

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 :

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)

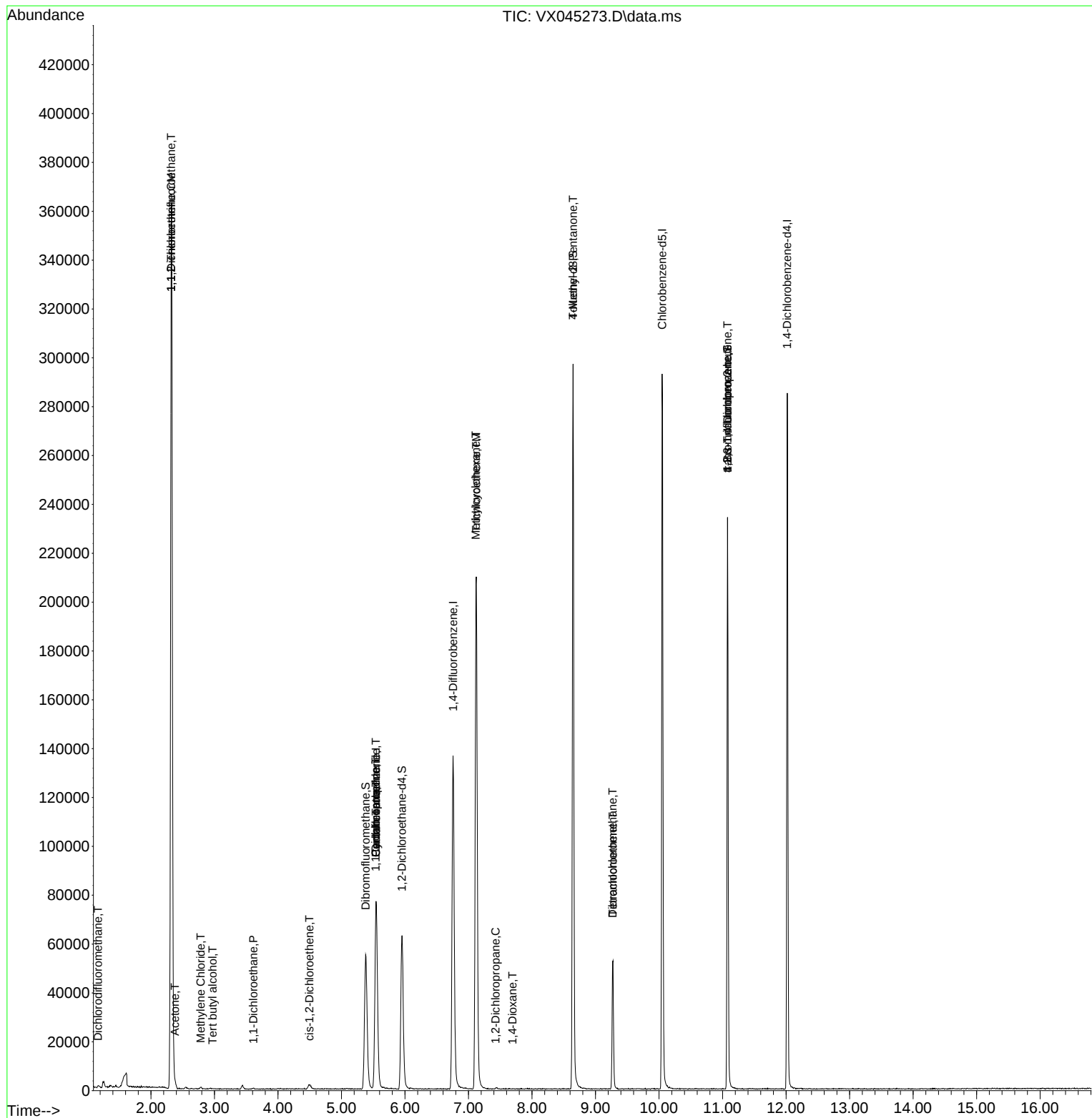
Internal Standards						
1) Pentafluorobenzene	5.544	168	69221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137405	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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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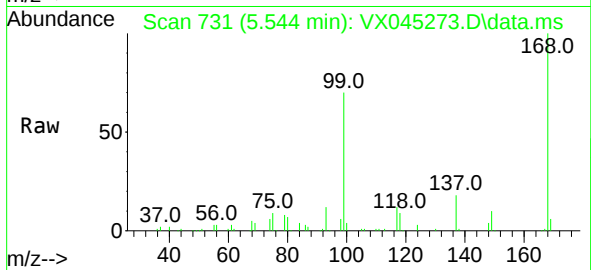
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



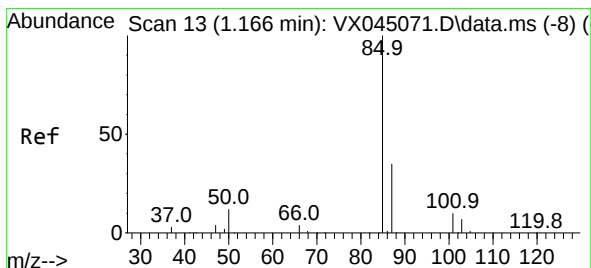
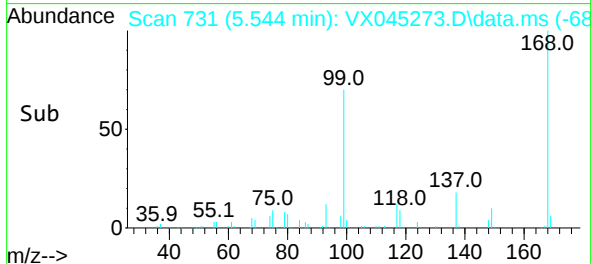
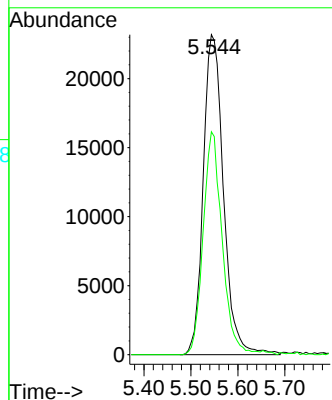


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :

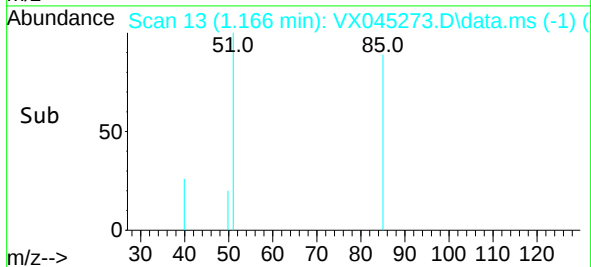
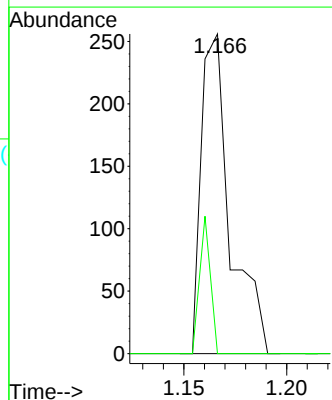
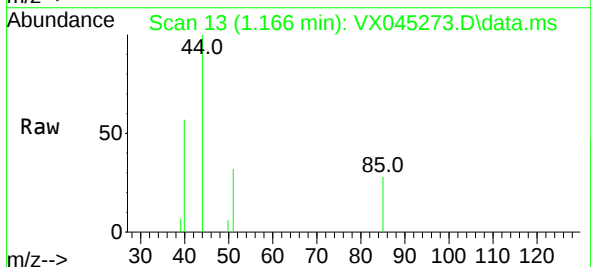


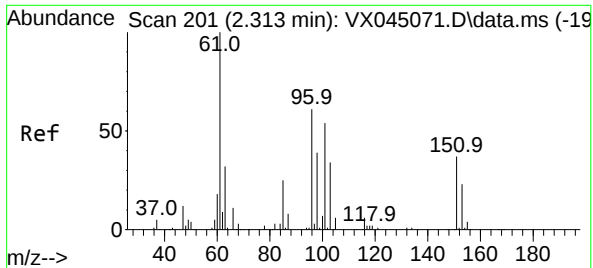
Tgt Ion:168 Resp: 69221
Ion Ratio Lower Upper
168 100
99 69.7 48.2 72.4



