

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045354.D
 Acq On : 20 Mar 2025 12:30
 Operator : JC/MD
 Sample : Q1559-21DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312DL

Quant Time: Mar 21 01:45:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

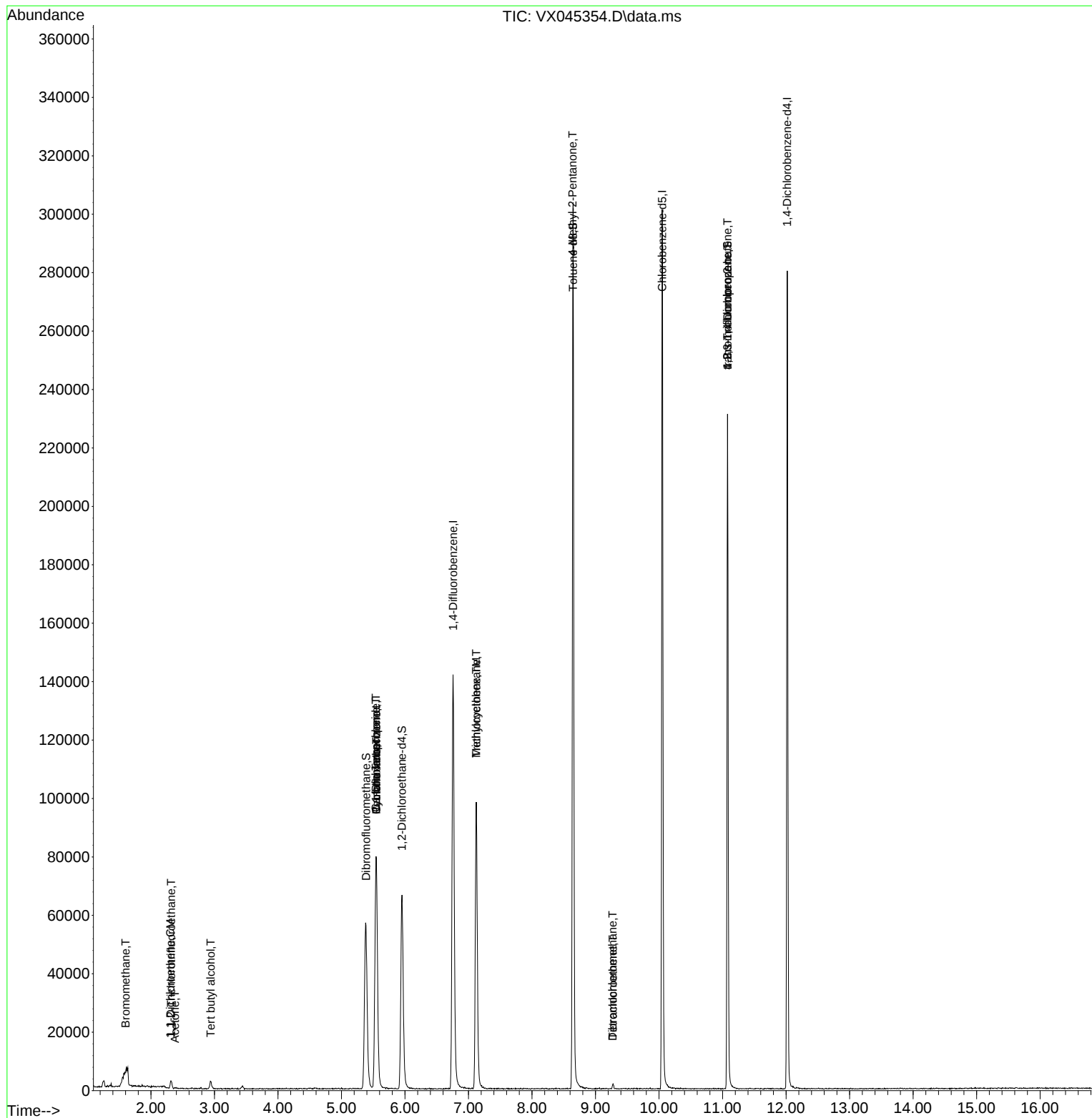
Internal Standards						
1) Pentafluorobenzene	5.550	168	71455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	53223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64357	56.623	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.240%	
35) Dibromofluoromethane	5.385	113	49428	52.864	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.720%	
50) Toluene-d8	8.647	98	172491	50.886	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	11.079	95	59332	52.822	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.640%	
Target Compounds						Qvalue
5) Bromomethane	1.599	94	99	0.231	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.319	101	936	1.127	ug/l	89
11) Tert butyl alcohol	2.940	59	1489	6.916	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	386	0.440	ug/l #	77
16) Acetone	2.380	43	271	0.514	ug/l #	44
31) Cyclohexane	5.550	56	2255	1.458	ug/l #	50
36) 1,1-Dichloropropene	5.544	75	6595	5.143	ug/l #	51
38) Carbon Tetrachloride	5.544	117	8024	6.164	ug/l #	15
39) Methylcyclohexane	7.123	83	522	0.340	ug/l #	1
44) Trichloroethene	7.123	130	36938	38.851	ug/l	96
51) 4-Methyl-2-Pentanone	8.641	43	996	0.607	ug/l #	1
60) Dibromochloromethane	9.269	129	302	0.295	ug/l #	11
64) Tetrachloroethene	9.275	164	285	0.353	ug/l #	73
76) 1,2,3-Trichloropropane	11.079	75	34320	27.705	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34320	94.811	ug/l #	6

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

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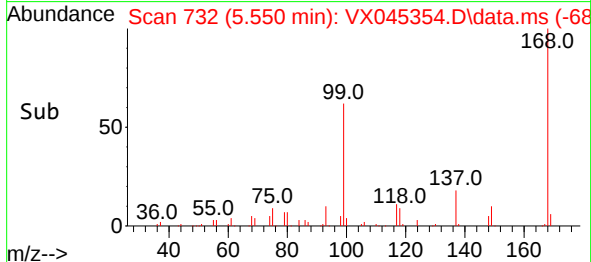
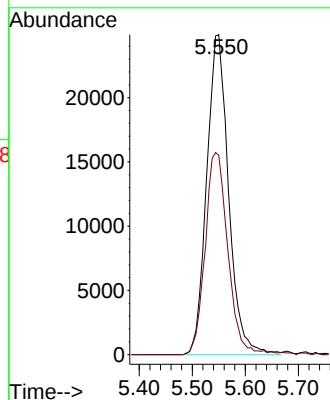
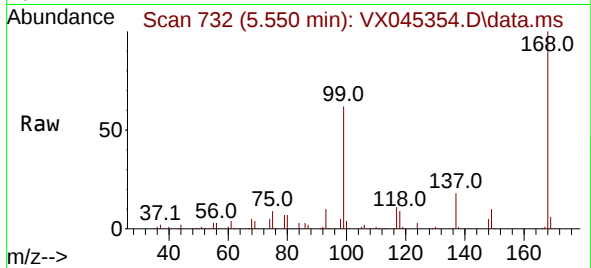




