

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045273.D
 Acq On : 13 Mar 2025 16:43
 Operator : JC/MD
 Sample : Q1559-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE125D3-20250310

Quant Time: Mar 14 12:29:25 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)

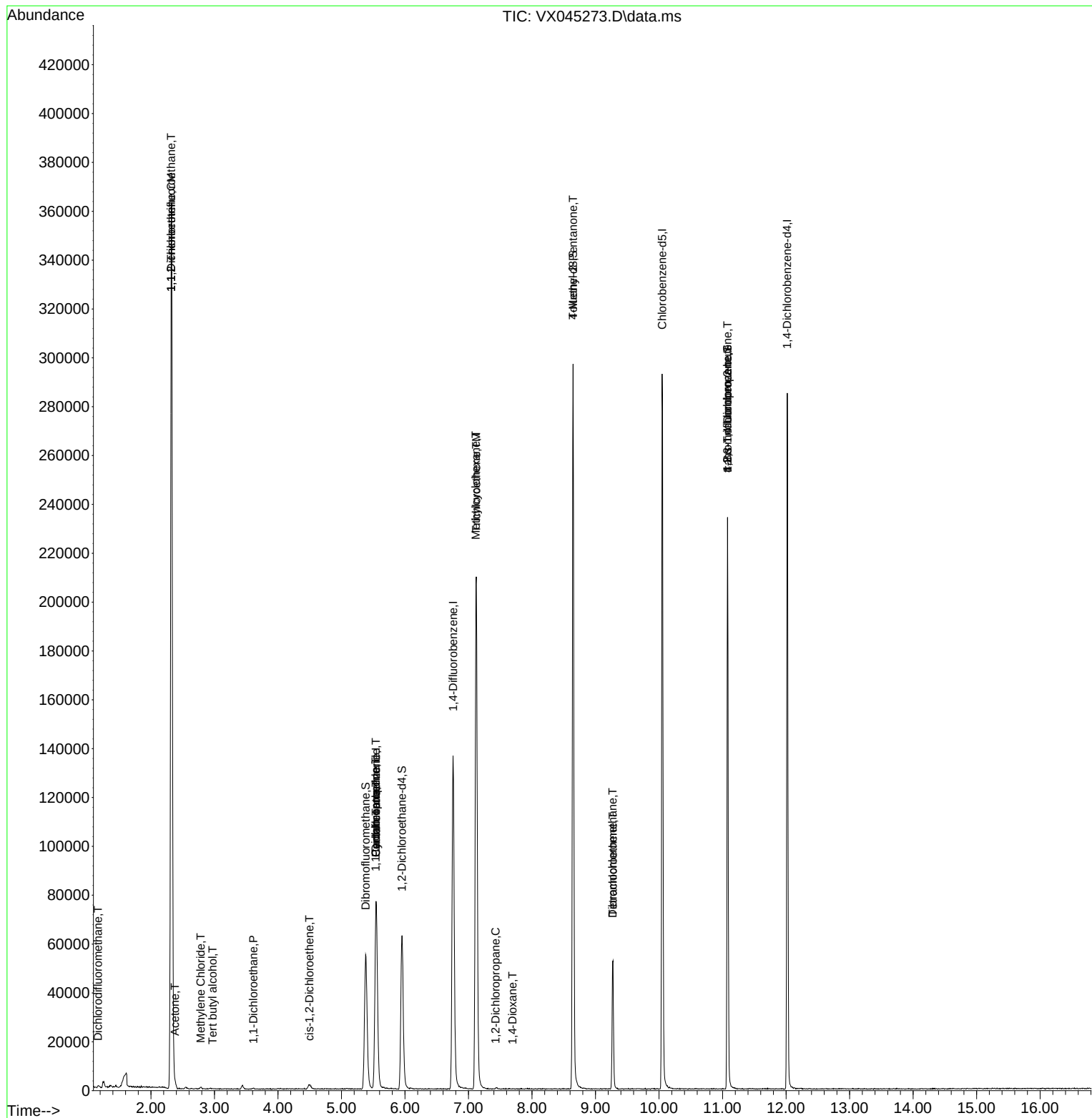
Internal Standards						
1) Pentafluorobenzene	5.544	168	69221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137405	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60400	54.856	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.720%	
35) Dibromofluoromethane	5.379	113	46739	50.870	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.740%	
50) Toluene-d8	8.647	98	168759	50.664	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.320%	
62) 4-Bromofluorobenzene	11.079	95	58286	52.806	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.620%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	250	0.287	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	2.319	101	146958	182.665	ug/l	99
11) Tert butyl alcohol	2.971	59	42	0.201	ug/l #	73
12) 1,1-Dichloroethene	2.319	96	1220	1.434	ug/l #	62
16) Acetone	2.380	43	1128	2.208	ug/l	93
20) Methylene Chloride	2.782	84	375	0.371	ug/l #	78
24) 1,1-Dichloroethane	3.611	63	375	0.217	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	1527	1.472	ug/l	89
31) Cyclohexane	5.544	56	2063	1.377	ug/l #	6
36) 1,1-Dichloropropene	5.537	75	6253	4.963	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7475	5.843	ug/l #	14
39) Methylcyclohexane	7.116	83	1170	0.775	ug/l #	1
44) Trichloroethene	7.123	130	79338	84.919	ug/l	99
45) 1,2-Dichloropropane	7.427	63	311	0.304	ug/l #	44
49) 1,4-Dioxane	7.690	88	102	4.015	ug/l #	44
51) 4-Methyl-2-Pentanone	8.647	43	965	0.599	ug/l #	1
60) Dibromochloromethane	9.269	129	9841	9.793	ug/l #	11
64) Tetrachloroethene	9.275	164	9347	11.634	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	33049	26.275	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33049	89.916	ug/l #	6

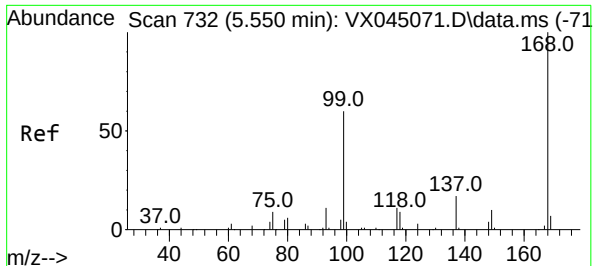
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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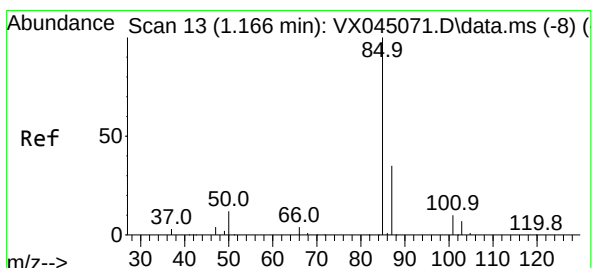
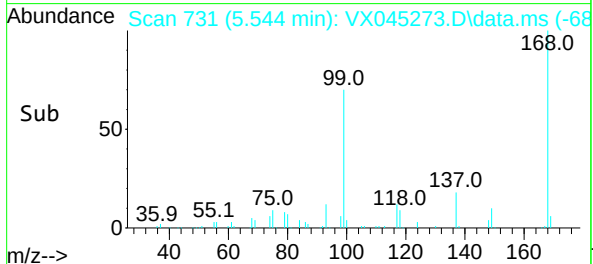
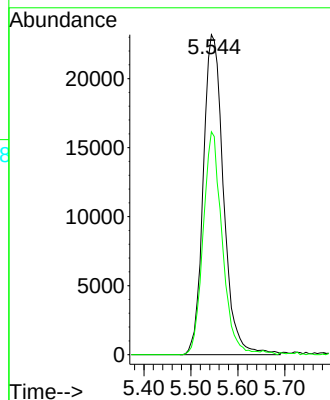
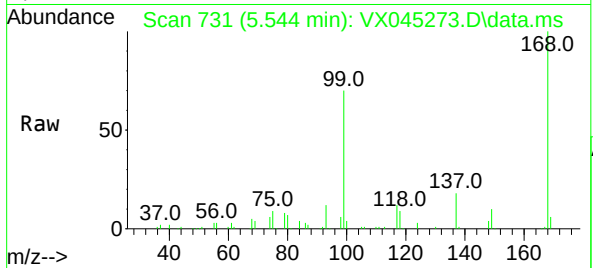