#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#

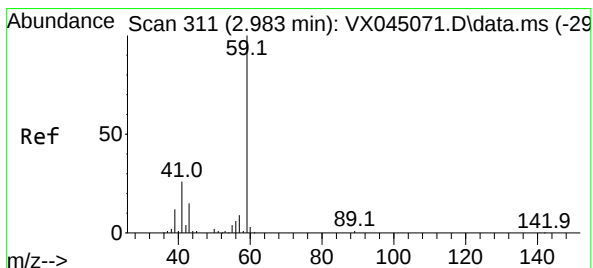
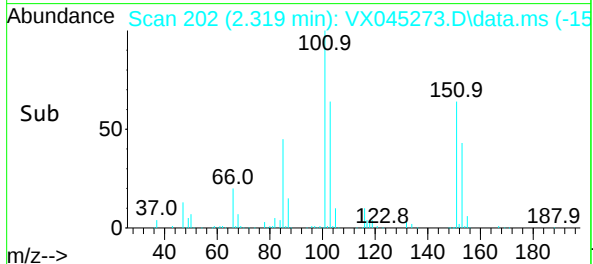
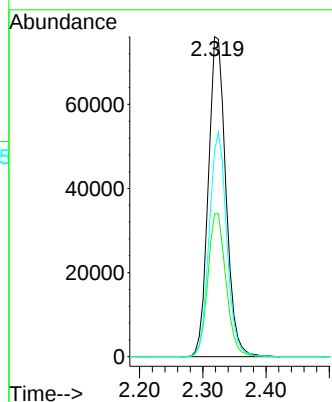
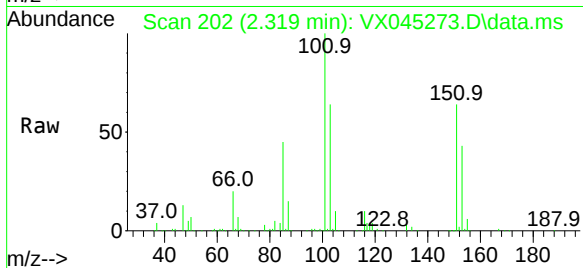




#9
1,1,2-Trichlorotrifluoroethane
Concen: 182.665 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

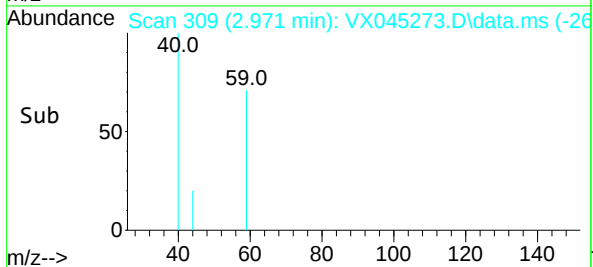
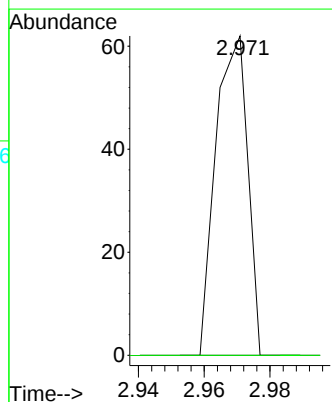
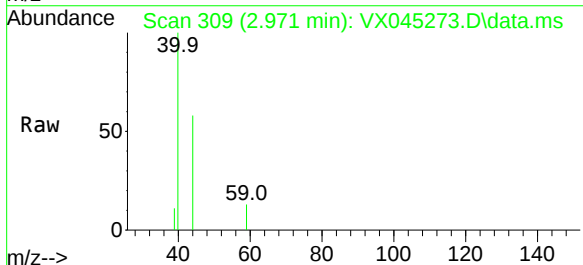
Instrument :
MSVOA_X
ClientSampleId :

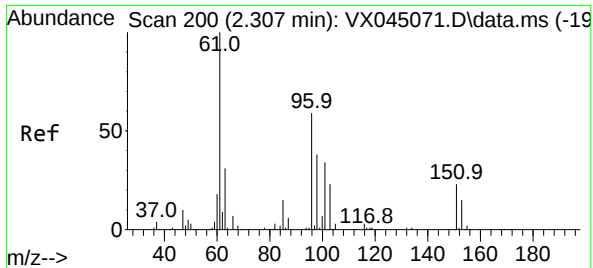
Tgt Ion:101 Resp: 146958
Ion Ratio Lower Upper
101 100
85 46.2 36.2 54.4
151 69.9 56.4 84.6



#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#

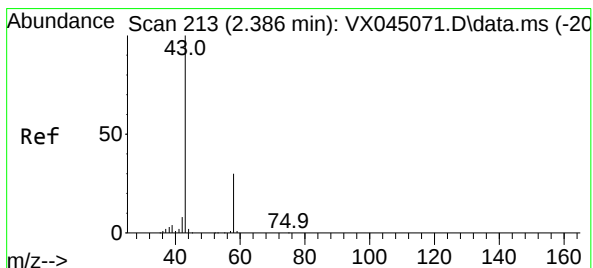
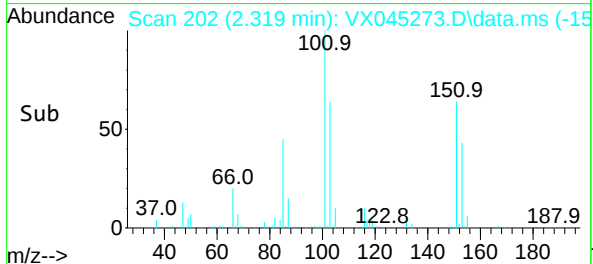
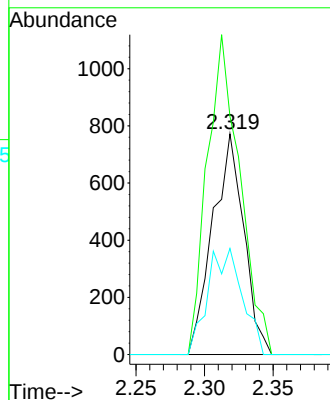
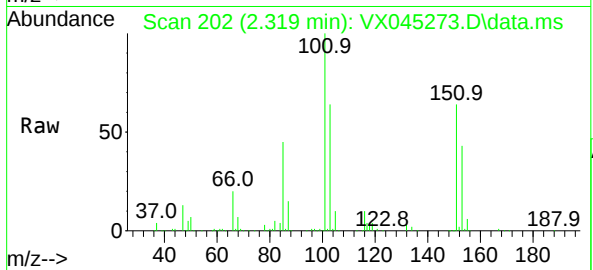




#12
 1,1-Dichloroethene
 Concen: 1.434 ug/l
 RT: 2.319 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VX045273.D
 Acq: 13 Mar 2025 16:43

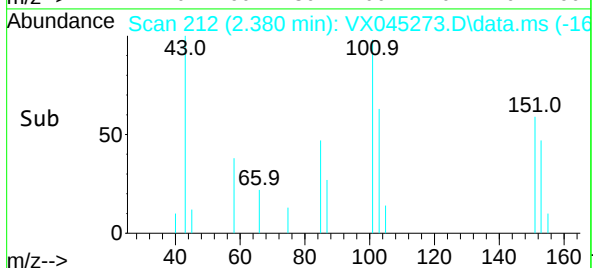
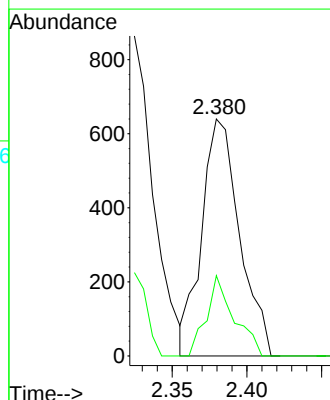
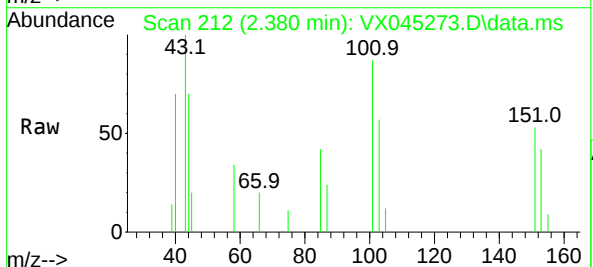
Instrument :
 MSVOA_X
 ClientSampleId :