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

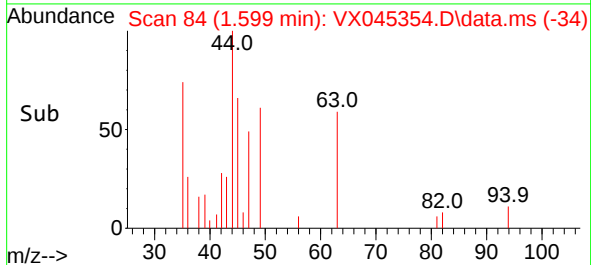
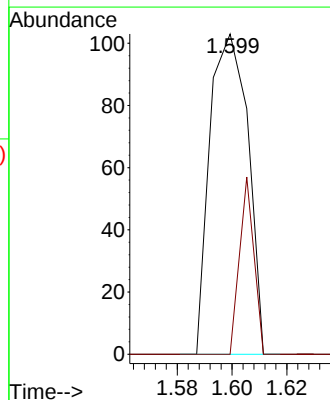
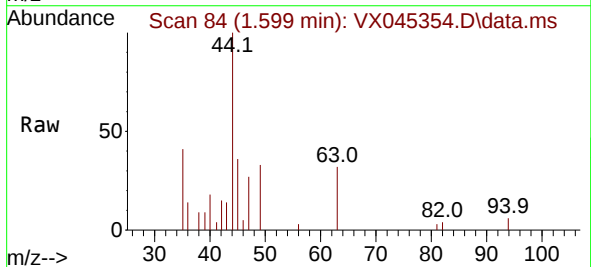
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

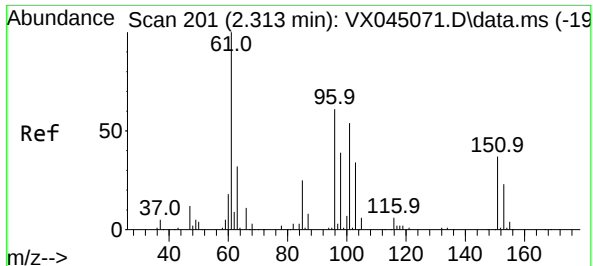
Tgt Ion:168 Resp: 71455
Ion Ratio Lower Upper
168 100
99 62.3 48.2 72.4



#5
Bromomethane
Concen: 0.231 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

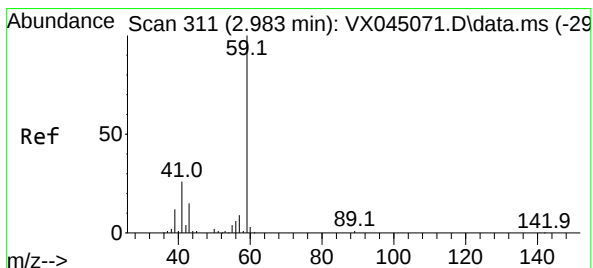
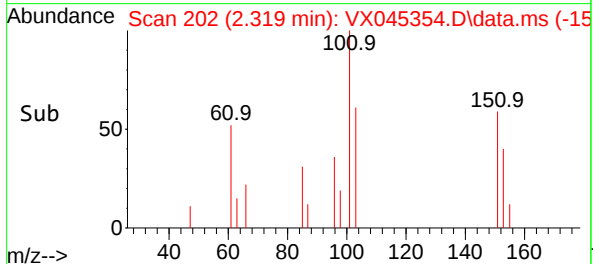
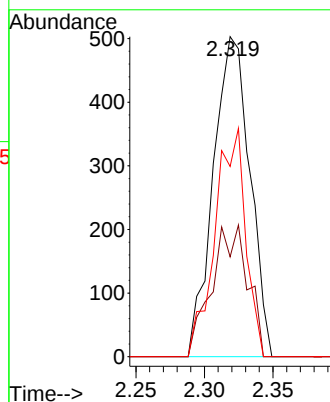
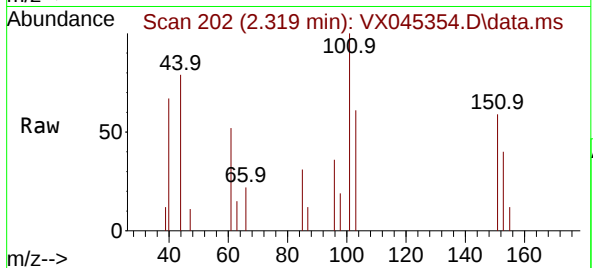




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.127 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

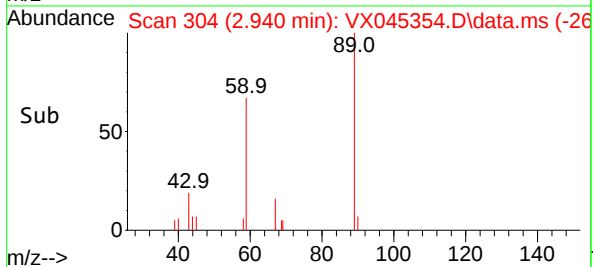
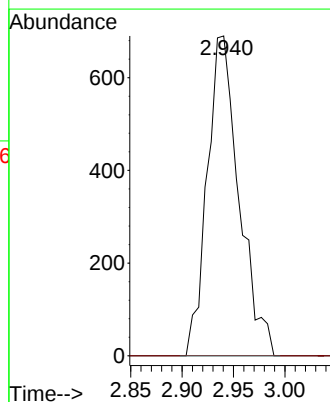
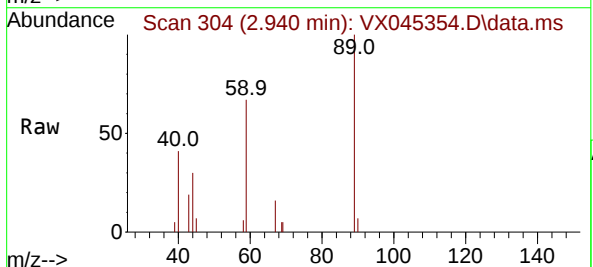
Instrument :
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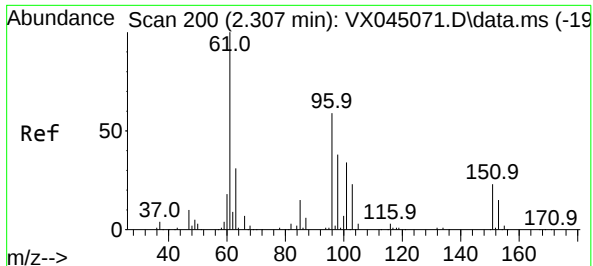
Tgt Ion:101 Resp: 936
Ion Ratio Lower Upper
101 100
85 40.4 36.2 54.4
151 59.4 56.4 84.6



#11
Tert butyl alcohol
Concen: 6.916 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 59 Resp: 1489
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.440 ug/l

