

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045352.D
 Acq On : 20 Mar 2025 11:44
 Operator : JC/MD
 Sample : Q1559-09DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250310DL

Quant Time: Mar 21 01:44:49 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)

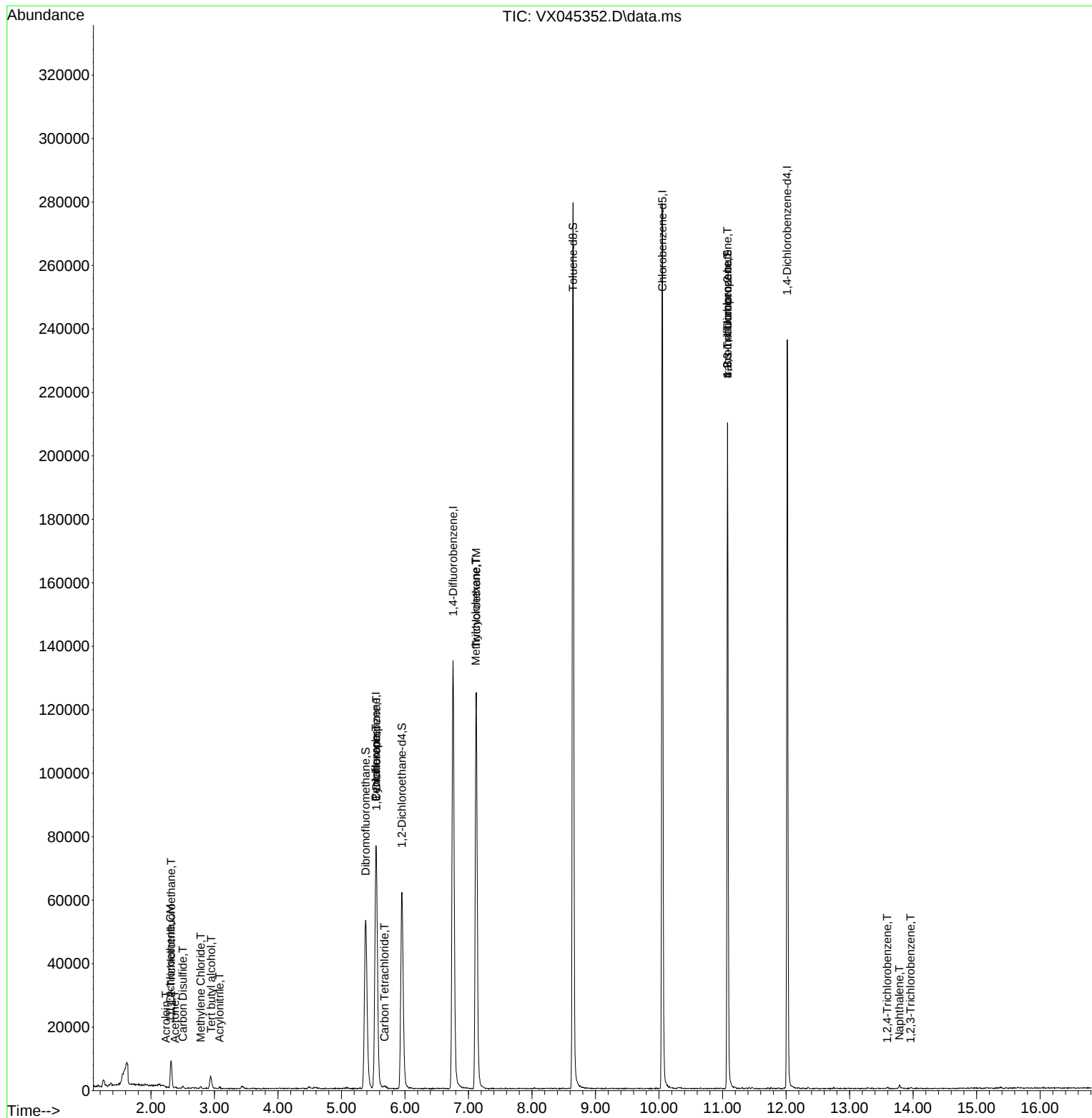
Internal Standards						
1) Pentafluorobenzene	5.544	168	67584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133155	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	45287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61600	57.301	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 114.600%	
35) Dibromofluoromethane	5.379	113	46858	52.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.260%	
50) Toluene-d8	8.647	98	164552	50.978	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.960%	
62) 4-Bromofluorobenzene	11.079	95	54195	50.667	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.340%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.319	101	2383	3.034	ug/l	95
11) Tert butyl alcohol	2.946	59	2253	11.064	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	1159	1.396	ug/l	97
13) Acrolein	2.233	56	48	0.204	ug/l #	15
15) Acrylonitrile	3.081	53	122	0.224	ug/l #	54
16) Acetone	2.380	43	375	0.752	ug/l #	44
17) Carbon Disulfide	2.501	76	711	0.321	ug/l #	91
20) Methylene Chloride	2.782	84	281	0.284	ug/l #	61
31) Cyclohexane	5.544	56	2083	1.424	ug/l #	38
36) 1,1-Dichloropropene	5.550	75	6363	5.211	ug/l #	50
38) Carbon Tetrachloride	5.678	117	412	0.332	ug/l #	80
39) Methylcyclohexane	7.116	83	695	0.475	ug/l #	1
44) Trichloroethene	7.123	130	45737	50.517	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	30407	28.848	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	30407	98.722	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	189	0.222	ug/l #	79
95) Naphthalene	13.786	128	1519	0.465	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.963	180	259	0.289	ug/l	90

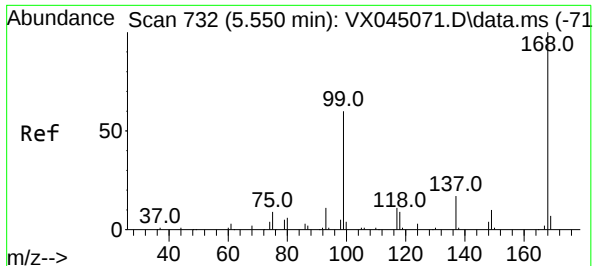
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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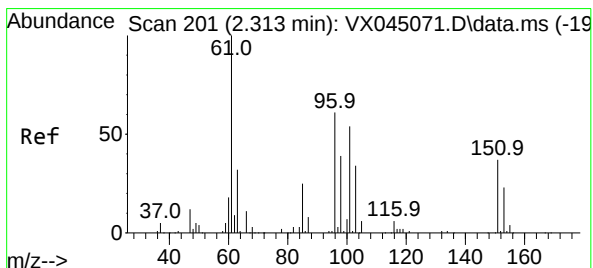
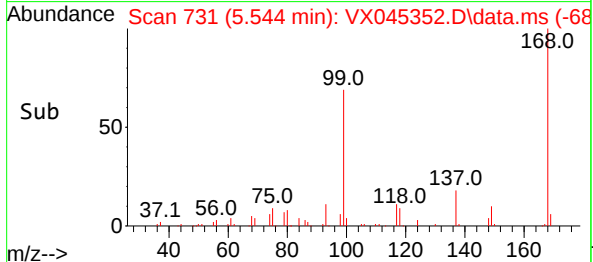
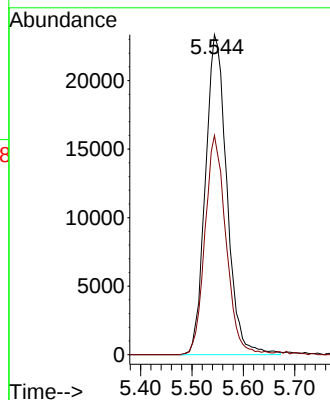
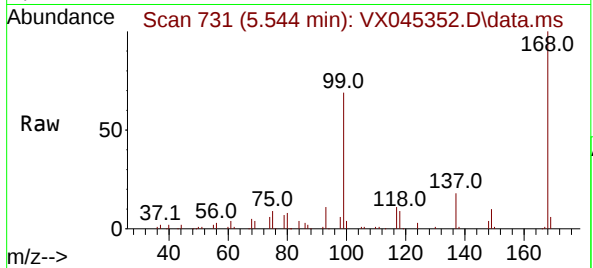




