

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032525\
 Data File : VX045437.D
 Acq On : 25 Mar 2025 14:03
 Operator : JC/MD
 Sample : Q1608-17DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D5-20250318DL

Quant Time: Mar 26 01:38:07 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)

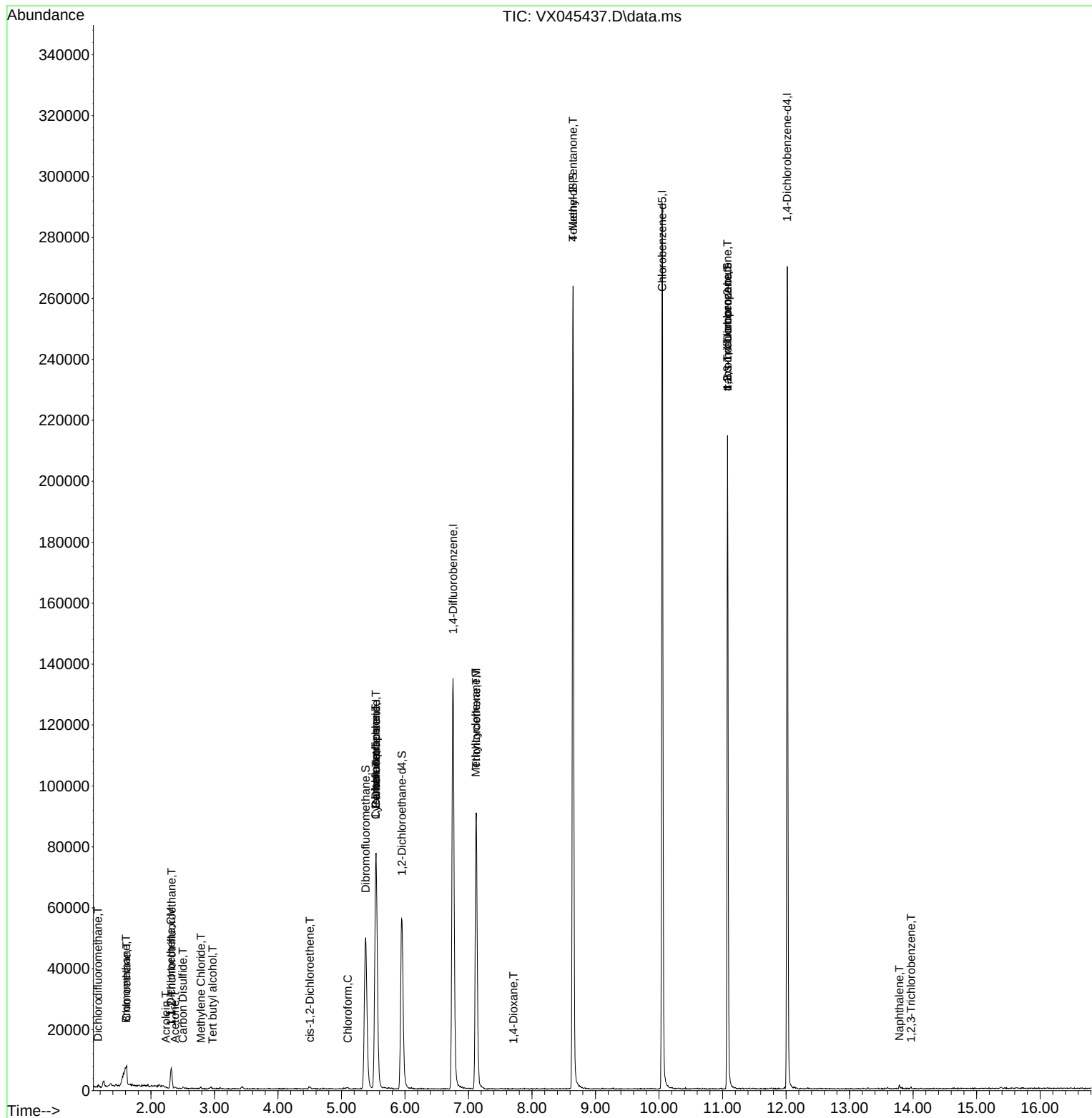
Internal Standards						
1) Pentafluorobenzene	5.544	168	67394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56677	52.870	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.740%	
35) Dibromofluoromethane	5.379	113	43347	49.102	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.200%	
50) Toluene-d8	8.647	98	151880	47.456	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 94.920%	
62) 4-Bromofluorobenzene	11.079	95	54481	51.372	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.740%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	301	0.355	ug/l	73
5) Bromomethane	1.605	94	200	0.494	ug/l #	66
6) Chloroethane	1.617	64	105	0.221	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.325	101	2424	3.095	ug/l	97
11) Tert butyl alcohol	2.971	59	50	0.246	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	602	0.727	ug/l #	81
13) Acrolein	2.233	56	112	0.477	ug/l #	64
16) Acetone	2.380	43	407	0.818	ug/l	97
17) Carbon Disulfide	2.501	76	592	0.268	ug/l #	77
20) Methylene Chloride	2.788	84	211	0.214	ug/l #	51
27) cis-1,2-Dichloroethene	4.501	96	428	0.424	ug/l	81
30) Chloroform	5.099	83	690	0.413	ug/l #	61
31) Cyclohexane	5.538	56	2097	1.438	ug/l #	12
36) 1,1-Dichloropropene	5.538	75	6481	5.353	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7618	6.198	ug/l #	15
39) Methylcyclohexane	7.117	83	389	0.268	ug/l #	1
44) Trichloroethene	7.123	130	33619	37.451	ug/l	99
49) 1,4-Dioxane	7.708	88	22	0.901	ug/l #	44
51) 4-Methyl-2-Pentanone	8.647	43	901	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	31209	26.613	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	31209	91.073	ug/l #	6
95) Naphthalene	13.786	128	1230	0.339	ug/l #	76
96) 1,2,3-Trichlorobenzene	13.969	180	207	0.208	ug/l #	70

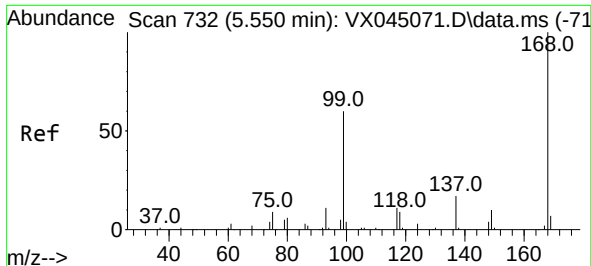
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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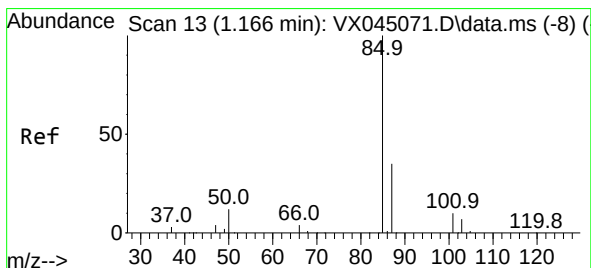
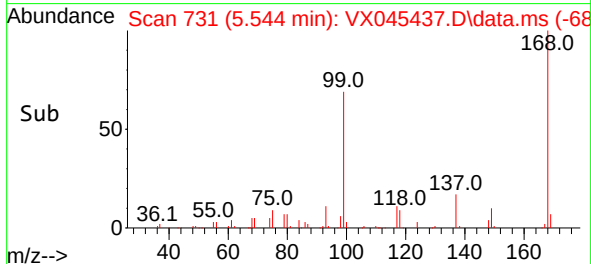
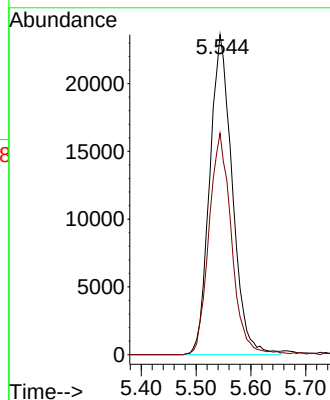
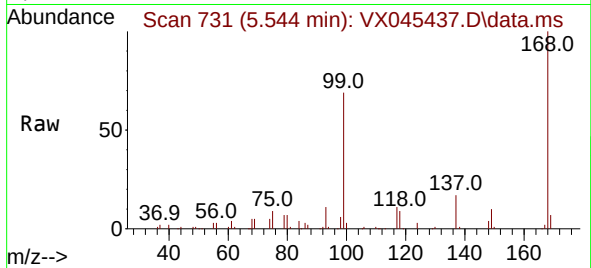




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

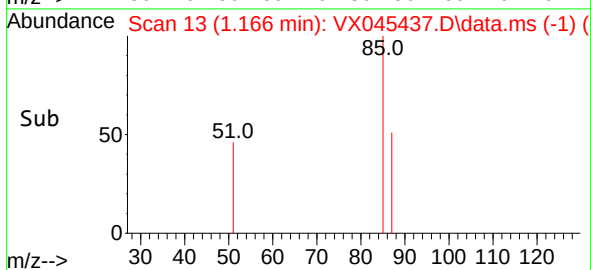
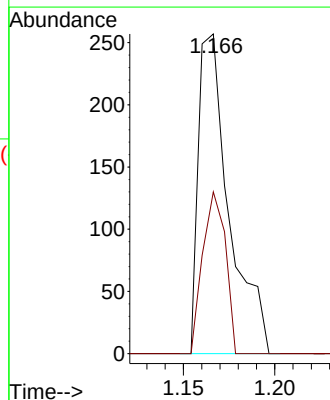
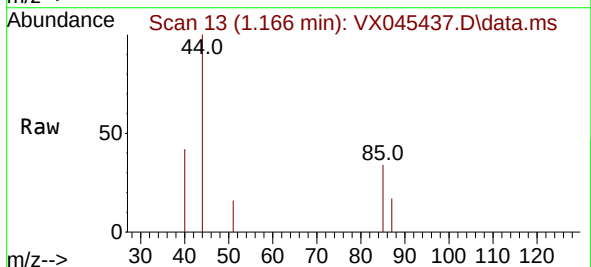
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

