

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045275.D
 Acq On : 13 Mar 2025 17:29
 Operator : JC/MD
 Sample : Q1559-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:29:42 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)

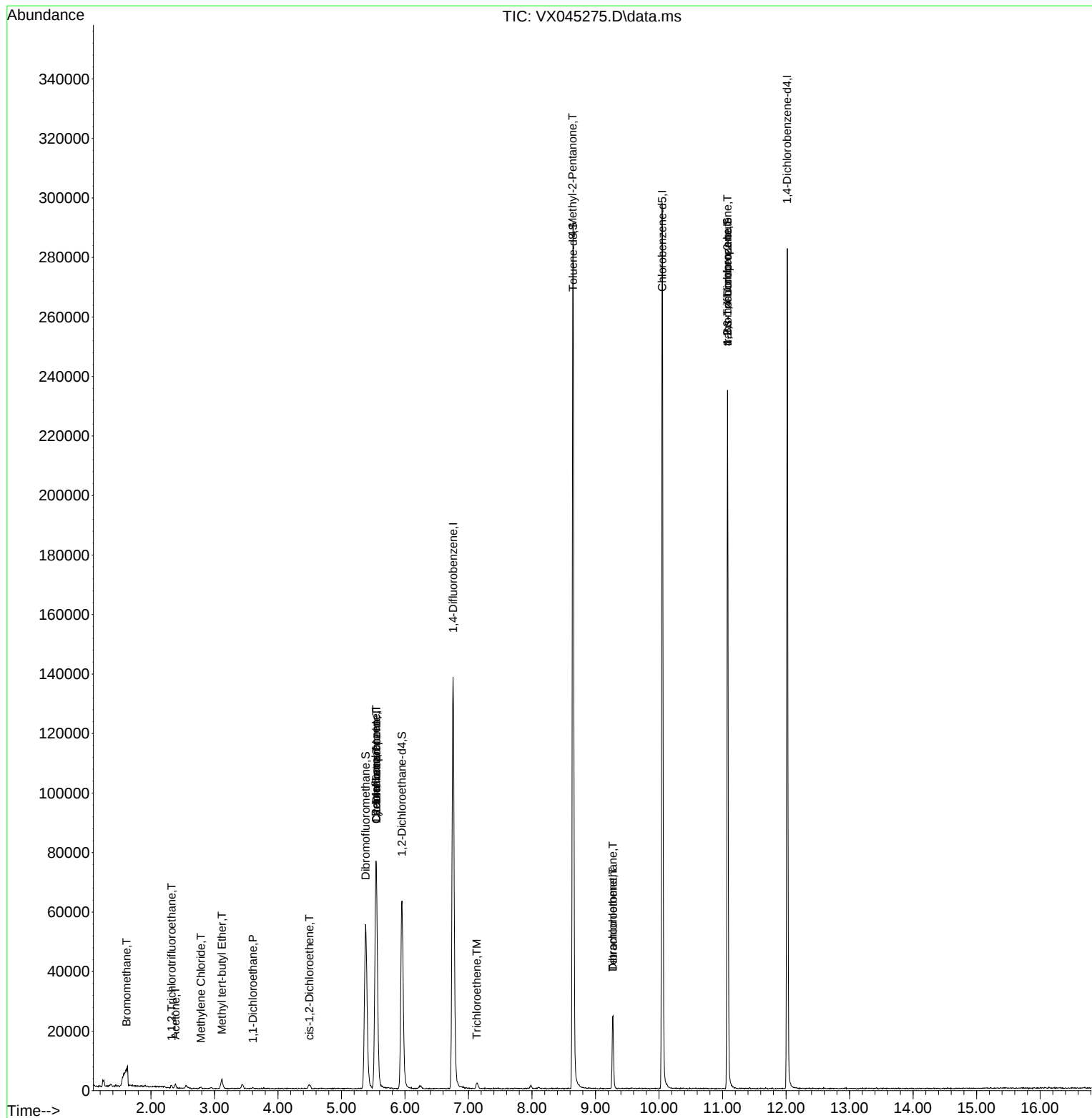
Internal Standards						
1) Pentafluorobenzene	5.544	168	68205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60861	56.098	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.200%
35) Dibromofluoromethane	5.379	113	47581	52.078	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.160%
50) Toluene-d8	8.647	98	171109	51.659	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	11.079	95	59369	54.090	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.180%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	110	0.268	ug/l #	3
9) 1,1,2-Trichlorotrifluo...	2.325	101	420	0.530	ug/l	90
16) Acetone	2.386	43	1464	2.908	ug/l	89
19) Methyl tert-butyl Ether	3.117	73	3170	1.127	ug/l	91
20) Methylene Chloride	2.788	84	233	0.234	ug/l #	63
24) 1,1-Dichloroethane	3.605	63	563	0.331	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	858	0.839	ug/l	87
31) Cyclohexane	5.550	56	2027	1.373	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	6532	5.213	ug/l #	47
38) Carbon Tetrachloride	5.550	117	7850	6.171	ug/l #	14
44) Trichloroethene	7.129	130	882	0.949	ug/l	71
51) 4-Methyl-2-Pentanone	8.641	43	880	0.549	ug/l #	1
60) Dibromochloromethane	9.275	129	4584	4.587	ug/l #	11
64) Tetrachloroethene	9.275	164	4731	5.773	ug/l	84
76) 1,2,3-Trichloropropane	11.079	75	33207	27.351	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33207	93.601	ug/l #	6