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

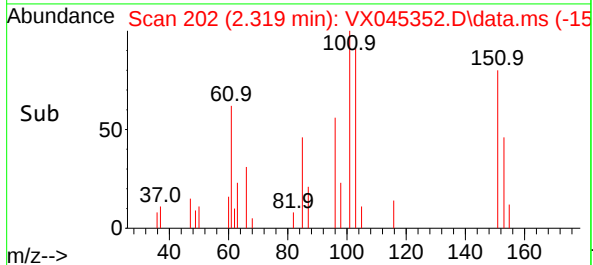
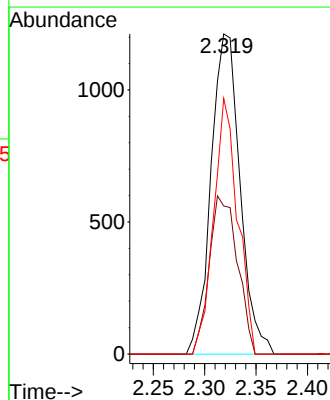
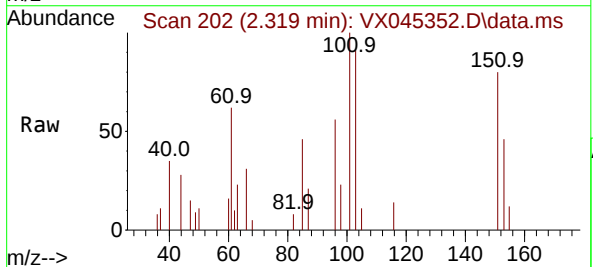
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

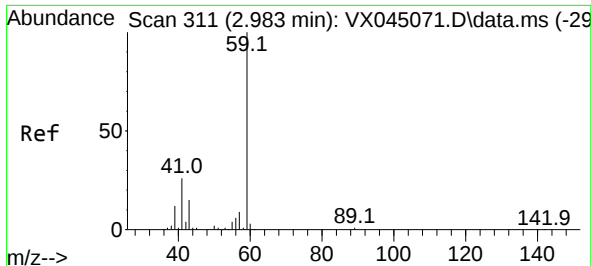
Tgt Ion:168 Resp: 67584
Ion Ratio Lower Upper
168 100
99 68.5 48.2 72.4



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.034 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion:101 Resp: 2383
Ion Ratio Lower Upper
101 100
85 47.8 36.2 54.4
151 66.2 56.4 84.6





#11

Tert butyl alcohol

Concen: 11.064 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

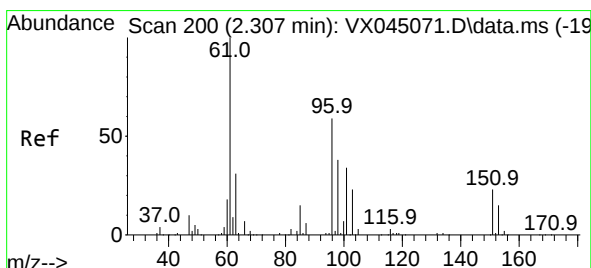
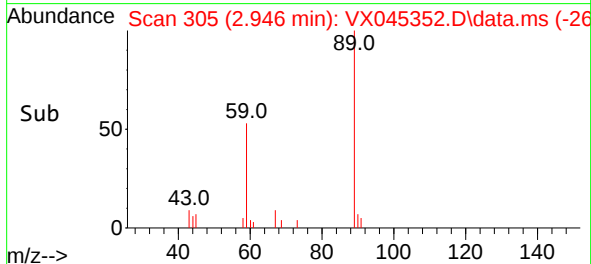
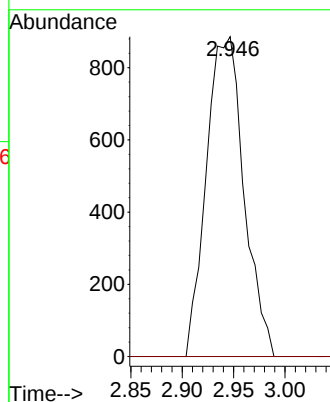
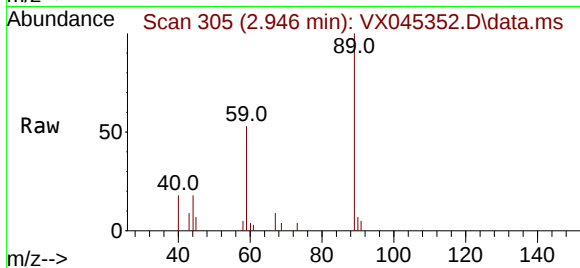
DUP03-20250310DL

Tgt Ion: 59 Resp: 2253

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 1.396 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

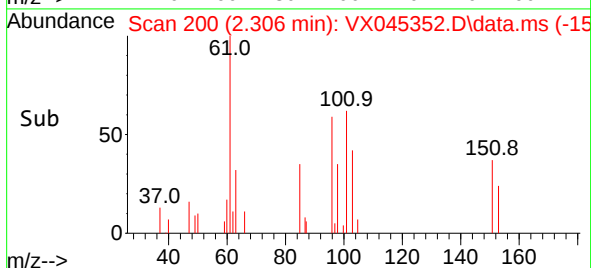
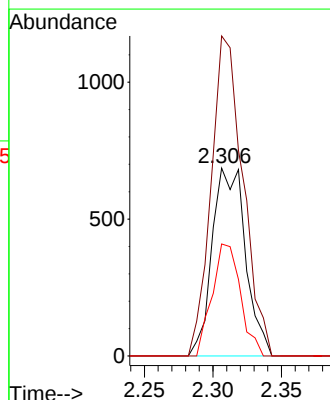
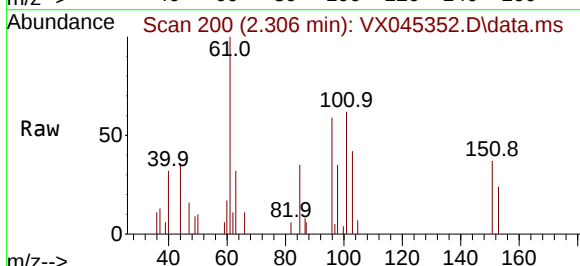
Tgt Ion: 96 Resp: 1159

