

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032025\
 Data File : VX045356.D
 Acq On : 20 Mar 2025 13:17
 Operator : JC/MD
 Sample : Q1559-08RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20250310

Quant Time: Mar 21 01:47:09 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)

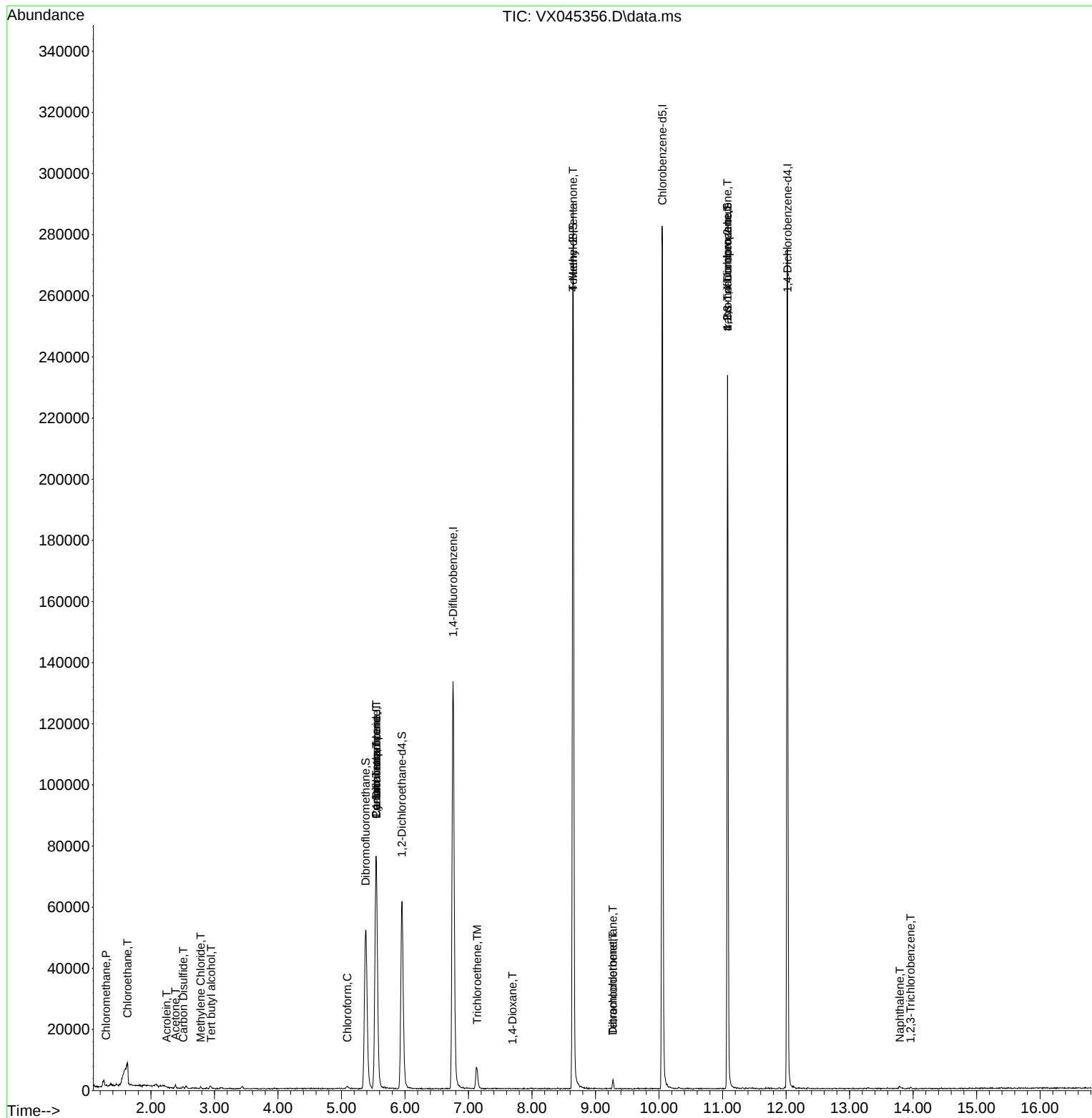
Internal Standards						
1) Pentafluorobenzene	5.549	168	67663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60070	55.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	5.379	113	47034	53.024	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	8.646	98	165862	51.577	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.160%			
62) 4-Bromofluorobenzene	11.079	95	58691	55.077	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.160%			
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	511	0.490	ug/l	97
6) Chloroethane	1.629	64	110	0.231	ug/l #	41
11) Tert butyl alcohol	2.946	59	323	1.584	ug/l #	73
13) Acrolein	2.245	56	48	0.204	ug/l #	15
16) Acetone	2.385	43	857	1.716	ug/l #	81
17) Carbon Disulfide	2.507	76	518	0.234	ug/l #	77
20) Methylene Chloride	2.782	84	274	0.277	ug/l #	90
30) Chloroform	5.092	83	1072	0.640	ug/l #	72
31) Cyclohexane	5.549	56	1945	1.328	ug/l #	25
36) 1,1-Dichloropropene	5.549	75	6260	5.146	ug/l #	49
38) Carbon Tetrachloride	5.549	117	7401	5.993	ug/l #	16
44) Trichloroethene	7.134	130	2970	3.293	ug/l	64
49) 1,4-Dioxane	7.689	88	23	0.938	ug/l #	23
51) 4-Methyl-2-Pentanone	8.646	43	905	0.581	ug/l #	1
60) Dibromochloromethane	9.274	129	400	0.412	ug/l #	11
64) Tetrachloroethene	9.274	164	390	0.500	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	33369	27.998	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33369	95.815	ug/l #	6
95) Naphthalene	13.792	128	1179	0.319	ug/l #	83
96) 1,2,3-Trichlorobenzene	13.963	180	222	0.219	ug/l #	74

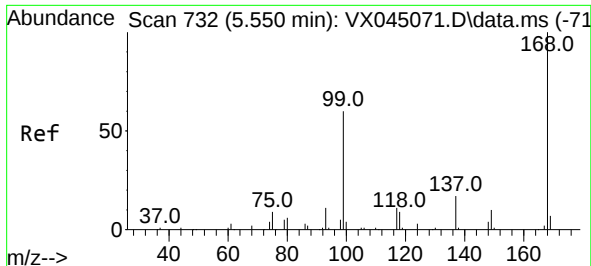
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

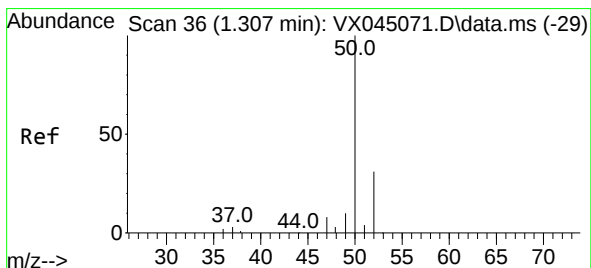
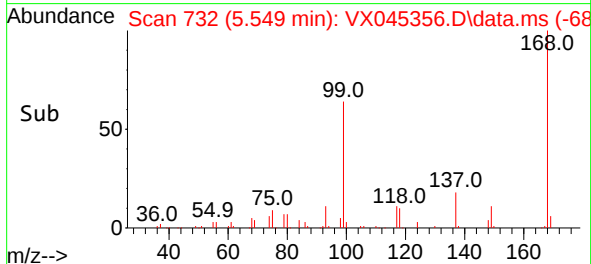
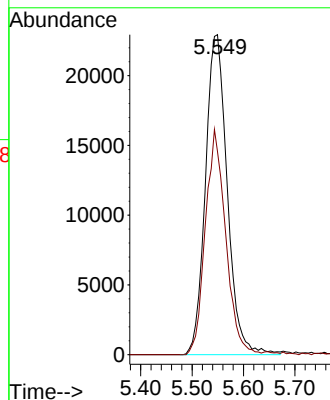
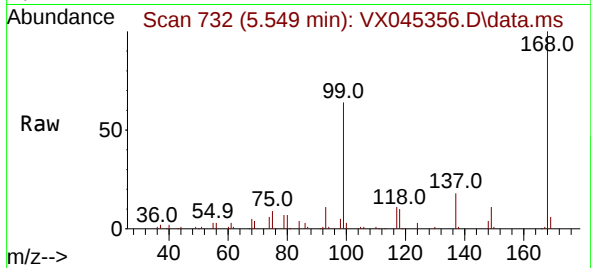