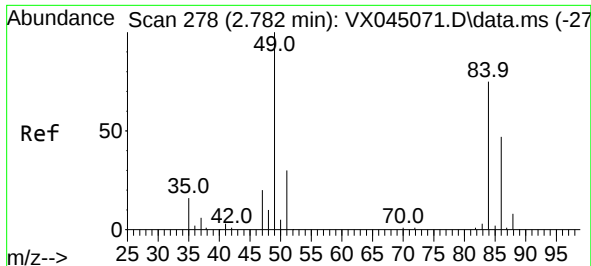
Tgt Ion: 96 Resp: 1220
 Ion Ratio Lower Upper
 96 100
 61 107.9 134.6 202.0#
 98 48.1 51.0 76.6#



#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

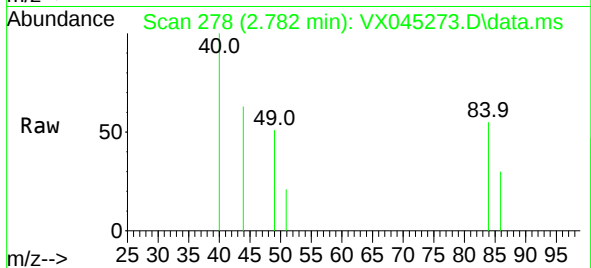
Tgt Ion: 43 Resp: 1128
 Ion Ratio Lower Upper
 43 100
 58 33.9 24.2 36.4



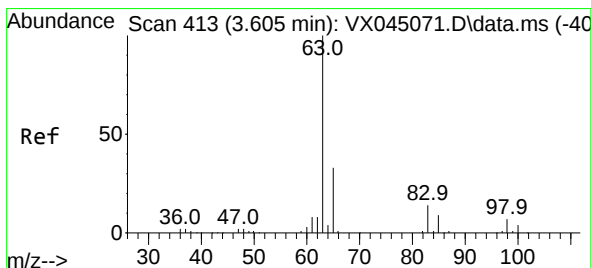
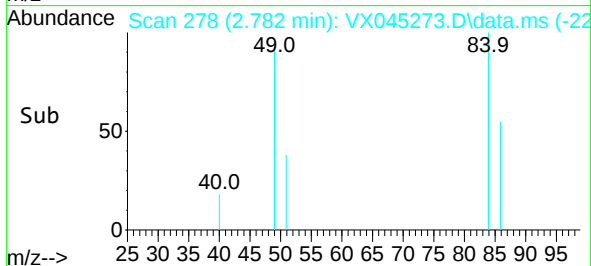
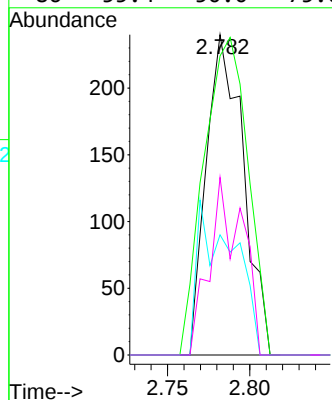


#20
Methylene Chloride
Concen: 0.371 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :

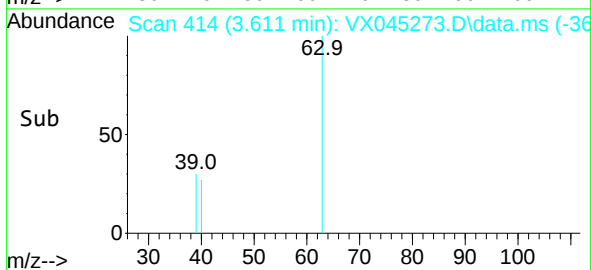
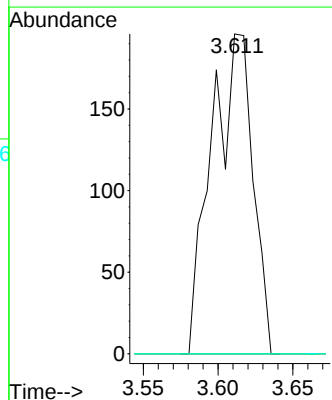
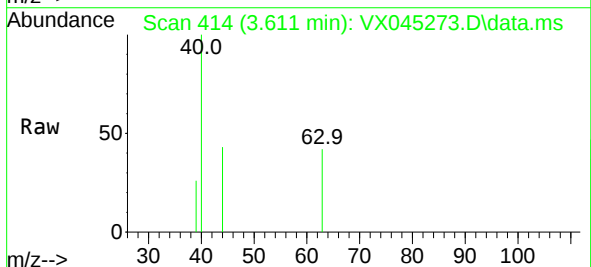


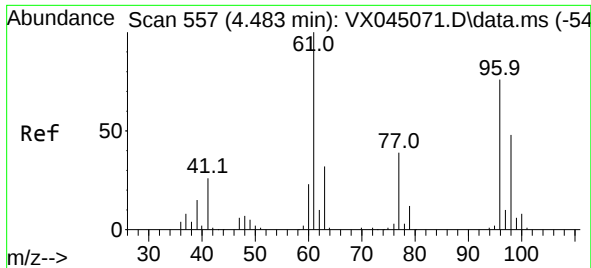
Tgt Ion:	84	Resp:	375
Ion	Ratio	Lower	Upper
84	100		
49	93.3	106.5	159.7#
51	37.5	32.1	48.1
86	55.4	50.0	75.0



#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

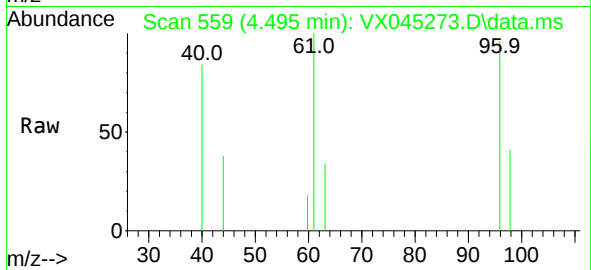
Tgt Ion:	63	Resp:	375
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.1	6.5#



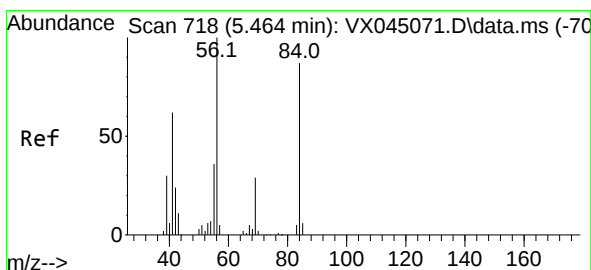
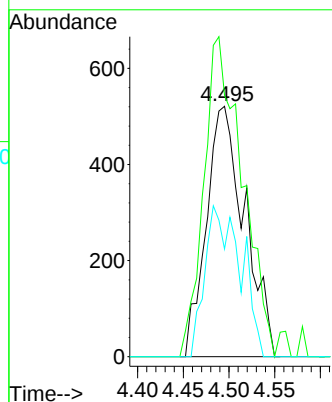


#27
 cis-1,2-Dichloroethene
 Concen: 1.472 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.012 min
 Lab File: VX045273.D
 Acq: 13 Mar 2025 16:43

Instrument :
 MSVOA_X
 ClientSampleId :