RT: 2.306 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX045354.D

Acq: 20 Mar 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20250312DL

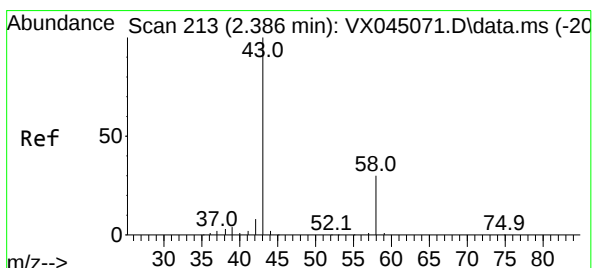
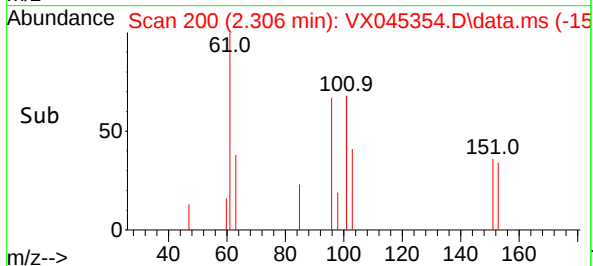
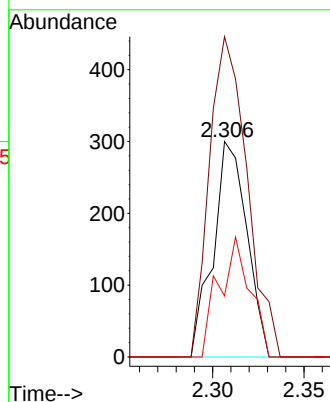
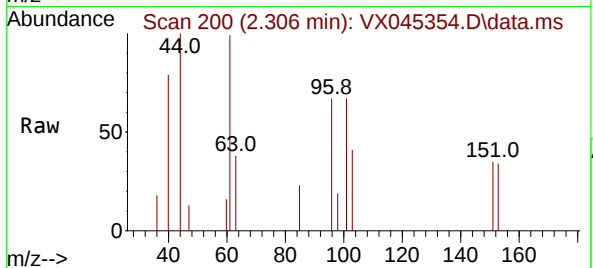
Tgt Ion: 96 Resp: 386

Ion Ratio Lower Upper

96 100

61 148.7 134.6 202.0

98 28.3 51.0 76.6#



#16

Acetone

Concen: 0.514 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045354.D

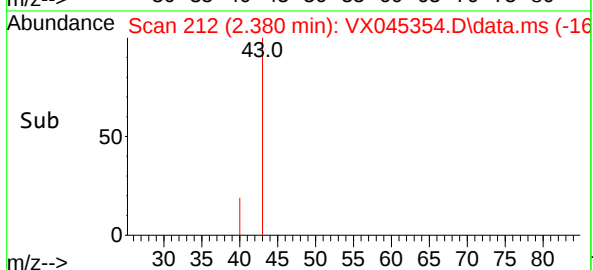
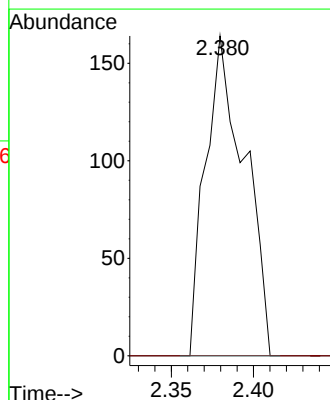
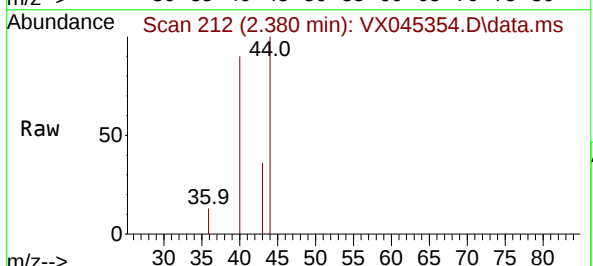
Acq: 20 Mar 2025 12:30

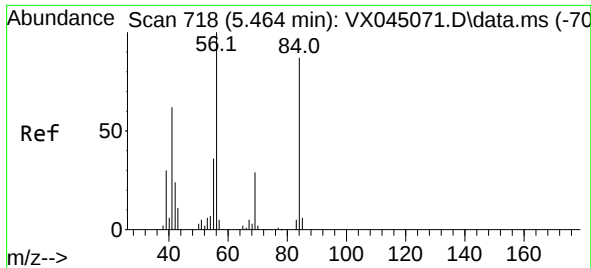
Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#

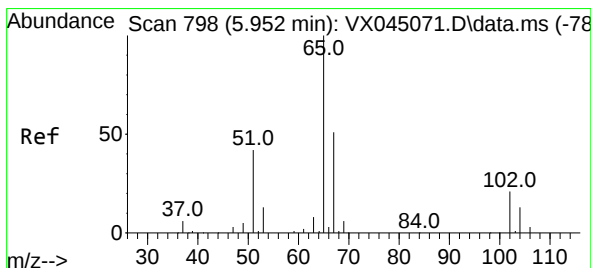
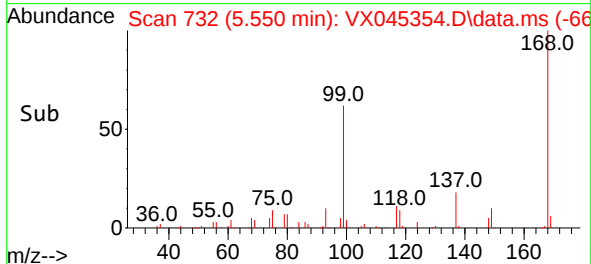
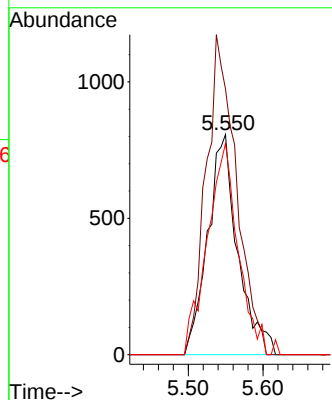
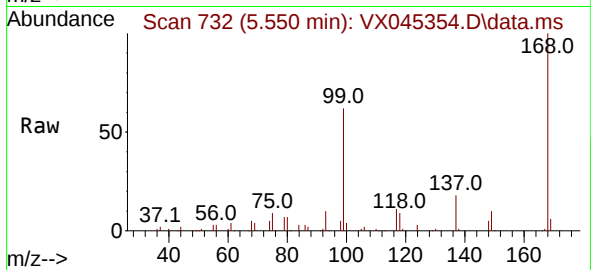




#31
Cyclohexane
Concen: 1.458 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