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

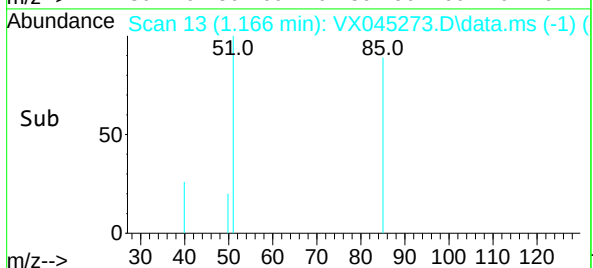
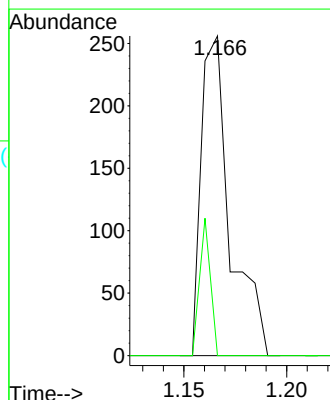
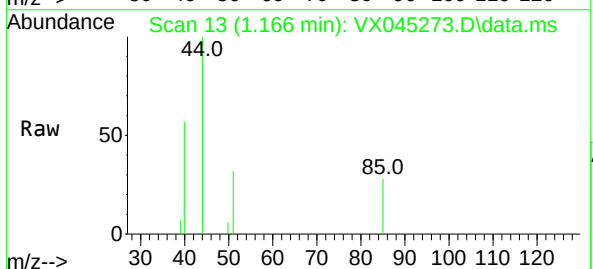
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

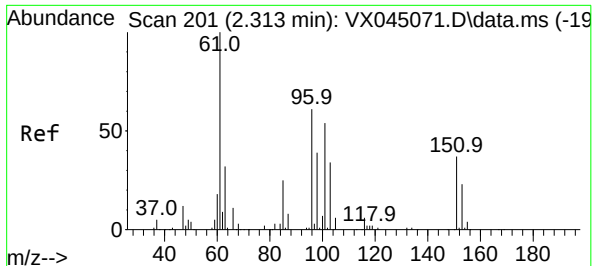
Tgt Ion:168 Resp: 69221
Ion Ratio Lower Upper
168 100
99 69.7 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 0.287 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 85 Resp: 250
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.3#

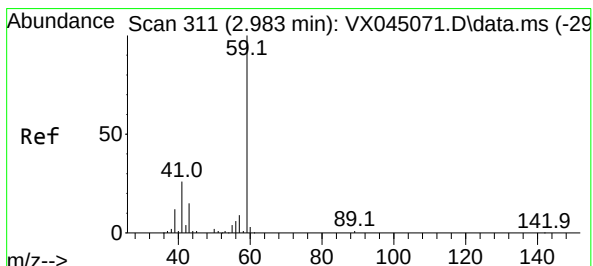
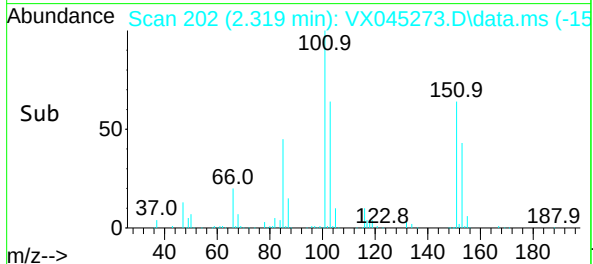
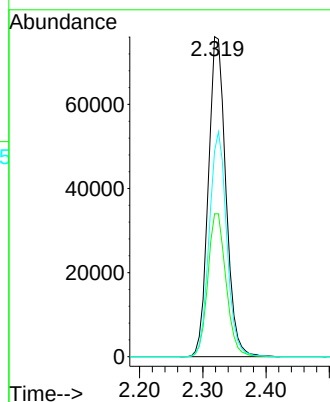
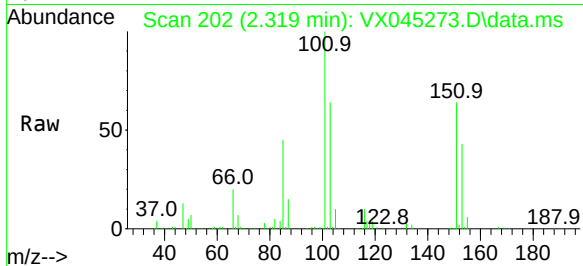




#9
1,1,2-Trichlorotrifluoroethane
Concen: 182.665 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

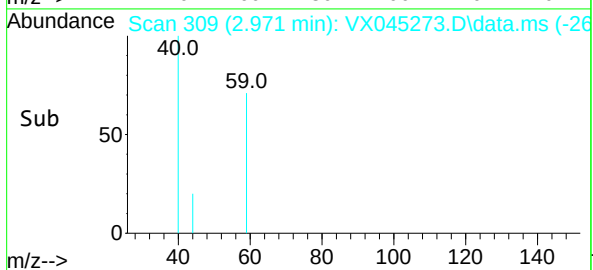
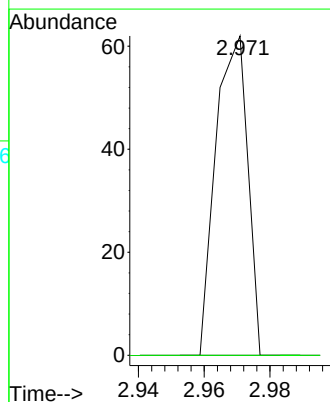
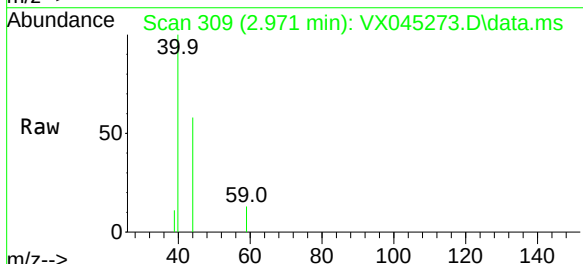
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

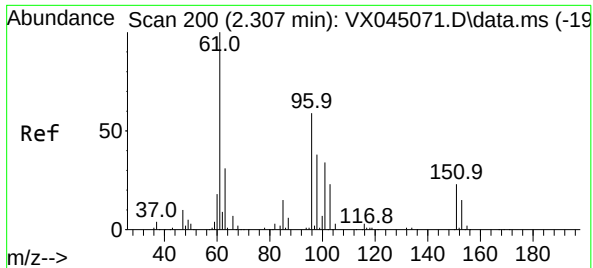
Tgt Ion:101 Resp: 146958
Ion Ratio Lower Upper
101 100
85 46.2 36.2 54.4
151 69.9 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.201 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 59 Resp: 42
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 1.434 ug/l

RT: 2.319 min Scan# 20

Delta R.T. 0.012 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310

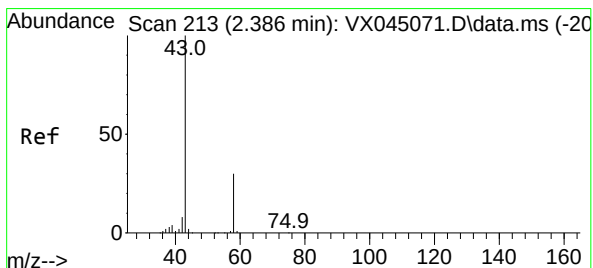
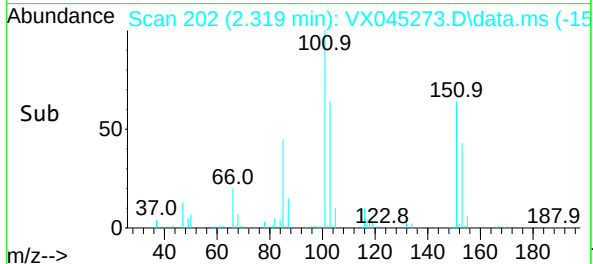
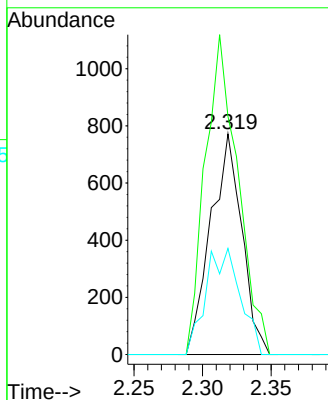
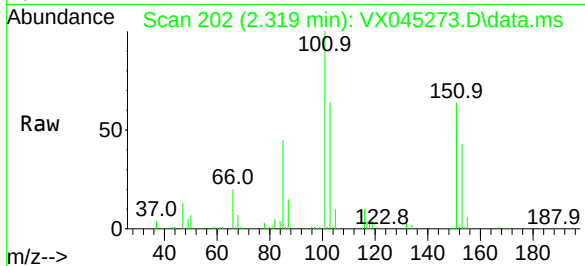
Tgt Ion: 96 Resp: 1220