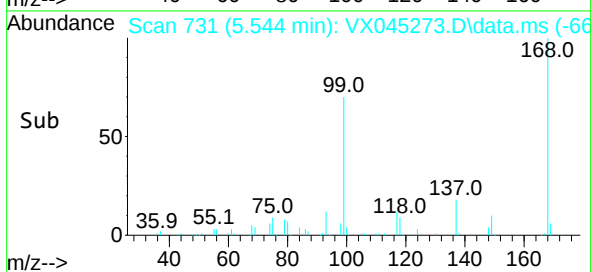
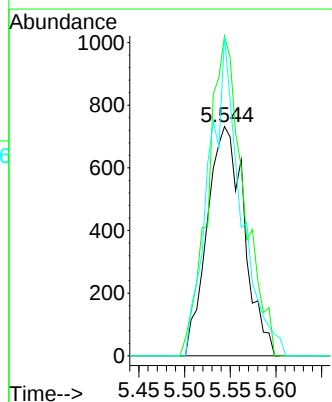
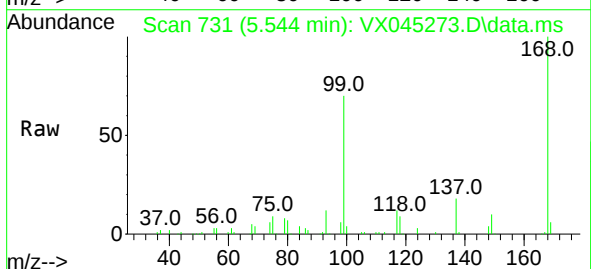


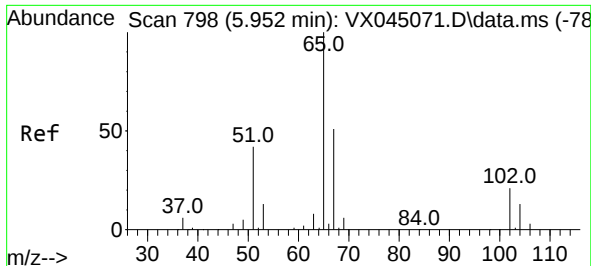
Tgt Ion:	96	Resp:	1527
Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	283.2
98	56.0	0.0	128.0



#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#

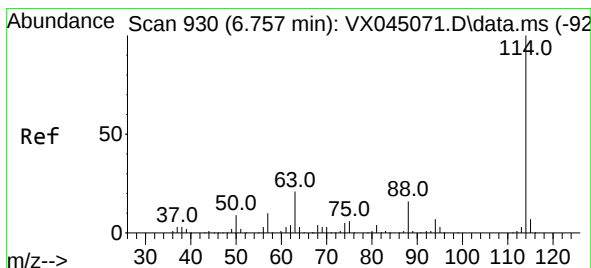
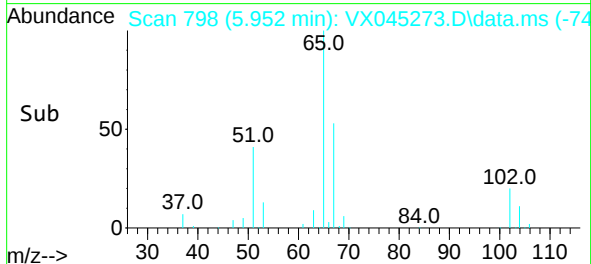
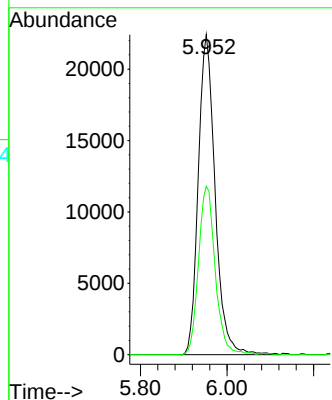
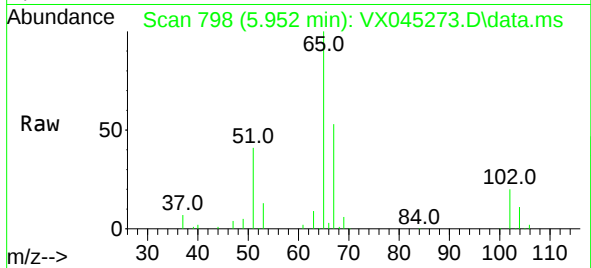




#33
 1,2-Dichloroethane-d4
 Concen: 54.856 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045273.D
 Acq: 13 Mar 2025 16:43

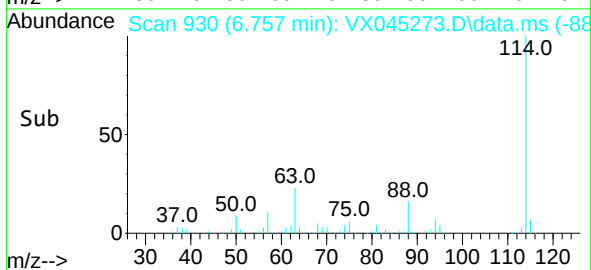
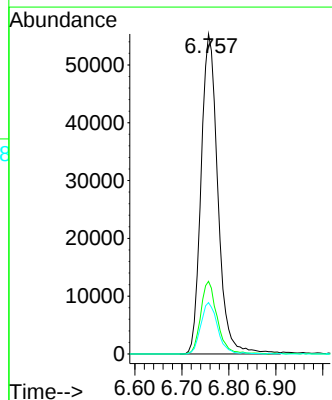
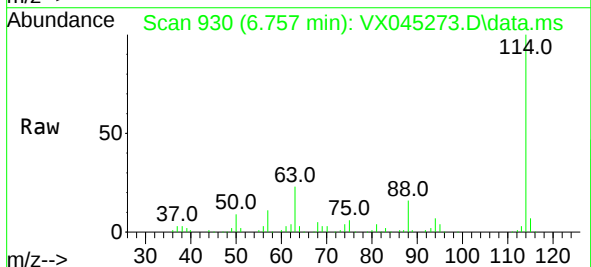
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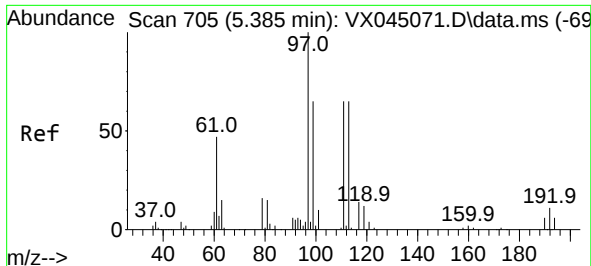
Tgt Ion: 65 Resp: 60400
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 106.2



#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

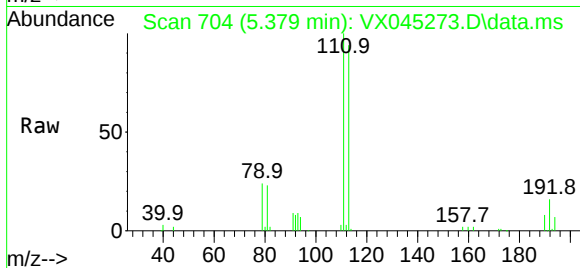
Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

ClientSampleId :



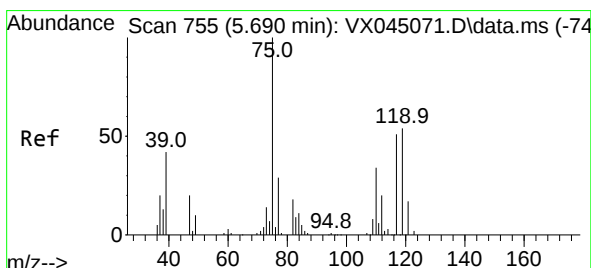
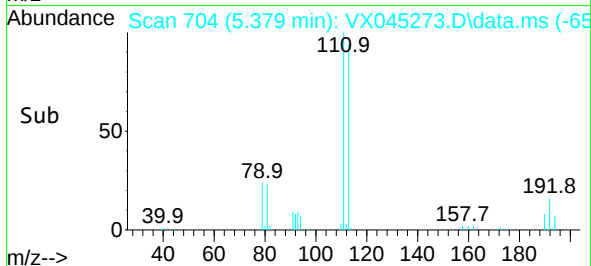
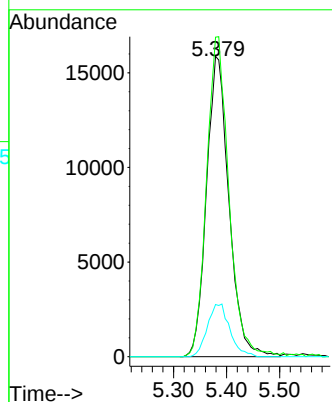
Tgt Ion:113 Resp: 46739