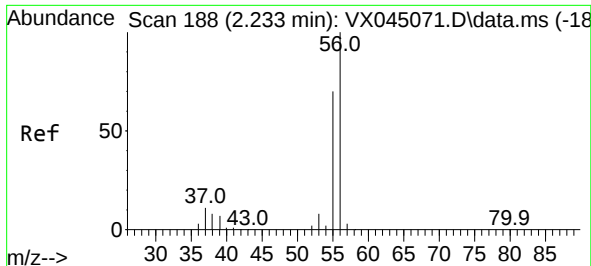
Ion Ratio Lower Upper

96 100

61 170.4 134.6 202.0

98 59.6 51.0 76.6

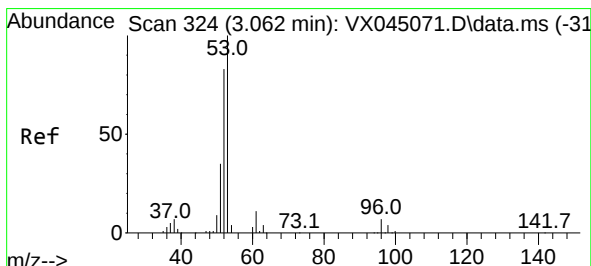
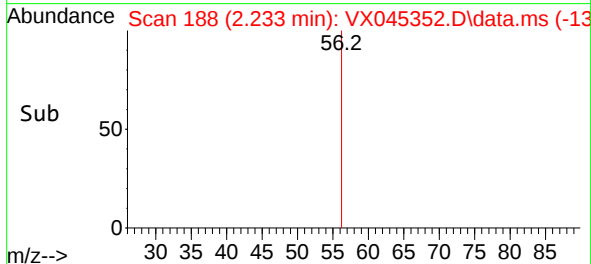
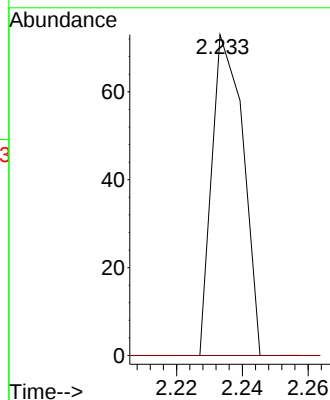
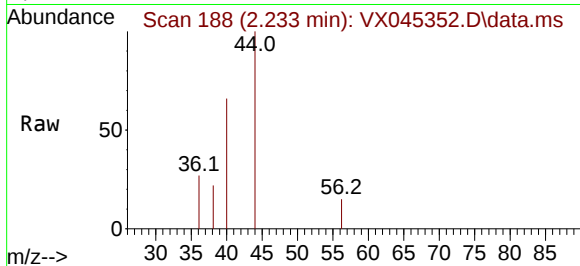




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

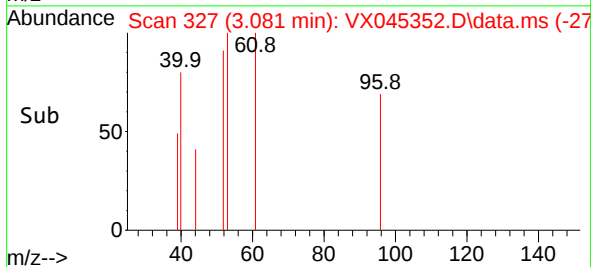
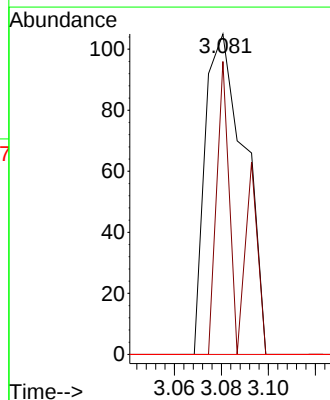
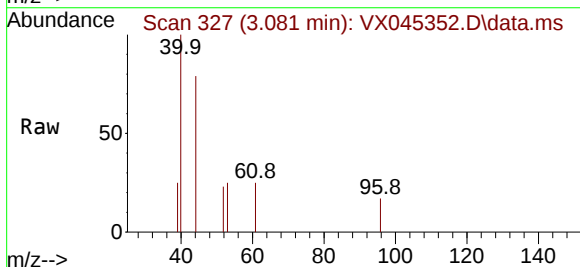
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

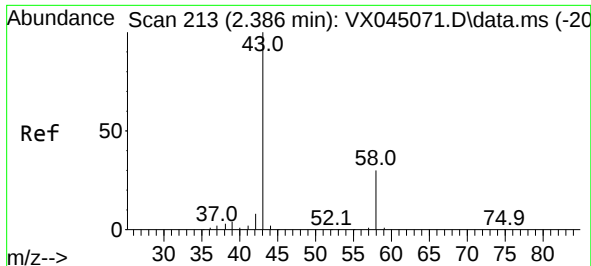
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#15
Acrylonitrile
Concen: 0.224 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 53 Resp: 122
Ion Ratio Lower Upper
53 100
52 47.5 66.2 99.2#
51 0.0 29.0 43.4#

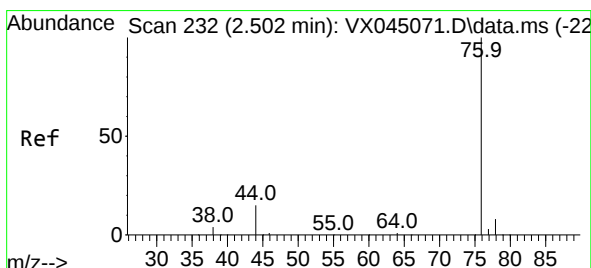
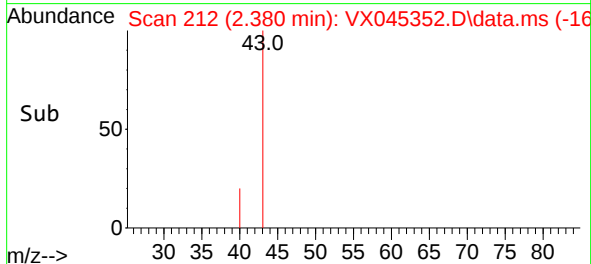
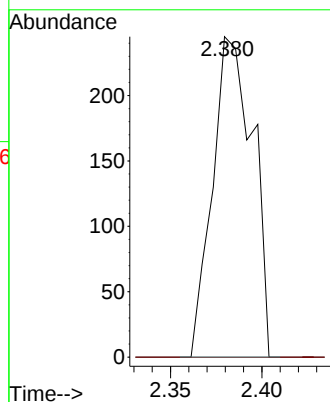
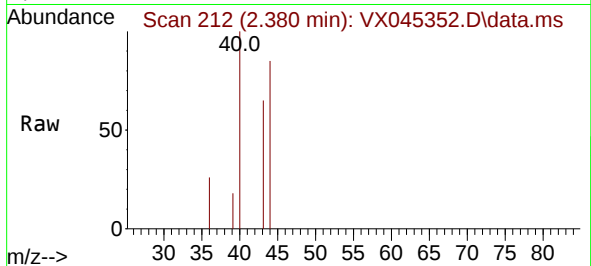




#16
Acetone
Concen: 0.752 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

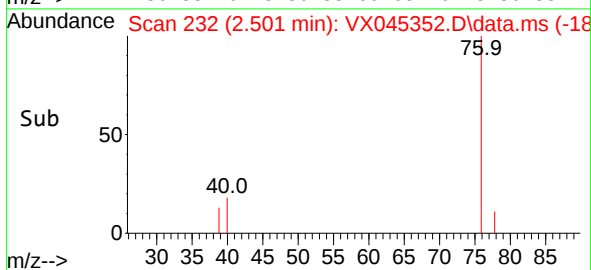
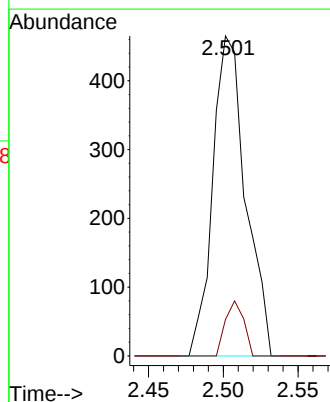
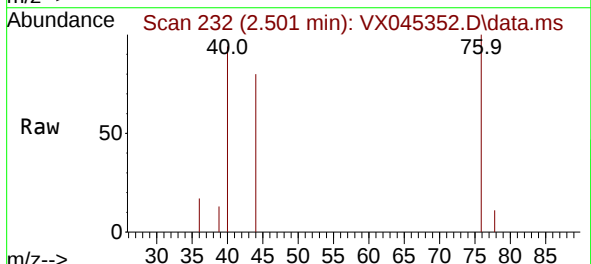
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

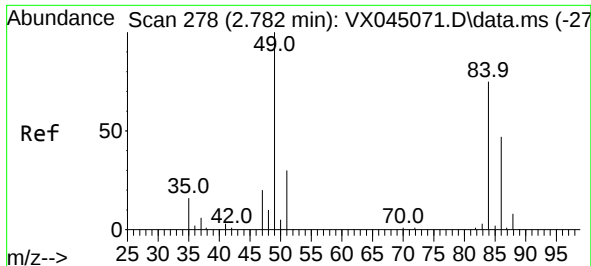
Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.4#



