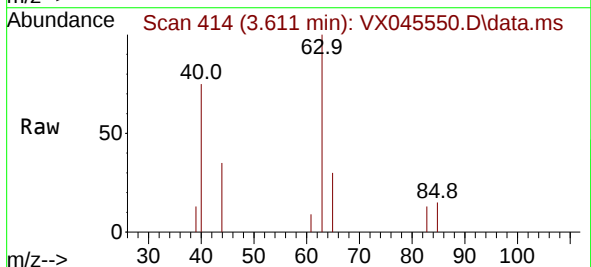
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ClientSampleId :
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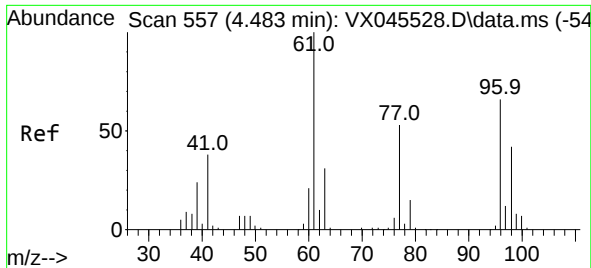
Tgt Ion: 96 Resp: 592
Ion Ratio Lower Upper
96 100
61 123.4 121.0 181.6
98 61.0 49.7 74.5



#24
1,1-Dichloroethane
Concen: 0.735 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 63 Resp: 1238
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: 32.316 ug/l

RT: 4.483 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

IW-02-55-040125-FD

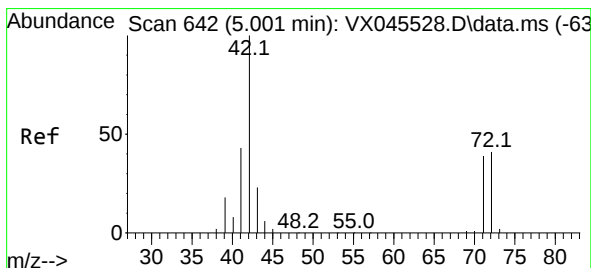
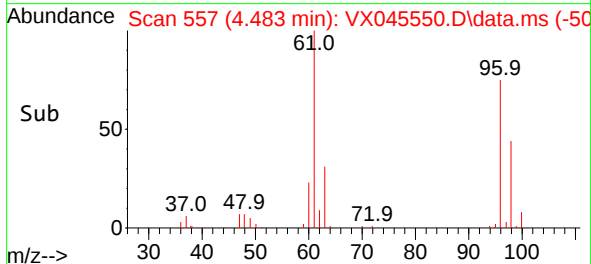
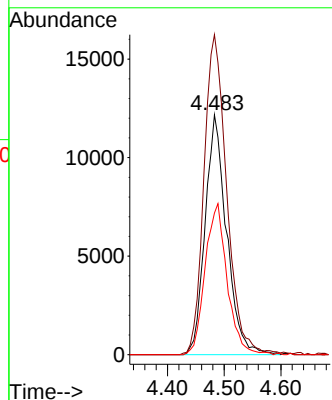
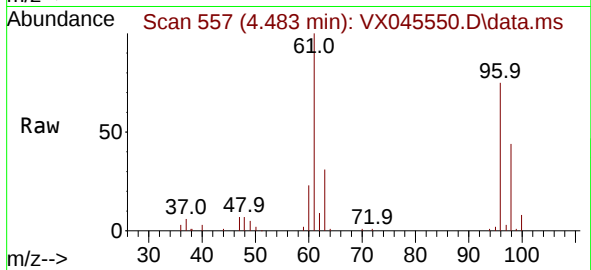
Tgt Ion: 96 Resp: 32054

Ion Ratio Lower Upper

96 100

61 141.7 0.0 313.2

98 64.5 0.0 126.4



#29

Tetrahydrofuran

Concen: 22.848 ug/l

RT: 5.007 min Scan# 643

Delta R.T. 0.006 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

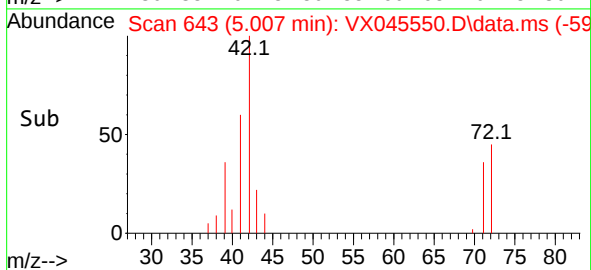
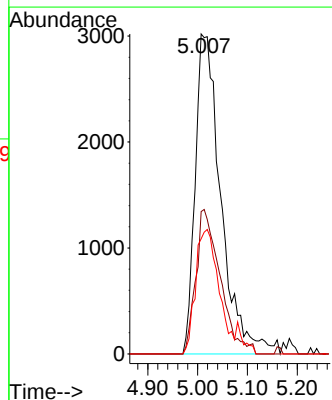
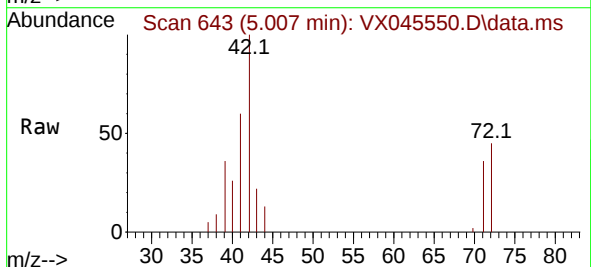
Tgt Ion: 42 Resp: 10809