Ion Ratio Lower Upper

96 100

61 107.9 134.6 202.0#

98 48.1 51.0 76.6#



#16

Acetone

Concen: 2.208 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045273.D

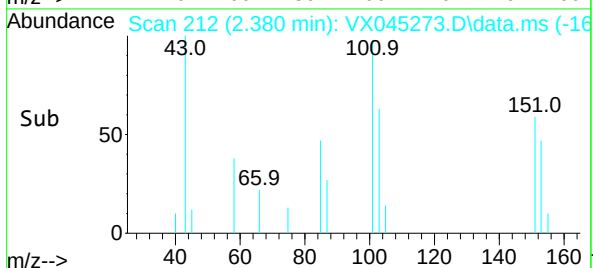
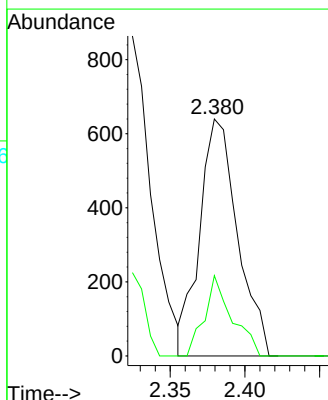
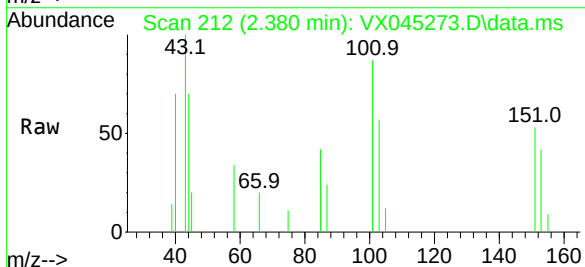
Acq: 13 Mar 2025 16:43

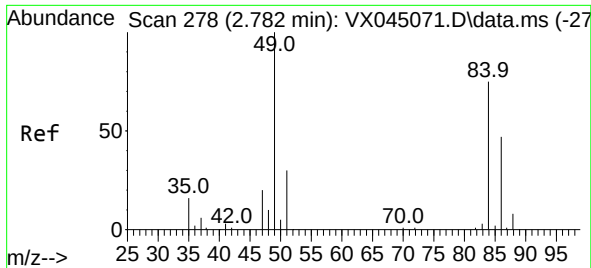
Tgt Ion: 43 Resp: 1128

Ion Ratio Lower Upper

43 100

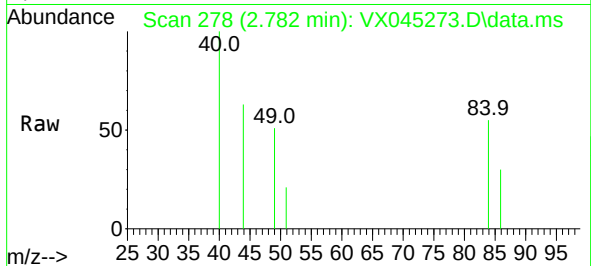
58 33.9 24.2 36.4



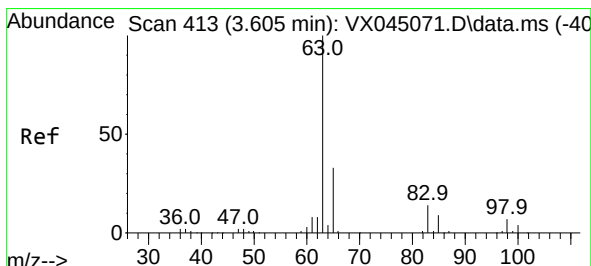
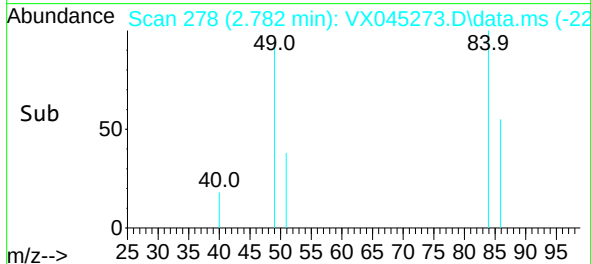
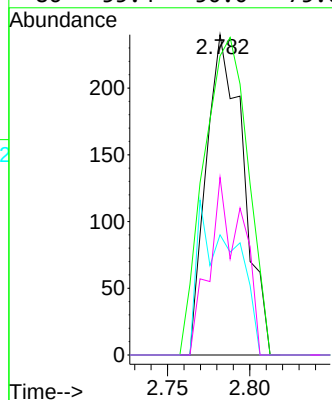


#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

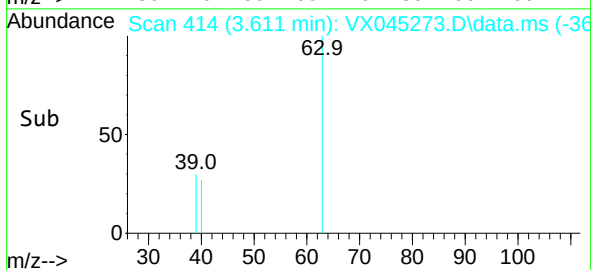
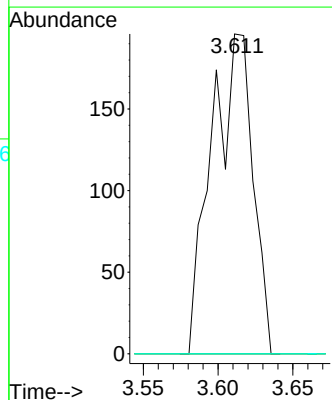
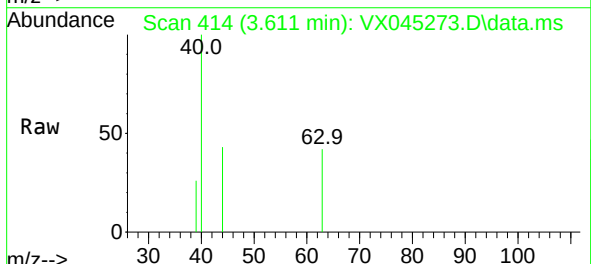


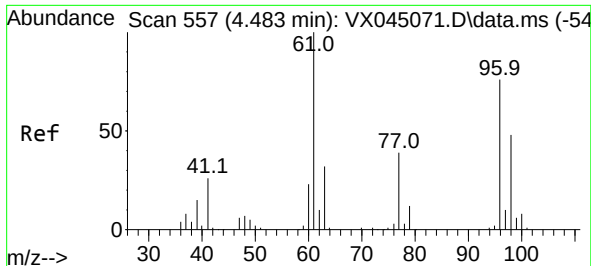
Tgt Ion:	84	Resp:	375
Ion	Ratio	Lower	Upper
84	100		
49	93.3	106.5	159.7#
51	37.5	32.1	48.1
86	55.4	50.0	75.0



#24
1,1-Dichloroethane
Concen: 0.217 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:	63	Resp:	375
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#





#27

cis-1,2-Dichloroethene

Concen: 1.472 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX045273.D

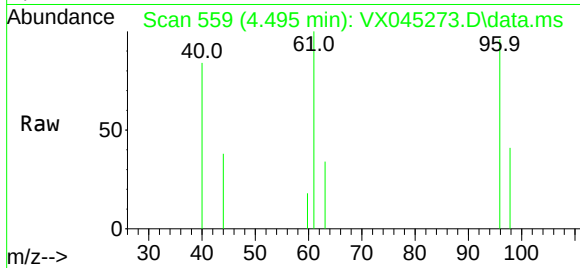
Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :