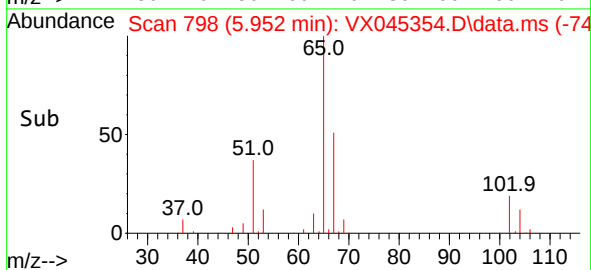
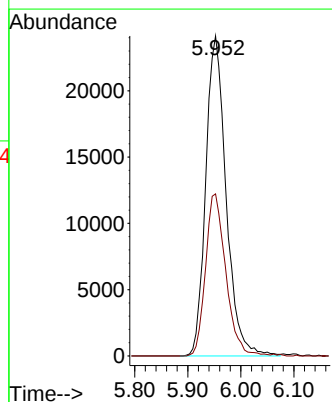
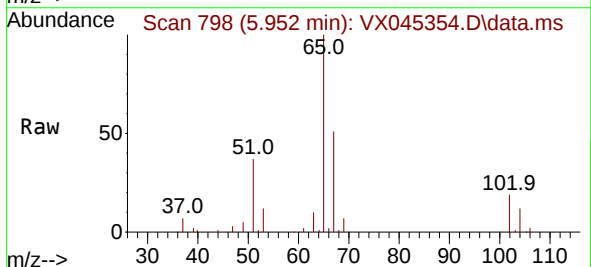
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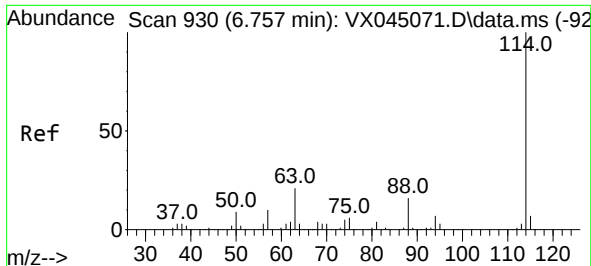
Tgt Ion: 56 Resp: 2255
Ion Ratio Lower Upper
56 100
69 120.7 23.4 35.2#
84 95.9 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.623 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 65 Resp: 64357
Ion Ratio Lower Upper
65 100
67 50.4 0.0 106.2

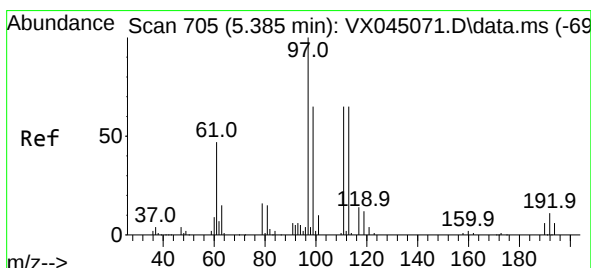
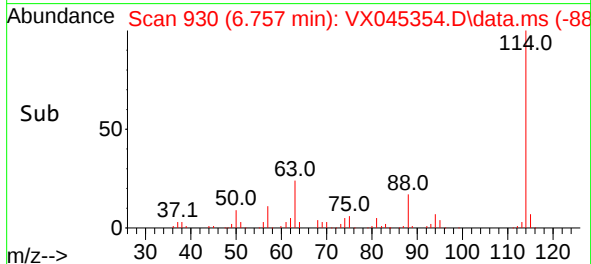
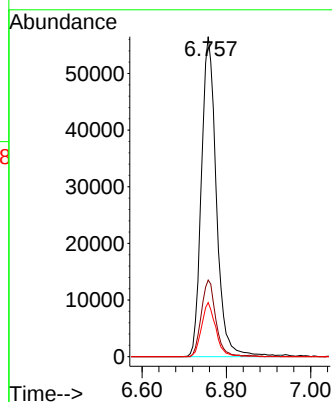
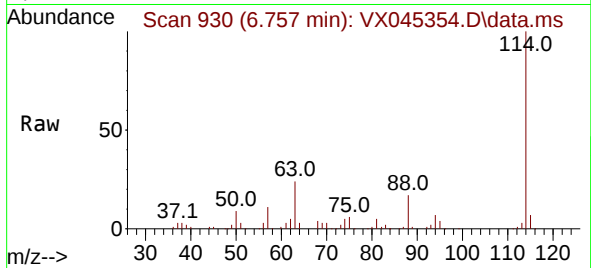




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

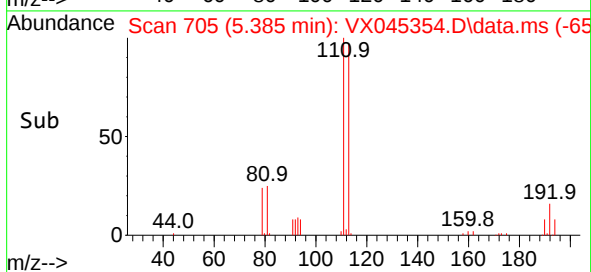
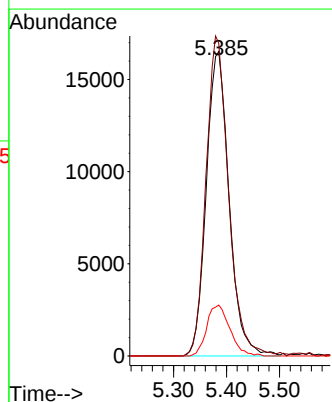
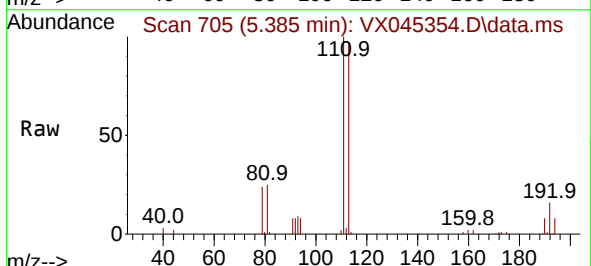
Instrument :
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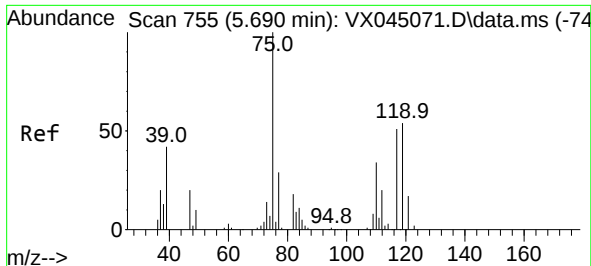
Tgt Ion:114 Resp: 139830
Ion Ratio Lower Upper
114 100
63 24.0 0.0 41.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.864 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:113 Resp: 49428
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 16.9 14.3 21.5