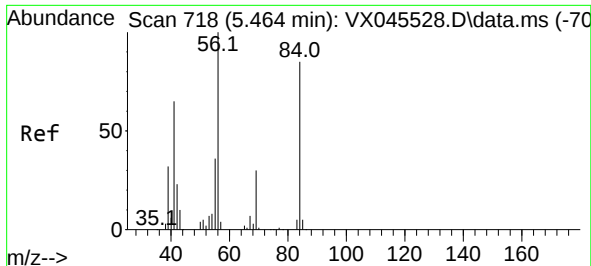
Ion Ratio Lower Upper

42 100

72 42.7 33.4 50.0

71 35.0 31.4 47.0

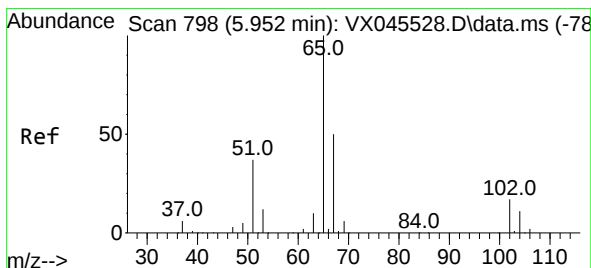
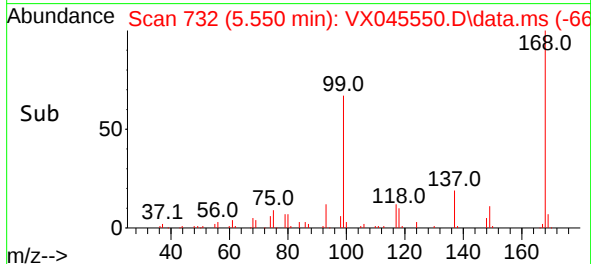
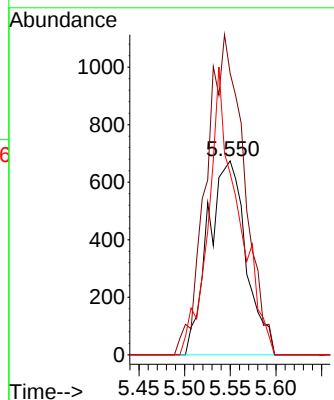
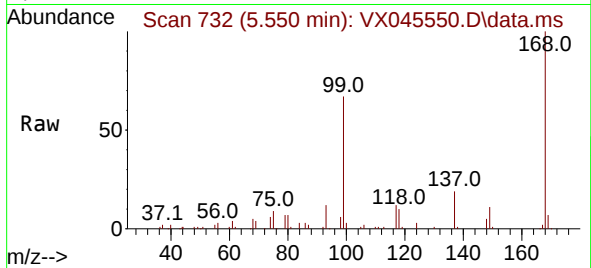




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

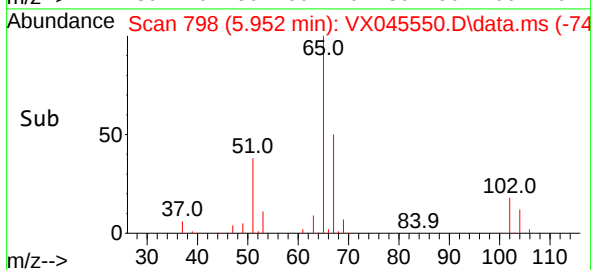
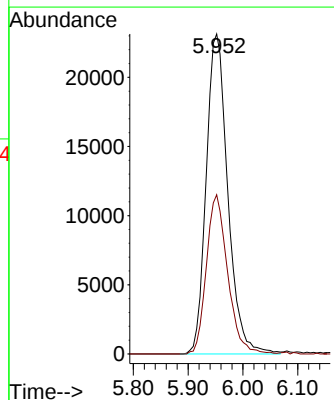
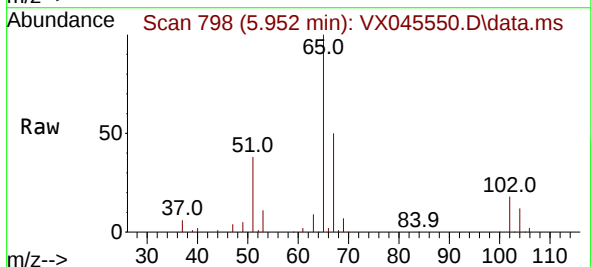
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