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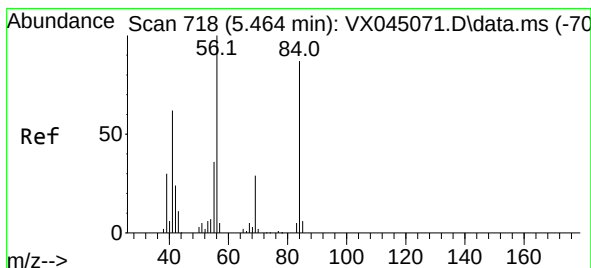
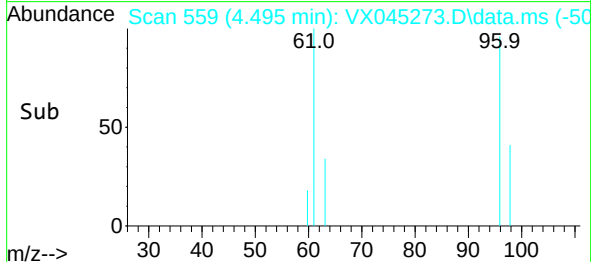
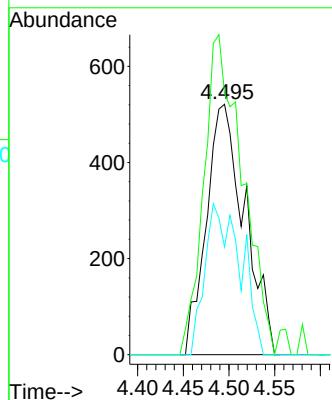
Tgt Ion: 96 Resp: 1527

Ion Ratio Lower Upper

96 100

61 128.0 0.0 283.2

98 56.0 0.0 128.0



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

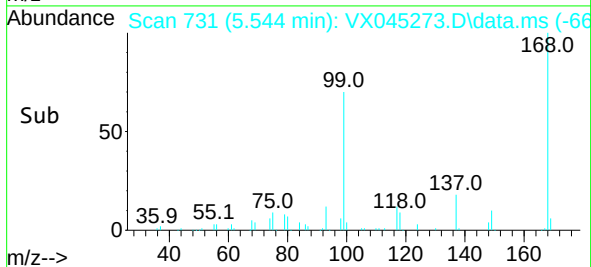
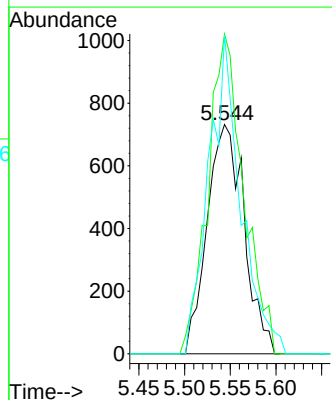
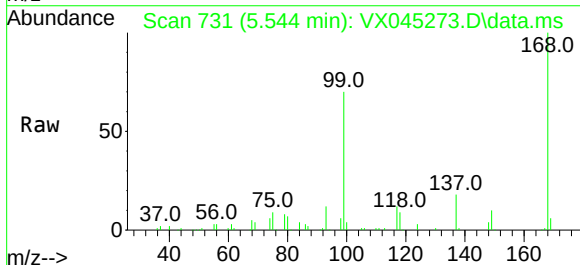
Tgt Ion: 56 Resp: 2063

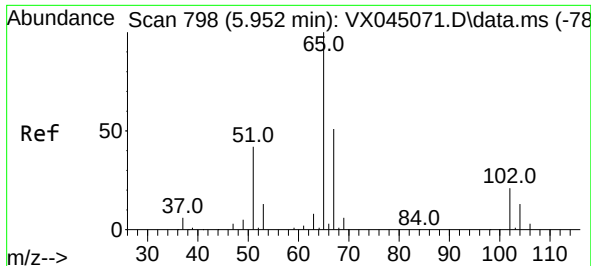
Ion Ratio Lower Upper

56 100

69 139.5 23.4 35.2#

84 139.1 69.4 104.2#

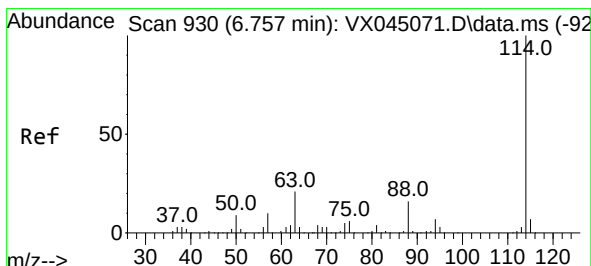
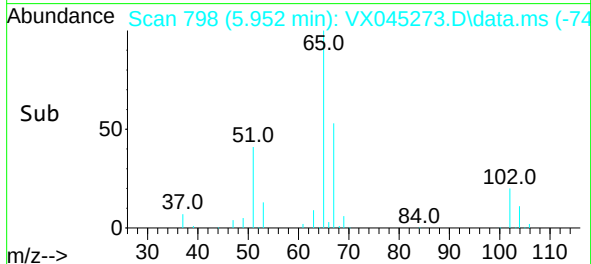
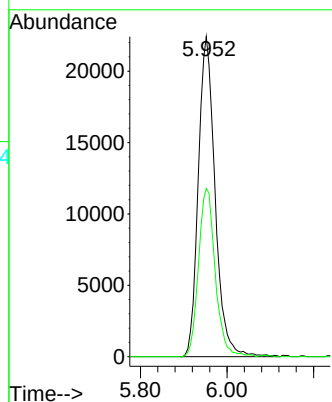
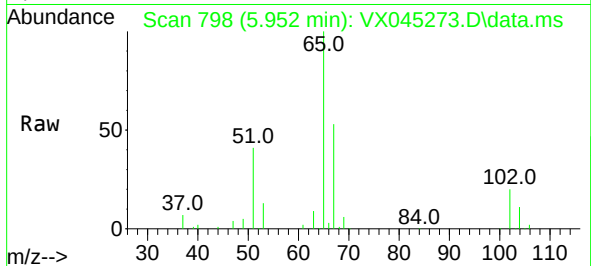




#33
 1,2-Dichloroethane-d4
 Concen: 54.856 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045273.D
 Acq: 13 Mar 2025 16:43

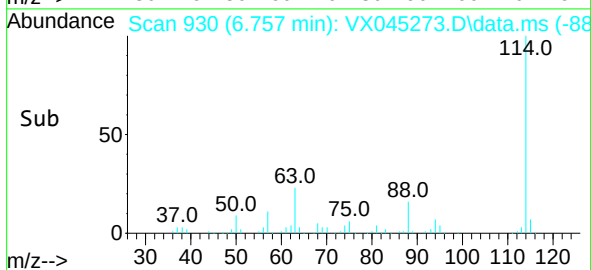
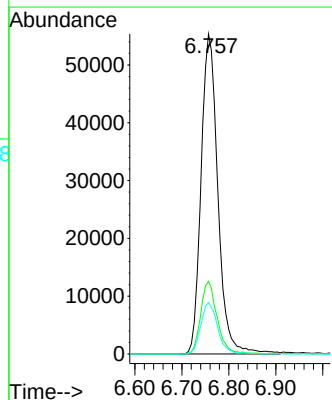
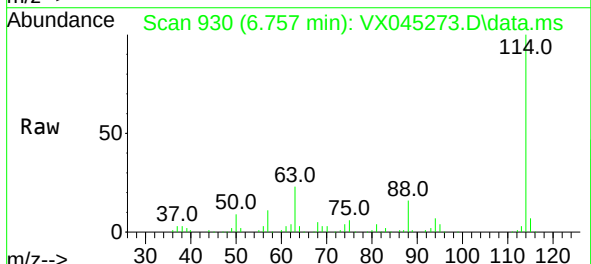
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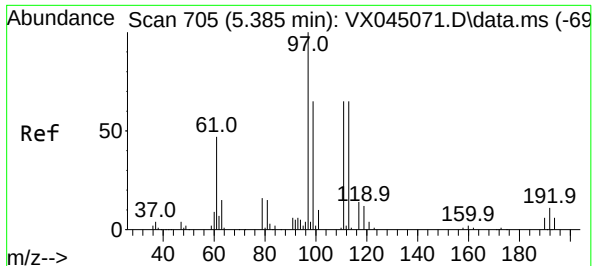
Tgt Ion: 65 Resp: 60400
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045273.D
 Acq: 13 Mar 2025 16:43

Tgt Ion: 114 Resp: 137405
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 41.8
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.870 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045273.D

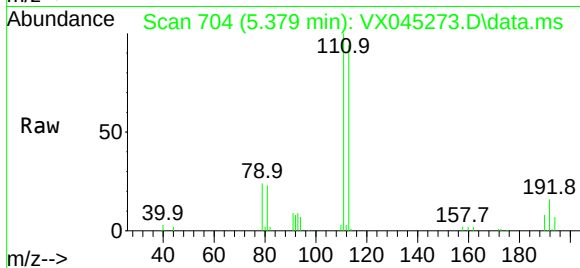
Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310