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

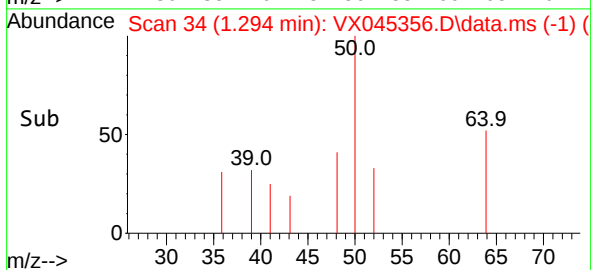
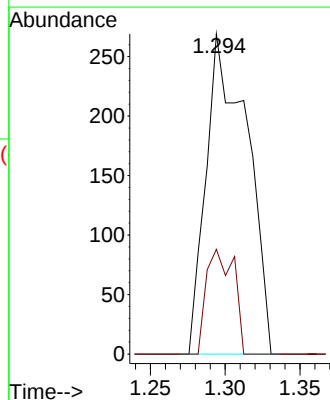
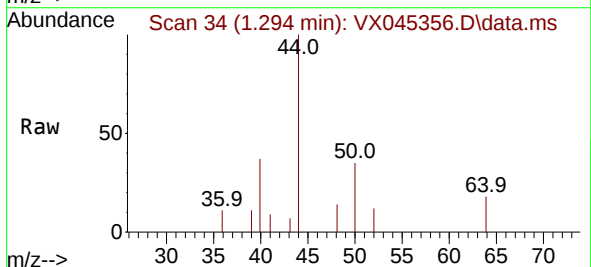
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

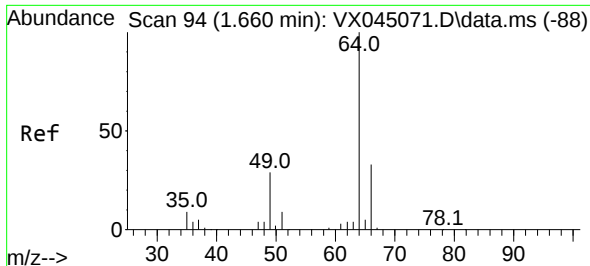
Tgt Ion:168 Resp: 67663
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#3
Chloromethane
Concen: 0.490 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.013 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 32.7 25.0 37.4

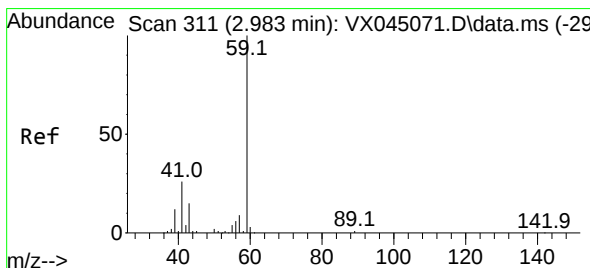
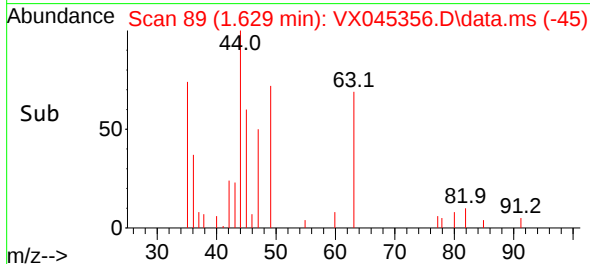
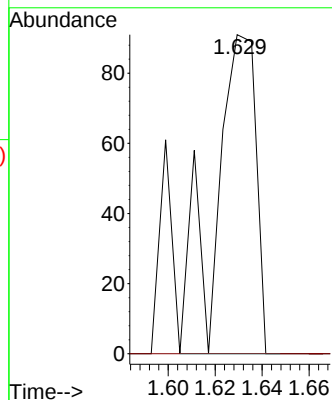
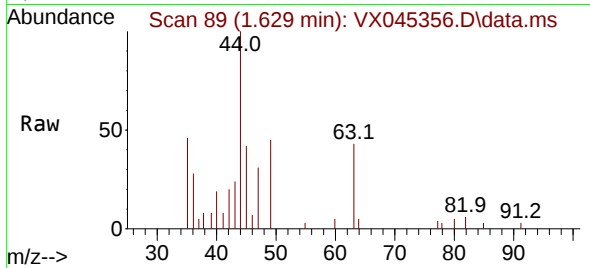




#6
Chloroethane
Concen: 0.231 ug/l
RT: 1.629 min Scan# 89
Delta R.T. -0.031 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

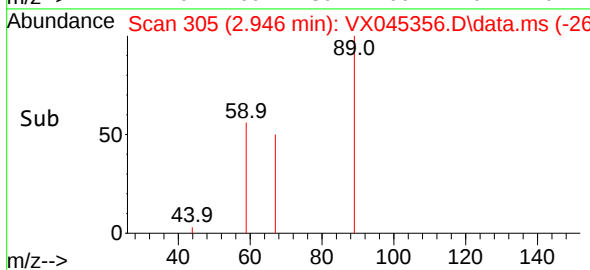
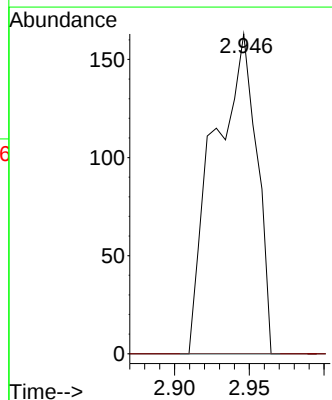
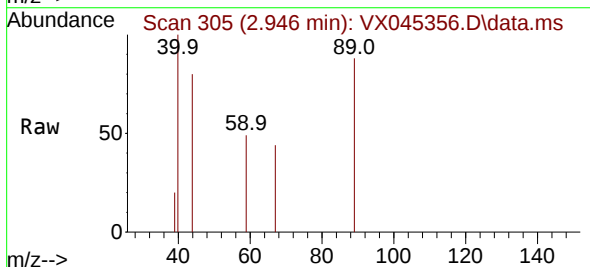
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

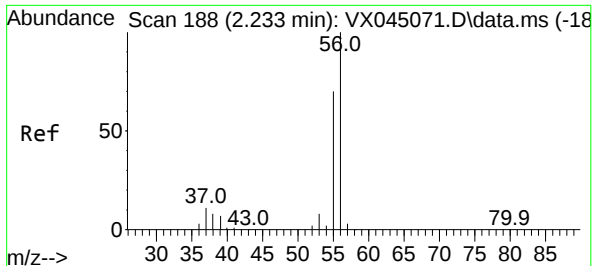
Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#



#11
Tert butyl alcohol
Concen: 1.584 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 59 Resp: 323
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

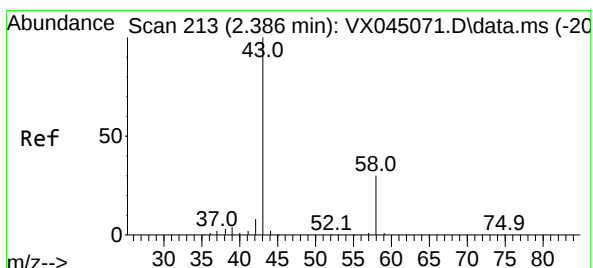
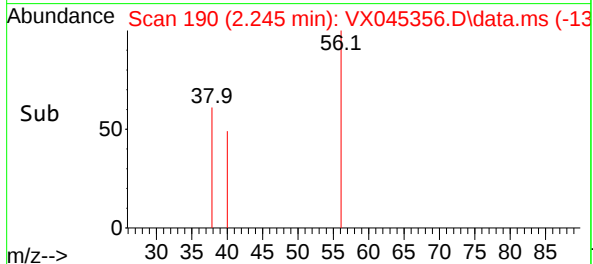
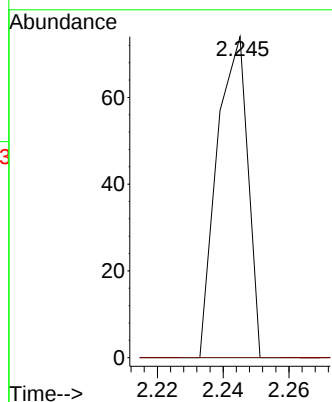
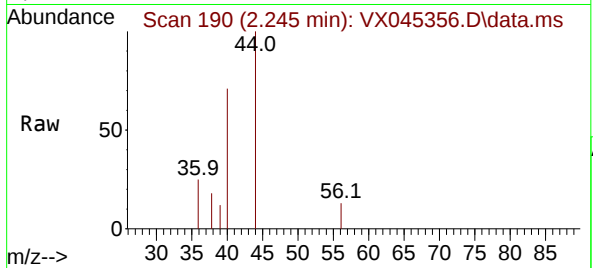