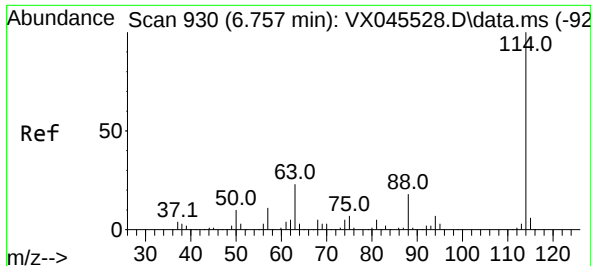
Tgt Ion: 56 Resp: 1951
Ion Ratio Lower Upper
56 100
69 145.3 23.6 35.4#
84 93.6 67.7 101.5



#33
1,2-Dichloroethane-d4
Concen: 52.056 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 65 Resp: 63193
Ion Ratio Lower Upper
65 100
67 48.9 0.0 99.0

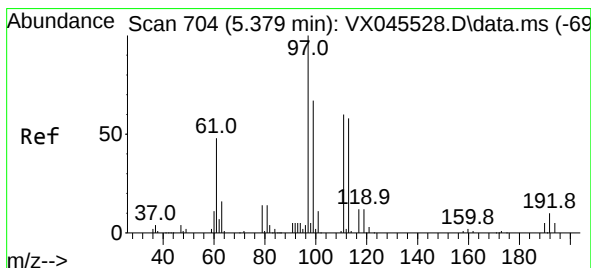
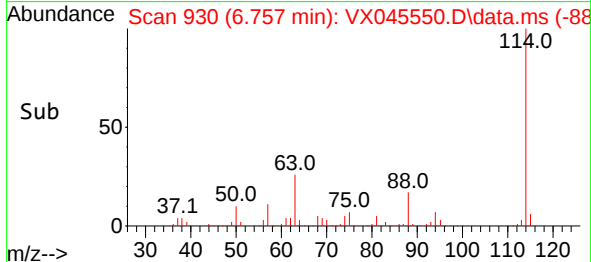
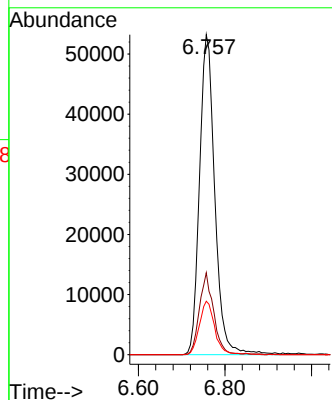
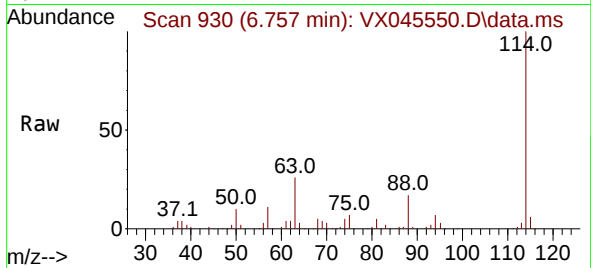




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

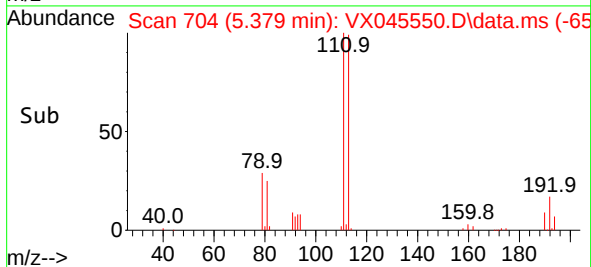
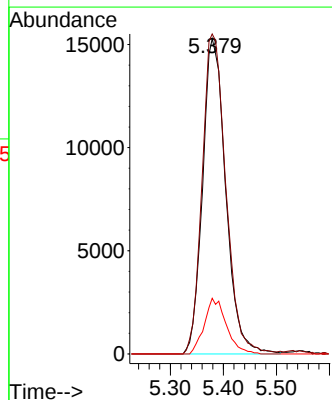
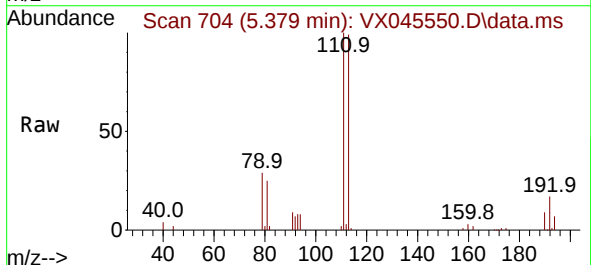
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

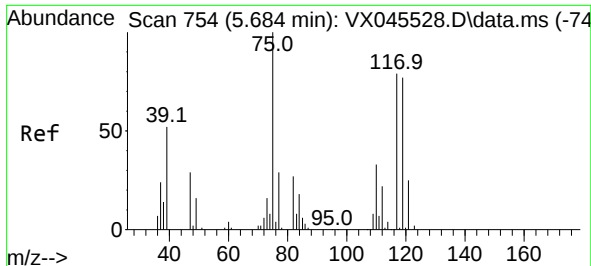
Tgt Ion:114 Resp: 130300
Ion Ratio Lower Upper
114 100
63 25.6 0.0 46.8
88 16.7 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.036 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion:113 Resp: 46257
Ion Ratio Lower Upper
113 100
111 103.8 81.8 122.6
192 16.9 13.8 20.6