#17
Carbon Disulfide
Concen: 0.321 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 76 Resp: 711
Ion Ratio Lower Upper
76 100
78 11.4 6.6 9.8#





#20

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045352.D

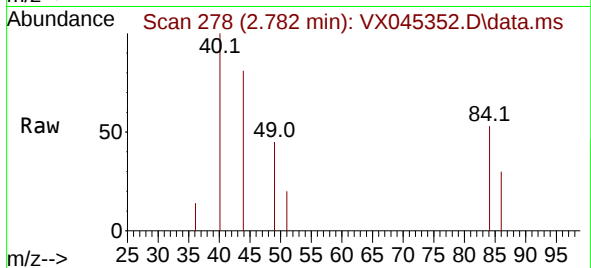
Acq: 20 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250310DL



Tgt Ion: 84 Resp: 281

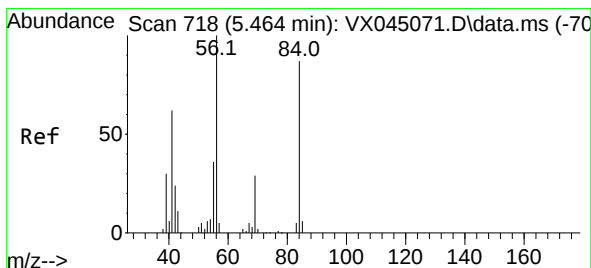
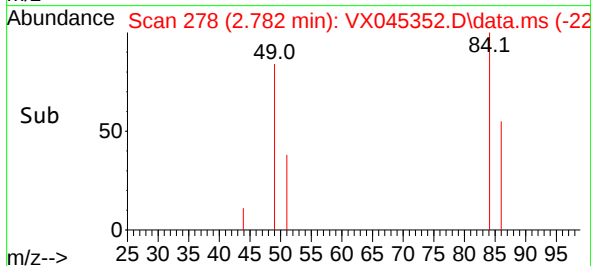
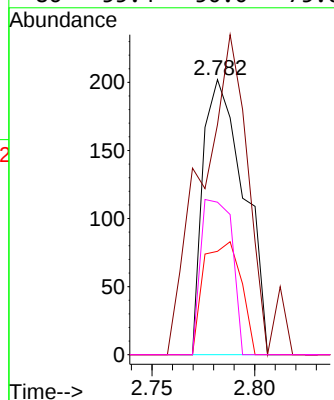
Ion Ratio Lower Upper

84 100

49 58.9 106.5 159.7#

51 37.6 32.1 48.1

86 55.4 50.0 75.0



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

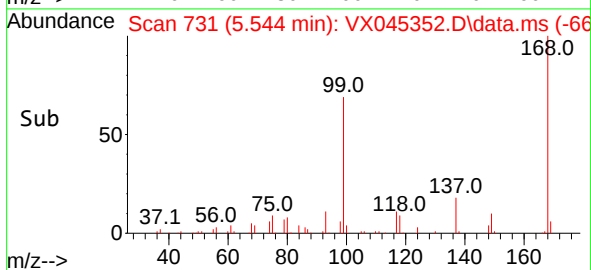
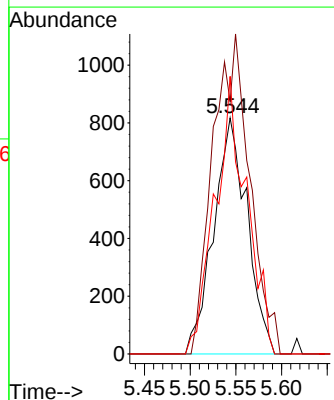
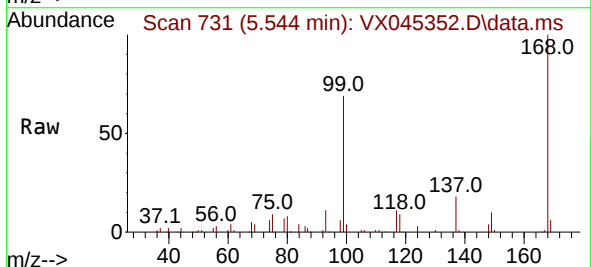
Tgt Ion: 56 Resp: 2083

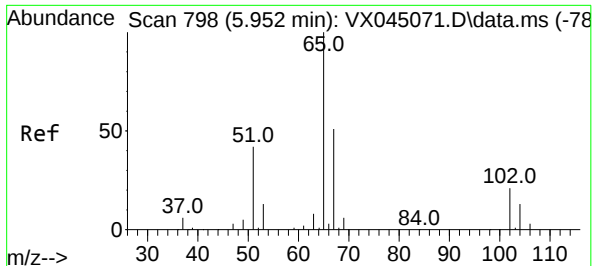
Ion Ratio Lower Upper

56 100

69 107.0 23.4 35.2#

84 117.6 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 57.301 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

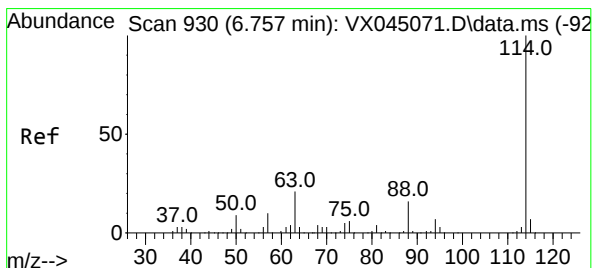
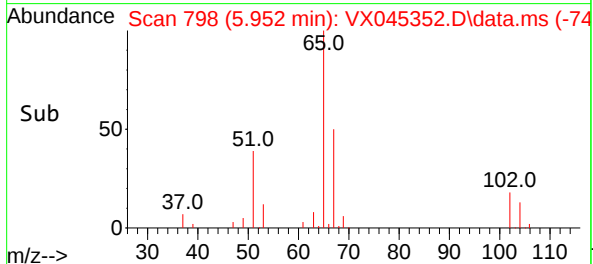
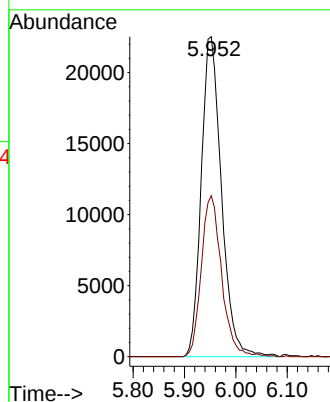
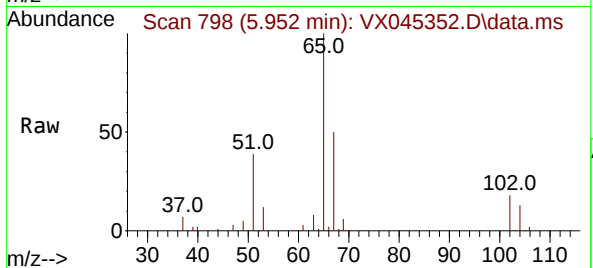
DUP03-20250310DL