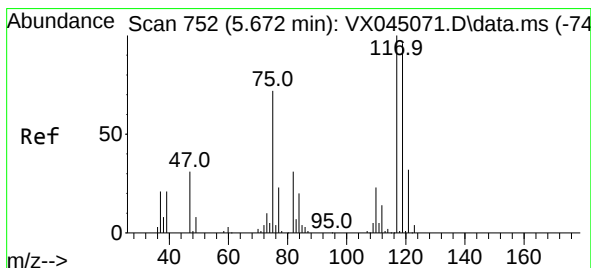
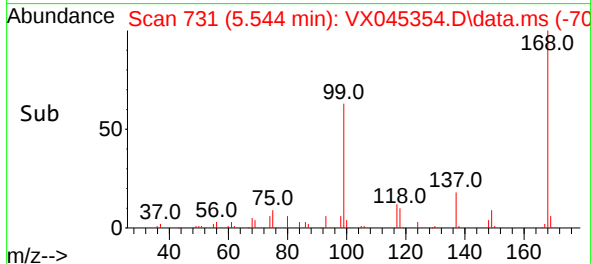
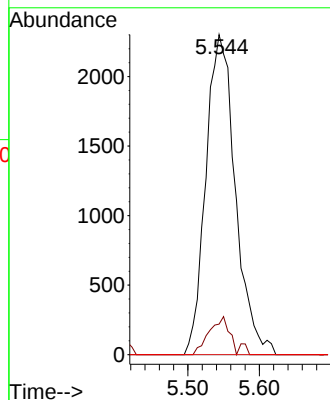
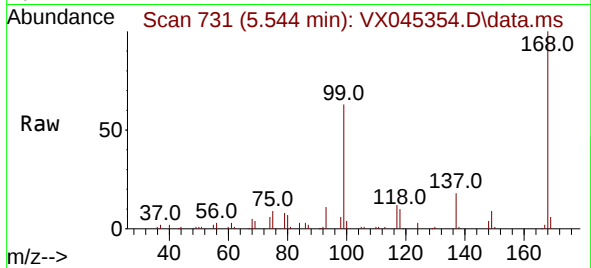




#36
1,1-Dichloropropene
Concen: 5.143 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

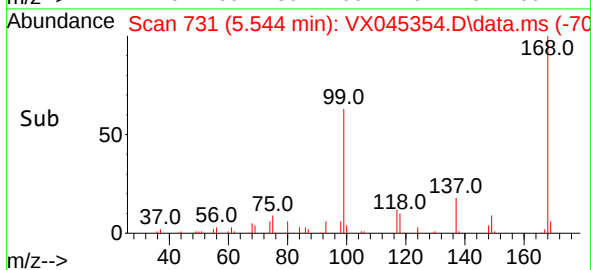
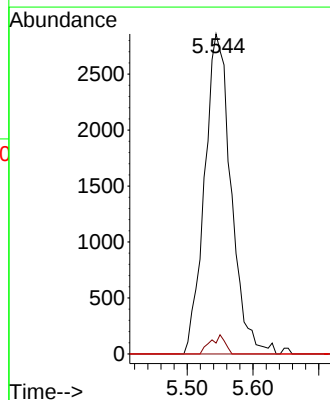
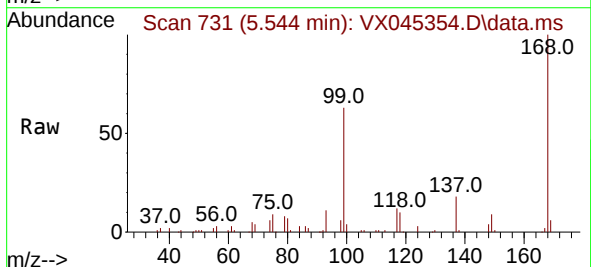
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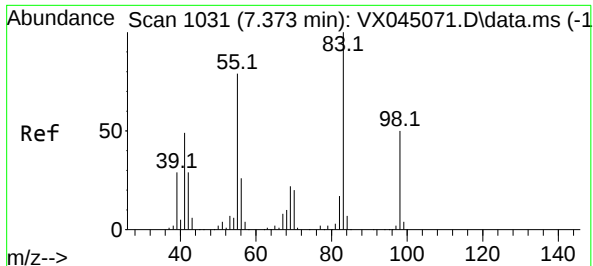
Tgt Ion: 75 Resp: 6595
Ion Ratio Lower Upper
75 100
110 8.9 16.9 50.6#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.164 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 117 Resp: 8024
Ion Ratio Lower Upper
117 100
119 3.4 76.7 115.1#
121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.340 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.250 min

Lab File: VX045354.D

Acq: 20 Mar 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

RE120D3-20250312DL

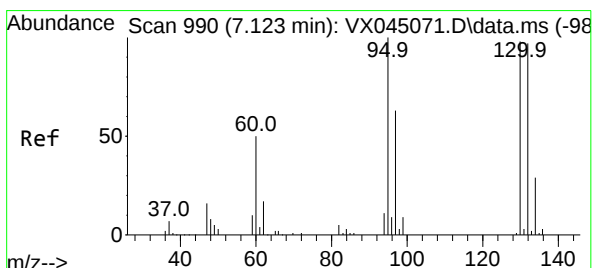
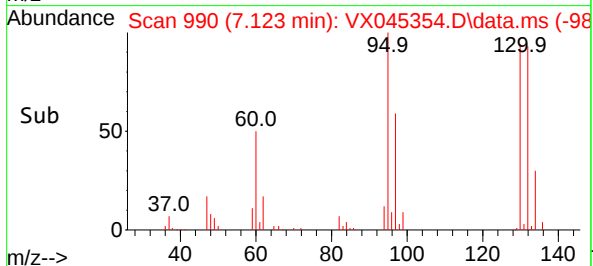
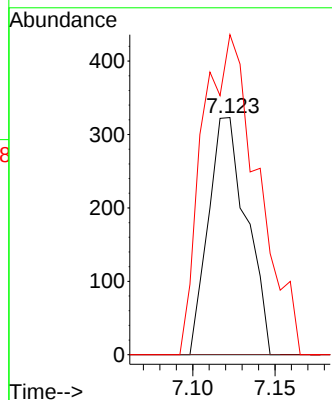
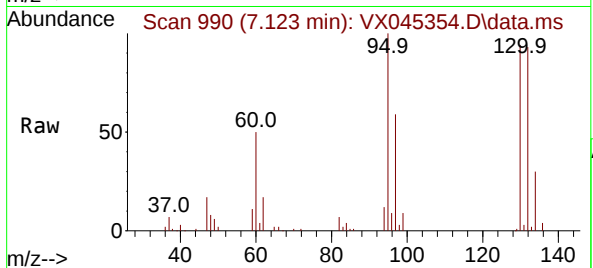
Tgt Ion: 83 Resp: 522