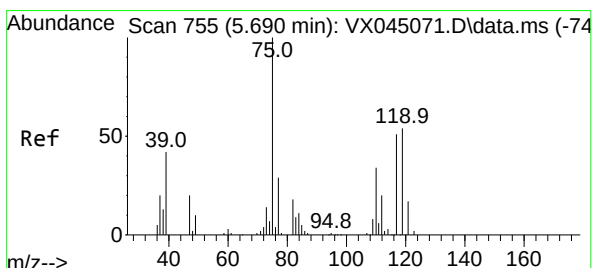
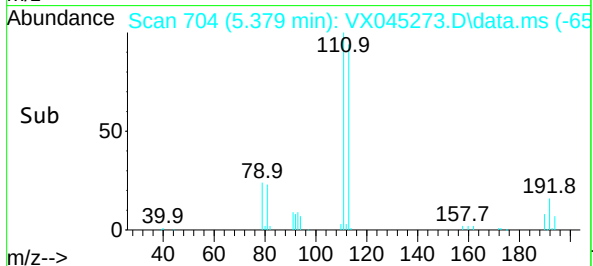
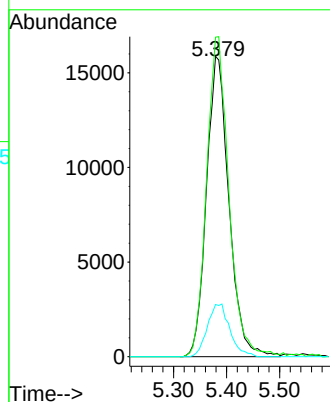
Tgt Ion:113 Resp: 46739

Ion Ratio Lower Upper

113 100

111 105.7 81.8 122.6

192 17.5 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.963 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.153 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

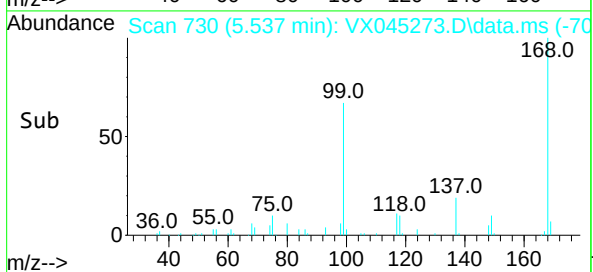
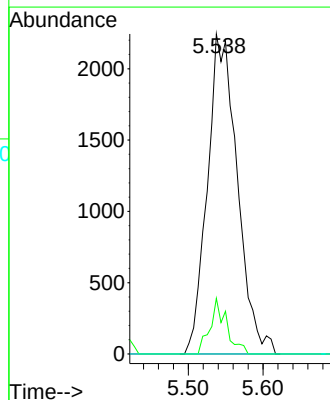
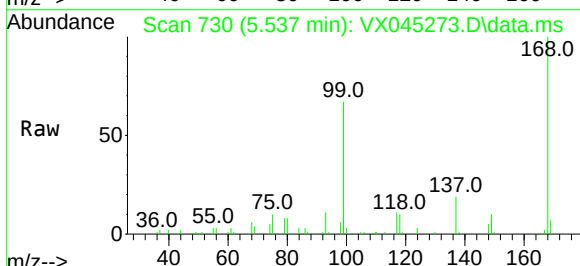
Tgt Ion: 75 Resp: 6253

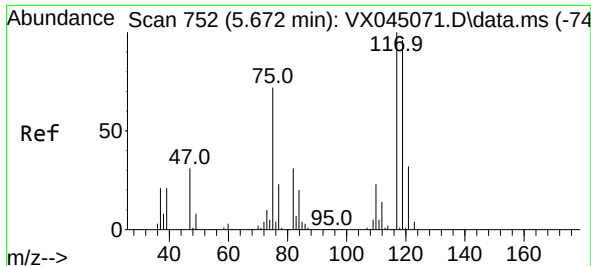
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

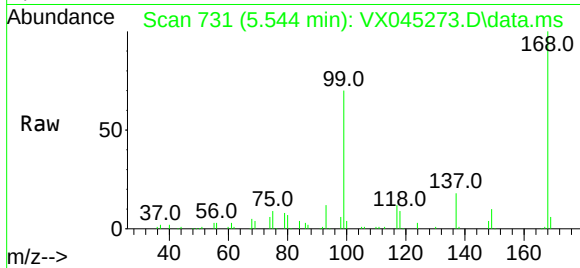
77 0.0 24.5 36.7#



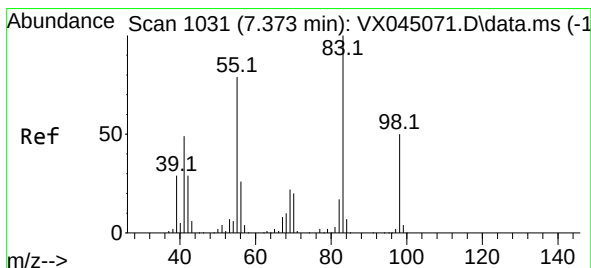
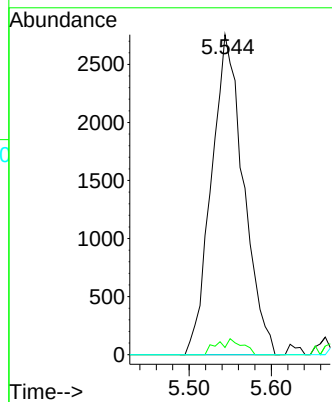
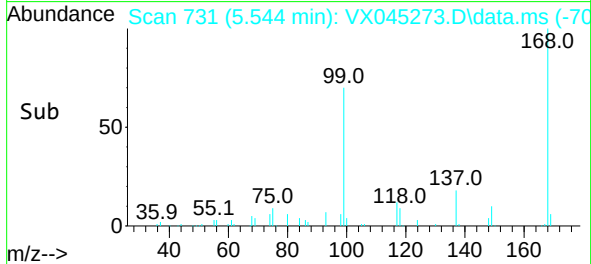


#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

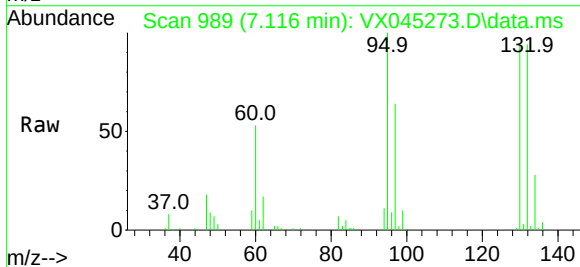
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310



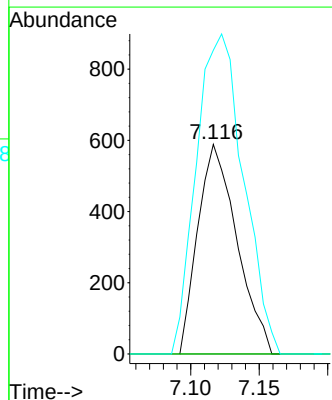
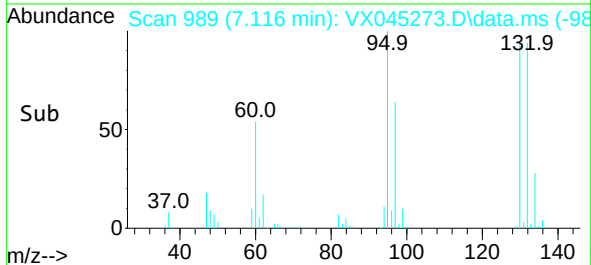
Tgt Ion:117 Resp: 7475
Ion Ratio Lower Upper
117 100
119 2.2 76.7 115.1#
121 0.0 25.5 38.3#

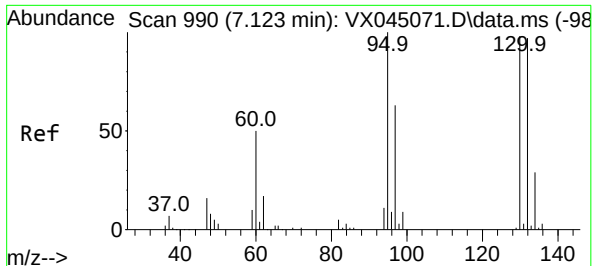


#39
Methylcyclohexane
Concen: 0.775 ug/l
RT: 7.116 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43