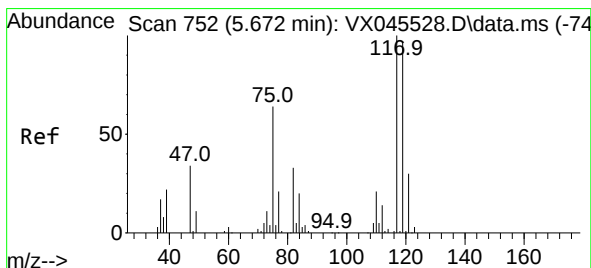
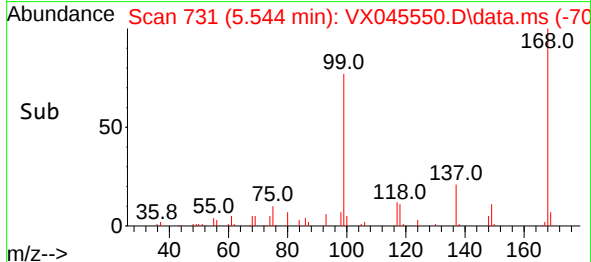
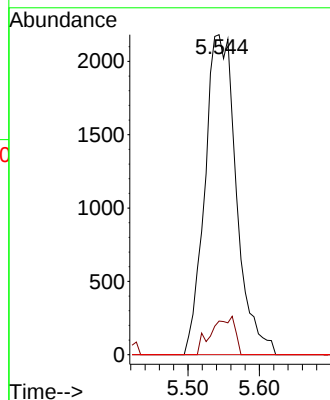
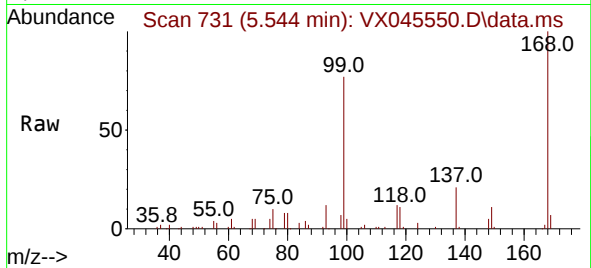




#36
1,1-Dichloropropene
Concen: 5.353 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

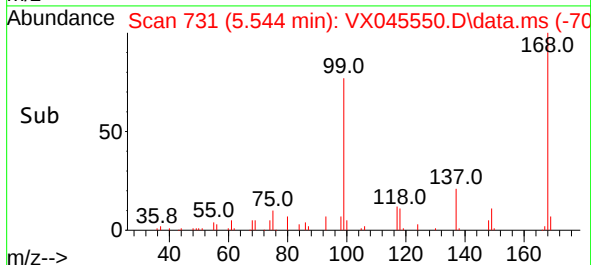
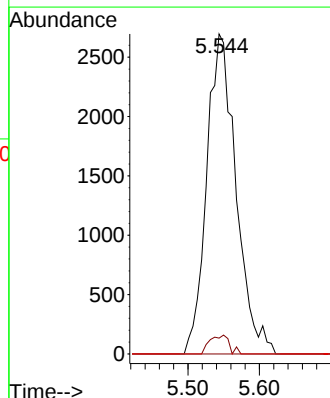
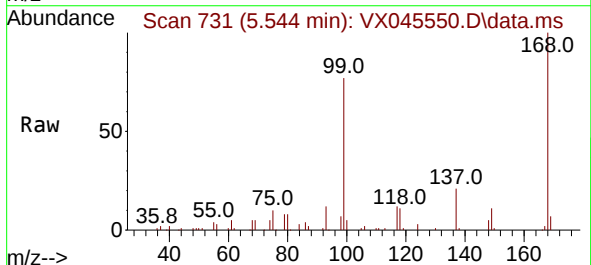
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

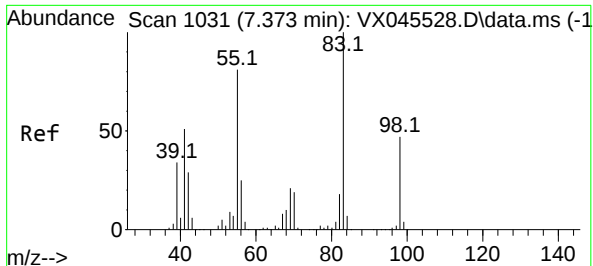
Tgt Ion: 75 Resp: 6682
Ion Ratio Lower Upper
75 100
110 9.0 16.9 50.6#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 117 Resp: 7678
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.531 ug/l

RT: 7.116 min Scan# 91

Delta R.T. -0.256 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

Instrument :