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

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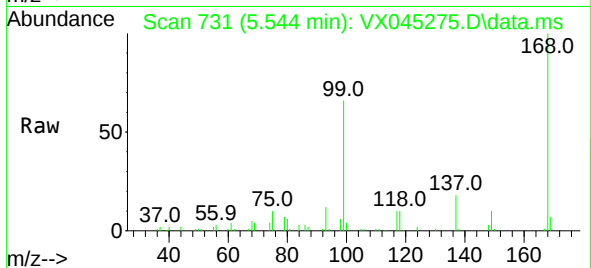
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



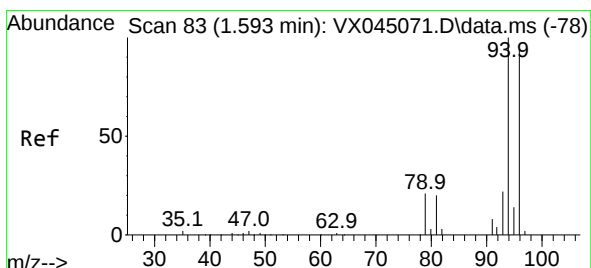
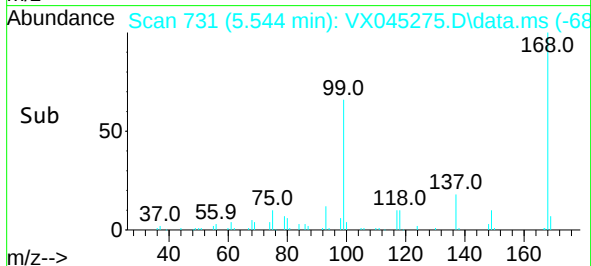
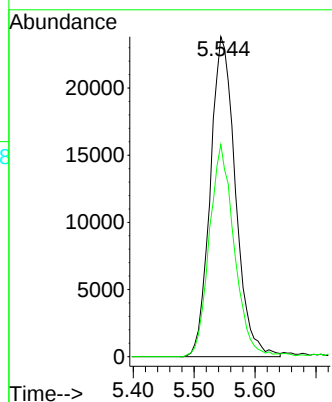


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :

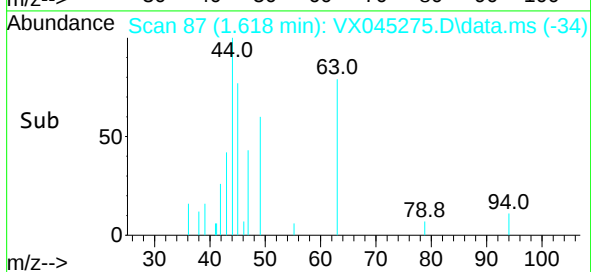
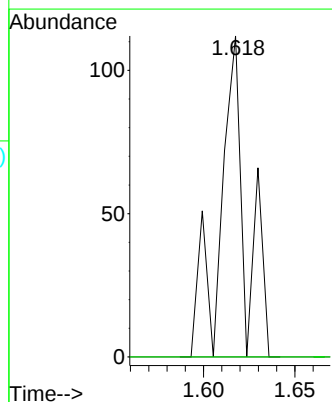
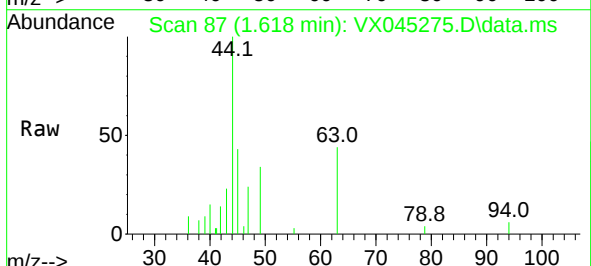


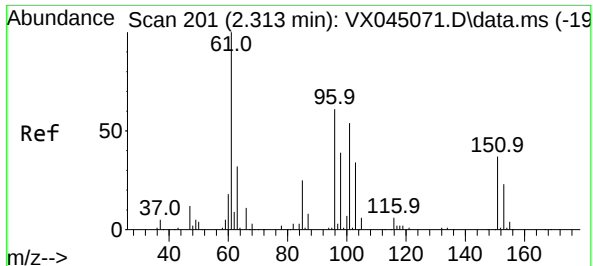
Tgt Ion:168 Resp: 68205
Ion Ratio Lower Upper
168 100
99 66.3 48.2 72.4



#5
Bromomethane
Concen: 0.268 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.024 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 94 Resp: 110
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.4#

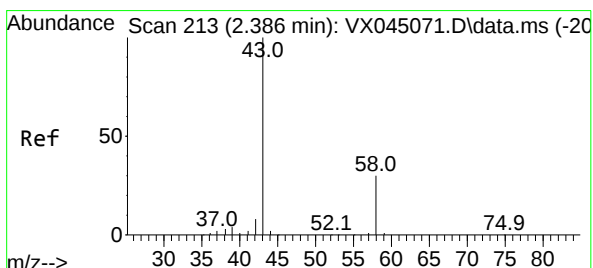
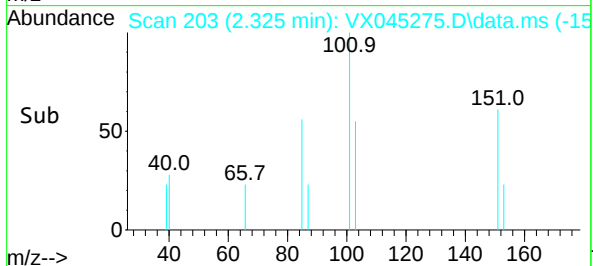
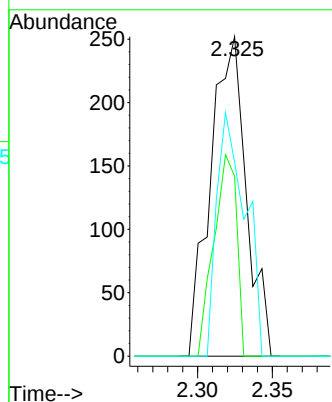
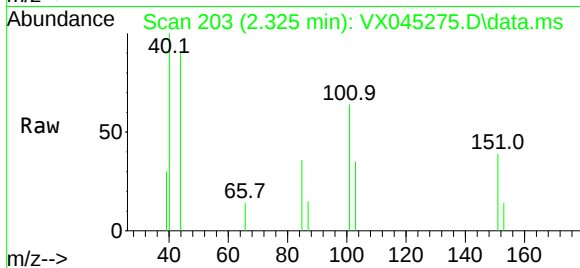