Tgt Ion: 83 Resp: 1170
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 144.8 39.7 59.5#

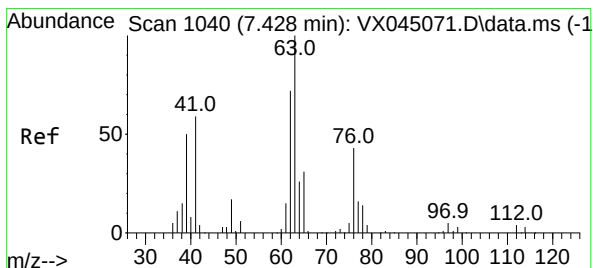
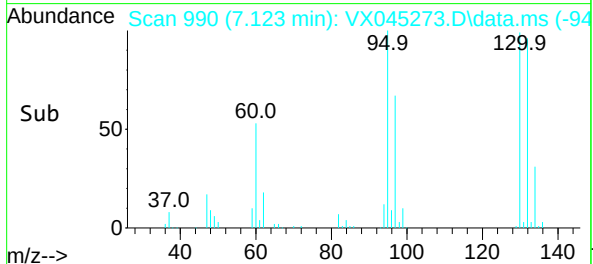
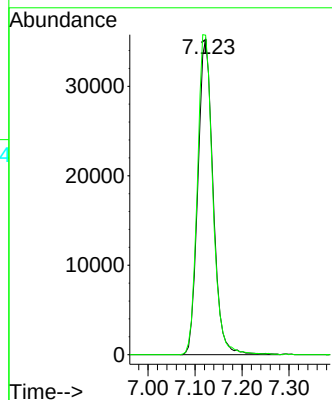
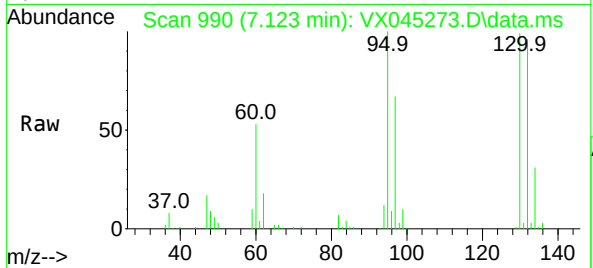




#44
Trichloroethene
Concen: 84.919 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

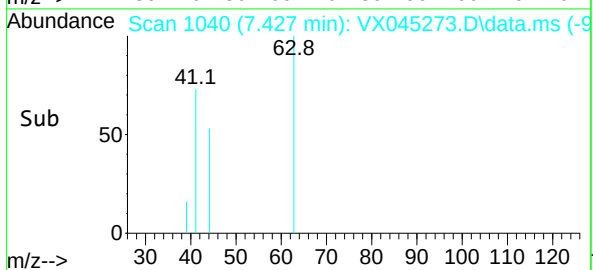
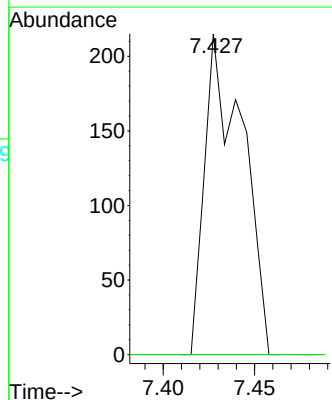
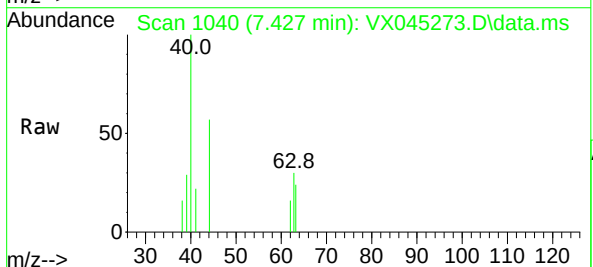
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

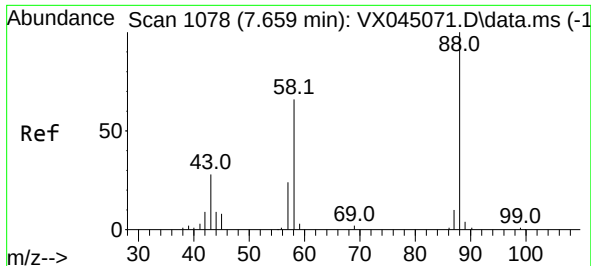
Tgt Ion:130 Resp: 79338
Ion Ratio Lower Upper
130 100
95 101.4 0.0 205.0



#45
1,2-Dichloropropane
Concen: 0.304 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 63 Resp: 311
Ion Ratio Lower Upper
63 100
65 0.0 24.7 37.1#





#49

1,4-Dioxane

Concen: 4.015 ug/l

RT: 7.690 min Scan# 1078

Delta R.T. 0.030 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310

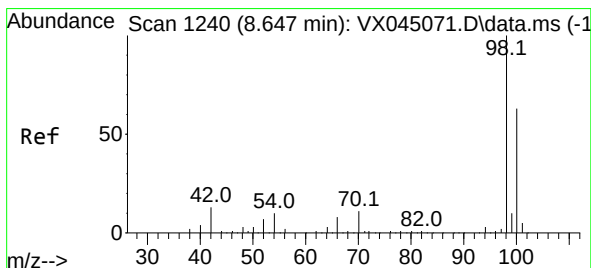
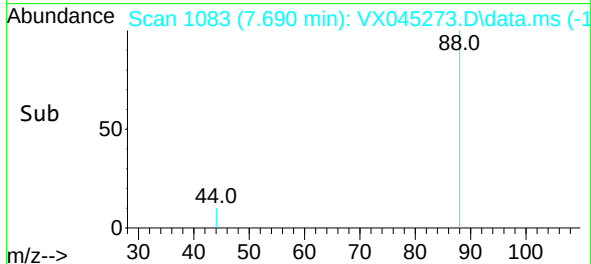
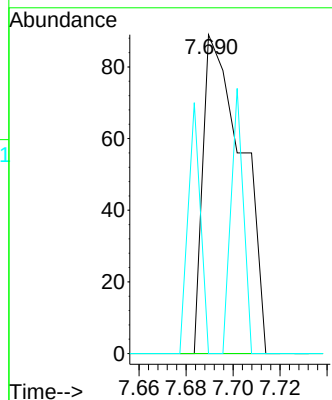
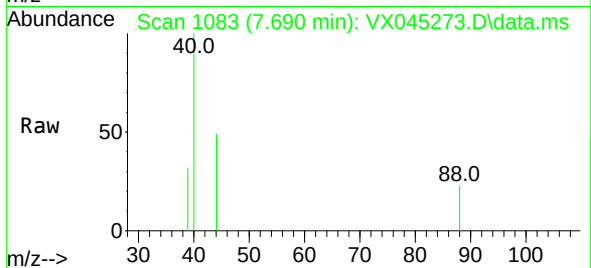
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 25.5 55.8 83.8#



#50

Toluene-d8

Concen: 50.664 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045273.D

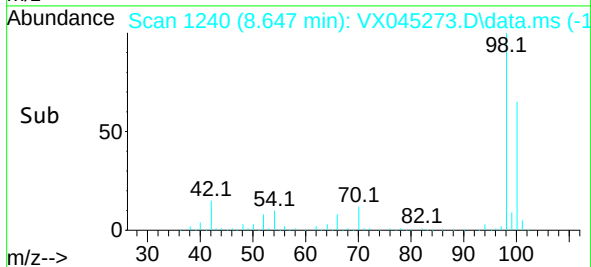
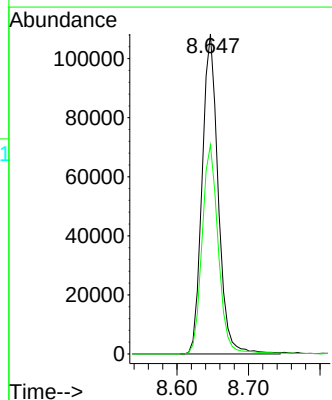
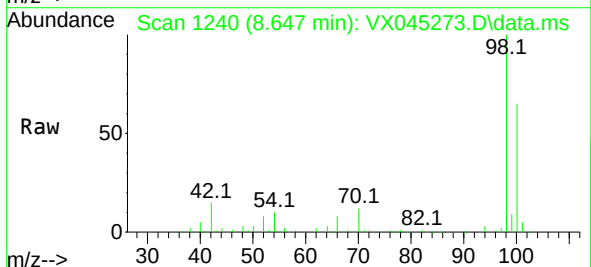
Acq: 13 Mar 2025 16:43