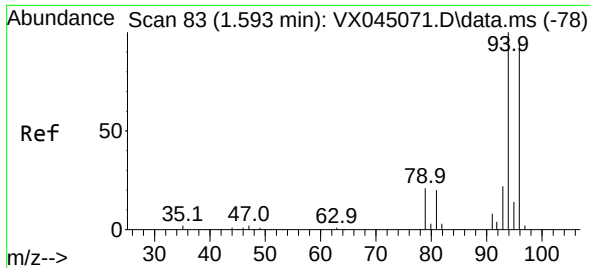
Tgt Ion:168 Resp: 67394
Ion Ratio Lower Upper
168 100
99 69.2 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.355 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 85 Resp: 301
Ion Ratio Lower Upper
85 100
87 50.6 17.4 52.3

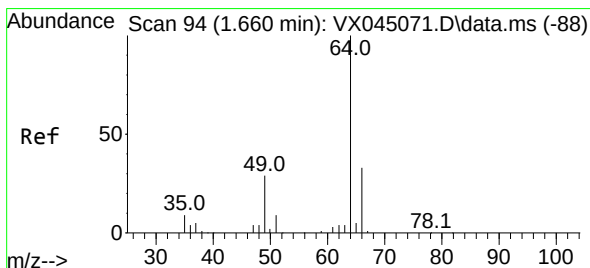
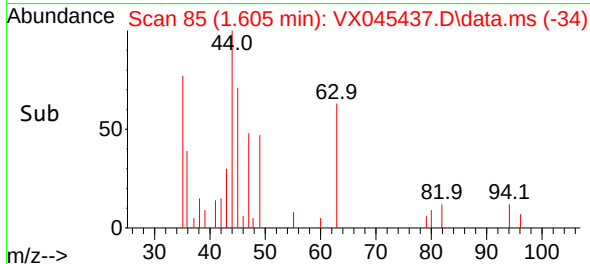
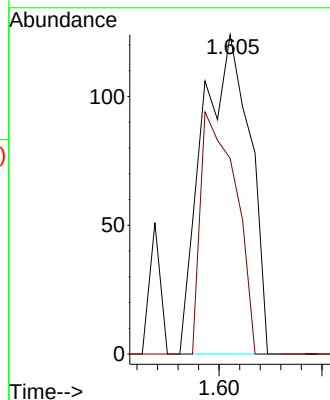
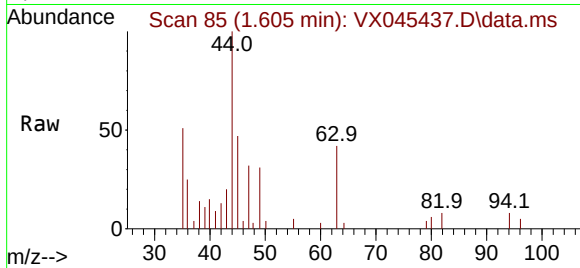




#5
Bromomethane
Concen: 0.494 ug/l
RT: 1.605 min Scan# 81
Delta R.T. 0.012 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

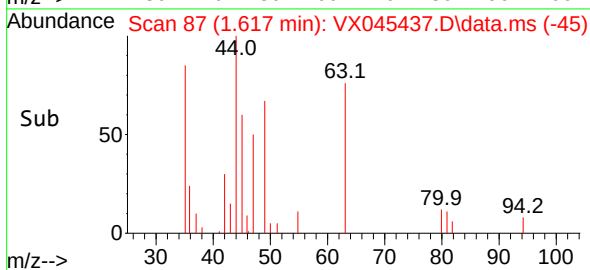
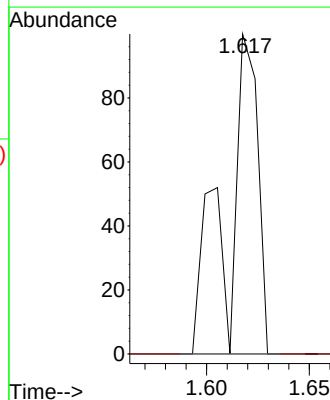
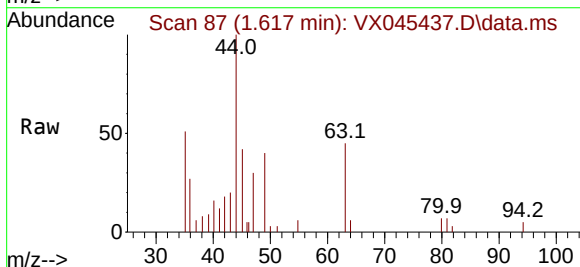
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

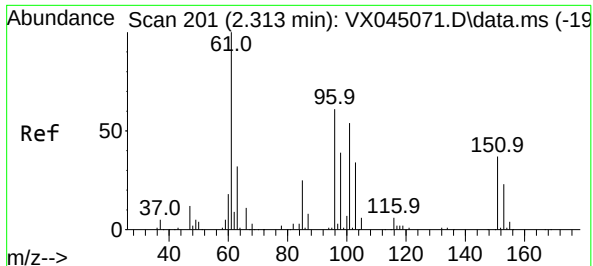
Tgt Ion: 94 Resp: 200
Ion Ratio Lower Upper
94 100
96 61.3 75.0 112.4#



#6
Chloroethane
Concen: 0.221 ug/l
RT: 1.617 min Scan# 87
Delta R.T. -0.043 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 64 Resp: 105
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

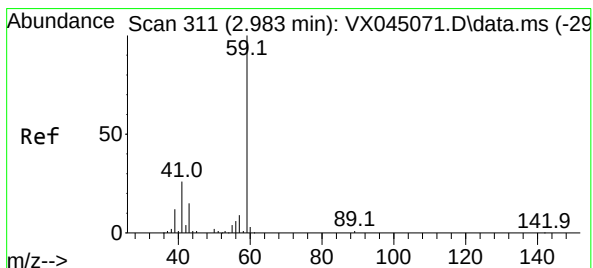
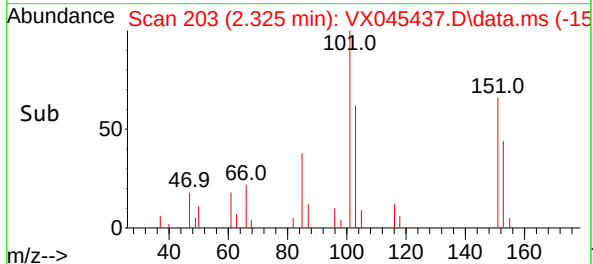
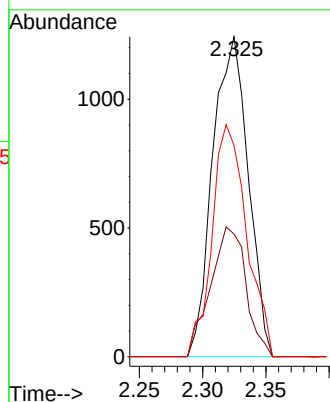
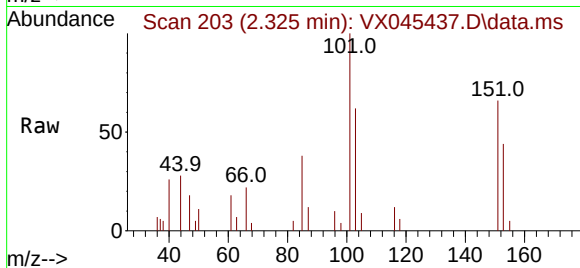




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.095 ug/l
RT: 2.325 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

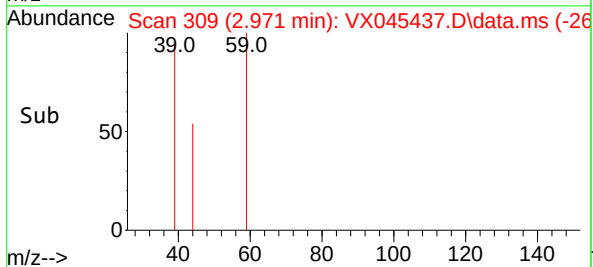
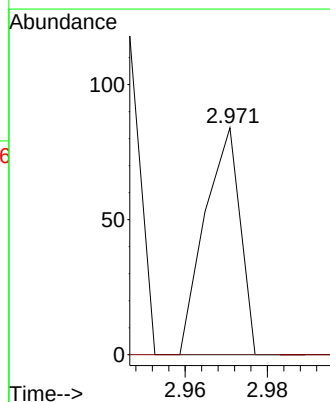
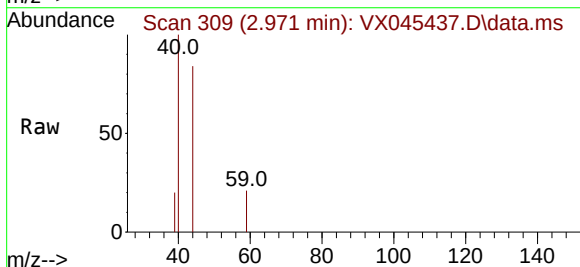
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