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

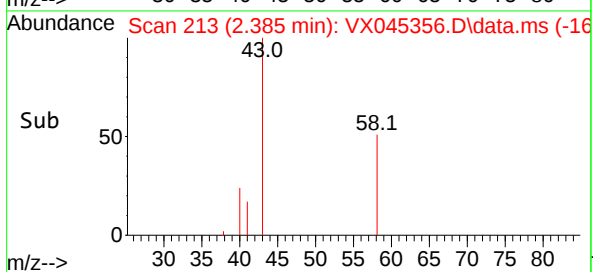
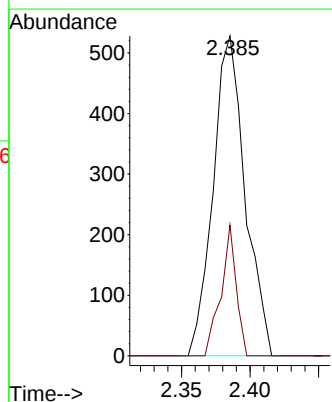
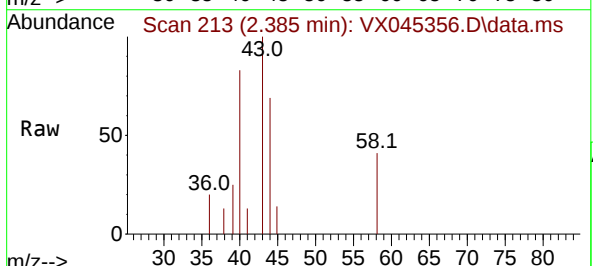
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

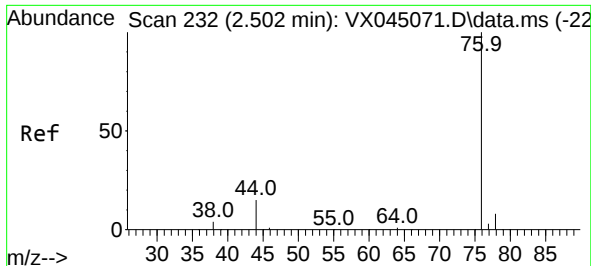
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 1.716 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 40.9 24.2 36.4#





#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 2.507 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045356.D

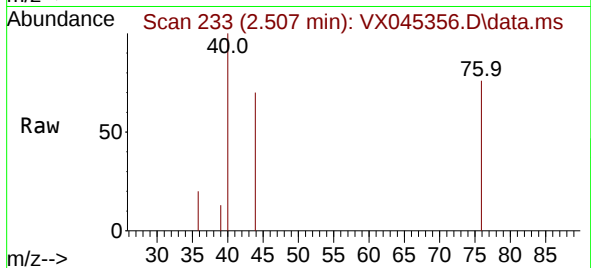
Acq: 20 Mar 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20250310

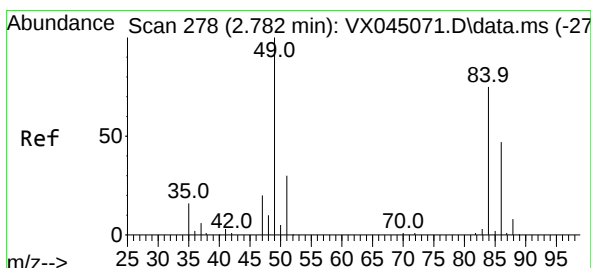
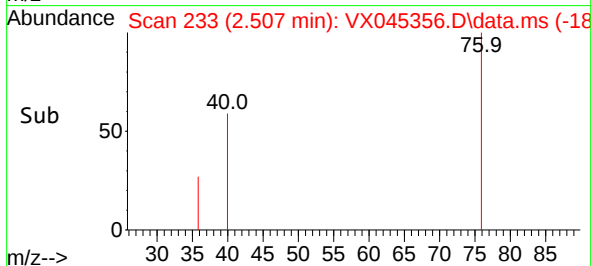
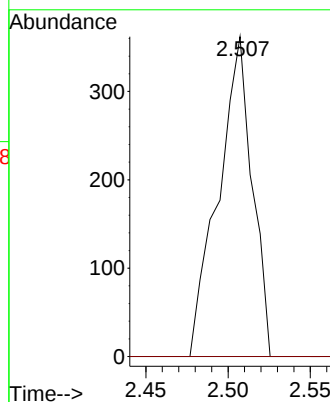


Tgt Ion: 76 Resp: 518

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#



#20

Methylene Chloride

Concen: 0.277 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

Tgt Ion: 84 Resp: 274

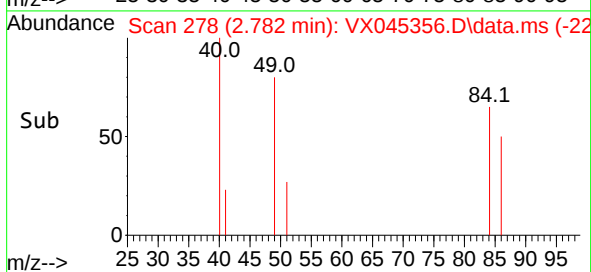
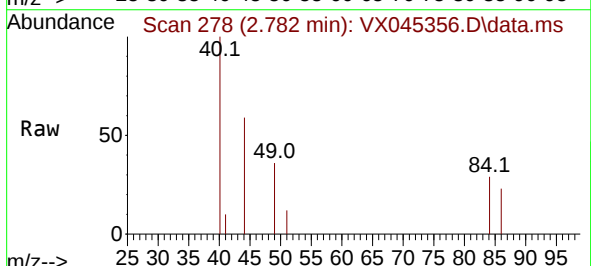
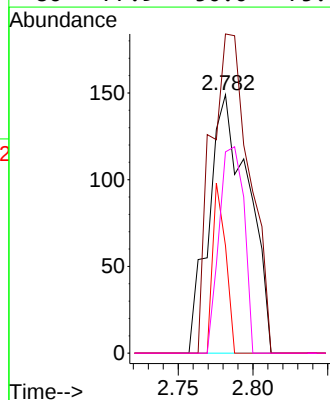
Ion Ratio Lower Upper

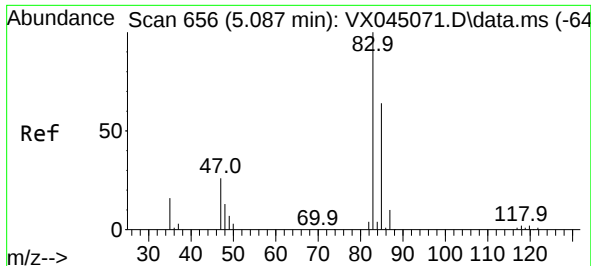
84 100

49 123.5 106.5 159.7

51 41.6 32.1 48.1

86 77.9 50.0 75.0#





#30

Chloroform

Concen: 0.640 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

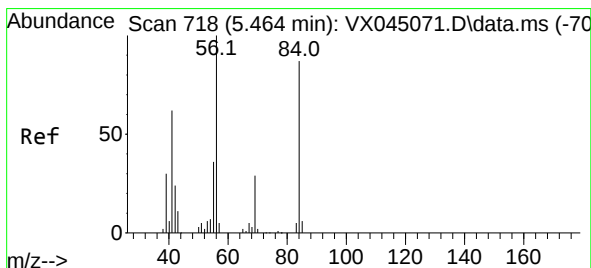
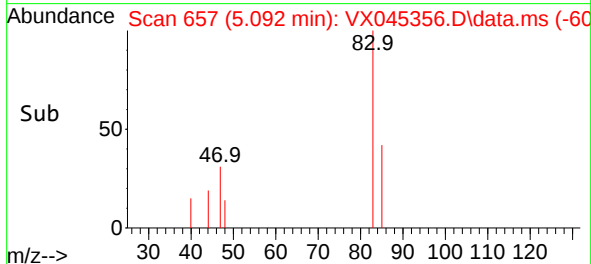
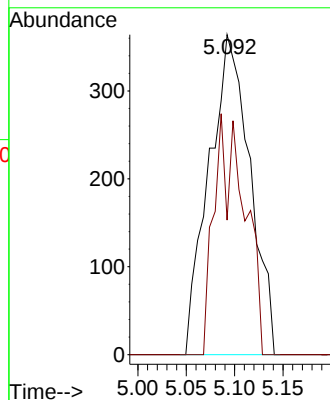
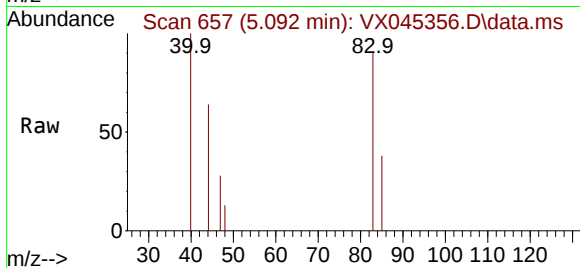
DUP02-20250310