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

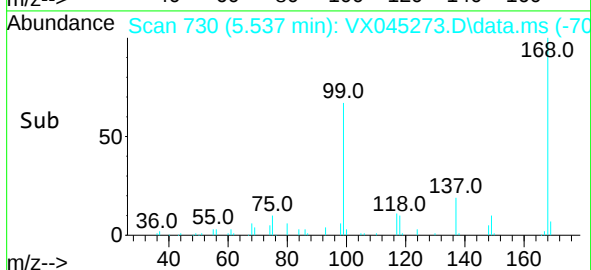
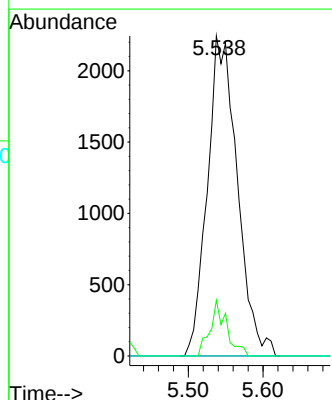
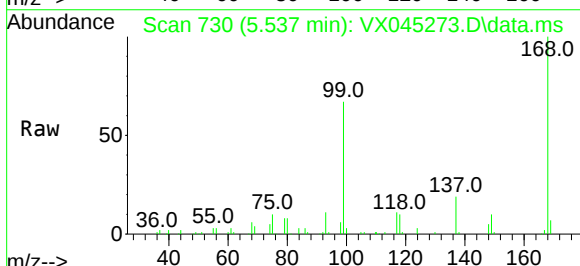
Tgt Ion: 75 Resp: 6253

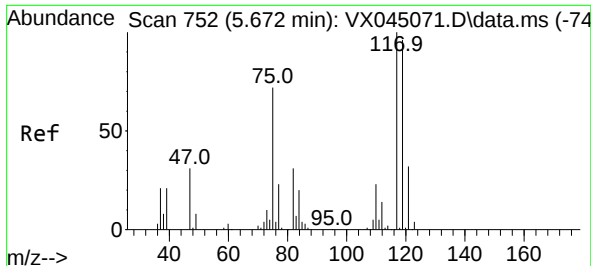
Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

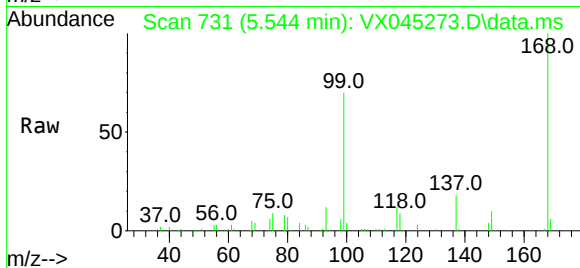
77 0.0 24.5 36.7#



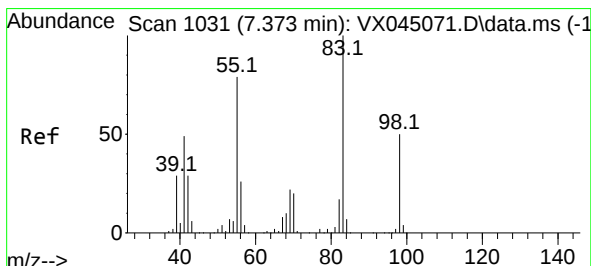
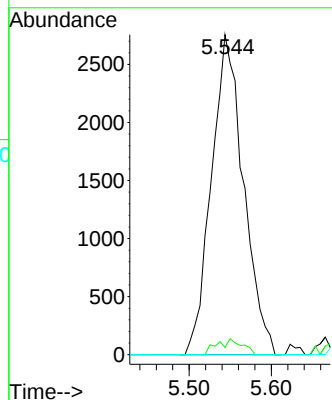
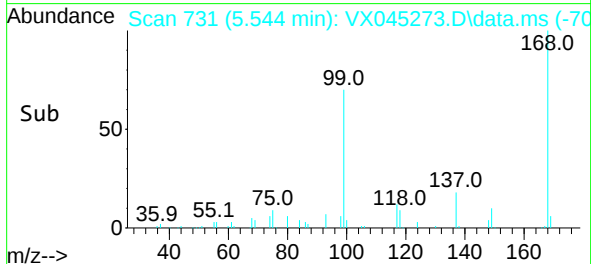


#38
Carbon Tetrachloride
Concen: 5.843 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :

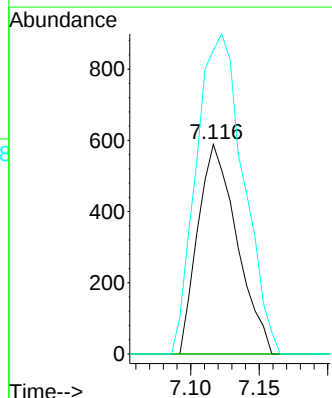
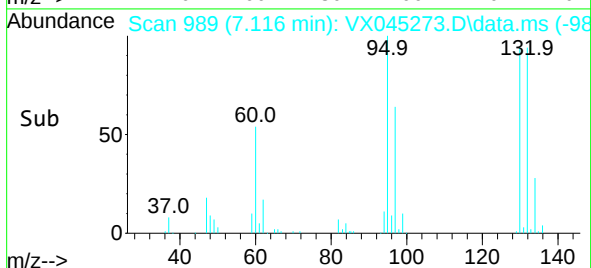
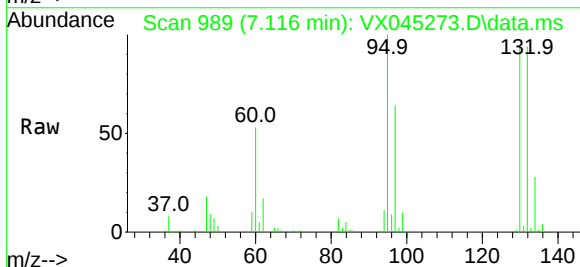


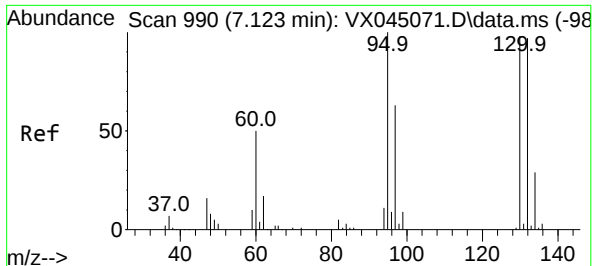
Tgt Ion:117 Resp: 7475
Ion Ratio Lower Upper
117 100
119 2.2 76.7 115.1#
121 0.0 25.5 38.3#