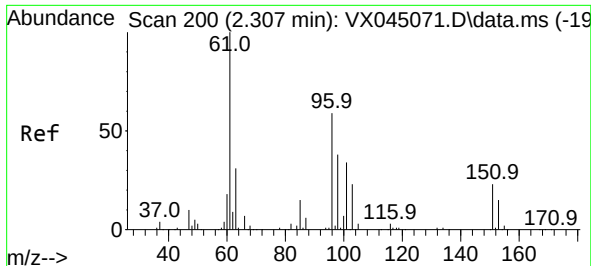
Tgt Ion:101 Resp: 2424
Ion Ratio Lower Upper
101 100
85 40.5 36.2 54.4
151 70.8 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.246 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.727 ug/l

RT: 2.312 min Scan# 200

Delta R.T. 0.006 min

Lab File: VX045437.D

Acq: 25 Mar 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20250318DL

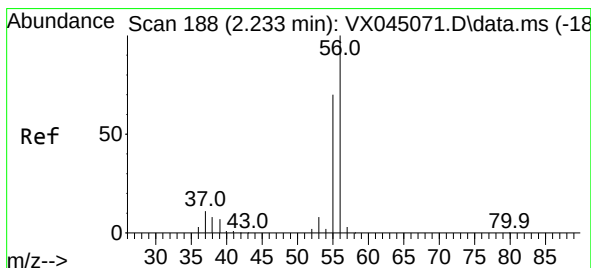
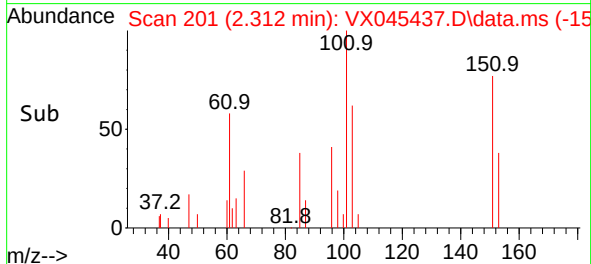
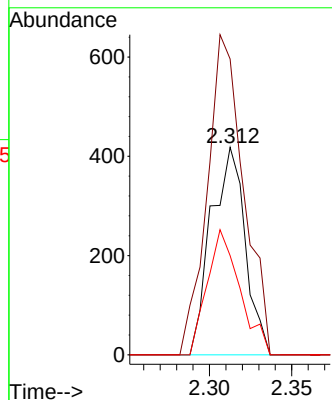
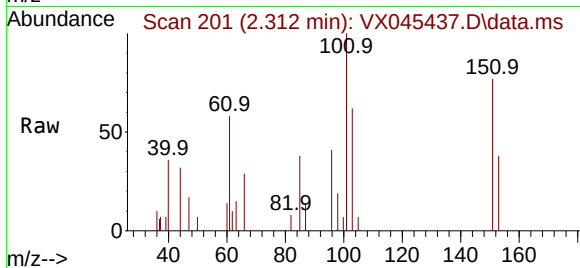
Tgt Ion: 96 Resp: 602

Ion Ratio Lower Upper

96 100

61 142.6 134.6 202.0

98 47.8 51.0 76.6#



#13

Acrolein

Concen: 0.477 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045437.D

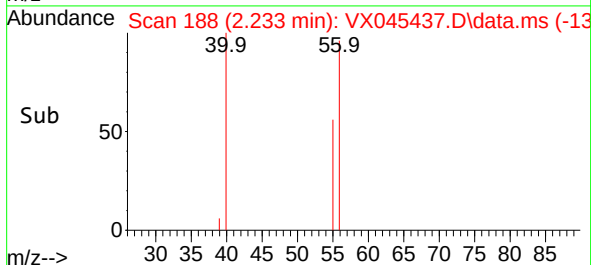
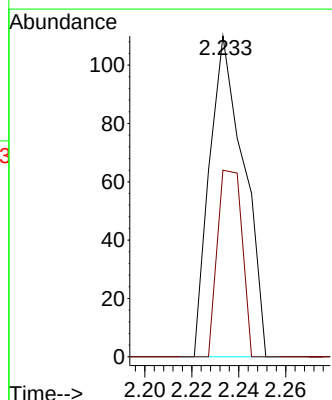
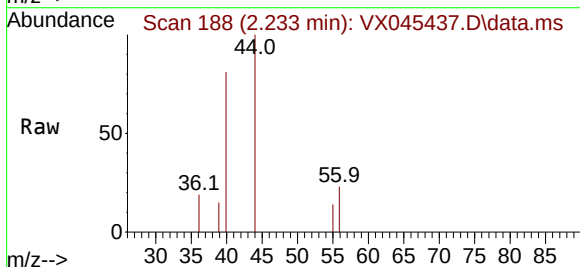
Acq: 25 Mar 2025 14:03

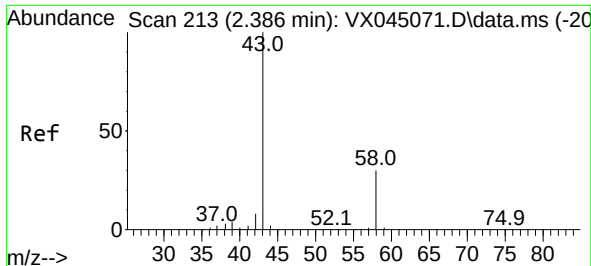
Tgt Ion: 56 Resp: 112

Ion Ratio Lower Upper

56 100

55 41.1 56.2 84.4#





#16

Acetone

Concen: 0.818 ug/l

RT: 2.380 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX045437.D

Acq: 25 Mar 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

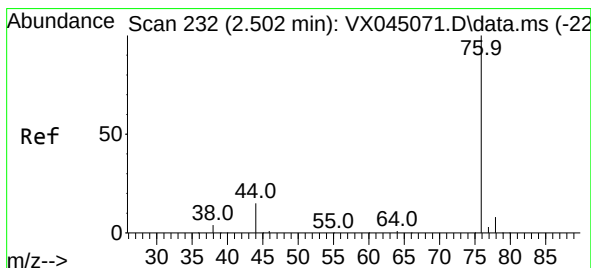
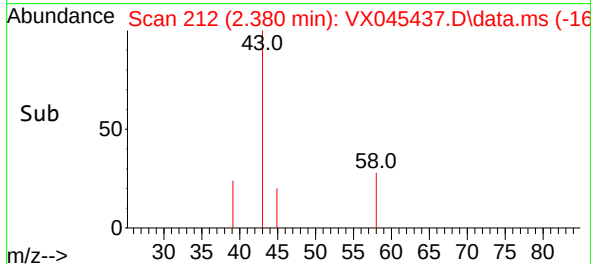
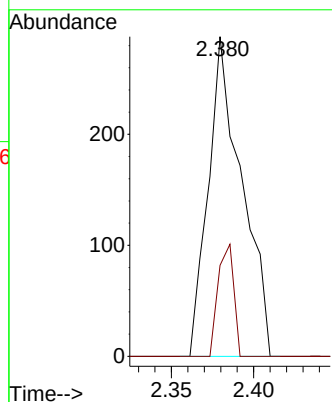
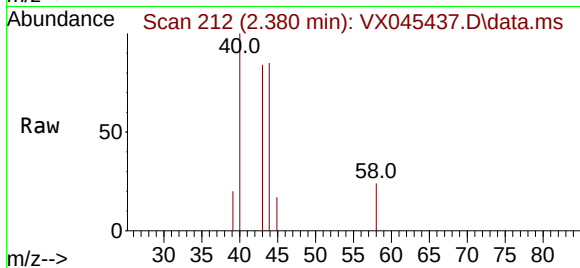
RE132D5-20250318DL

Tgt Ion: 43 Resp: 407

Ion Ratio Lower Upper

43 100

58 28.5 24.2 36.4



#17

Carbon Disulfide

Concen: 0.268 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX045437.D

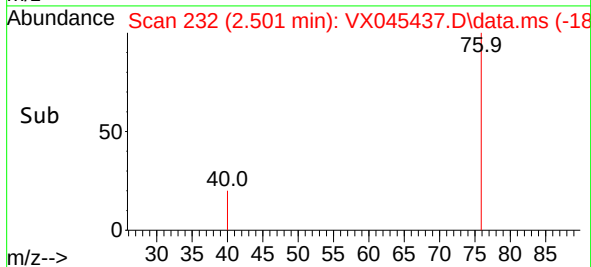
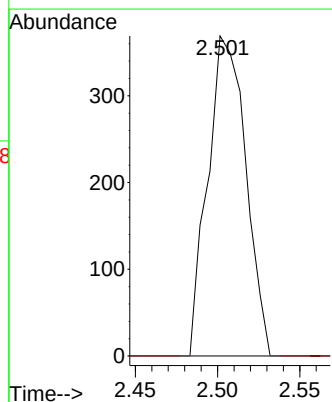
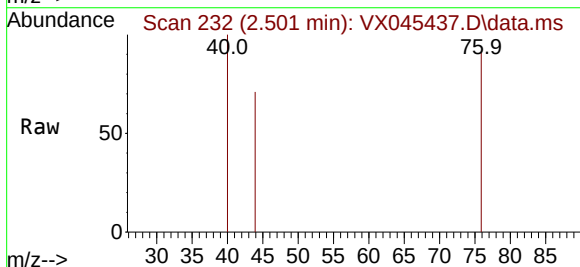
Acq: 25 Mar 2025 14:03