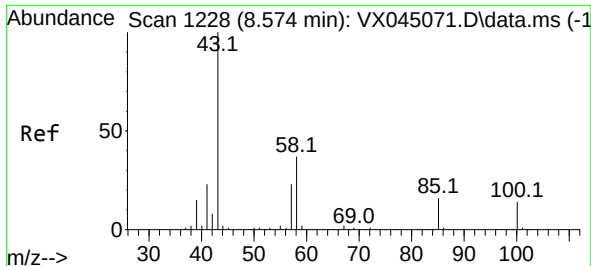
Tgt Ion: 98 Resp: 168759

Ion Ratio Lower Upper

98 100

100 66.1 52.0 78.0

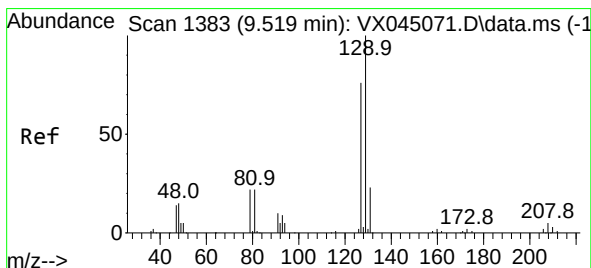
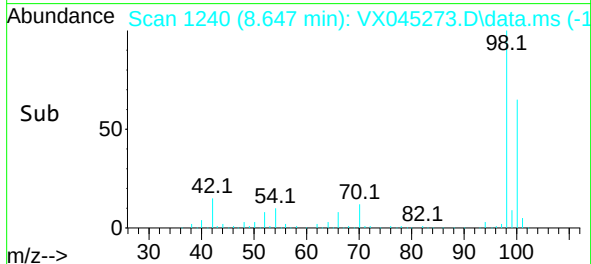
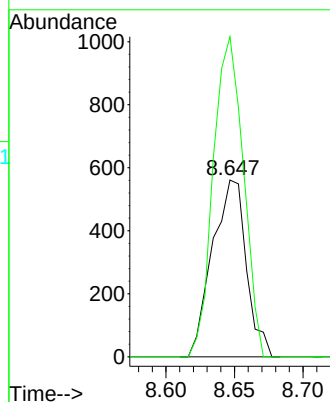
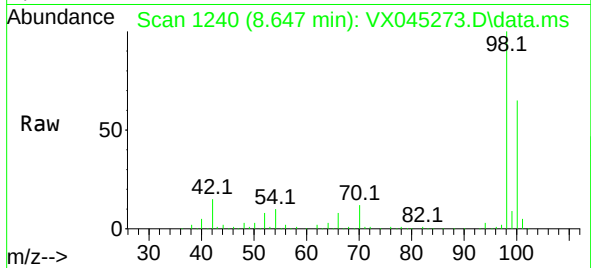




#51
4-Methyl-2-Pentanone
Concen: 0.599 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

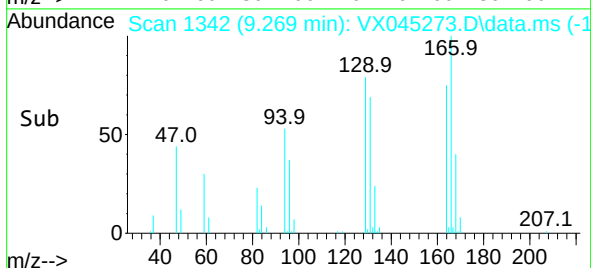
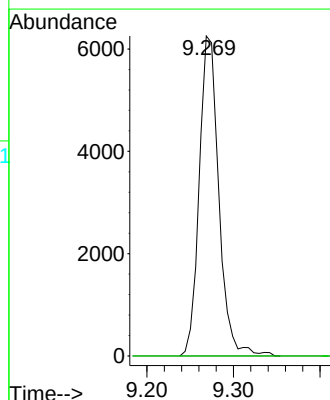
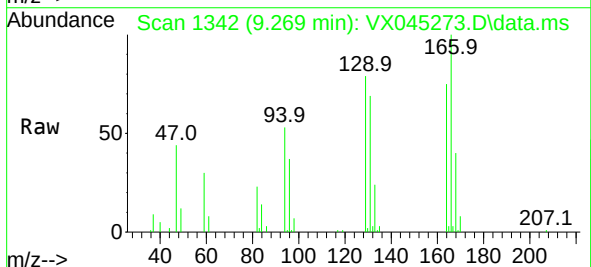
Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

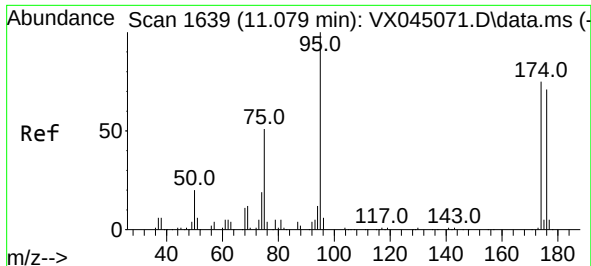
Tgt Ion: 43 Resp: 965
Ion Ratio Lower Upper
43 100
58 160.9 29.2 43.8#



#60
Dibromochloromethane
Concen: 9.793 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 129 Resp: 9841
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 52.806 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :

RE125D3-20250310

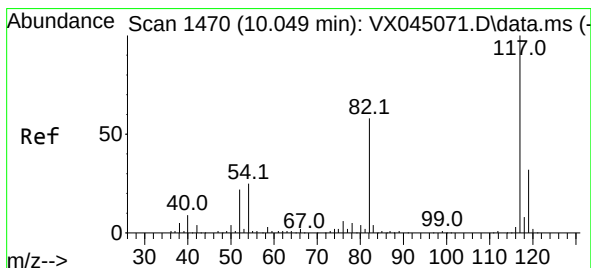
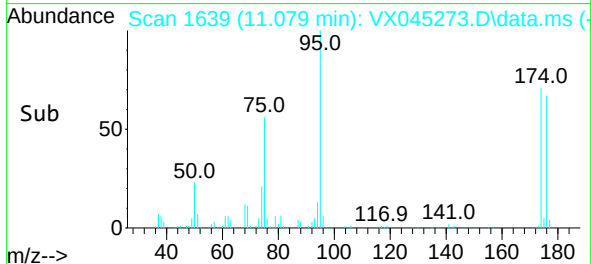
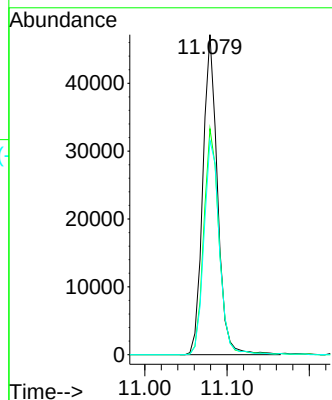
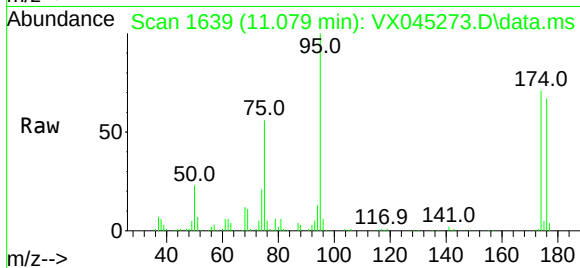
Tgt Ion: 95 Resp: 58286