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 135.0 39.7 59.5#



#44

Trichloroethene

Concen: 38.851 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX045354.D

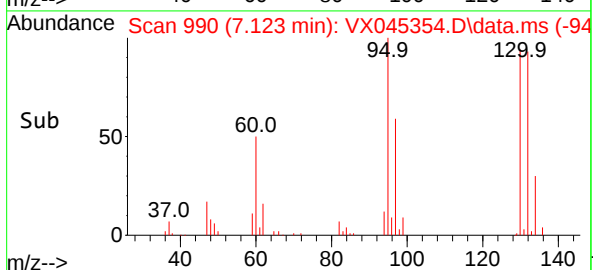
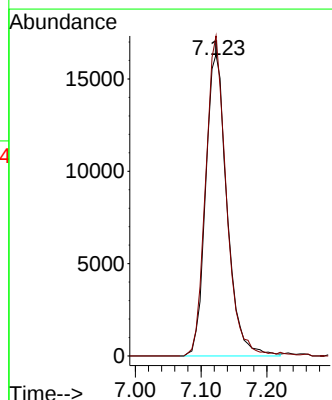
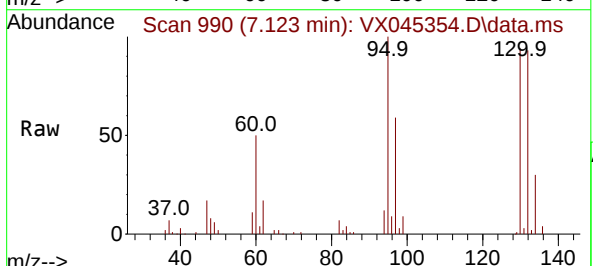
Acq: 20 Mar 2025 12:30

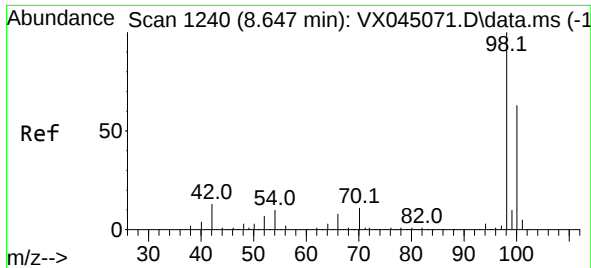
Tgt Ion:130 Resp: 36938

Ion Ratio Lower Upper

130 100

95 106.1 0.0 205.0

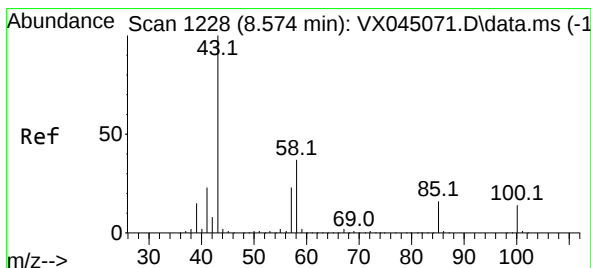
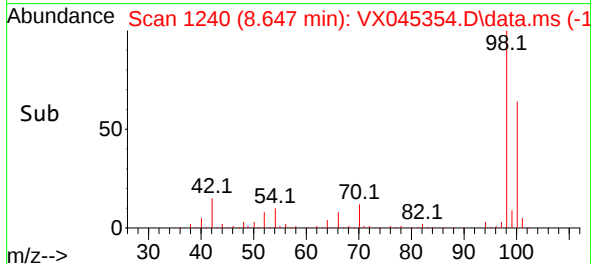
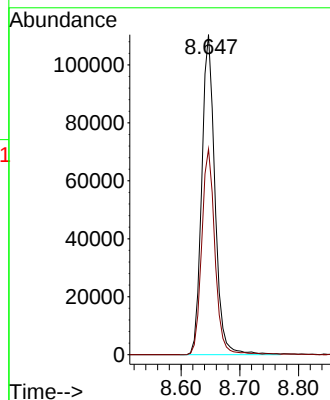
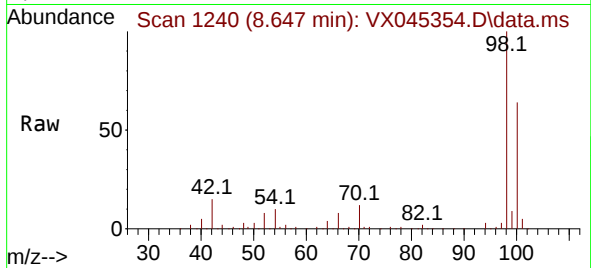




#50
Toluene-d8
Concen: 50.886 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

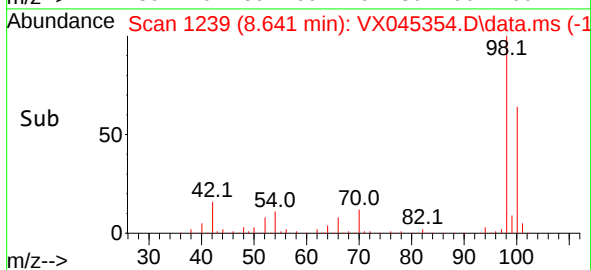
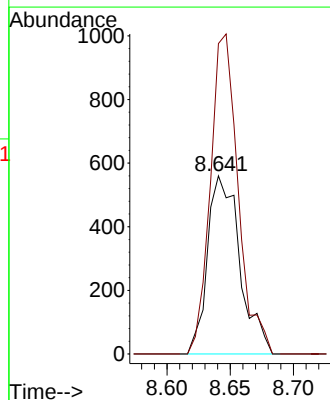
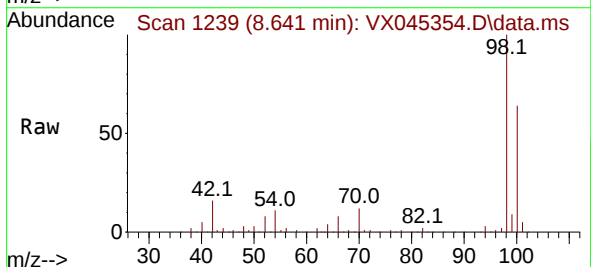
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

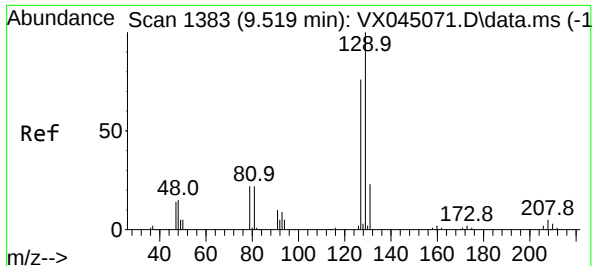
Tgt Ion: 98 Resp: 172491
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.607 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 43 Resp: 996
Ion Ratio Lower Upper
43 100
58 154.4 29.2 43.8#