Tgt Ion: 65 Resp: 61600

Ion Ratio Lower Upper

65 100

67 50.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

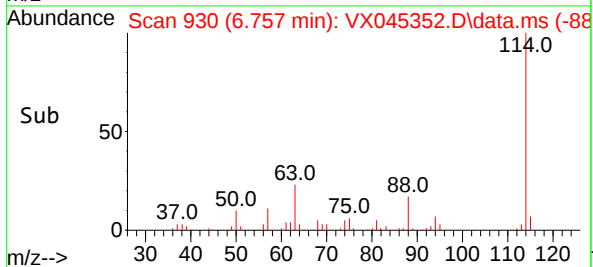
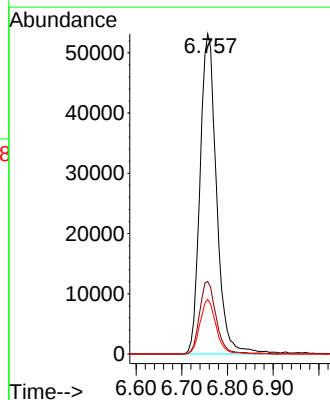
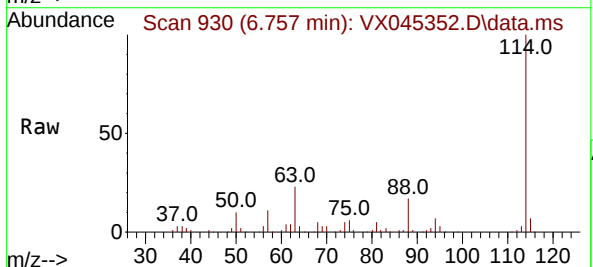
Tgt Ion: 114 Resp: 133155

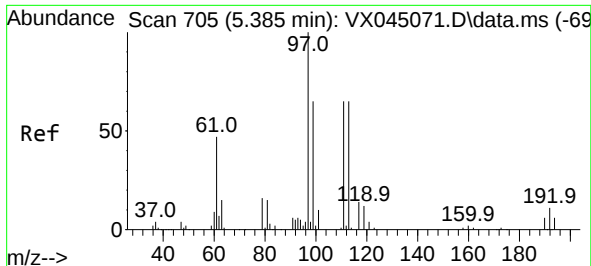
Ion Ratio Lower Upper

114 100

63 22.7 0.0 41.8

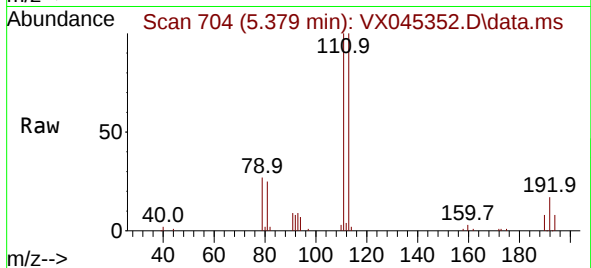
88 17.0 0.0 32.8



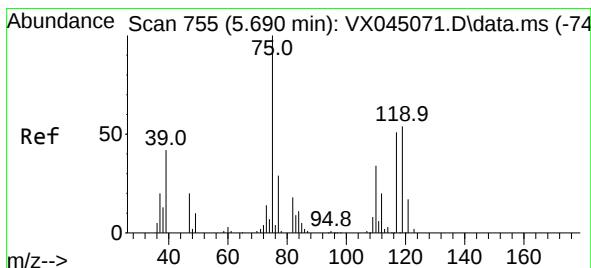
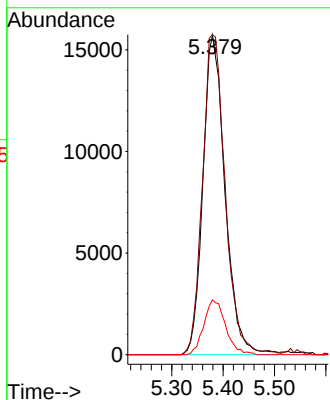
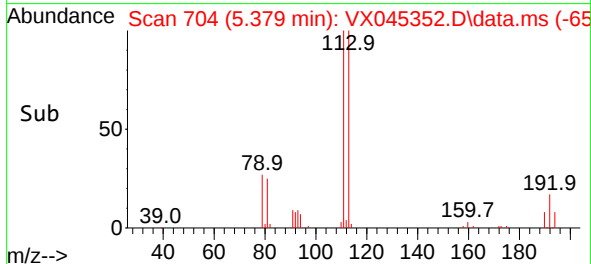


#35
Dibromofluoromethane
Concen: 52.627 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

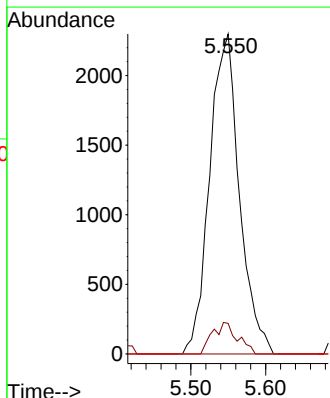
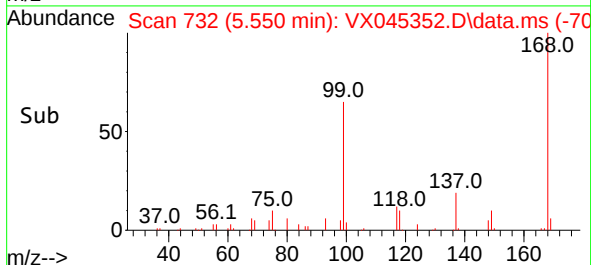
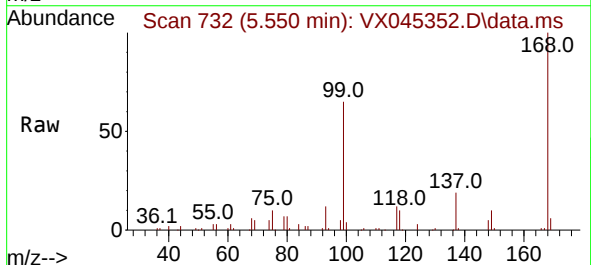


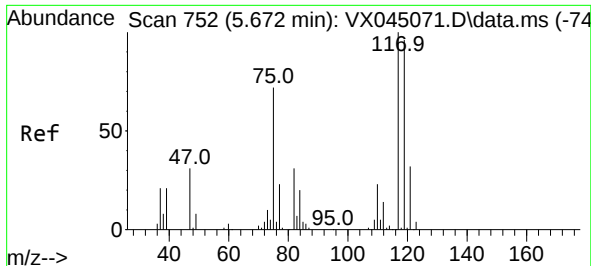
Tgt Ion:113 Resp: 46858
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 16.9 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.211 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 75 Resp: 6363
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.6#
77 0.0 24.5 36.7#

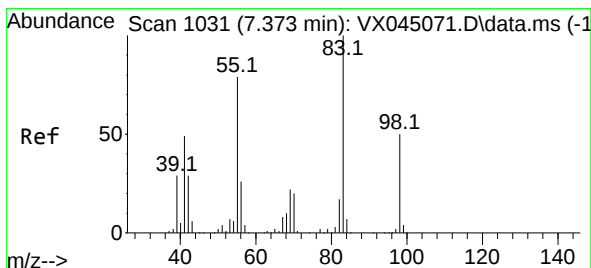
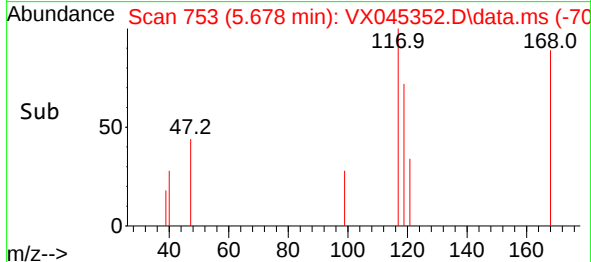
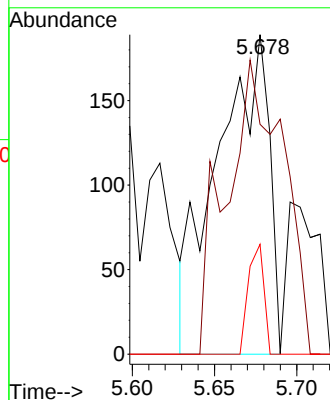
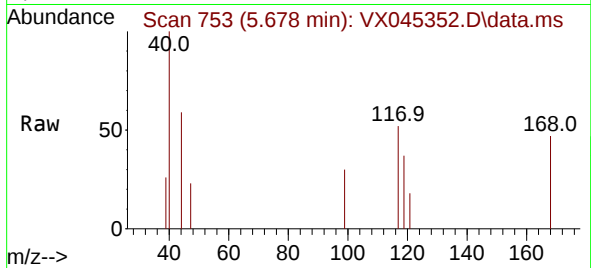