Tgt Ion: 83 Resp: 1072

Ion Ratio Lower Upper

83 100

85 42.0 51.4 77.2#



#31

Cyclohexane

Concen: 1.328 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

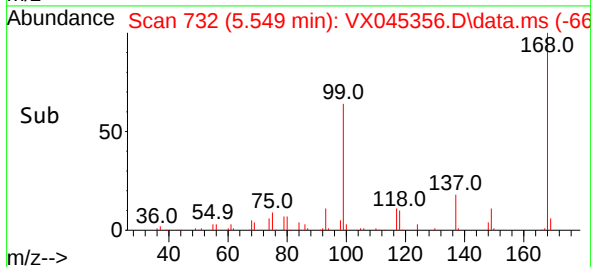
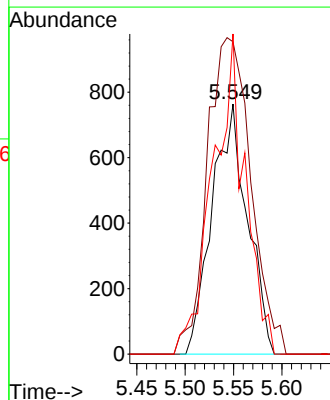
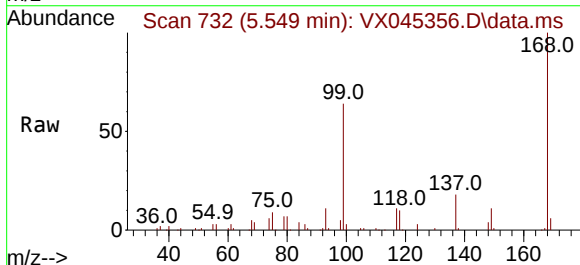
Tgt Ion: 56 Resp: 1945

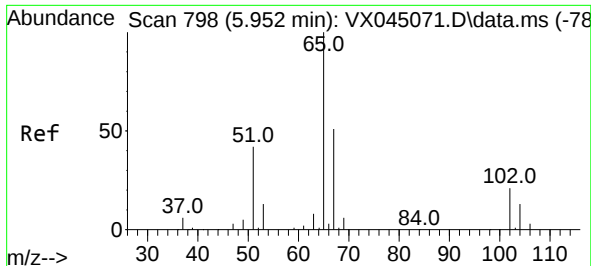
Ion Ratio Lower Upper

56 100

69 117.4 23.4 35.2#

84 128.0 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 55.813 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

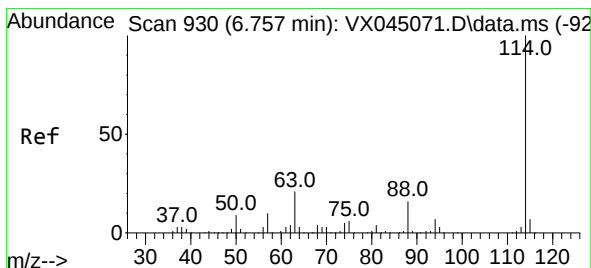
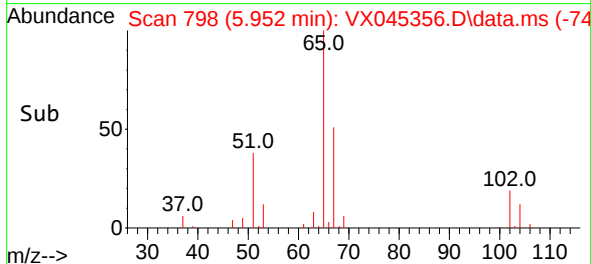
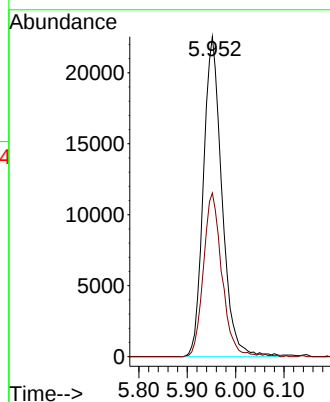
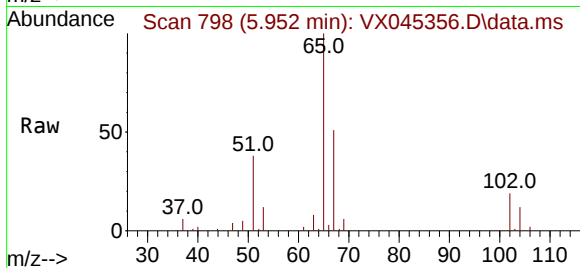
DUP02-20250310

Tgt Ion: 65 Resp: 60070

Ion Ratio Lower Upper

65 100

67 50.8 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: VX045356.D

Acq: 20 Mar 2025 13:17

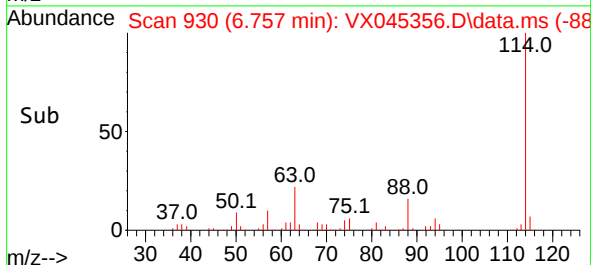
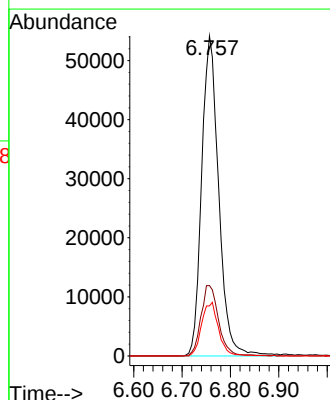
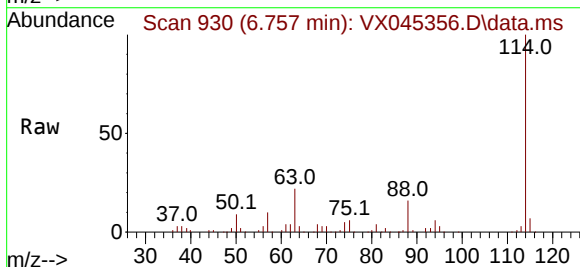
Tgt Ion: 114 Resp: 132656

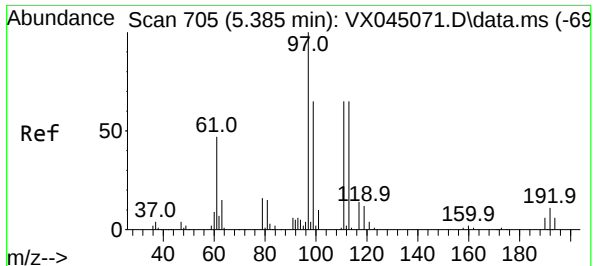
Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.8