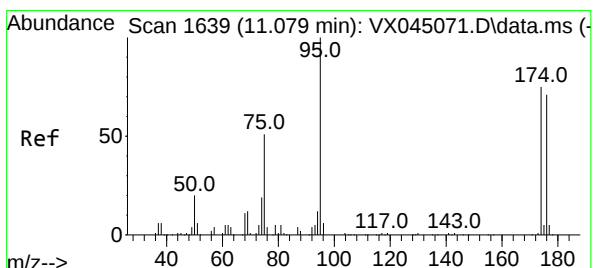
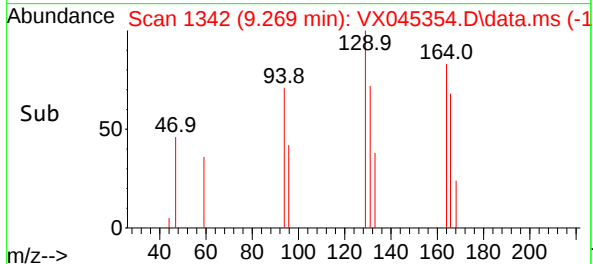
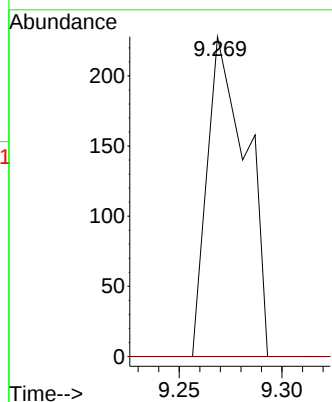
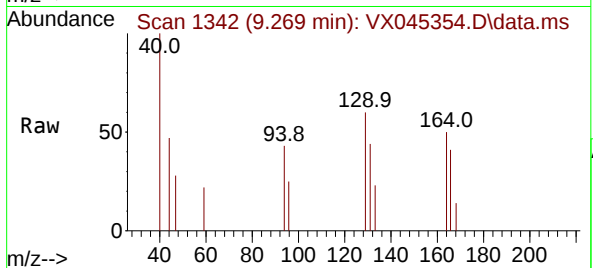




#60
Dibromochloromethane
Concen: 0.295 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

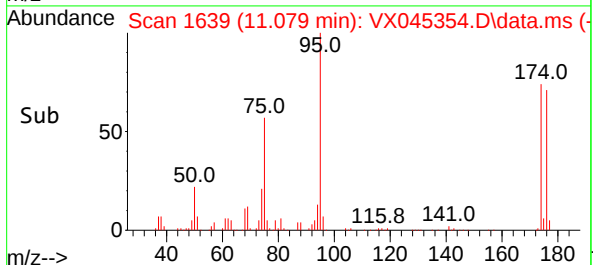
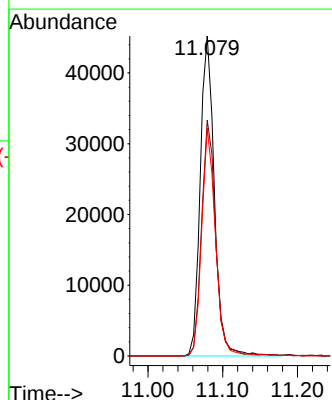
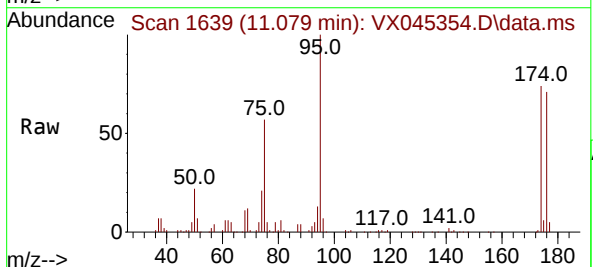
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

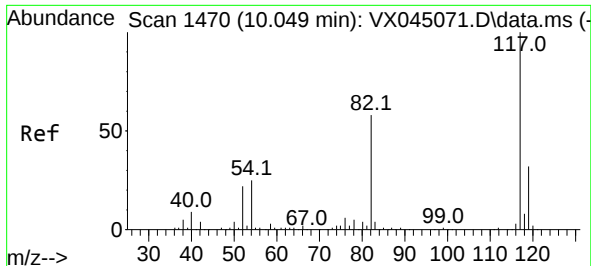
Tgt Ion:129 Resp: 302
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 52.822 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion: 95 Resp: 59332
Ion Ratio Lower Upper
95 100
174 74.0 0.0 148.2
176 69.7 0.0 141.4

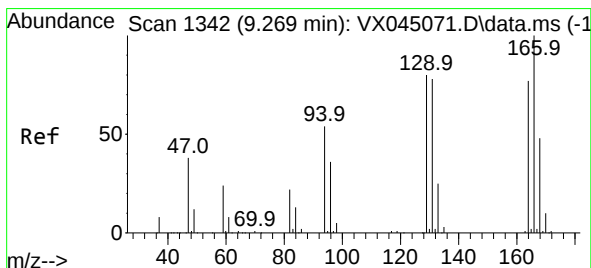
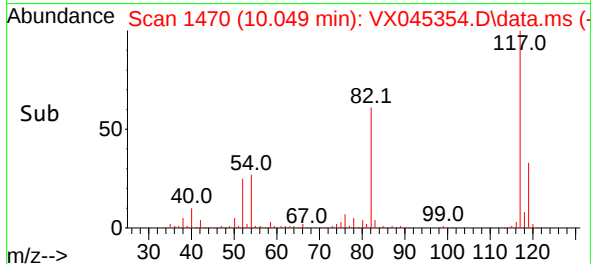
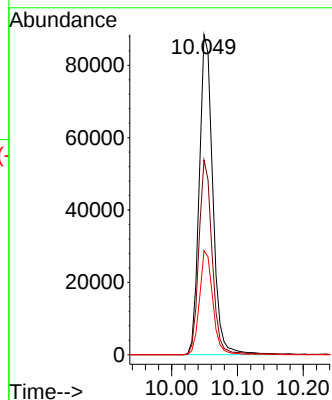
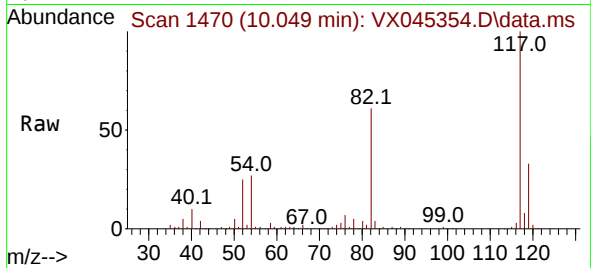




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

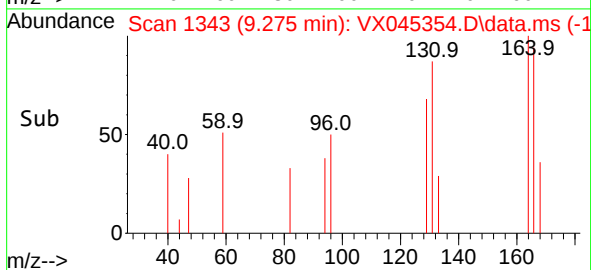
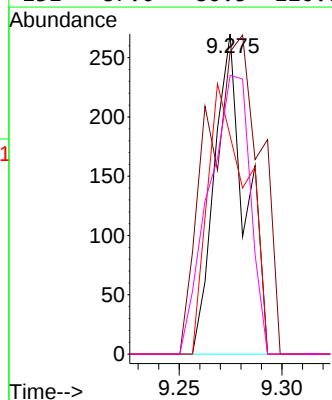
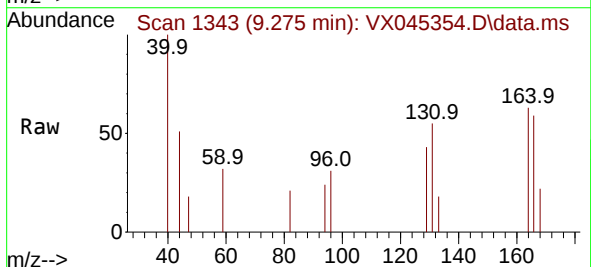
Instrument :
MSVOA_X
ClientSampleId :
RE120D3-20250312DL