#38
Carbon Tetrachloride
Concen: 0.332 ug/l
RT: 5.678 min Scan# 711
Delta R.T. 0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

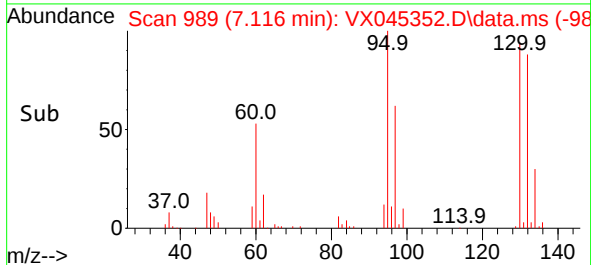
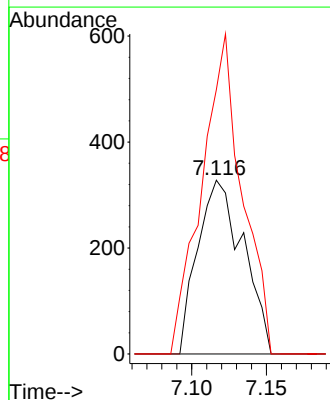
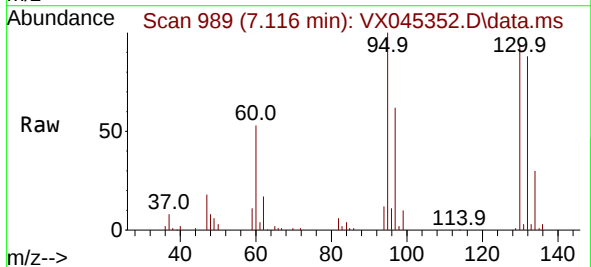
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL

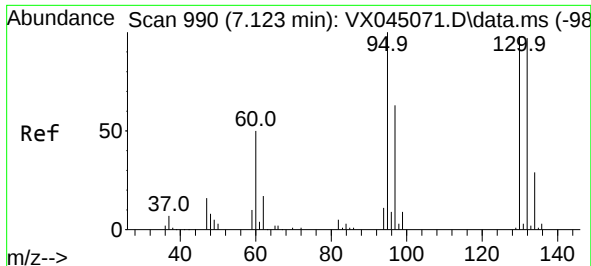
Tgt Ion:117 Resp: 412
Ion Ratio Lower Upper
117 100
119 72.0 76.7 115.1#
121 34.4 25.5 38.3



#39
Methylcyclohexane
Concen: 0.475 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion: 83 Resp: 695
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 152.1 39.7 59.5#

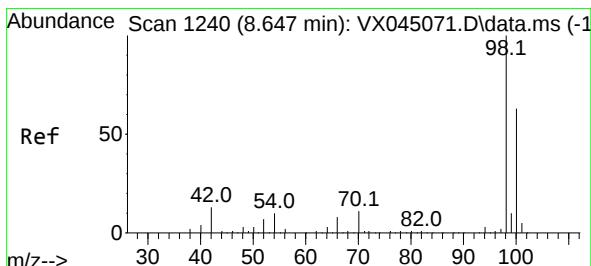
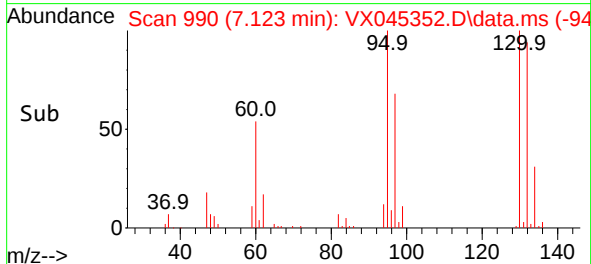
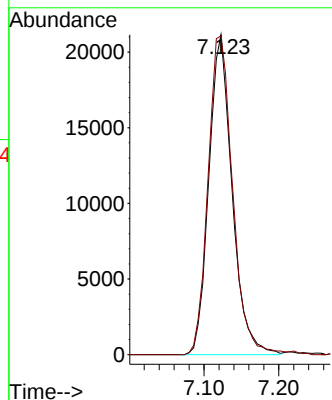
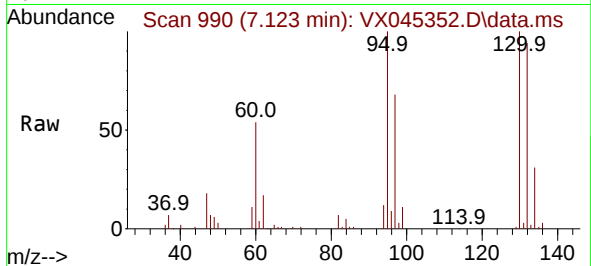




#44
 Trichloroethene
 Concen: 50.517 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. -0.000 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

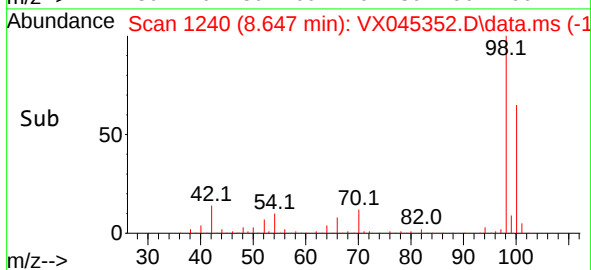
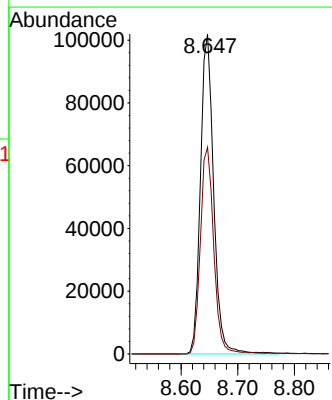
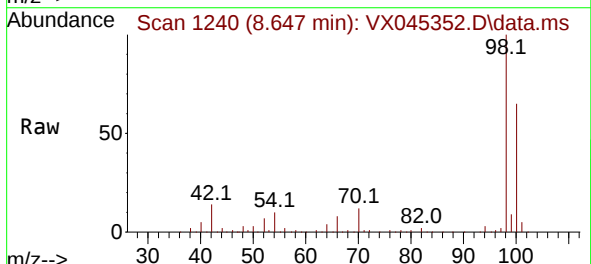
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250310DL

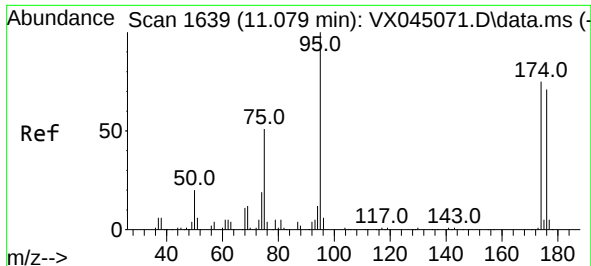
Tgt Ion:130 Resp: 45737
 Ion Ratio Lower Upper
 130 100
 95 99.6 0.0 205.0



#50
 Toluene-d8
 Concen: 50.978 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

Tgt Ion: 98 Resp: 164552
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 50.667 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20250310DL