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.530 ug/l
RT: 2.325 min Scan# 201
Delta R.T. 0.012 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

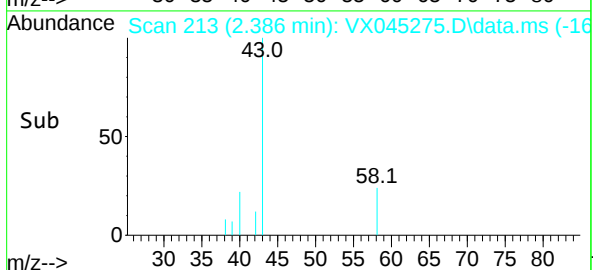
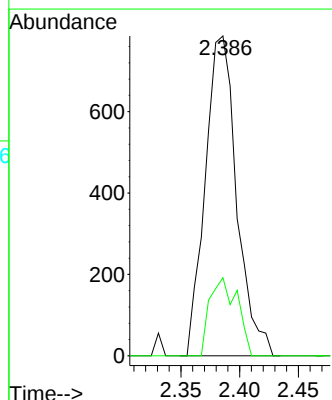
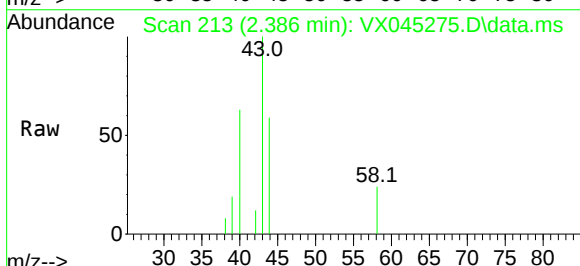
Instrument :
MSVOA_X
ClientSampleId :

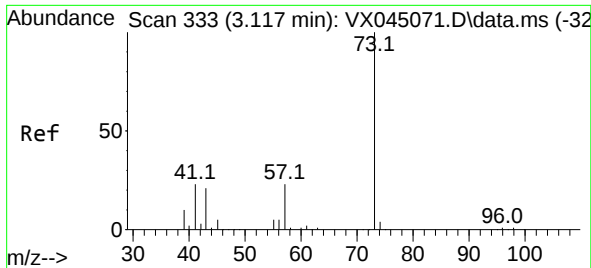
Tgt Ion:101 Resp: 420
Ion Ratio Lower Upper
101 100
85 40.2 36.2 54.4
151 61.0 56.4 84.6



#16
Acetone
Concen: 2.908 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 24.4 24.2 36.4