88 15.7 0.0 32.8

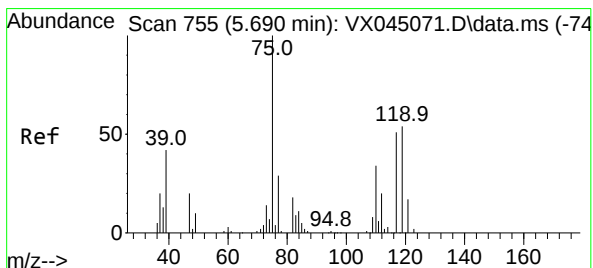
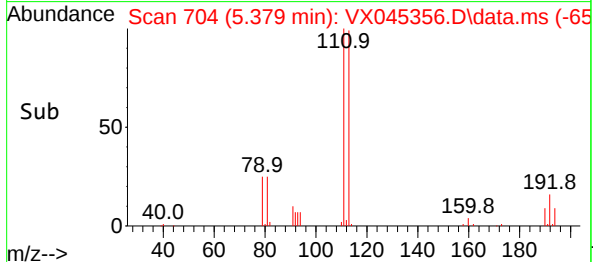
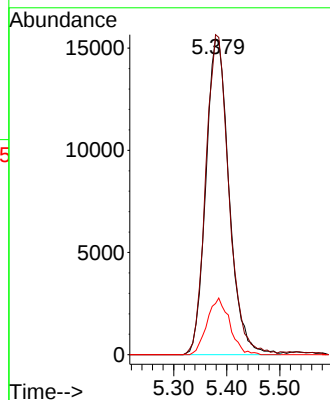
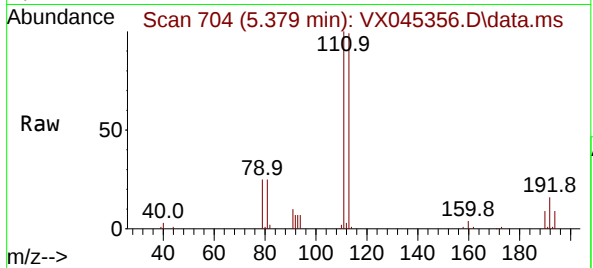




#35
Dibromofluoromethane
Concen: 53.024 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.007 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

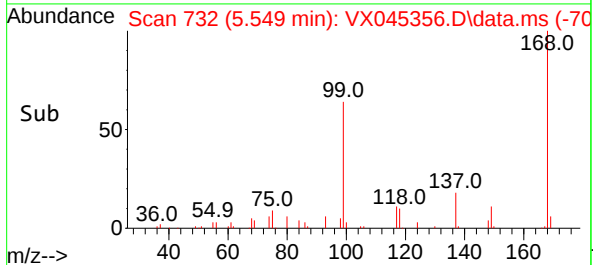
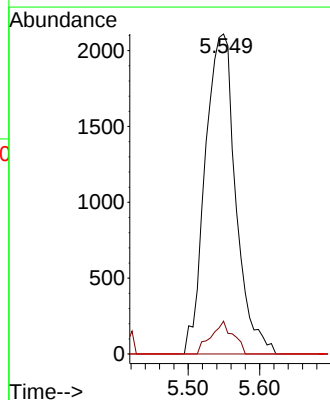
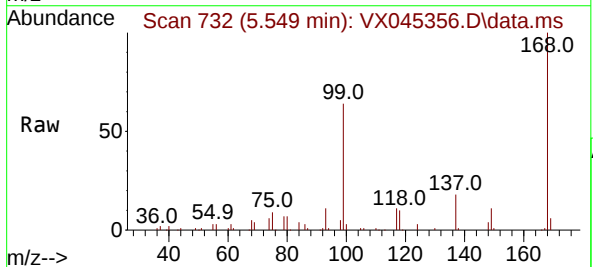
Instrument :
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DUP02-20250310

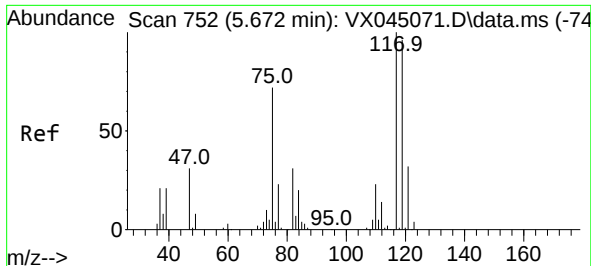
Tgt Ion:113 Resp: 47034
Ion Ratio Lower Upper
113 100
111 100.7 81.8 122.6
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.146 ug/l
RT: 5.549 min Scan# 732
Delta R.T. -0.141 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

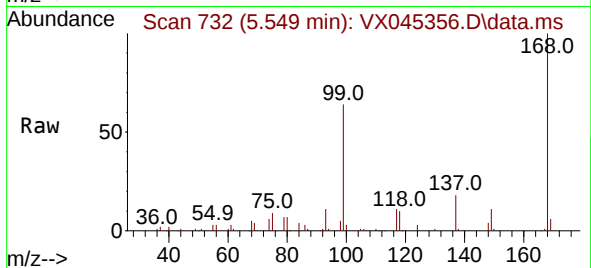
Tgt Ion: 75 Resp: 6260
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.6#
77 0.0 24.5 36.7#



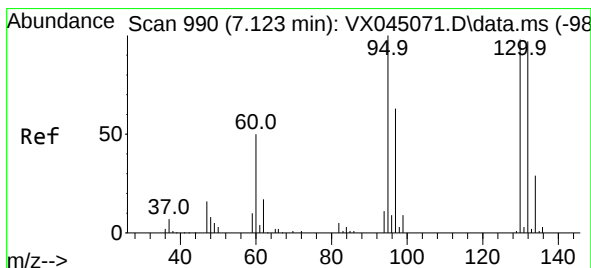
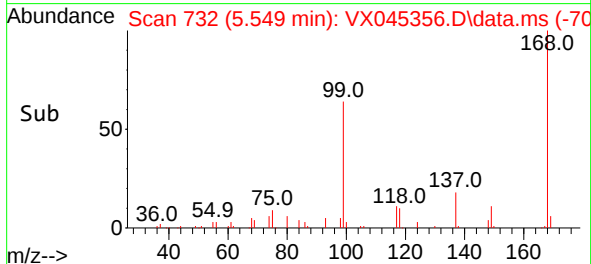
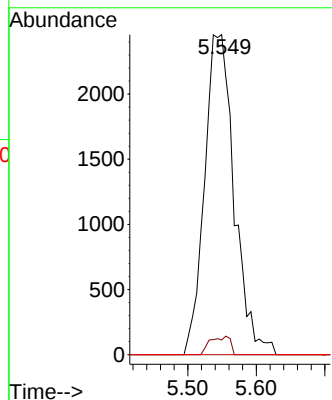


#38
Carbon Tetrachloride
Concen: 5.993 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

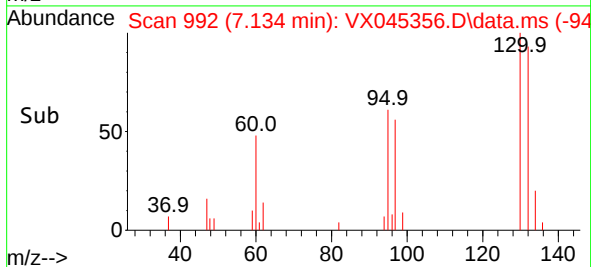
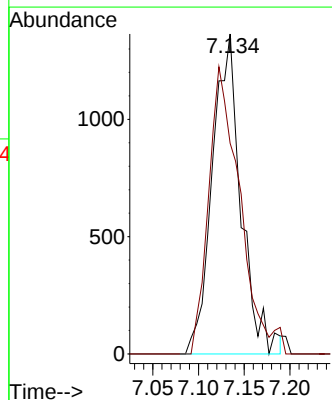
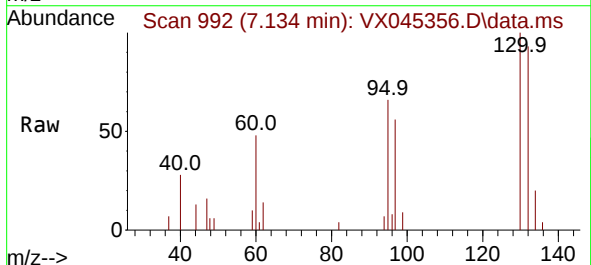


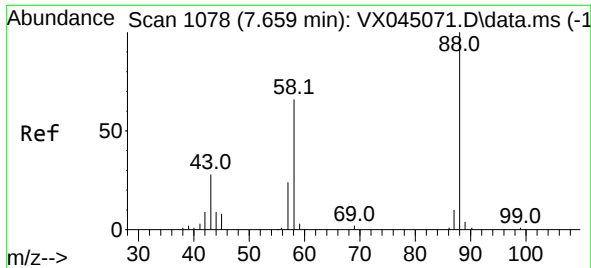
Tgt Ion:117 Resp: 7401
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 25.5 38.3#