#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#

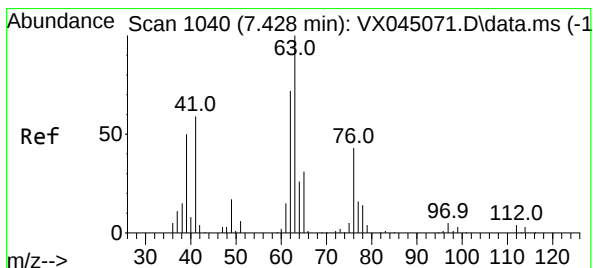
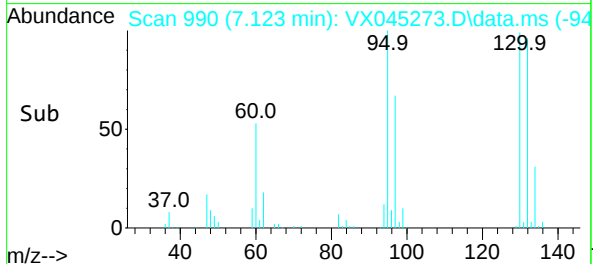
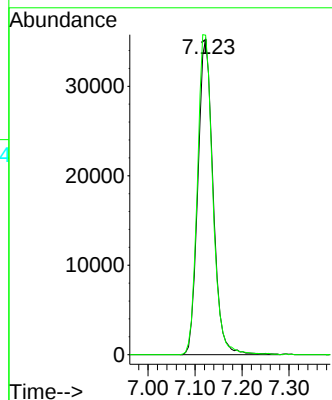
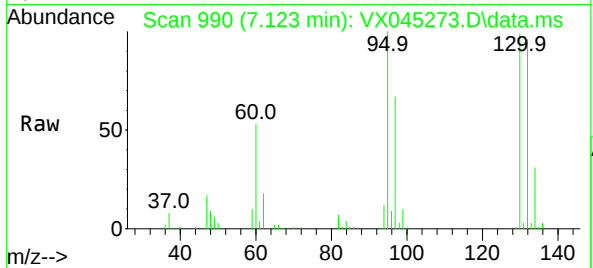




#44
Trichloroethene
Concen: 84.919 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

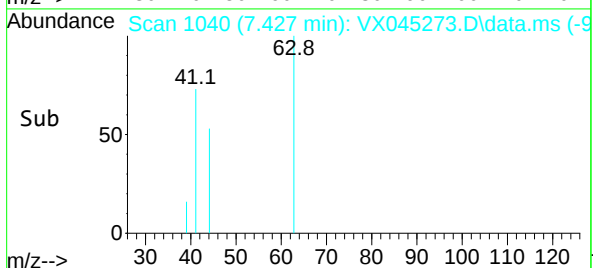
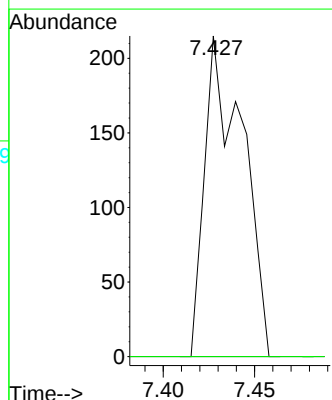
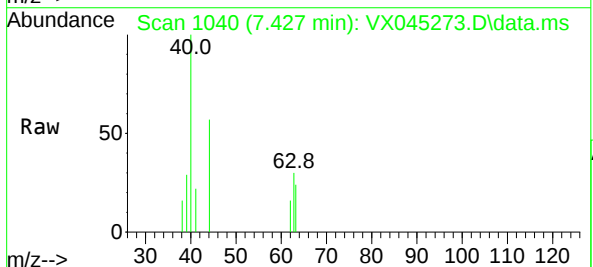
Instrument :
MSVOA_X
ClientSampleId :

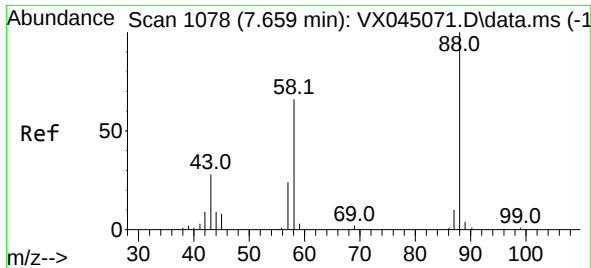
Tgt Ion:130 Resp: 79338
Ion Ratio Lower Upper
130 100
95 101.4 0.0 205.0



#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#

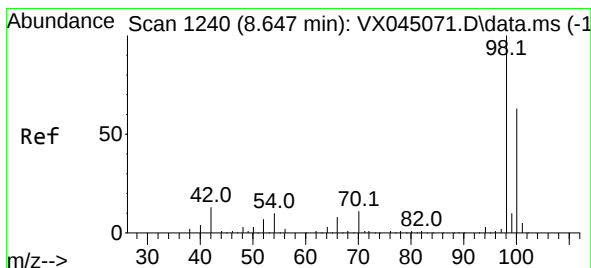
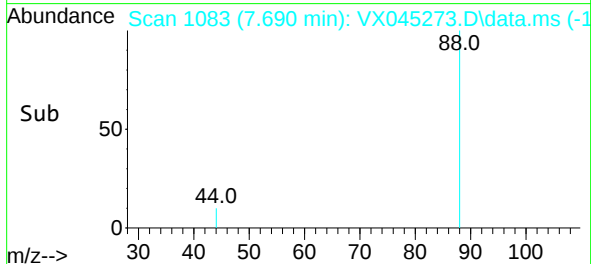
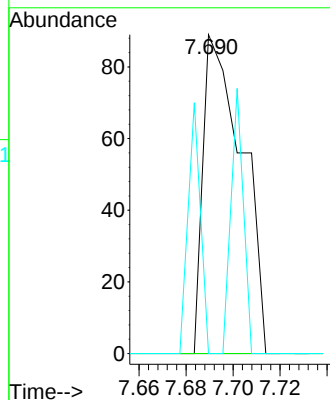
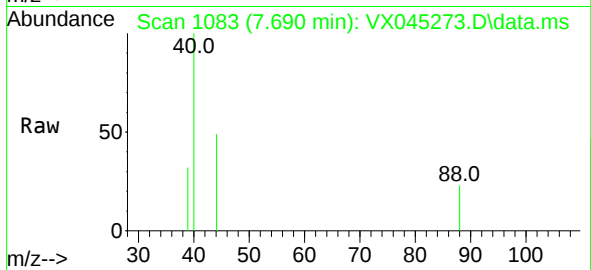




#49
1,4-Dioxane
Concen: 4.015 ug/l
RT: 7.690 min Scan# 1078
Delta R.T. 0.030 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

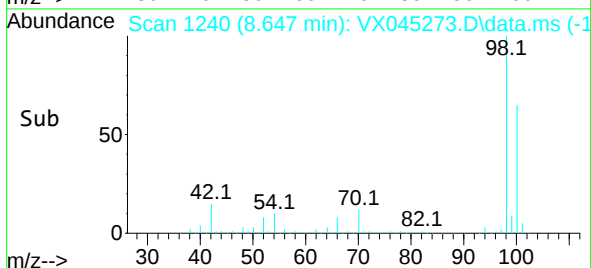
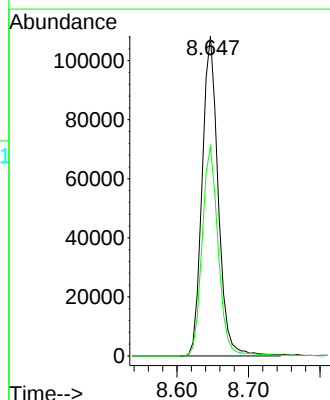
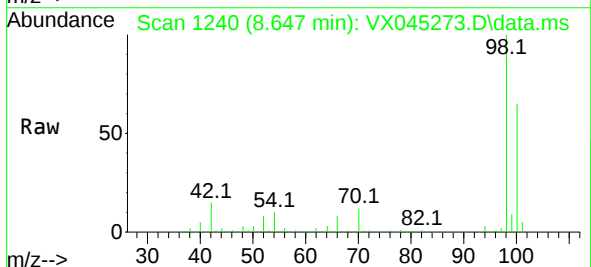
Instrument :
MSVOA_X
ClientSampleId :

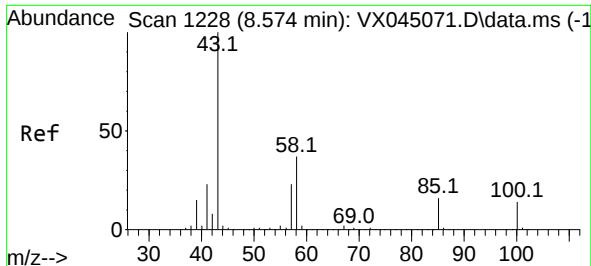
Tgt Ion: 88 Resp: 102
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 25.5 55.8 83.8#