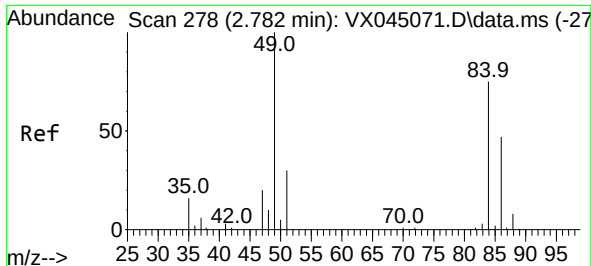
Tgt Ion: 76 Resp: 592

Ion Ratio Lower Upper

76 100

78 0.0 6.6 9.8#

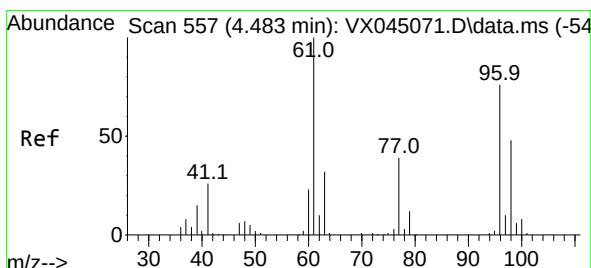
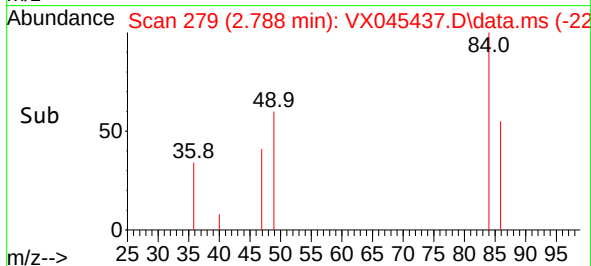
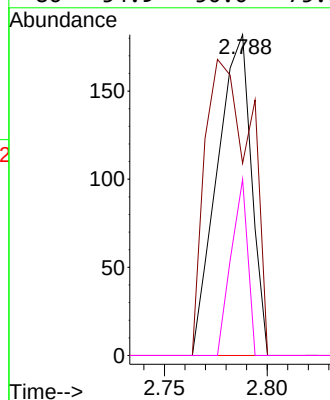
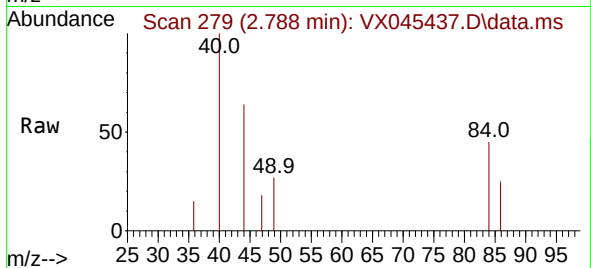




#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.788 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

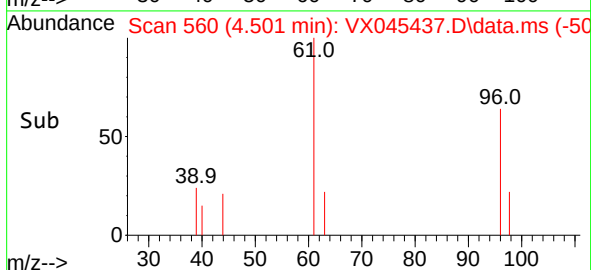
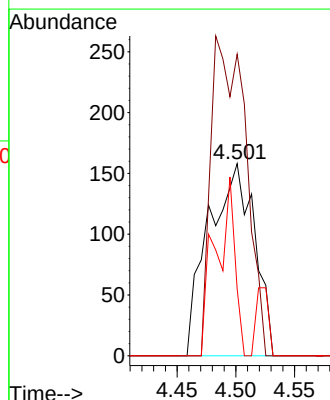
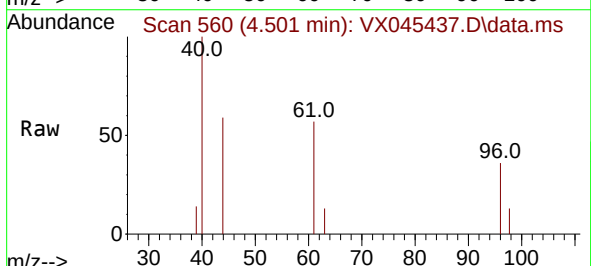
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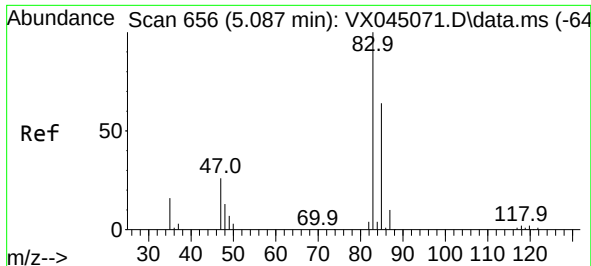
Tgt Ion: 84 Resp: 211
Ion Ratio Lower Upper
84 100
49 59.9 106.5 159.7#
51 0.0 32.1 48.1#
86 54.9 50.0 75.0



#27
cis-1,2-Dichloroethene
Concen: 0.424 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.018 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 96 Resp: 428
Ion Ratio Lower Upper
96 100
61 125.9 0.0 283.2
98 39.3 0.0 128.0





#30

Chloroform

Concen: 0.413 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX045437.D

Acq: 25 Mar 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

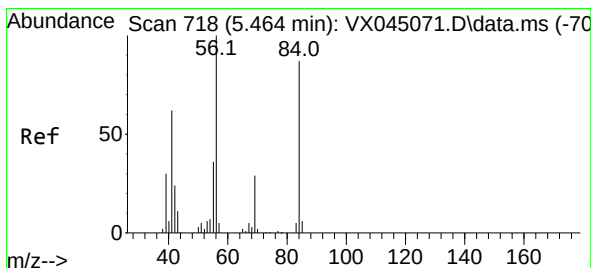
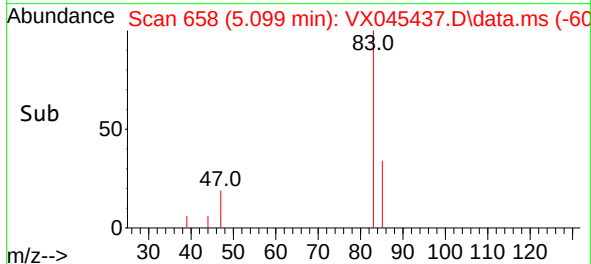
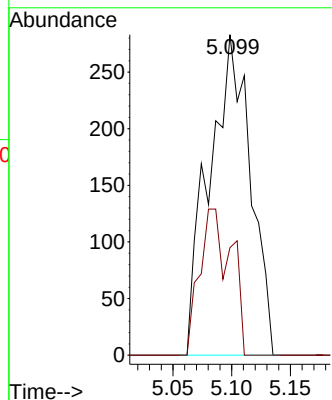
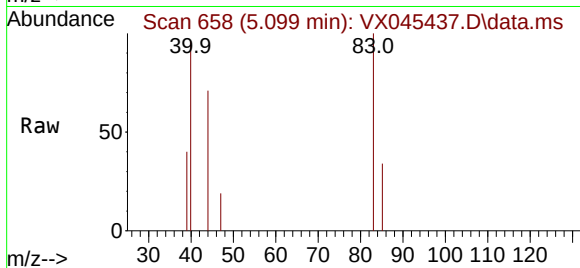
RE132D5-20250318DL

Tgt Ion: 83 Resp: 690

Ion Ratio Lower Upper

83 100

85 33.6 51.4 77.2#



#31

Cyclohexane

Concen: 1.438 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX045437.D

Acq: 25 Mar 2025 14:03

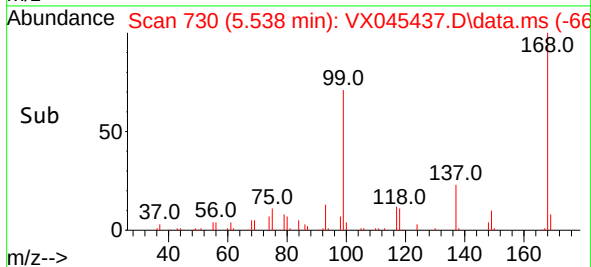
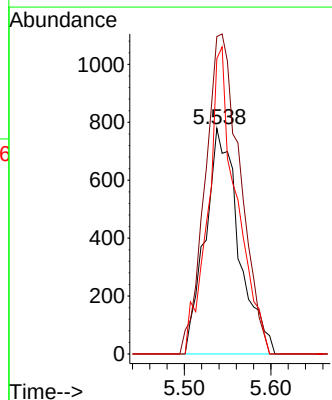
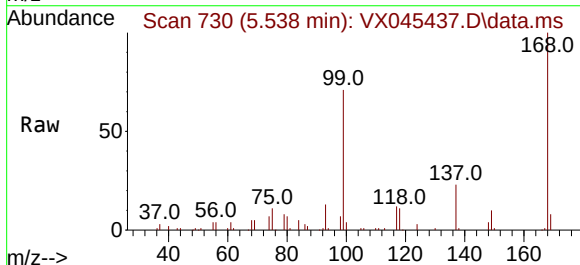
Tgt Ion: 56 Resp: 2097