#44
Trichloroethene
Concen: 3.293 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion:130 Resp: 2970
Ion Ratio Lower Upper
130 100
95 65.8 0.0 205.0

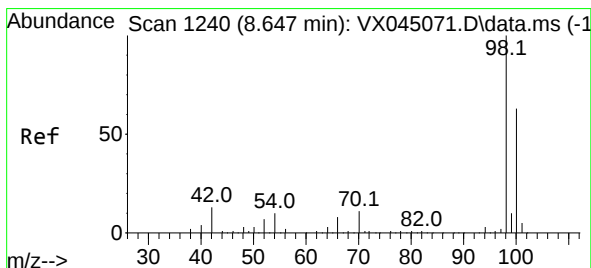
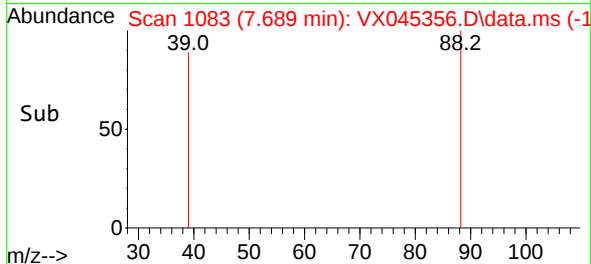
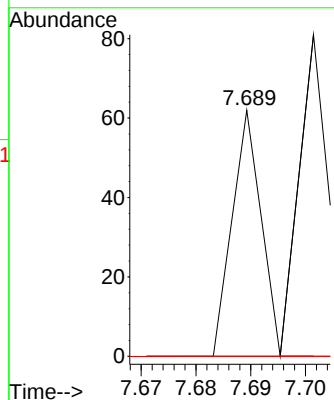
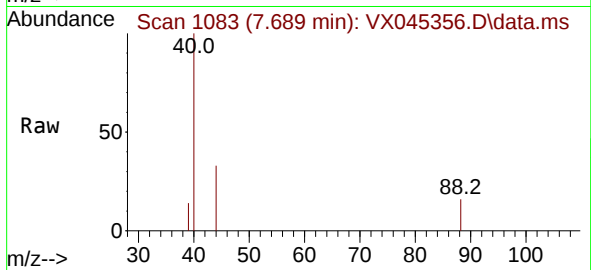




#49
1,4-Dioxane
Concen: 0.938 ug/l
RT: 7.689 min Scan# 1078
Delta R.T. 0.030 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

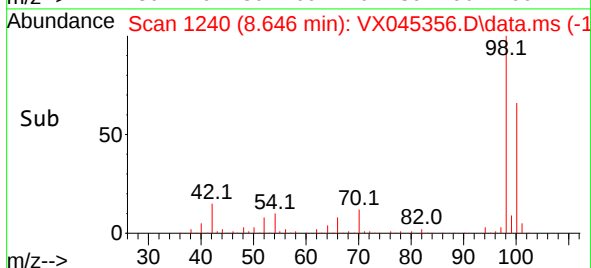
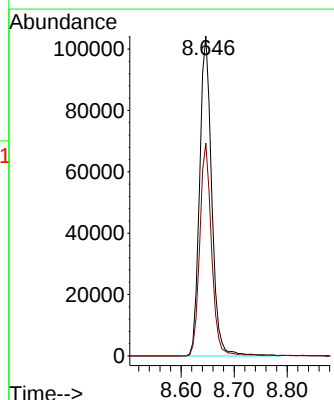
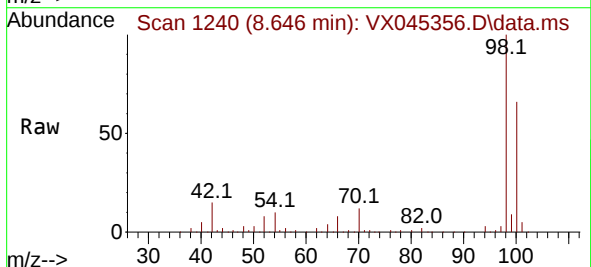
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

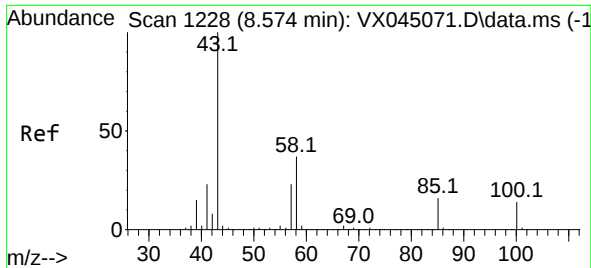
Tgt Ion: 88 Resp: 23
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 0.0 55.8 83.8#



#50
Toluene-d8
Concen: 51.577 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 98 Resp: 165862
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

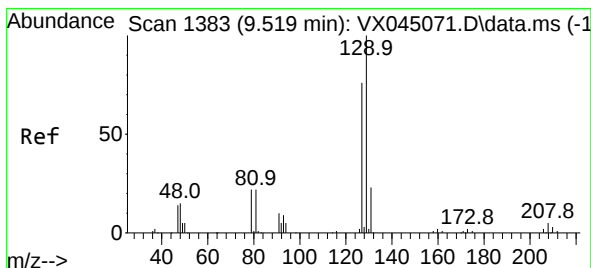
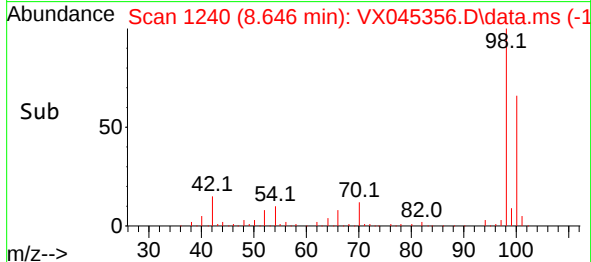
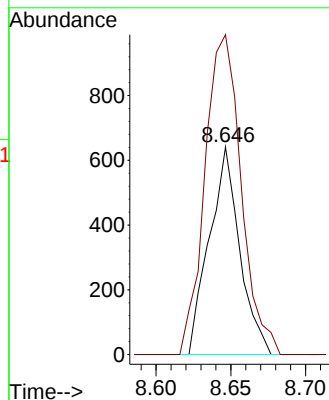
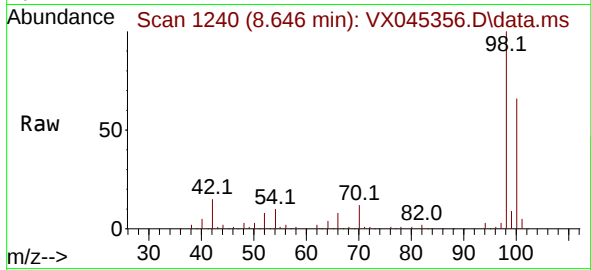




#51
4-Methyl-2-Pentanone
Concen: 0.581 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

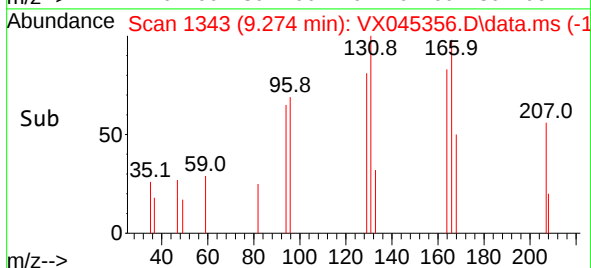
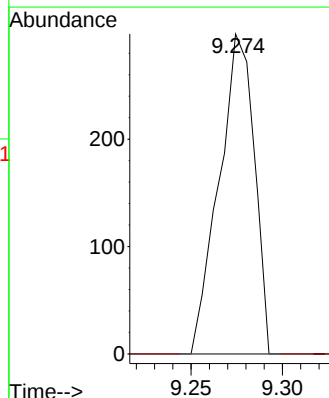
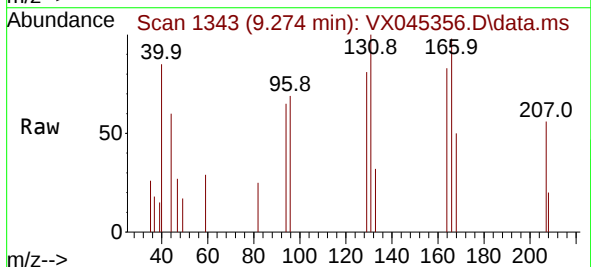
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