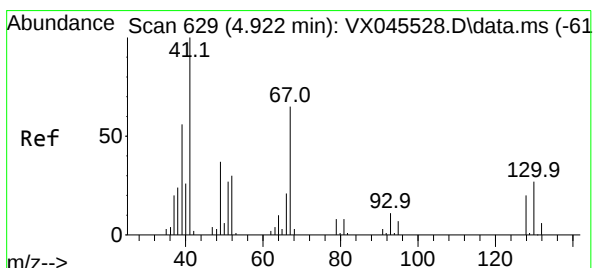
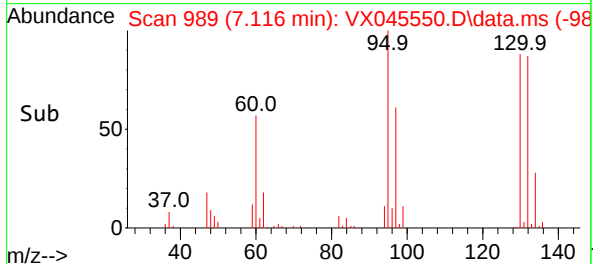
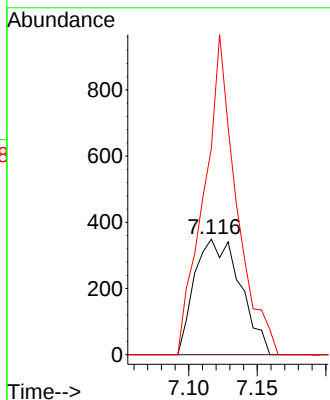
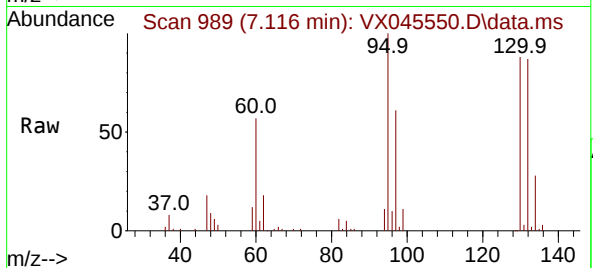
MSVOA_X

ClientSampleId :

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Tgt Ion: 83 Resp: 812

Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.9	97.3#
98	178.5	37.4	56.0#



#41

Methacrylonitrile

Concen: 3.083 ug/l

RT: 5.007 min Scan# 643

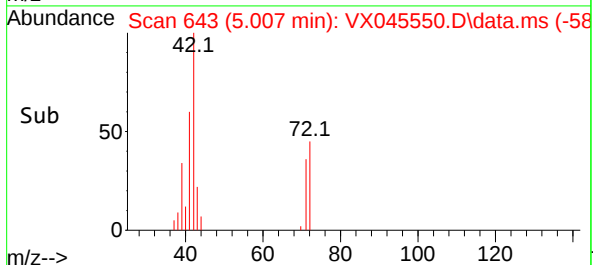
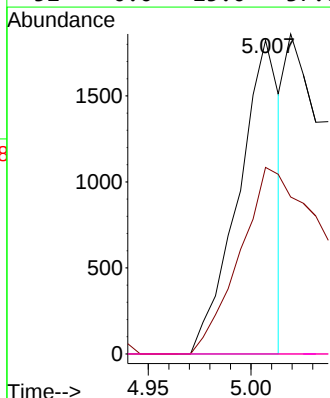
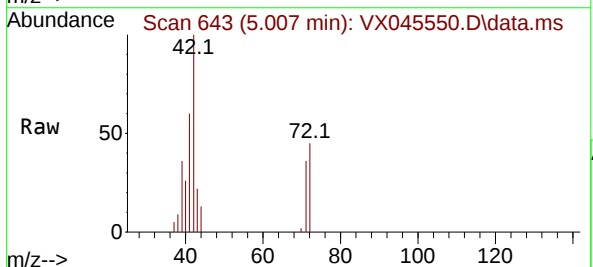
Delta R.T. 0.085 min

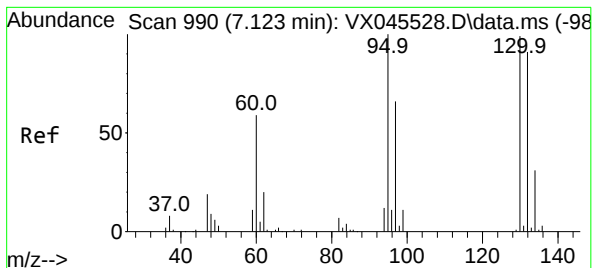
Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

Tgt Ion: 41 Resp: 2559

Ion	Ratio	Lower	Upper
41	100		
39	153.2	47.0	70.6#
67	0.0	53.2	79.8#
52	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 61.307 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