Ion Ratio Lower Upper

95 100

174 73.7 0.0 148.2

176 70.7 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: VX045273.D

Acq: 13 Mar 2025 16:43

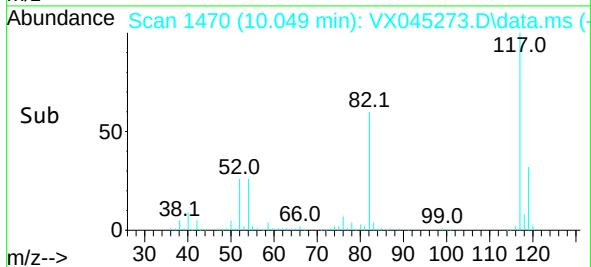
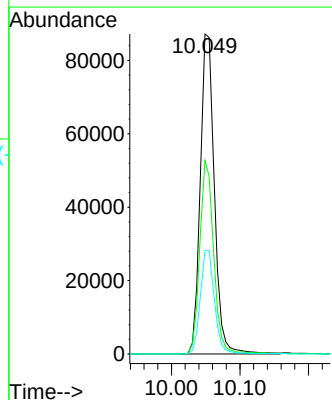
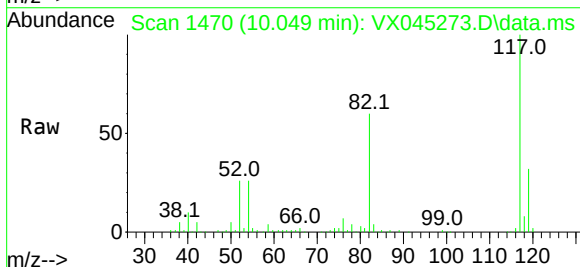
Tgt Ion: 117 Resp: 125442

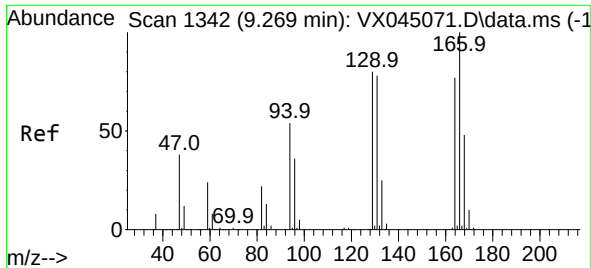
Ion Ratio Lower Upper

117 100

82 60.5 46.3 69.5

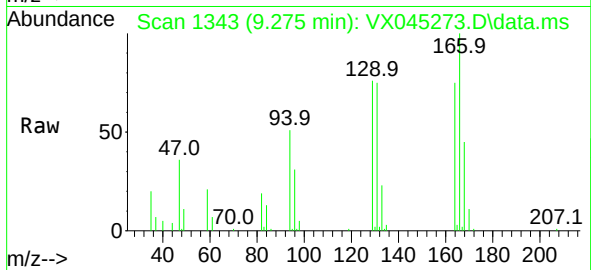
119 32.3 25.7 38.5





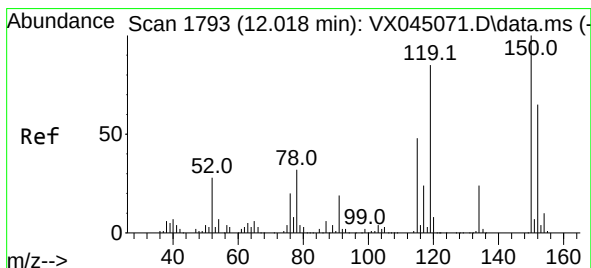
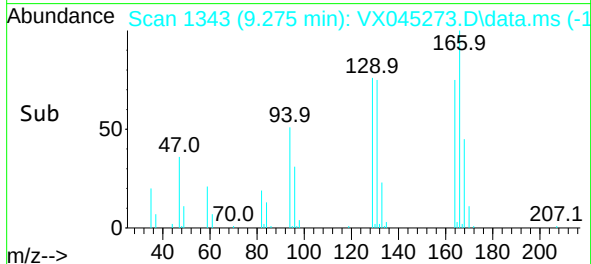
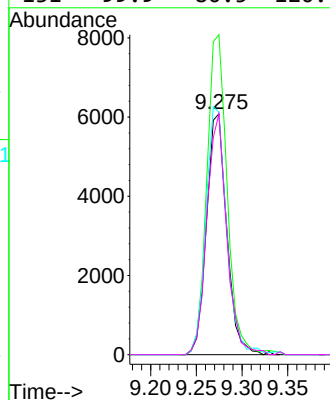
#64
Tetrachloroethene
Concen: 11.634 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310



Tgt Ion:164 Resp: 9347

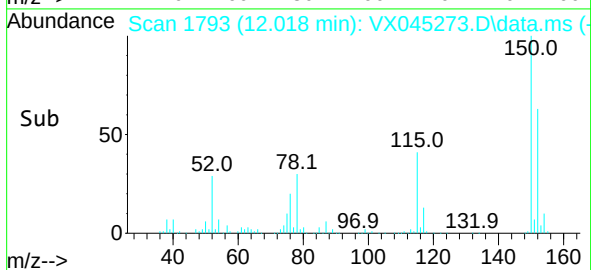
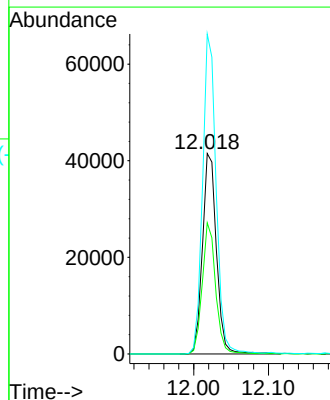
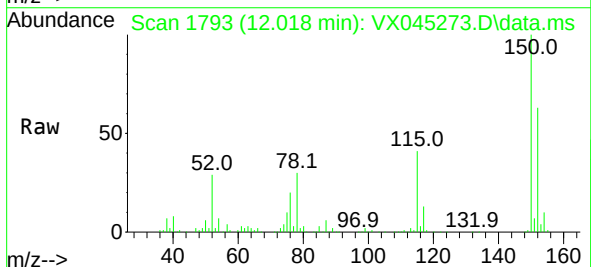
Ion	Ratio	Lower	Upper
164	100		
166	132.8	103.6	155.4
129	100.6	82.7	124.1
131	99.9	80.5	120.7

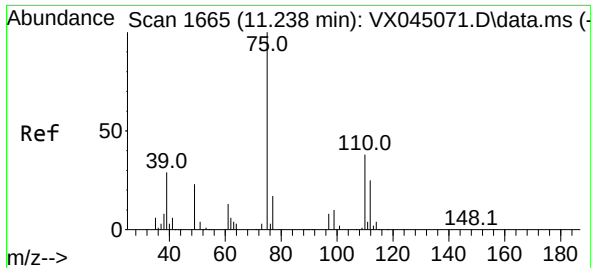


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion:152 Resp: 54042

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.2	132.6
150	154.2	0.0	349.0

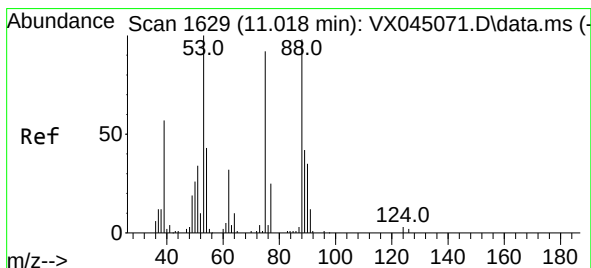
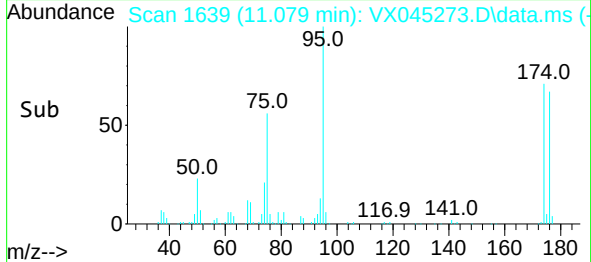
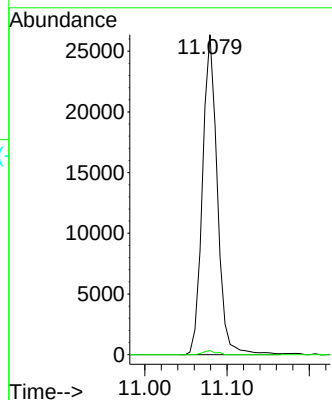
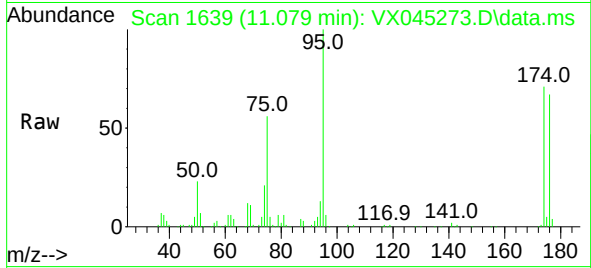




#76
1,2,3-Trichloropropane
Concen: 26.275 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :
RE125D3-20250310

Tgt Ion: 75 Resp: 33049
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.916 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Tgt Ion: 75 Resp: 33049
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