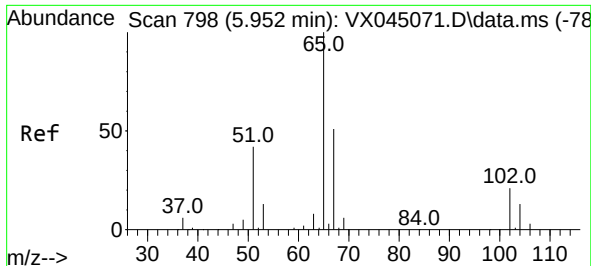
Ion Ratio Lower Upper

56 100

69 140.7 23.4 35.2#

84 130.9 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 52.870 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045437.D

Acq: 25 Mar 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

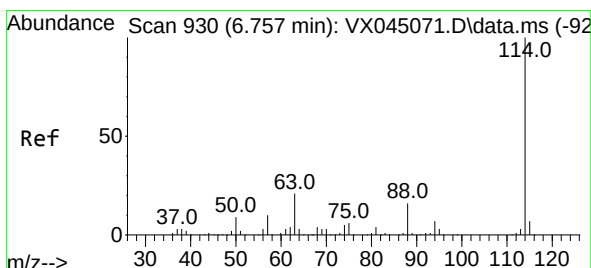
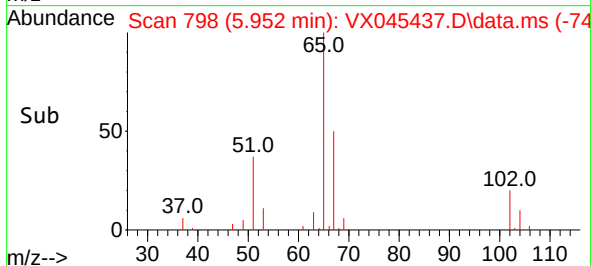
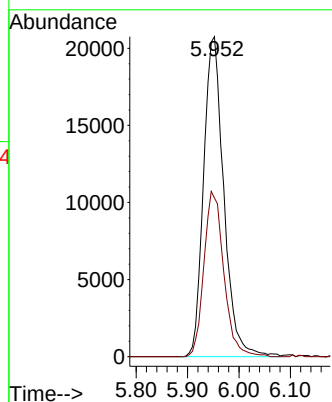
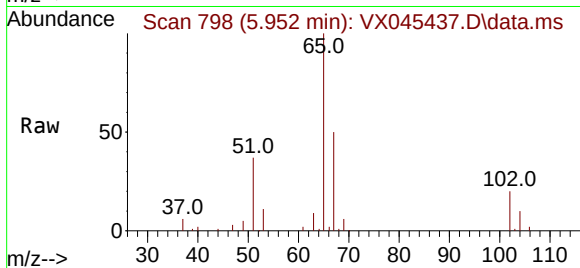
RE132D5-20250318DL

Tgt Ion: 65 Resp: 56677

Ion Ratio Lower Upper

65 100

67 50.9 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: VX045437.D

Acq: 25 Mar 2025 14:03

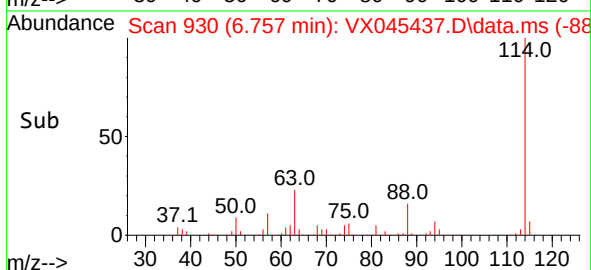
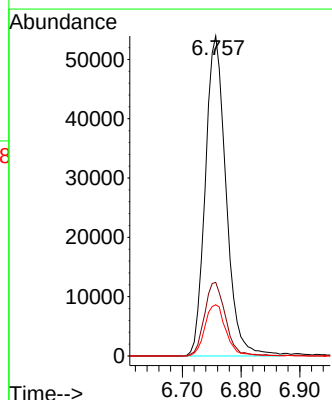
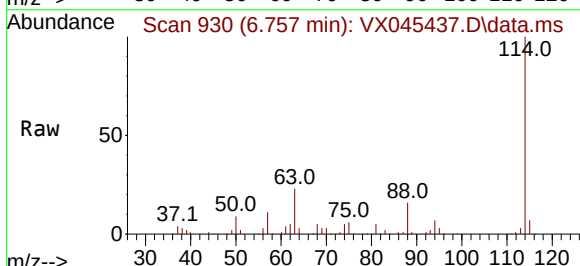
Tgt Ion: 114 Resp: 132021

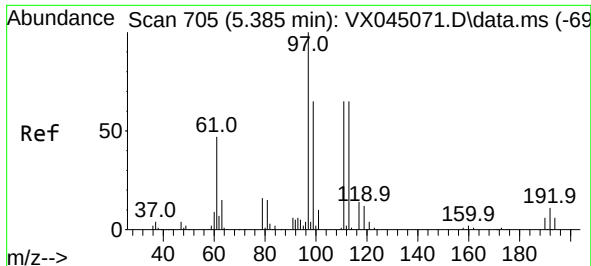
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.0 0.0 32.8

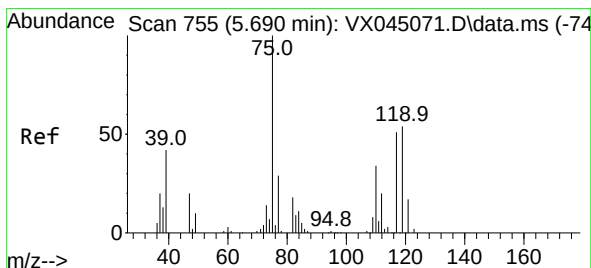
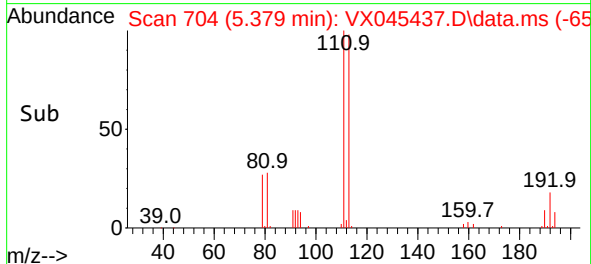
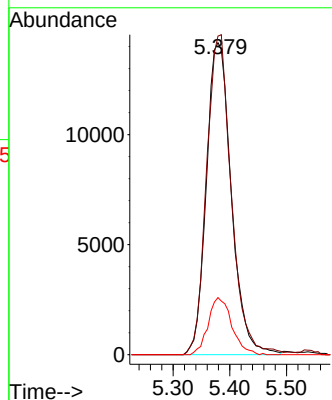
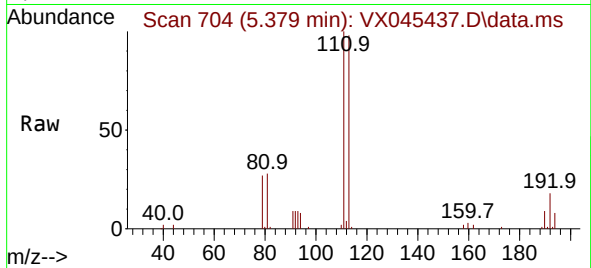




#35
Dibromofluoromethane
Concen: 49.102 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

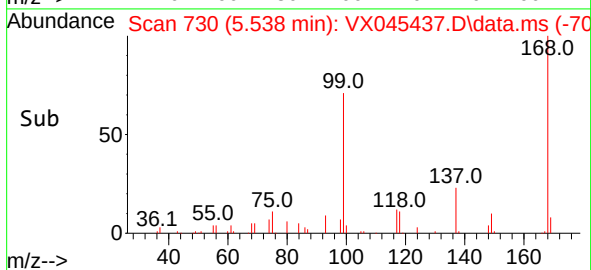
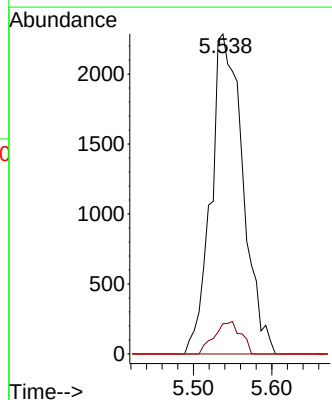
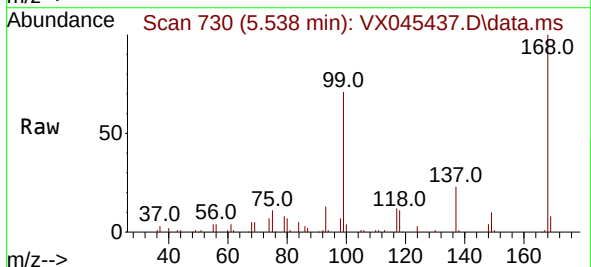
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