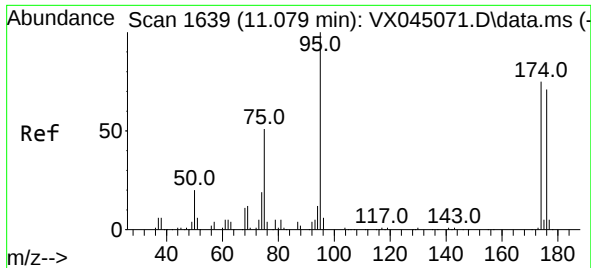
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 184.2 29.2 43.8#



#60
Dibromochloromethane
Concen: 0.412 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 129 Resp: 400
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

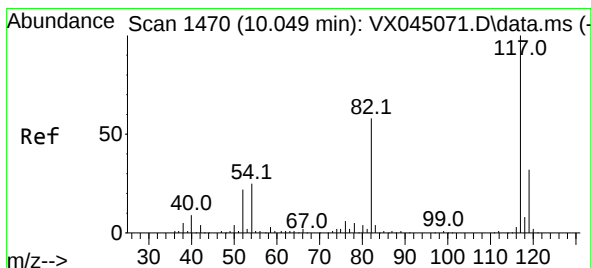
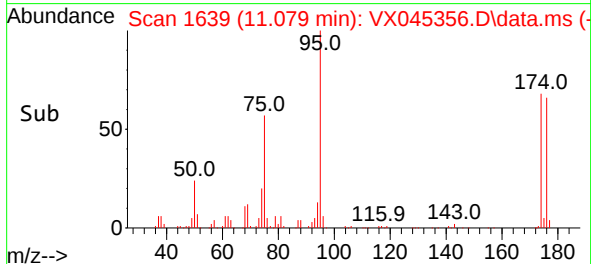
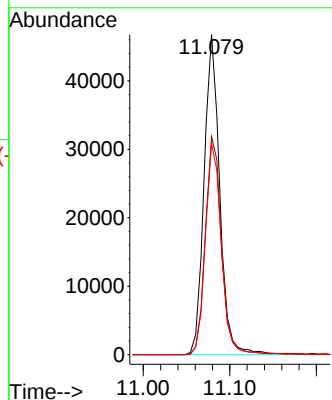
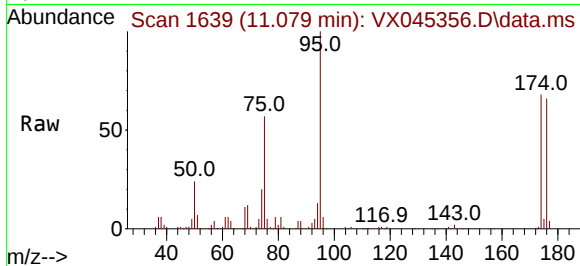




#62
4-Bromofluorobenzene
Concen: 55.077 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

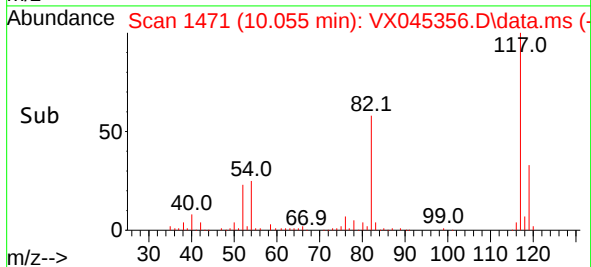
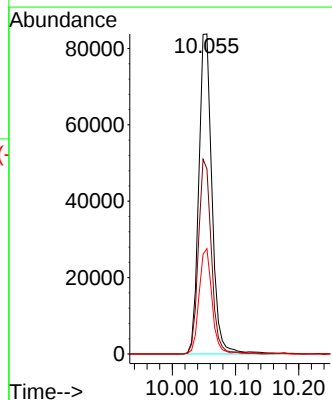
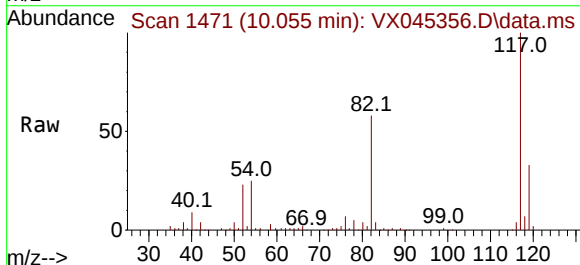
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

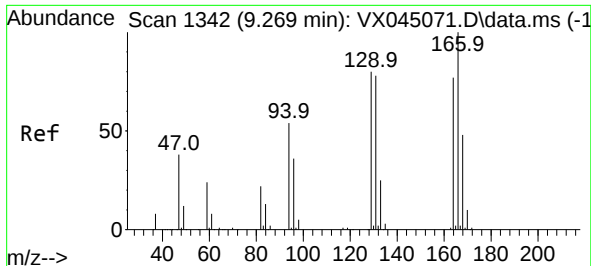
Tgt Ion: 95 Resp: 58691
Ion Ratio Lower Upper
95 100
174 69.9 0.0 148.2
176 67.8 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

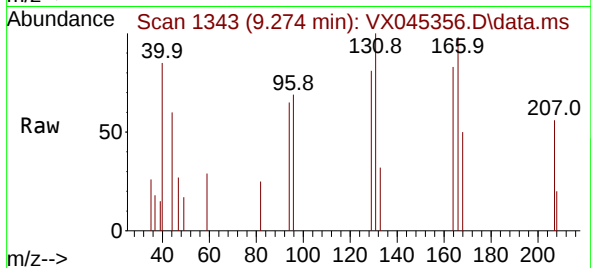
Tgt Ion: 117 Resp: 121785
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 32.9 25.7 38.5



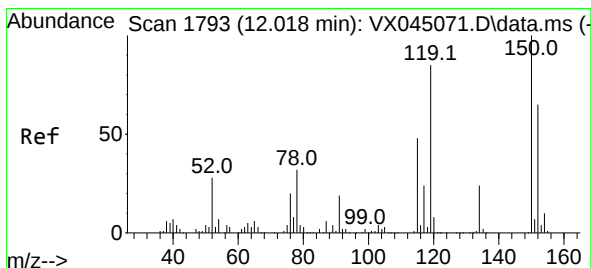
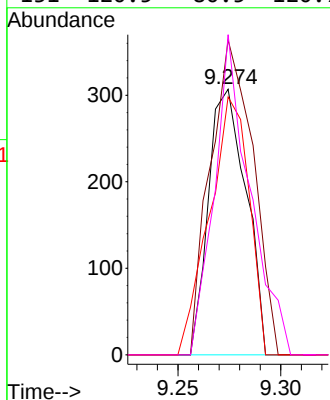
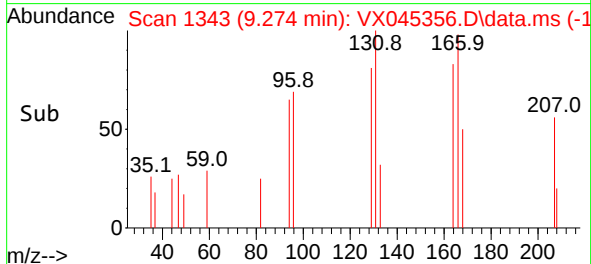


#64
Tetrachloroethene
Concen: 0.500 ug/l
RT: 9.274 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

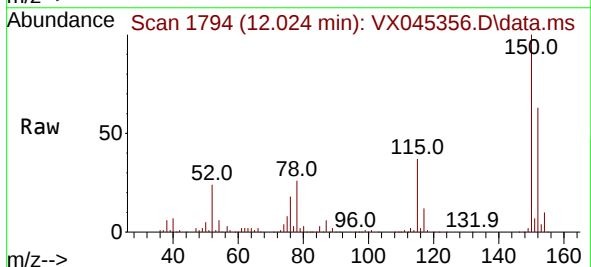
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310