#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

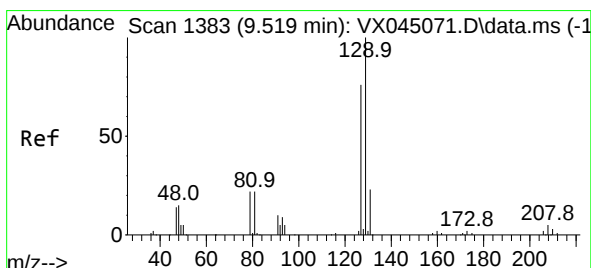
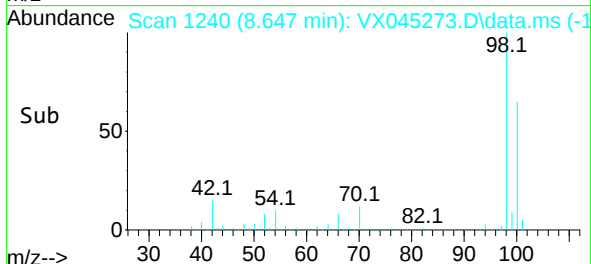
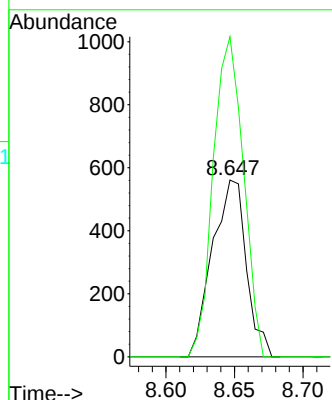
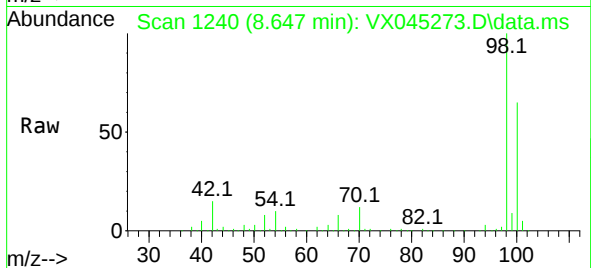
ClientSampleId :

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

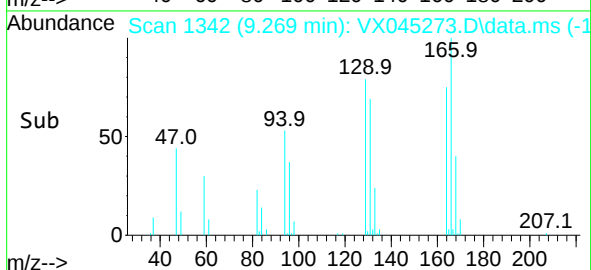
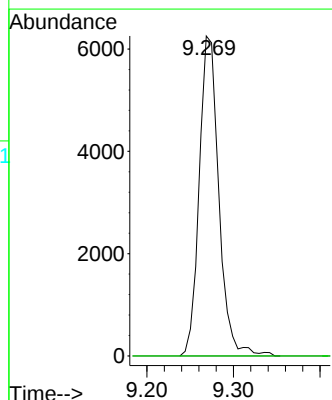
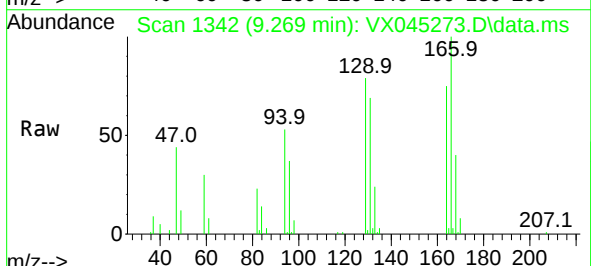
Acq: 13 Mar 2025 16:43

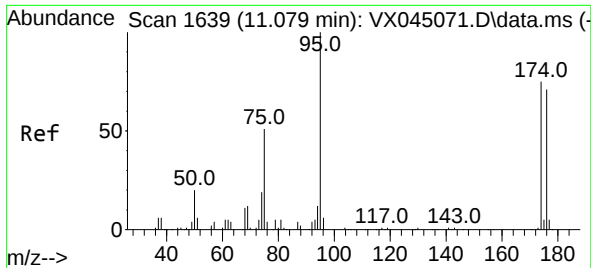
Tgt Ion: 129 Resp: 9841

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

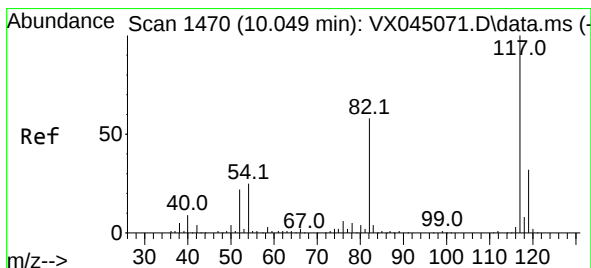
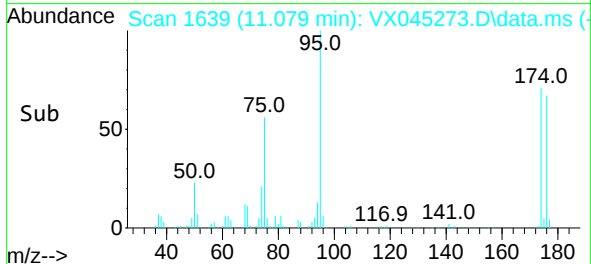
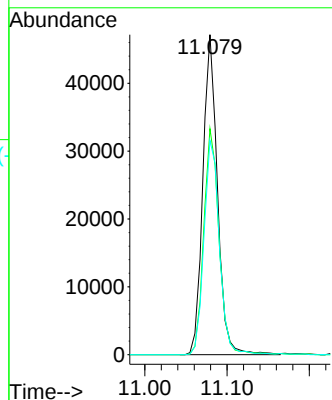
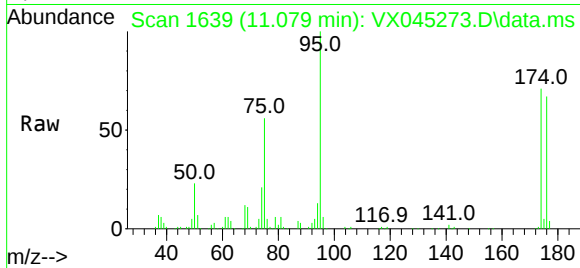




#62
4-Bromofluorobenzene
Concen: 52.806 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

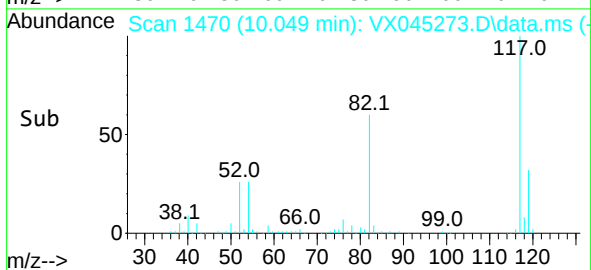
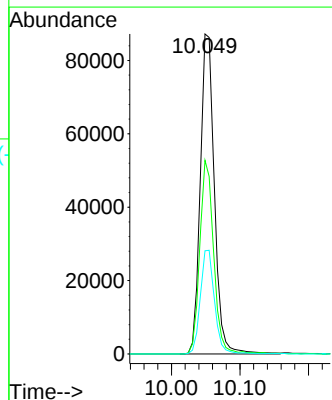
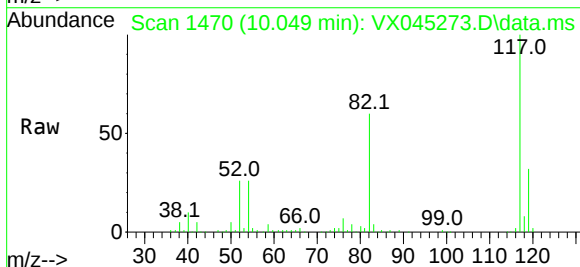
Instrument :
MSVOA_X
ClientSampleId :