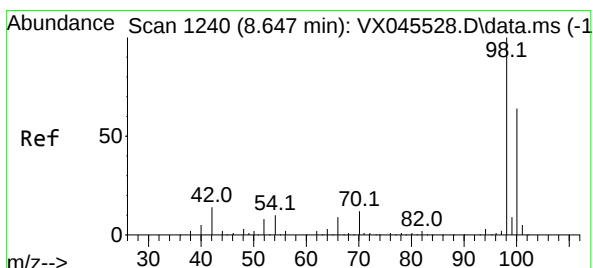
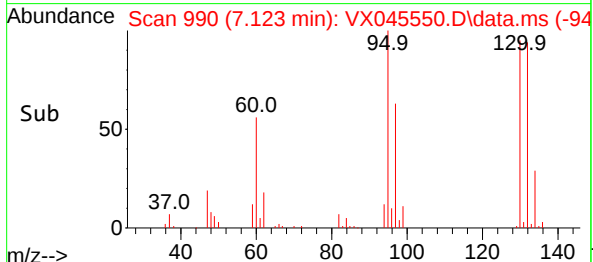
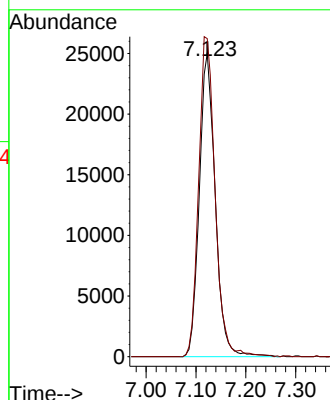
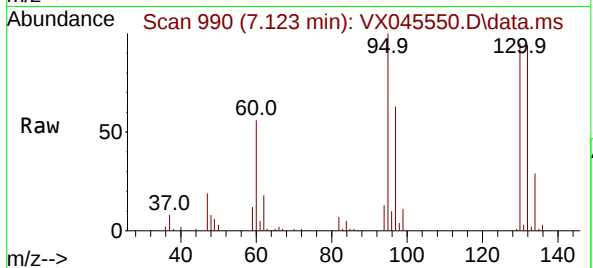
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Tgt Ion:130 Resp: 55551

Ion Ratio Lower Upper

130 100

95 104.8 0.0 202.0



#50

Toluene-d8

Concen: 50.020 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045550.D

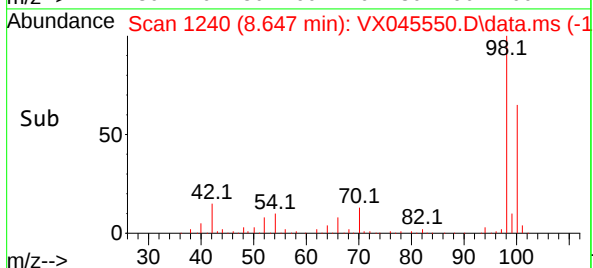
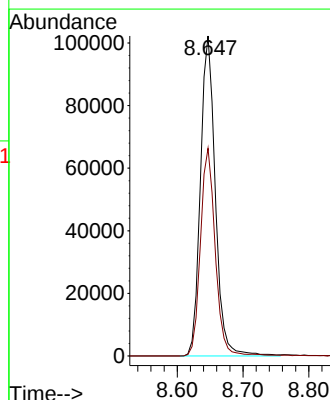
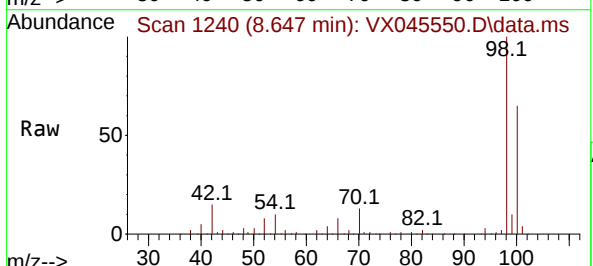
Acq: 02 Apr 2025 16:27

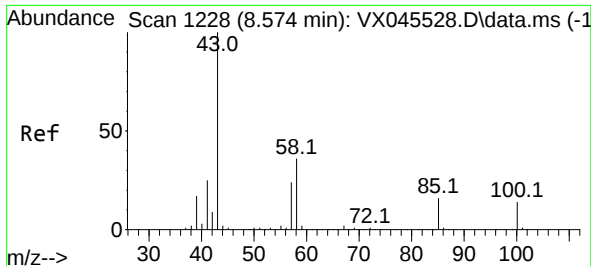
Tgt Ion: 98 Resp: 161403

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4





#51

4-Methyl-2-Pentanone

Concen: 0.624 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

Instrument :

MSVOA_X

ClientSampleId :

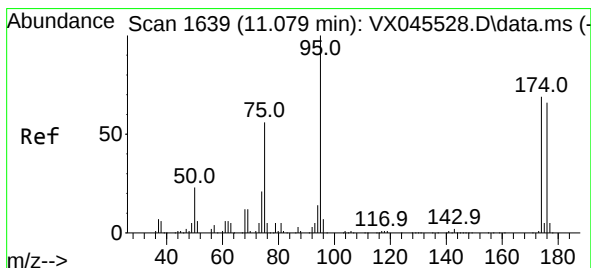
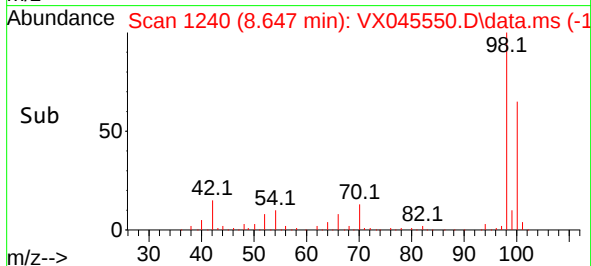
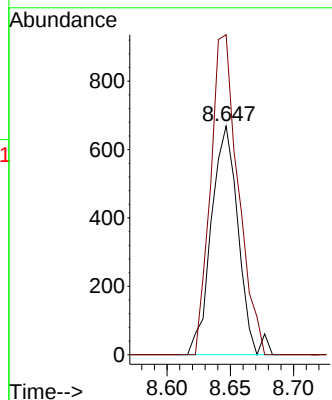
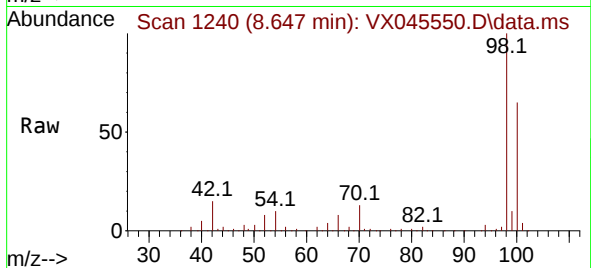
IW-02-55-040125-FD

Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

58 143.9 28.5 42.7#



#62

4-Bromofluorobenzene

Concen: 51.138 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045550.D

Acq: 02 Apr 2025 16:27

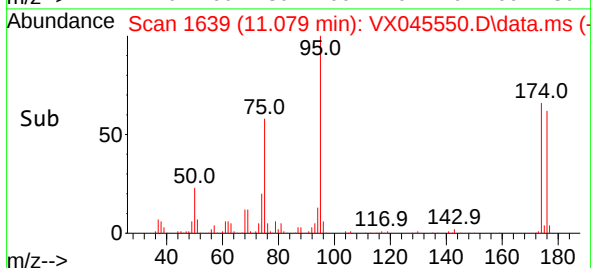
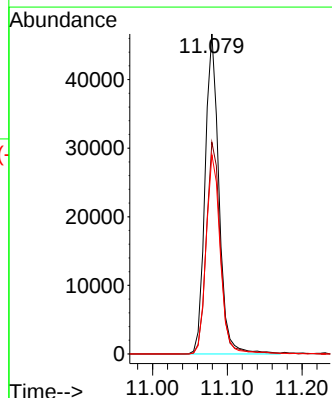
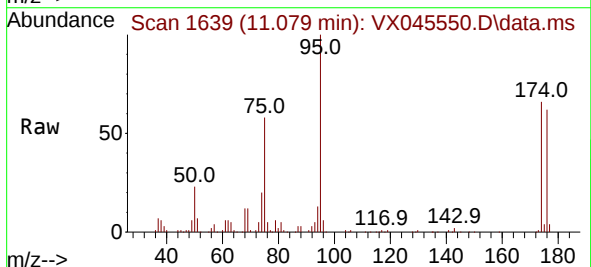
Tgt Ion: 95 Resp: 60106

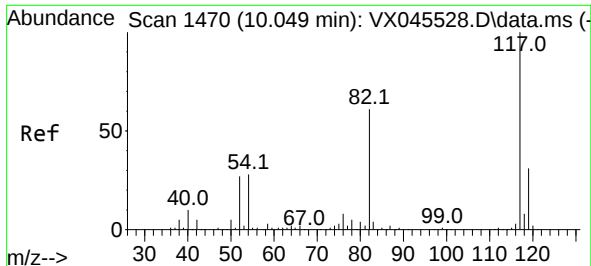
Ion Ratio Lower Upper

95 100

174 67.2 0.0 135.8

176 64.1 0.0 131.4

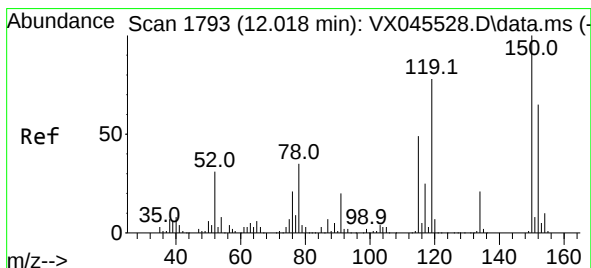
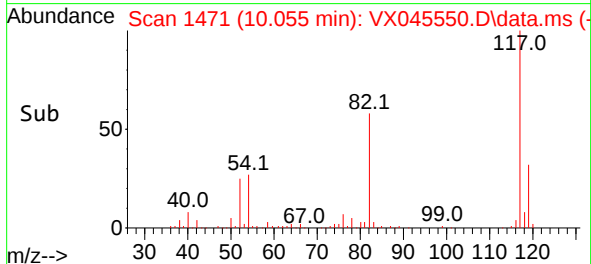
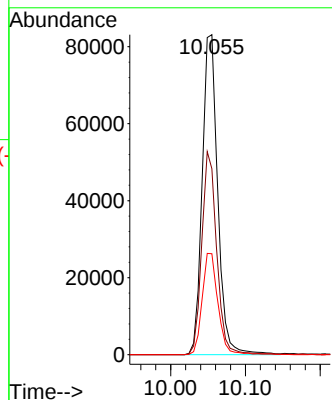
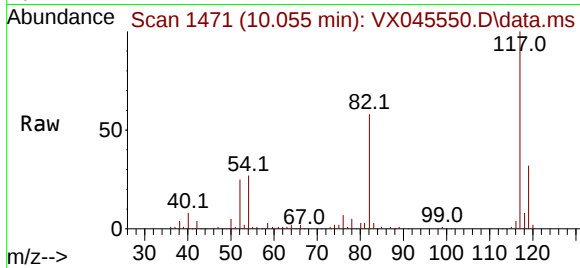