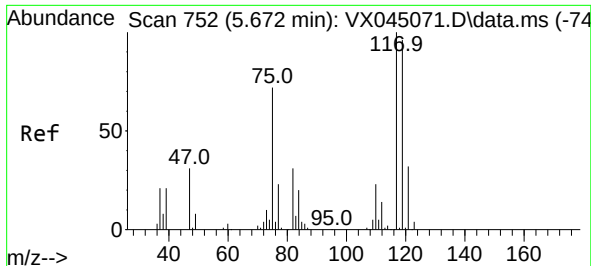
Tgt Ion:113 Resp: 43347
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 17.3 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.353 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.153 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

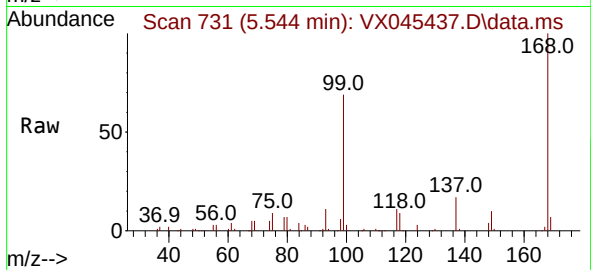
Tgt Ion: 75 Resp: 6481
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.6#
77 0.0 24.5 36.7#



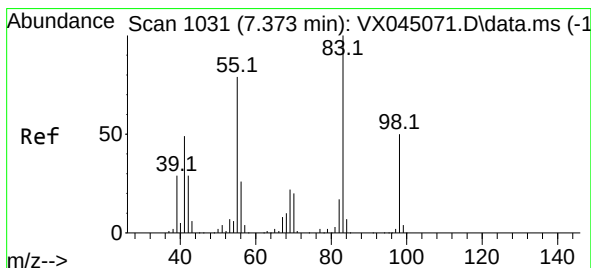
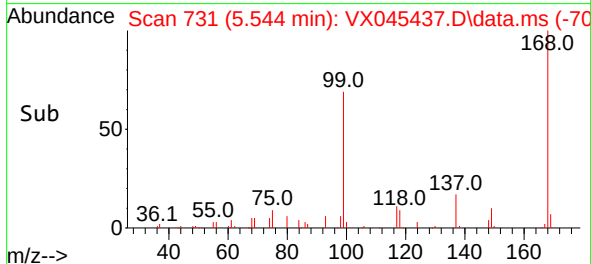
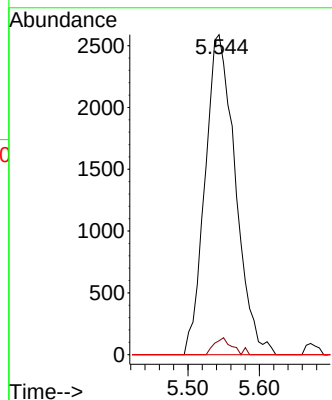


#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

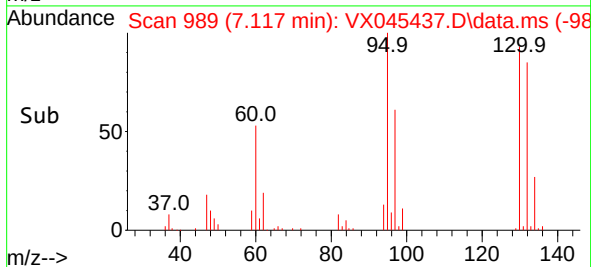
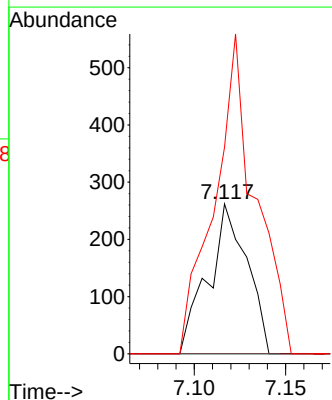
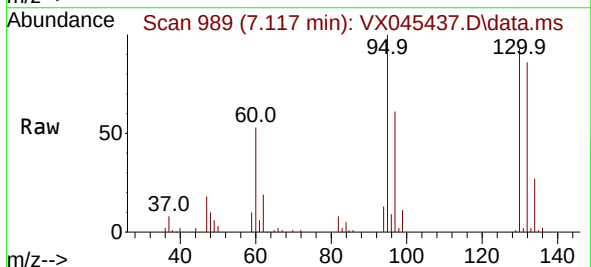


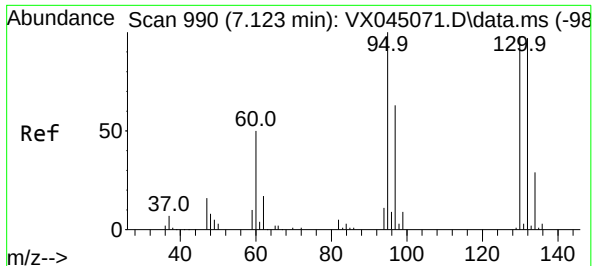
Tgt Ion:117 Resp: 7618
Ion Ratio Lower Upper
117 100
119 4.3 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.268 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 83 Resp: 389
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 137.8 39.7 59.5#

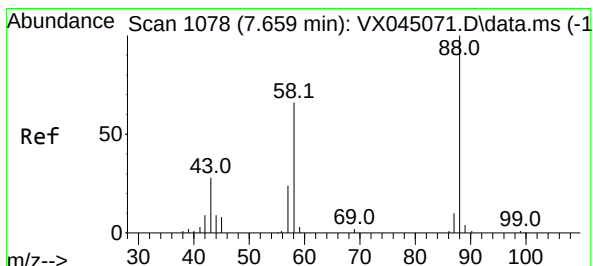
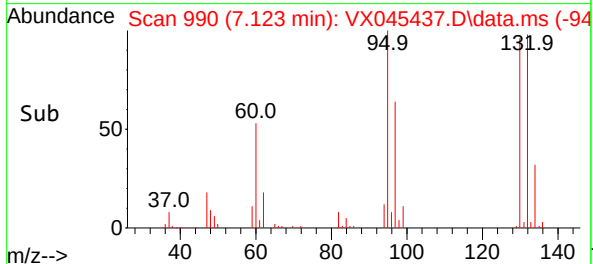
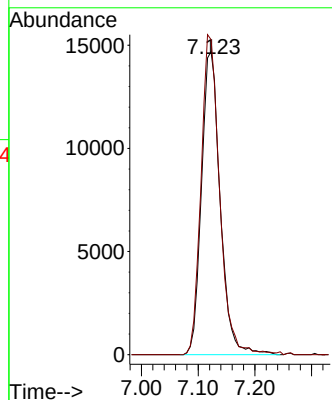
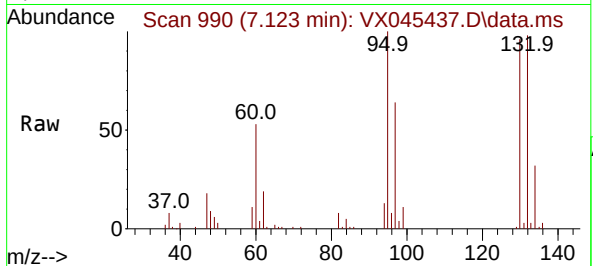




#44
Trichloroethene
Concen: 37.451 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

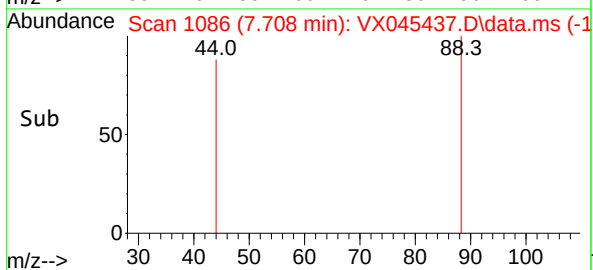
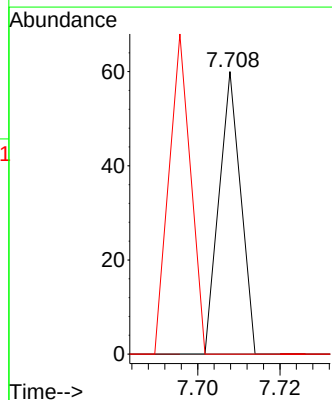
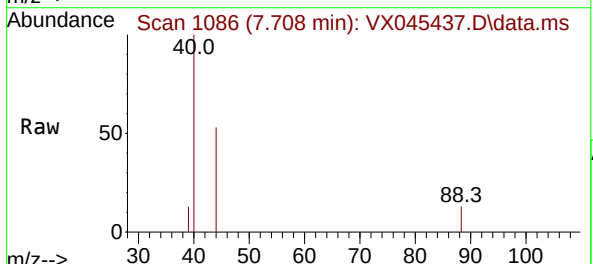
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

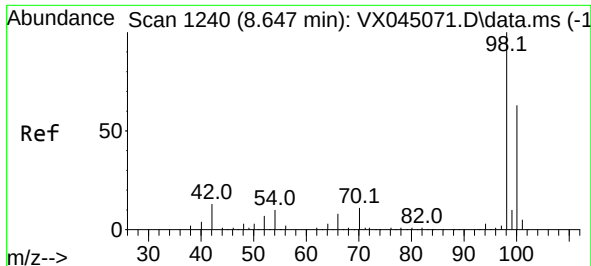
Tgt Ion:130 Resp: 33619
Ion Ratio Lower Upper
130 100
95 104.0 0.0 205.0