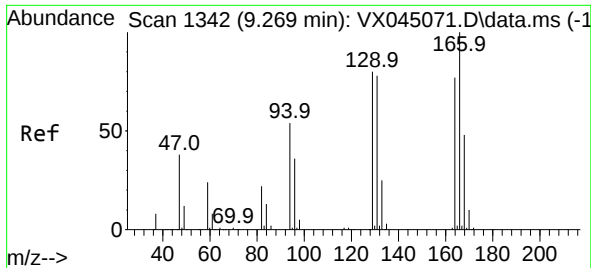
Tgt Ion: 95 Resp: 58286
Ion Ratio Lower Upper
95 100
174 73.7 0.0 148.2
176 70.7 0.0 141.4



#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

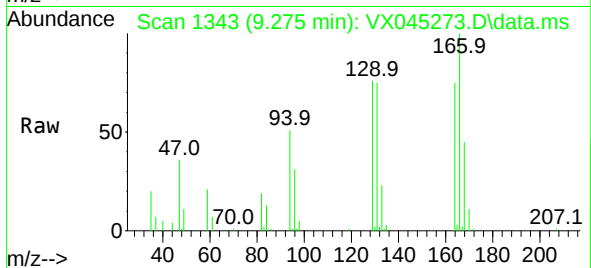
Tgt Ion: 117 Resp: 125442
Ion Ratio Lower Upper
117 100
82 60.5 46.3 69.5
119 32.3 25.7 38.5



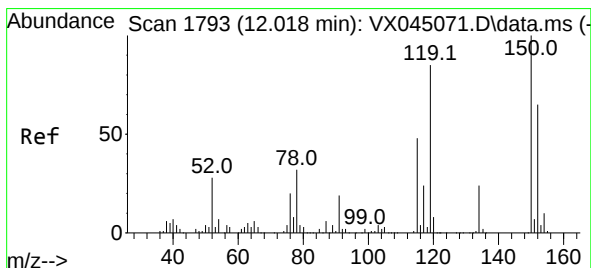
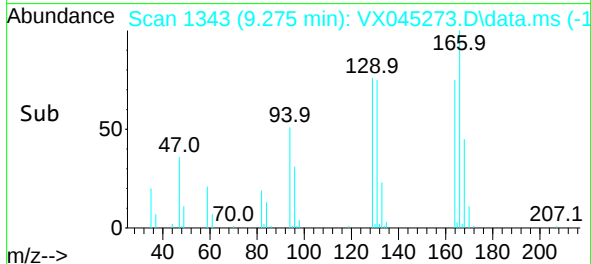
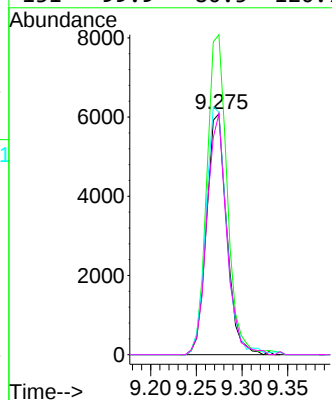


#64
Tetrachloroethene
Concen: 11.634 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045273.D
Acq: 13 Mar 2025 16:43

Instrument :
MSVOA_X
ClientSampleId :

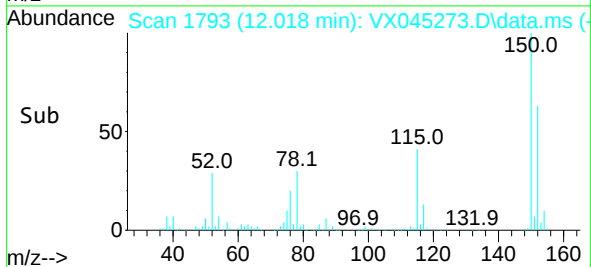
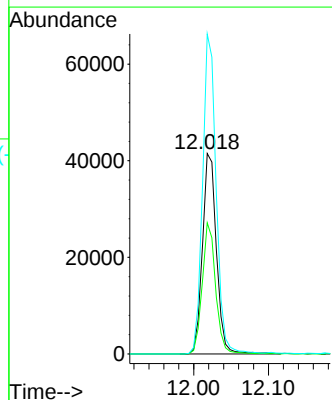
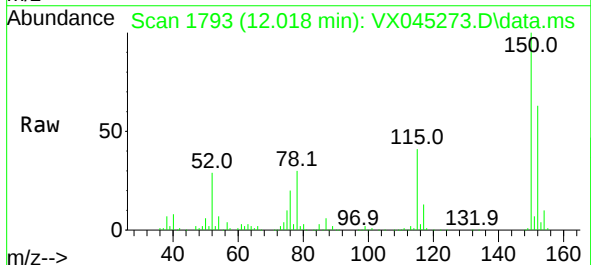


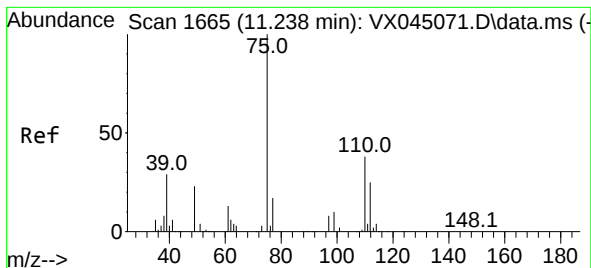
Tgt Ion:164 Resp: 9347
Ion Ratio Lower Upper
164 100
166 132.8 103.6 155.4
129 100.6 82.7 124.1
131 99.9 80.5 120.7



#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# 1

Delta R.T. -0.159 min

Lab File: VX045273.D

Acq: 13 Mar 2025 16:43

Instrument :

MSVOA_X

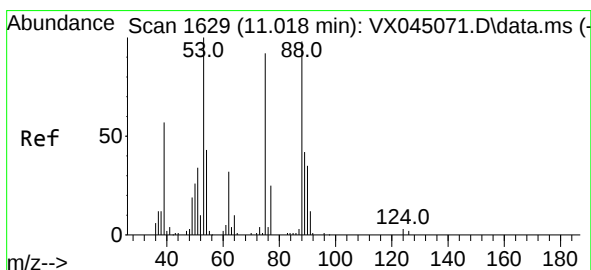
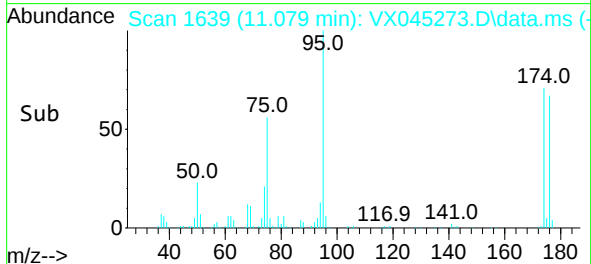
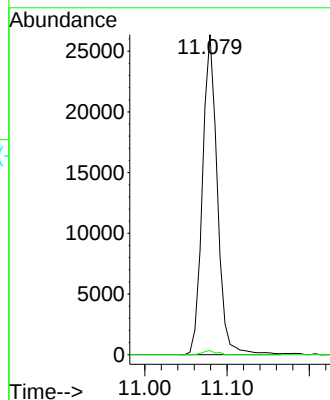
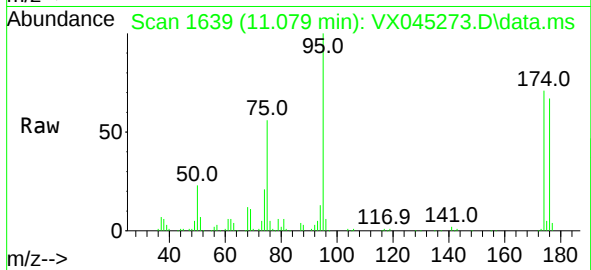
ClientSampleId :

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#