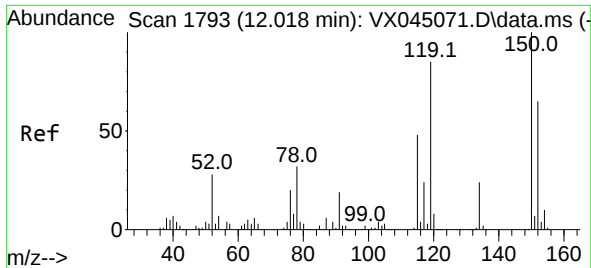
Tgt Ion:117 Resp: 126173
Ion Ratio Lower Upper
117 100
82 60.8 46.3 69.5
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 0.353 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045354.D
Acq: 20 Mar 2025 12:30

Tgt Ion:164 Resp: 285
Ion Ratio Lower Upper
164 100
166 94.4 103.6 155.4#
129 68.1 82.7 124.1#
131 87.0 80.5 120.7

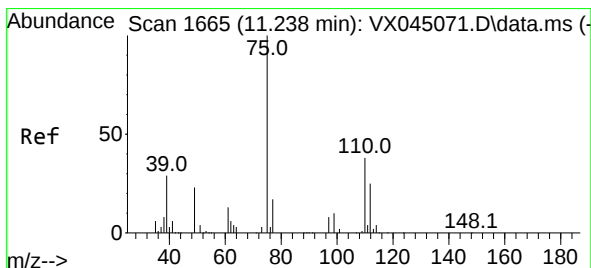
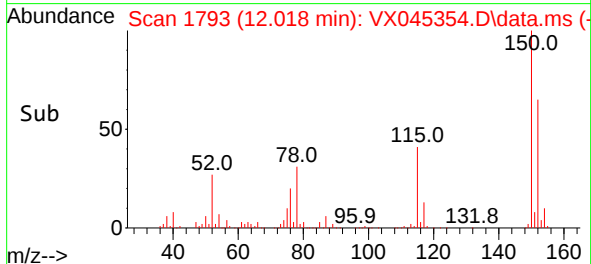
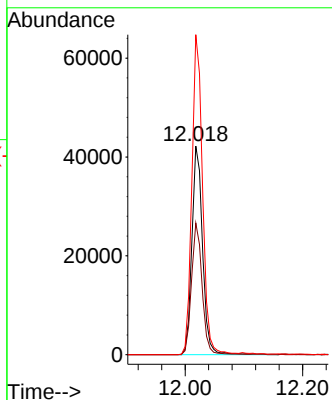
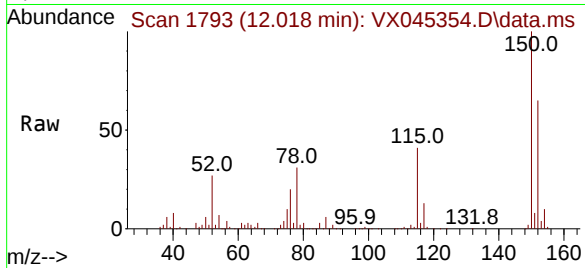




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045354.D
 Acq: 20 Mar 2025 12:30

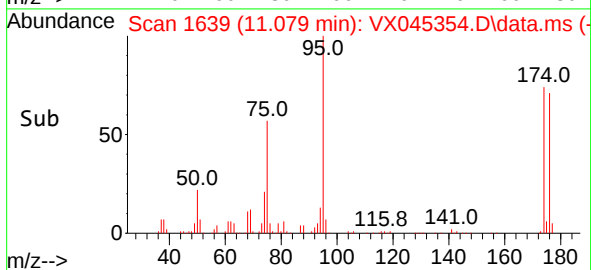
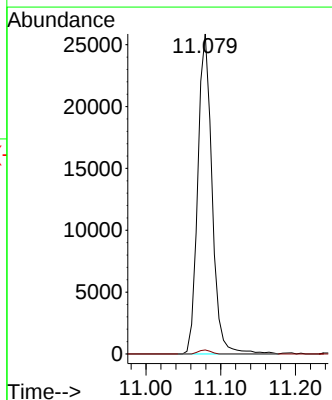
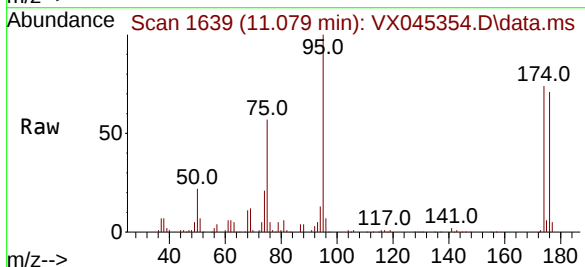
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312DL

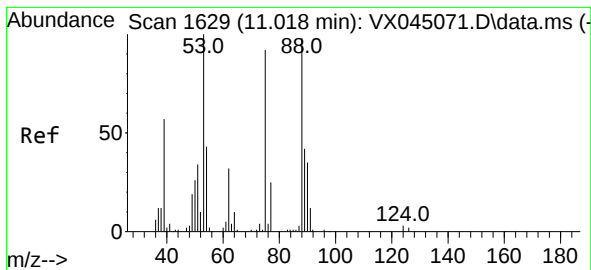
Tgt Ion:152 Resp: 53223
 Ion Ratio Lower Upper
 152 100
 115 62.7 44.2 132.6
 150 153.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 27.705 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045354.D
 Acq: 20 Mar 2025 12:30

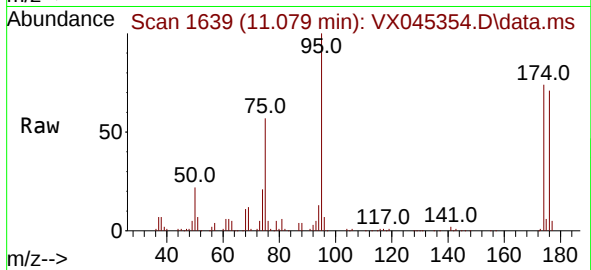
Tgt Ion: 75 Resp: 34320
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.811 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045354.D
 Acq: 20 Mar 2025 12:30

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D3-20250312DL



Tgt Ion: 75 Resp: 34320
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