#49
1,4-Dioxane
Concen: 0.901 ug/l
RT: 7.708 min Scan# 1086
Delta R.T. 0.049 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 113.6 55.8 83.8#

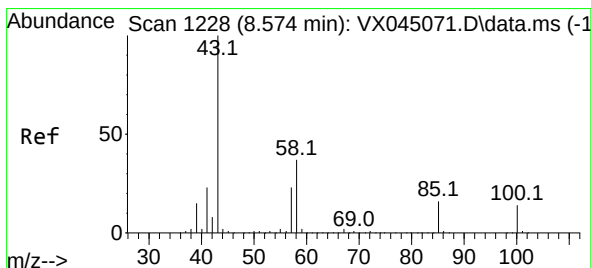
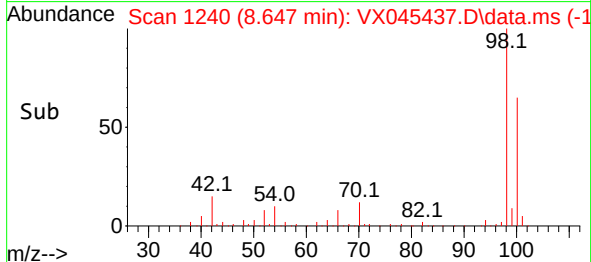
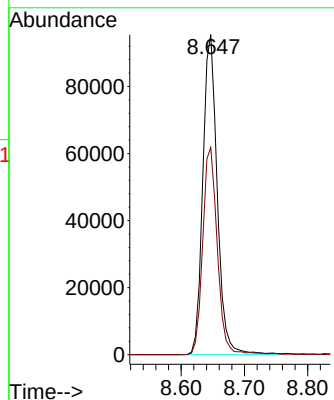
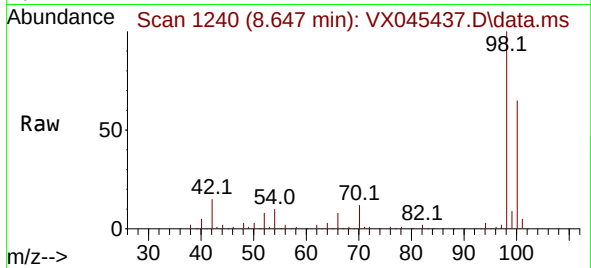




#50
Toluene-d8
Concen: 47.456 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

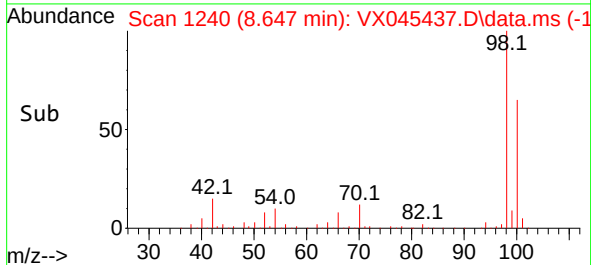
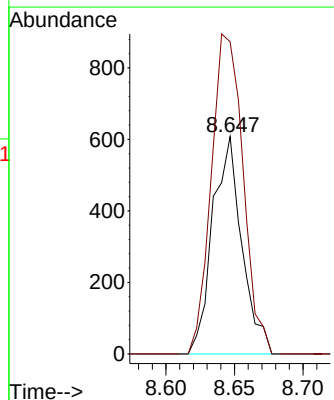
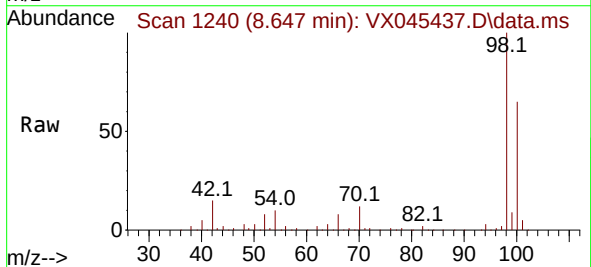
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

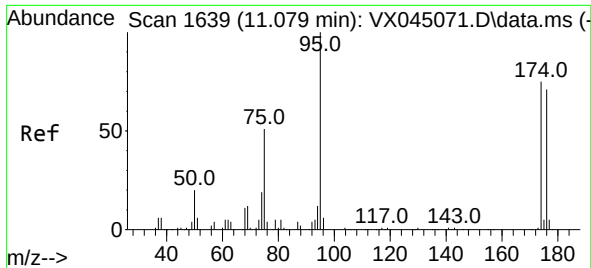
Tgt Ion: 98 Resp: 151880
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 43 Resp: 901
Ion Ratio Lower Upper
43 100
58 160.2 29.2 43.8#

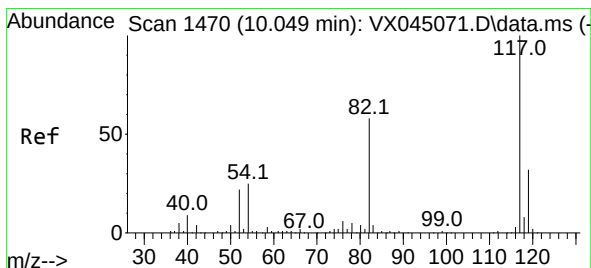
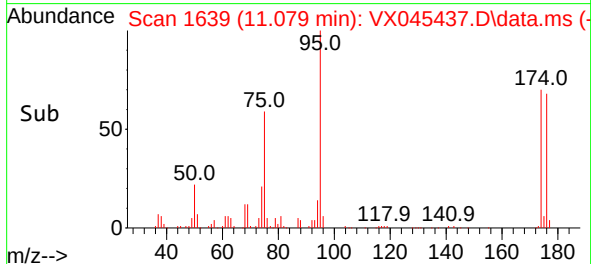
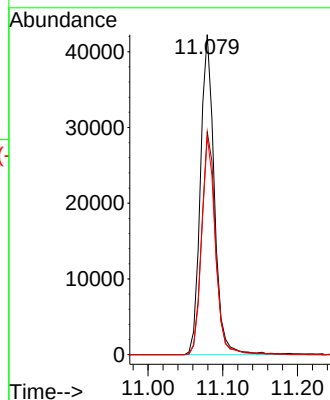
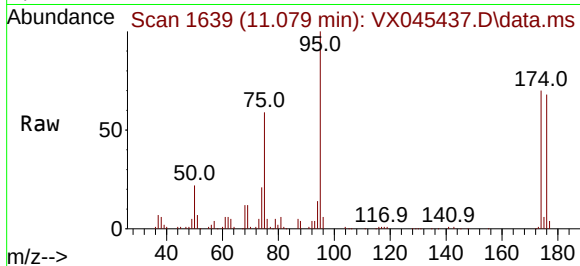




#62
4-Bromofluorobenzene
Concen: 51.372 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

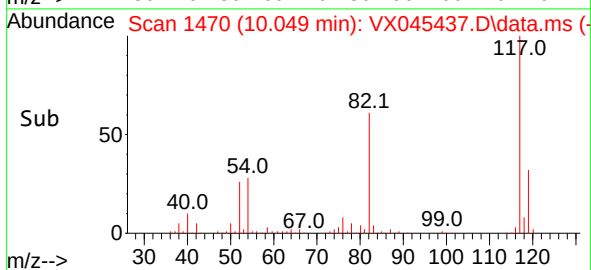
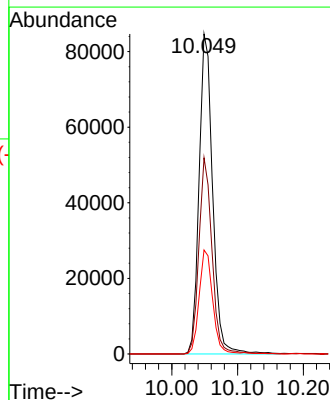
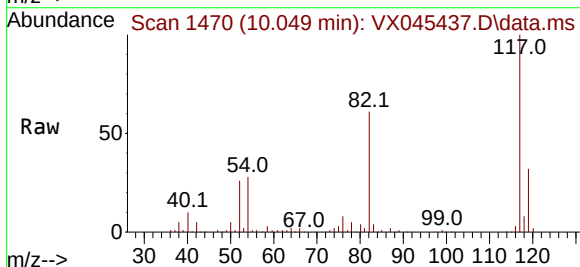
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

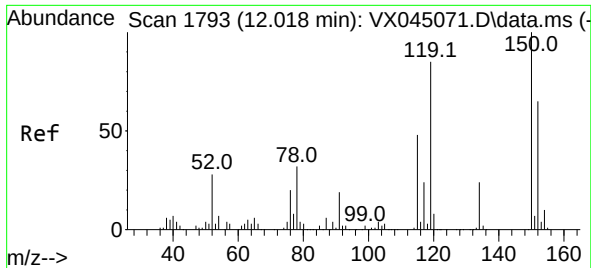
Tgt Ion: 95 Resp: 54481
Ion Ratio Lower Upper
95 100
174 70.2 0.0 148.2
176 67.4 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 117 Resp: 120711
Ion Ratio Lower Upper
117 100
82 61.3 46.3 69.5
119 32.5 25.7 38.5