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

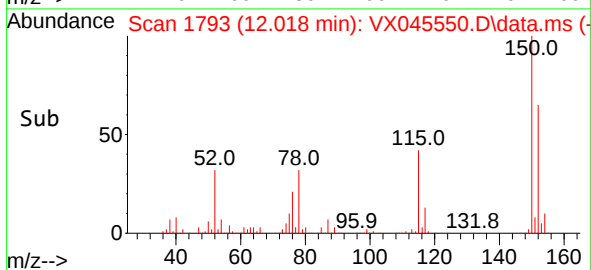
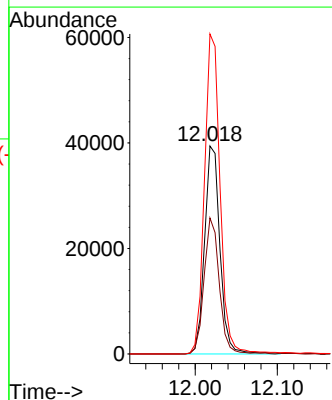
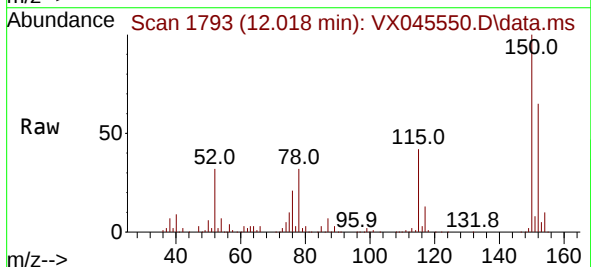
Instrument :
MSVOA_X
ClientSampleId :
IW-02-55-040125-FD

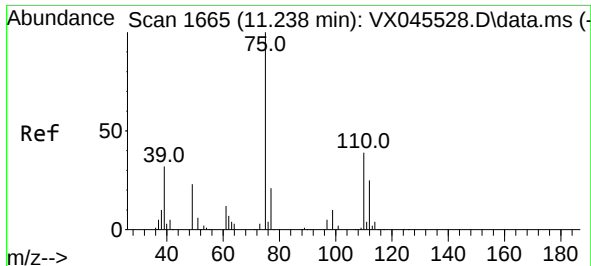
Tgt Ion:117 Resp: 120113
Ion Ratio Lower Upper
117 100
82 58.1 49.2 73.8
119 31.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion:152 Resp: 51150
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 156.8 0.0 349.4

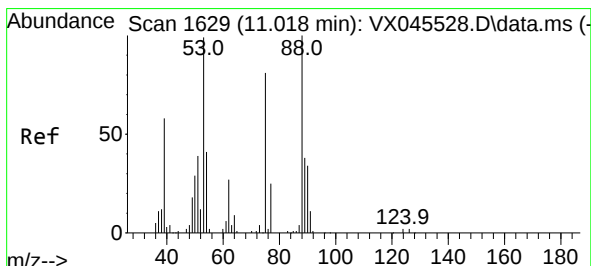
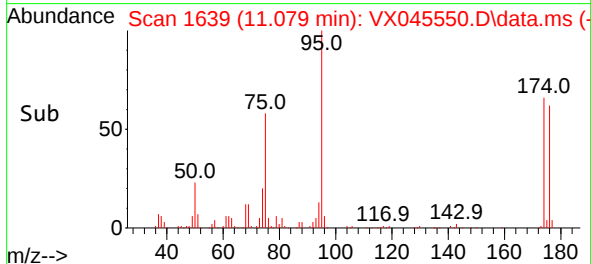
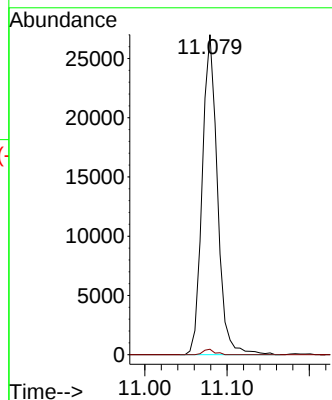
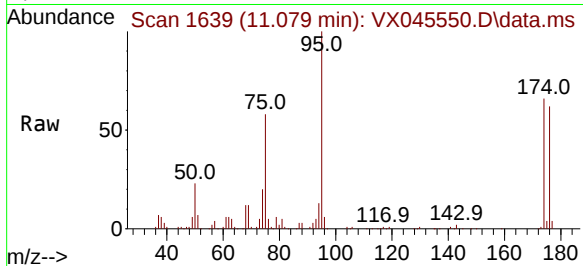




#76
1,2,3-Trichloropropane
Concen: 27.826 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

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

Tgt Ion: 75 Resp: 34718
Ion Ratio Lower Upper
75 100
77 1.3 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045550.D
Acq: 02 Apr 2025 16:27

Tgt Ion: 75 Resp: 34718
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#