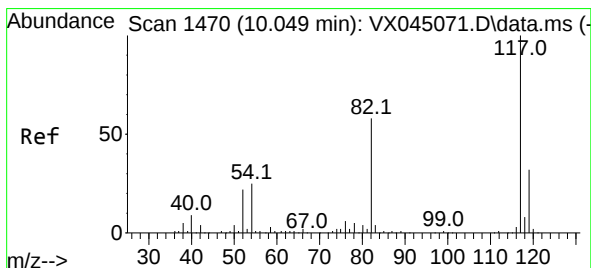
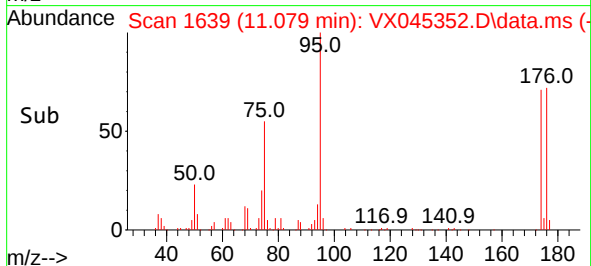
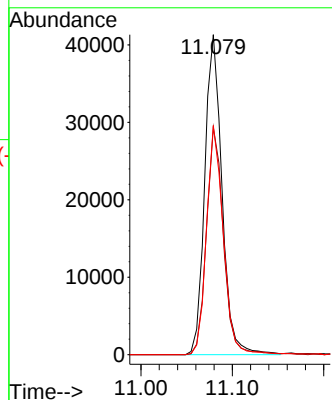
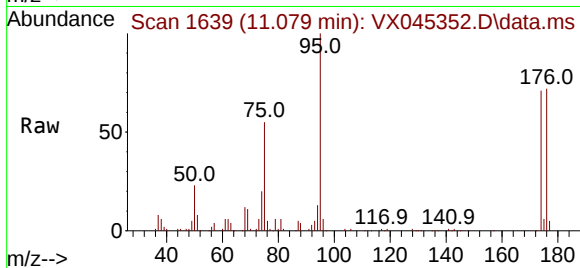
Tgt Ion: 95 Resp: 54195

Ion Ratio Lower Upper

95 100

174 70.1 0.0 148.2

176 69.8 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX045352.D

Acq: 20 Mar 2025 11:44

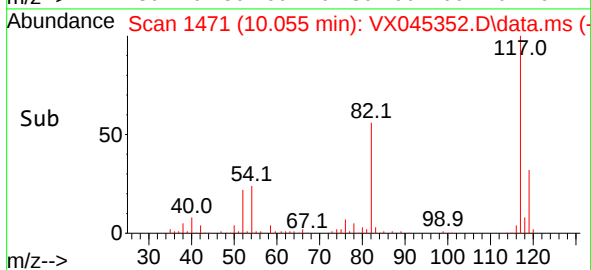
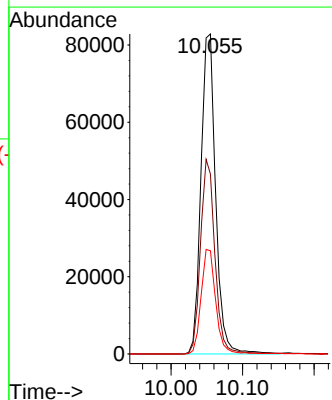
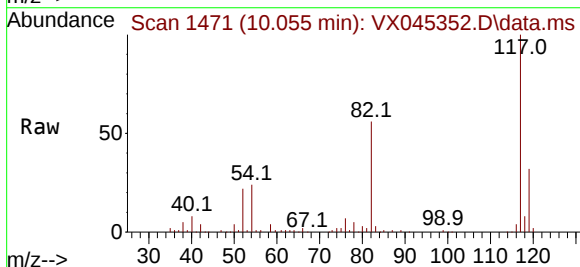
Tgt Ion: 117 Resp: 118349

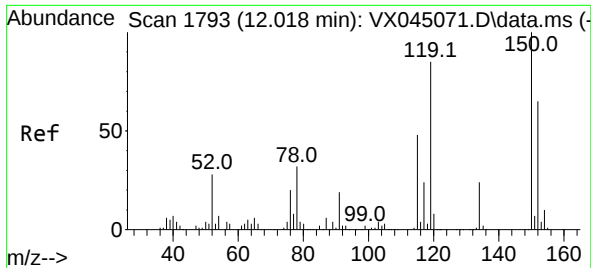
Ion Ratio Lower Upper

117 100

82 56.2 46.3 69.5

119 32.3 25.7 38.5

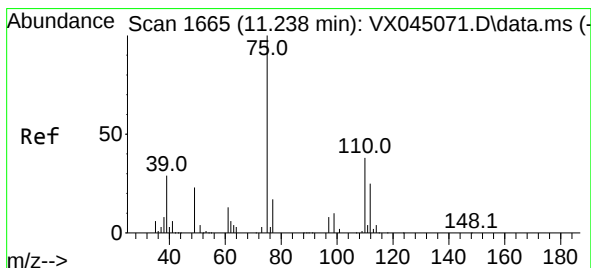
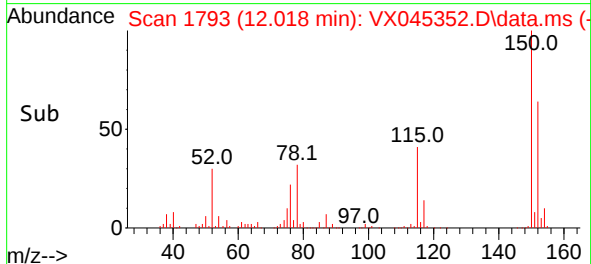
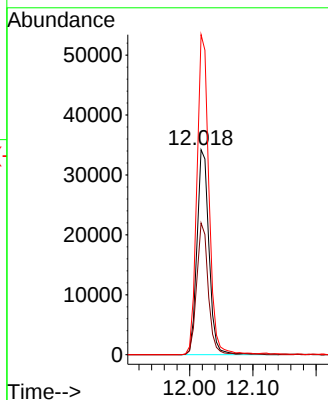
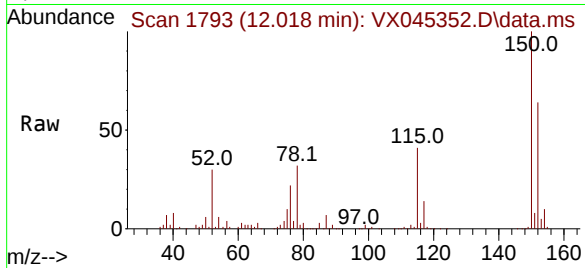




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

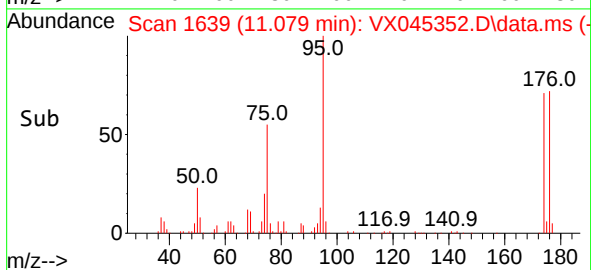
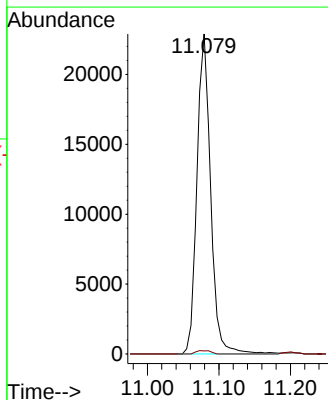
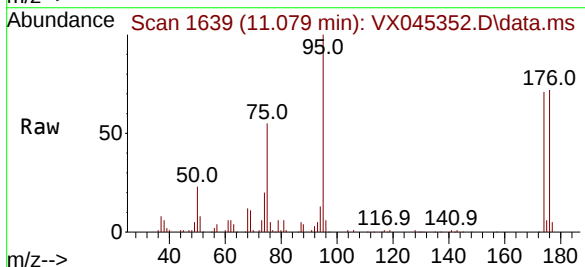
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250310DL