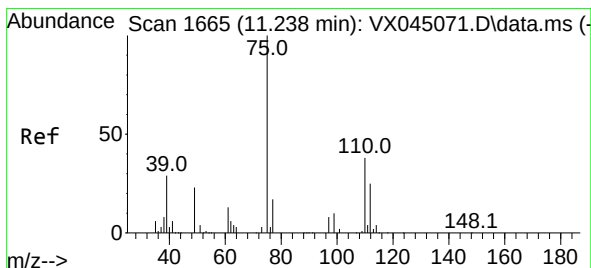
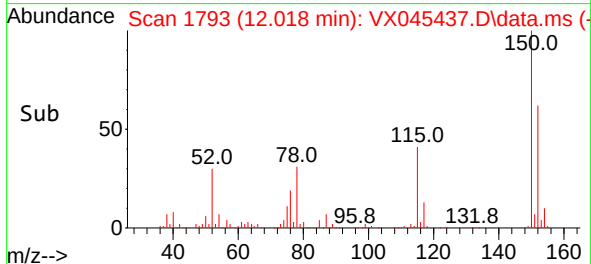
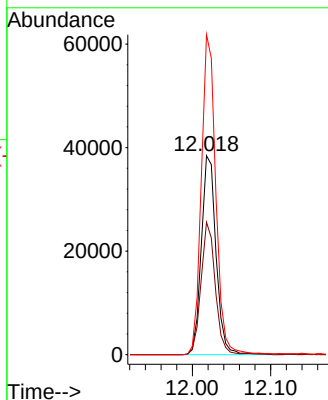
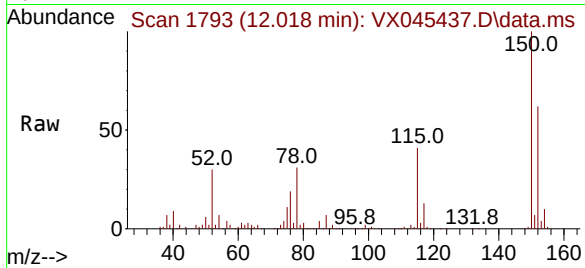




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

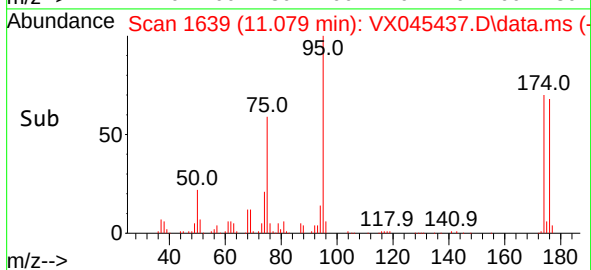
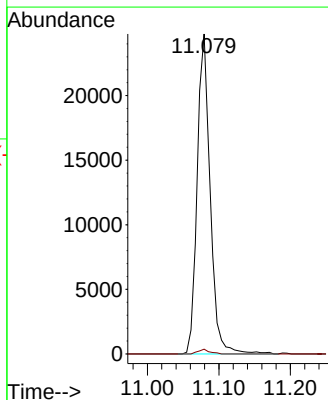
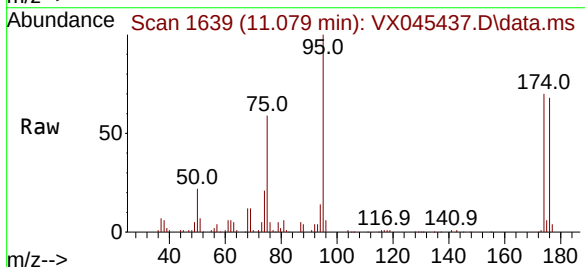
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

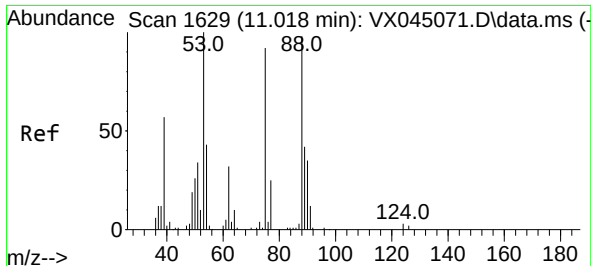
Tgt Ion:152 Resp: 50385
Ion Ratio Lower Upper
152 100
115 64.4 44.2 132.6
150 157.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.613 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion: 75 Resp: 31209
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#

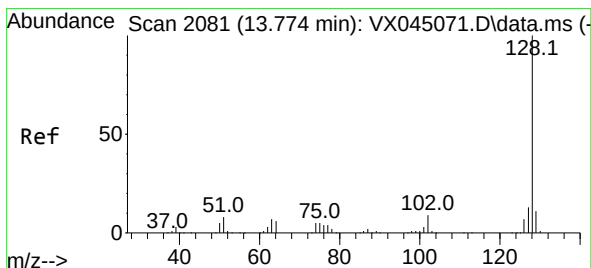
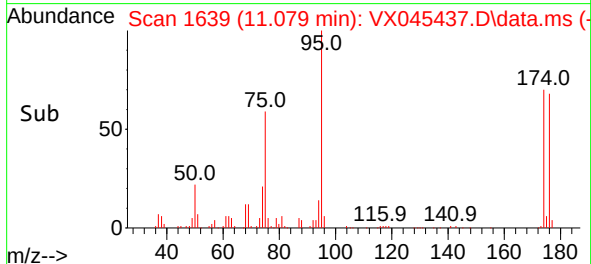
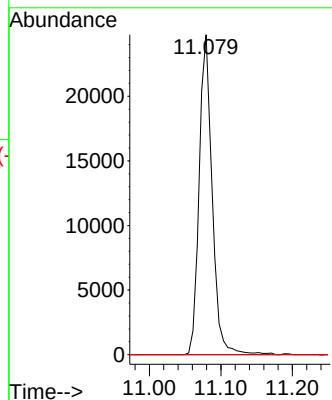
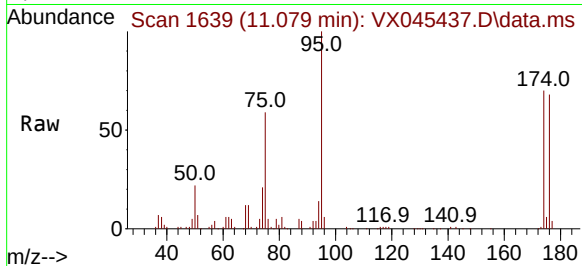




#81
trans-1,4-Dichloro-2-butene
Concen: 91.073 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

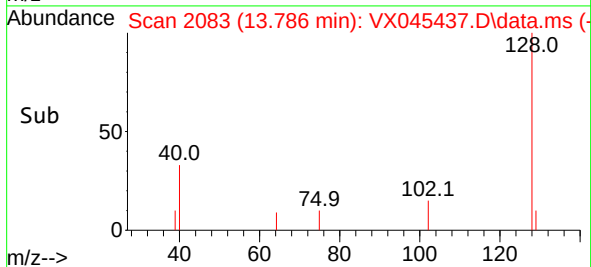
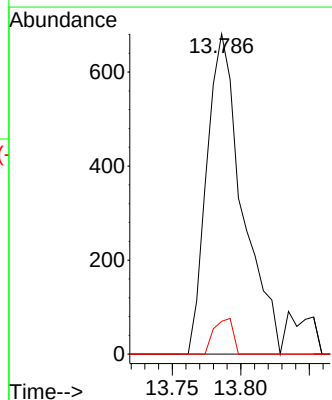
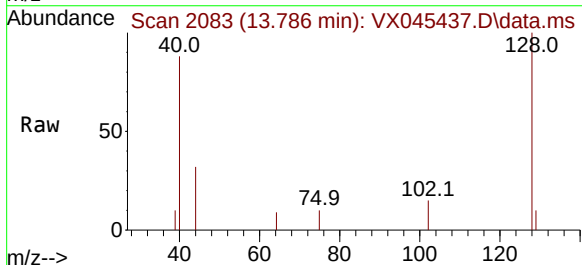
Instrument :
MSVOA_X
ClientSampleId :
RE132D5-20250318DL

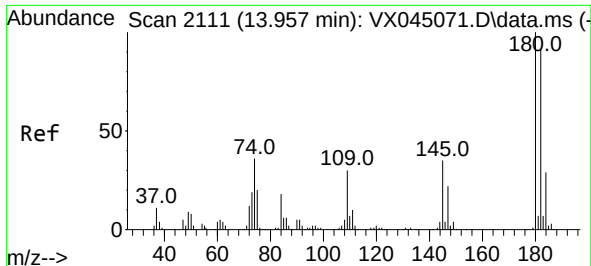
Tgt Ion: 75 Resp: 31209
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#



#95
Naphthalene
Concen: 0.339 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045437.D
Acq: 25 Mar 2025 14:03

Tgt Ion:128 Resp: 1230
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.9 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.208 ug/l

RT: 13.969 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX045437.D

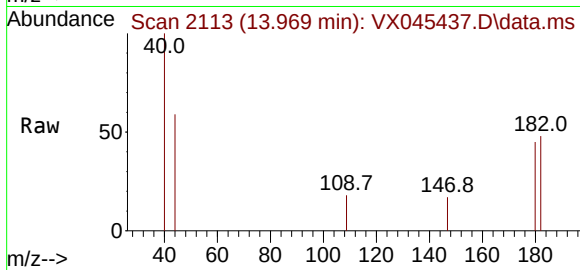
Acq: 25 Mar 2025 14:03

Instrument :

MSVOA_X

ClientSampleId :

RE132D5-20250318DL



Tgt Ion:180 Resp: 207

Ion Ratio Lower Upper

180 100

182 114.5 47.5 142.6

145 0.0 17.0 50.9#