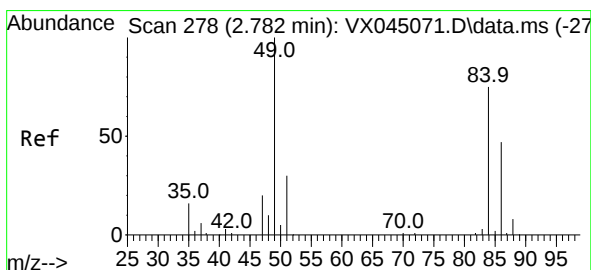
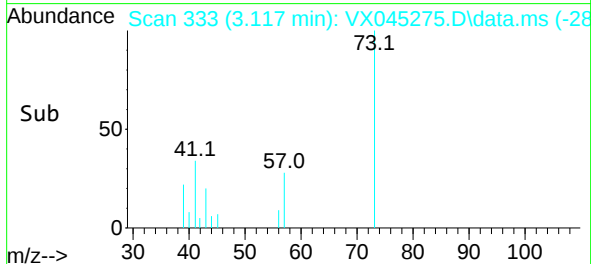
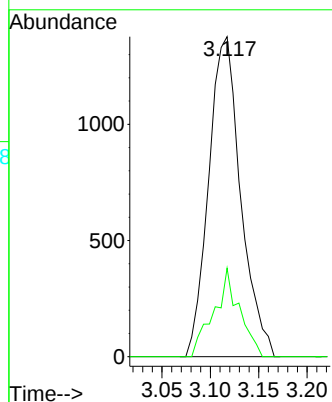
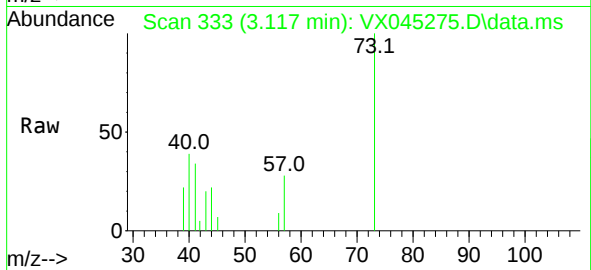




#19
Methyl tert-butyl Ether
Concen: 1.127 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

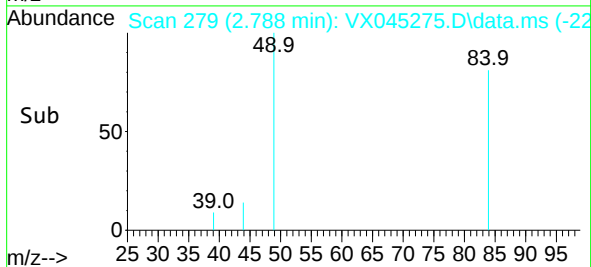
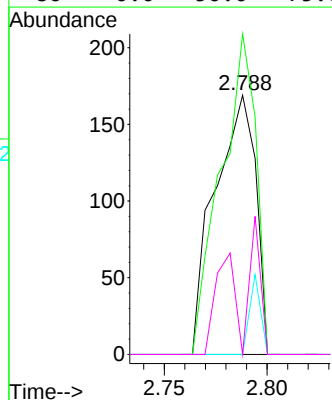
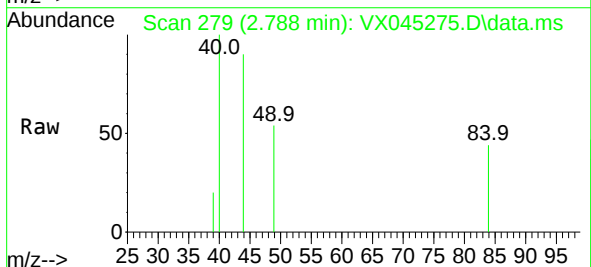
Instrument :
MSVOA_X
ClientSampleId :

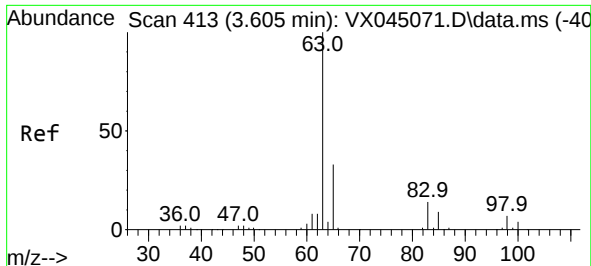
Tgt Ion: 73 Resp: 3170
Ion Ratio Lower Upper
73 100
57 27.7 18.5 27.7



#20
Methylene Chloride
Concen: 0.234 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 84 Resp: 233
Ion Ratio Lower Upper
84 100
49 123.7 106.5 159.7
51 0.0 32.1 48.1#
86 0.0 50.0 75.0#