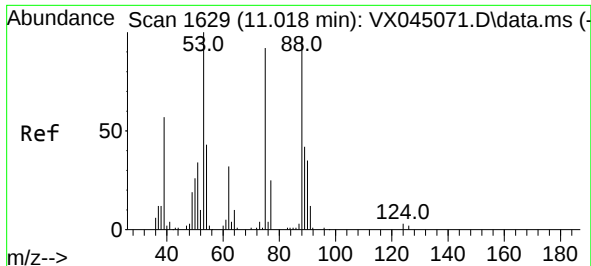
Tgt Ion:152 Resp: 45287
 Ion Ratio Lower Upper
 152 100
 115 61.6 44.2 132.6
 150 156.2 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.848 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

Tgt Ion: 75 Resp: 30407
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.7 62.1#

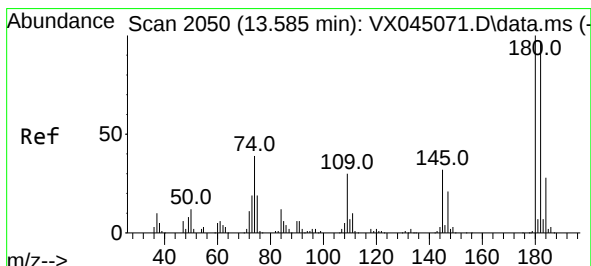
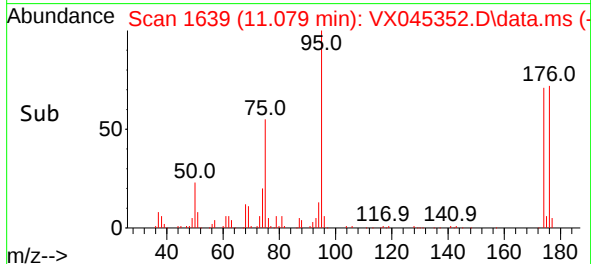
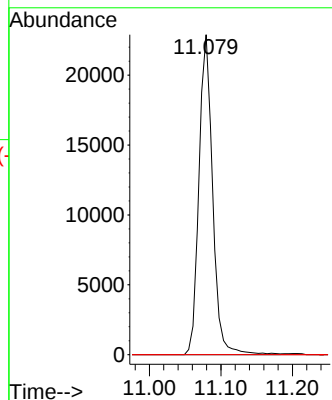
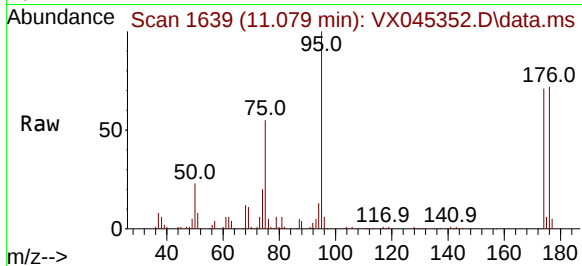




#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.722 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

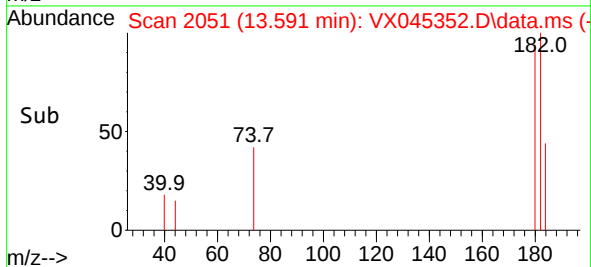
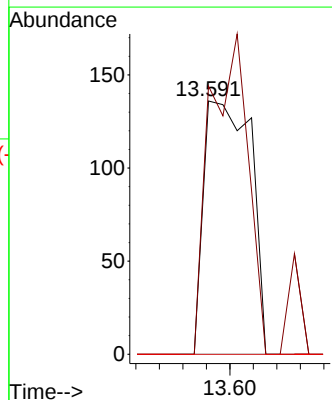
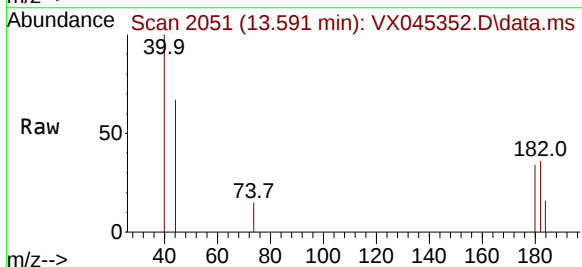
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20250310DL

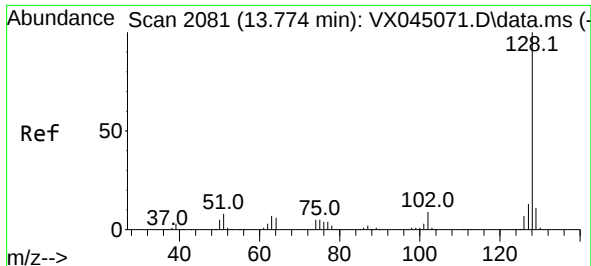
Tgt Ion: 75 Resp: 30407
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.222 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. 0.006 min
 Lab File: VX045352.D
 Acq: 20 Mar 2025 11:44

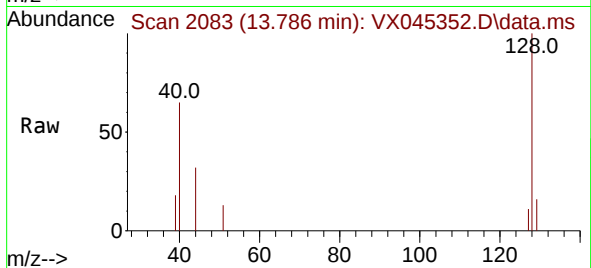
Tgt Ion:180 Resp: 189
 Ion Ratio Lower Upper
 180 100
 182 103.2 47.3 141.9
 145 0.0 16.3 48.9#



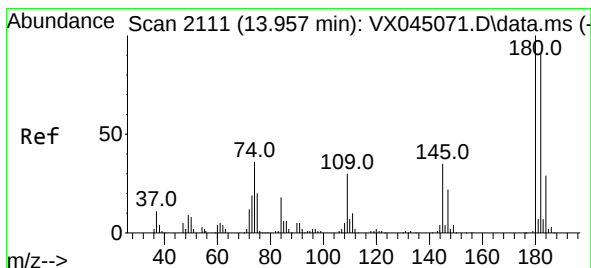
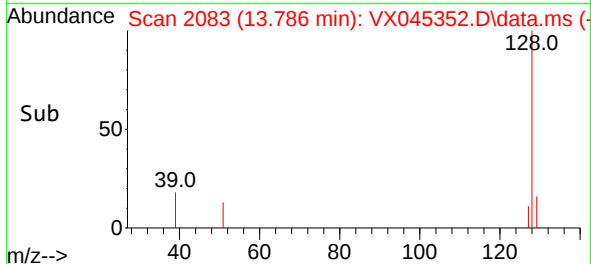
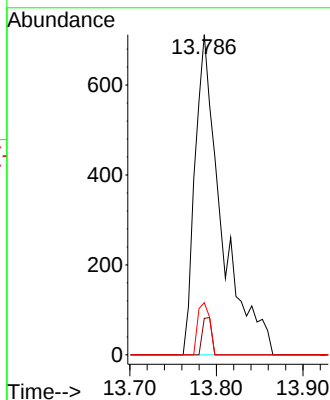


#95
Naphthalene
Concen: 0.465 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20250310DL



Tgt Ion:128 Resp: 1519
Ion Ratio Lower Upper
128 100
127 3.9 10.3 15.5#
129 7.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.289 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045352.D
Acq: 20 Mar 2025 11:44

Tgt Ion:180 Resp: 259
Ion Ratio Lower Upper
180 100
182 89.2 47.5 142.6
145 22.0 17.0 50.9