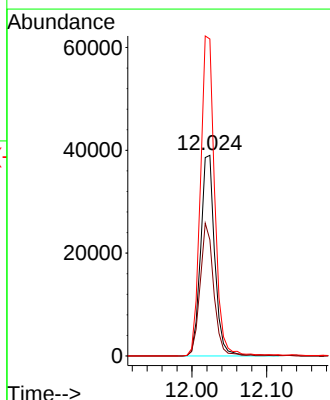
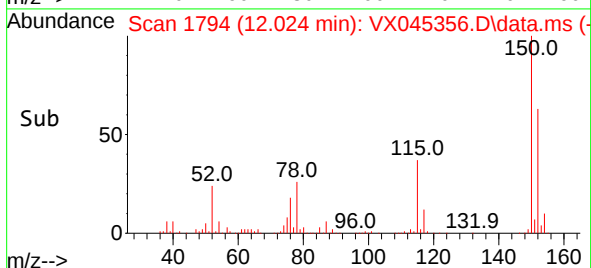
Tgt Ion:164 Resp: 390
Ion Ratio Lower Upper
164 100
166 118.6 103.6 155.4
129 97.1 82.7 124.1
131 120.5 80.5 120.7

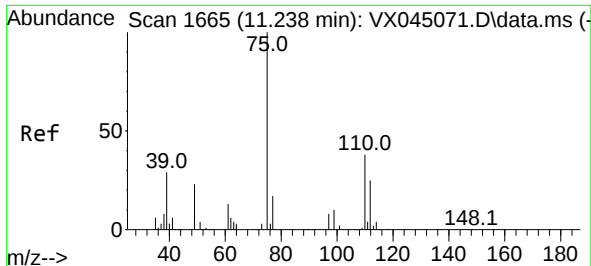


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17



Tgt Ion:152 Resp: 51206
Ion Ratio Lower Upper
152 100
115 63.8 44.2 132.6
150 160.5 0.0 349.0

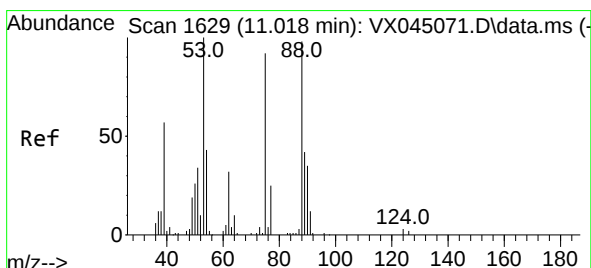
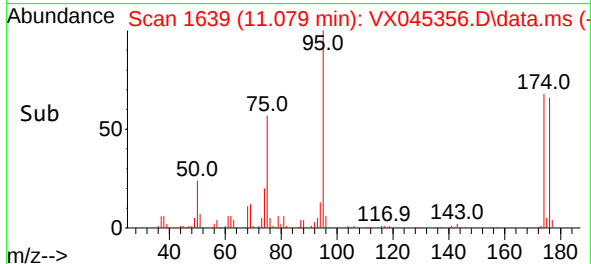
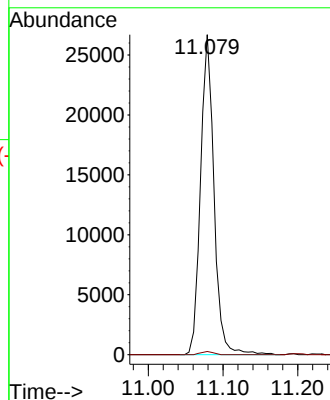
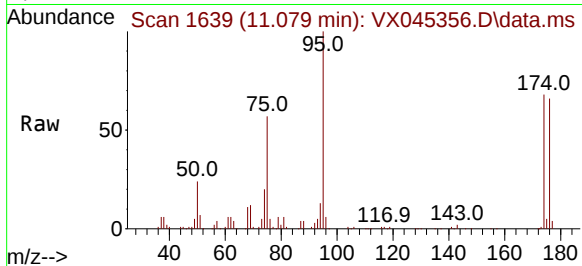




#76
1,2,3-Trichloropropane
Concen: 27.998 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

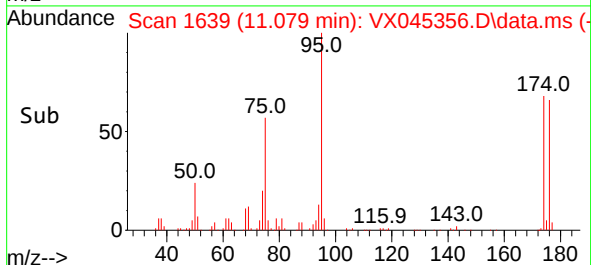
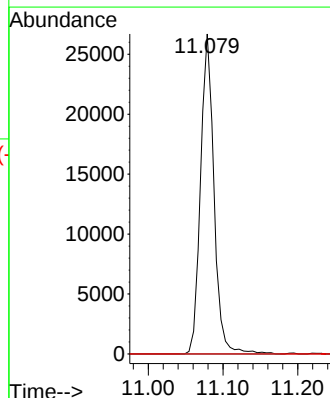
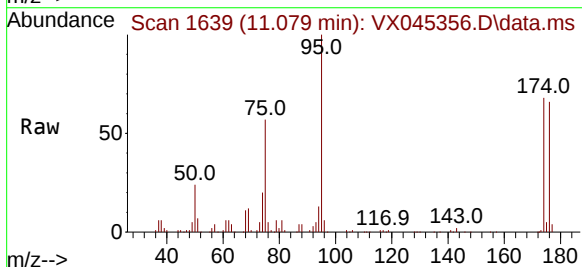
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20250310

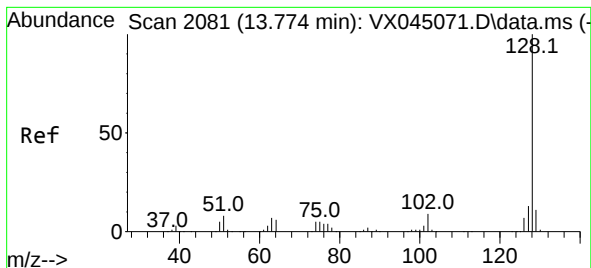
Tgt Ion: 75 Resp: 33369
Ion Ratio Lower Upper
75 100
77 0.9 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.815 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045356.D
Acq: 20 Mar 2025 13:17

Tgt Ion: 75 Resp: 33369
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#





#95

Naphthalene

Concen: 0.319 ug/l

RT: 13.792 min Scan# 2081

Delta R.T. 0.018 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20250310

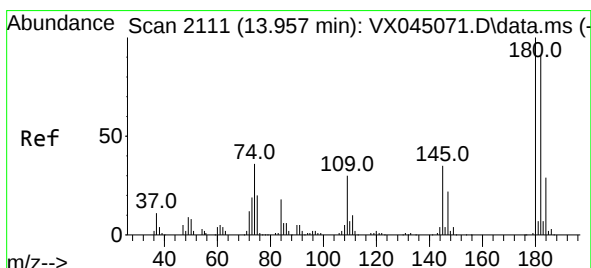
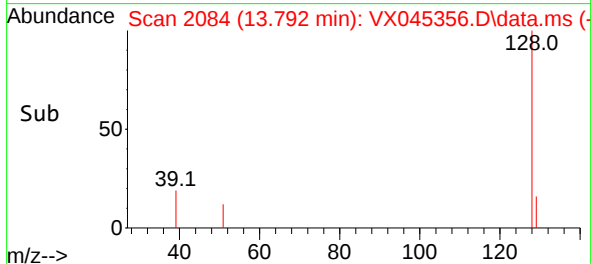
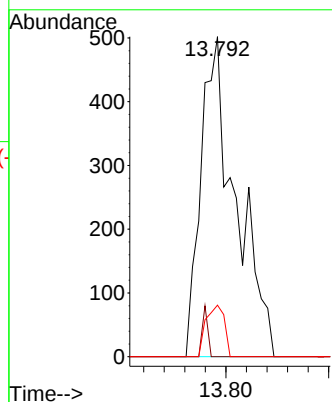
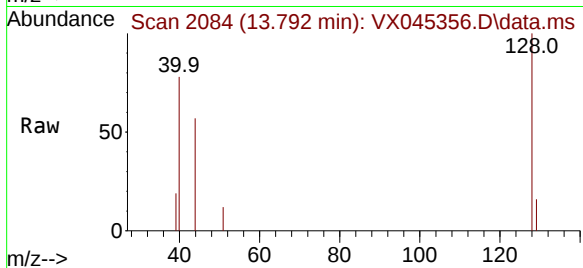
Tgt Ion:128 Resp: 1179

Ion Ratio Lower Upper

128 100

127 2.5 10.3 15.5#

129 8.5 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.219 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX045356.D

Acq: 20 Mar 2025 13:17

Tgt Ion:180 Resp: 222

Ion Ratio Lower Upper

180 100

182 108.6 47.5 142.6

145 0.0 17.0 50.9#