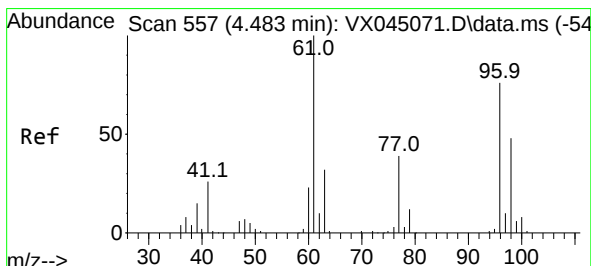
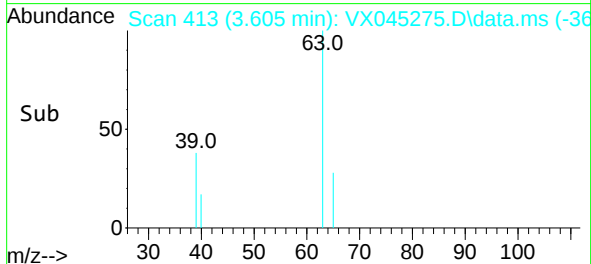
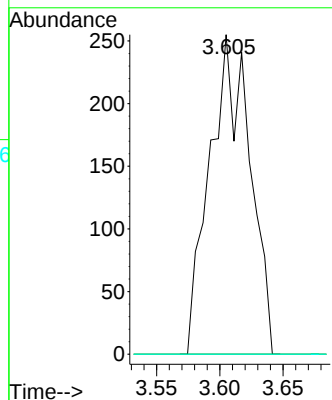
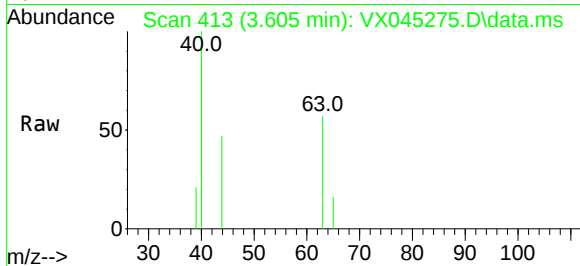




#24
 1,1-Dichloroethane
 Concen: 0.331 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX045275.D
 Acq: 13 Mar 2025 17:29

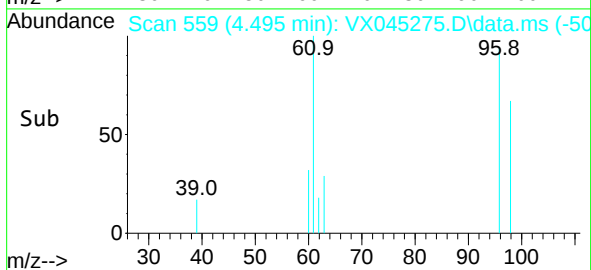
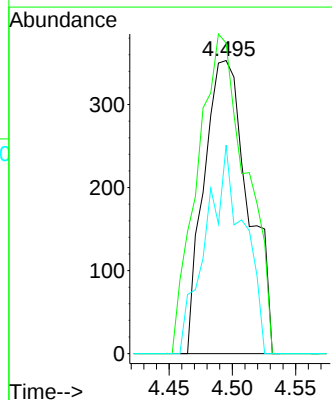
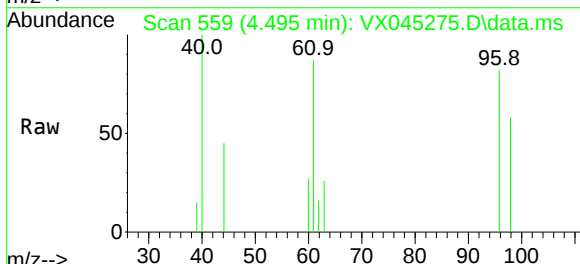
Instrument :
 MSVOA_X
 ClientSampleId :

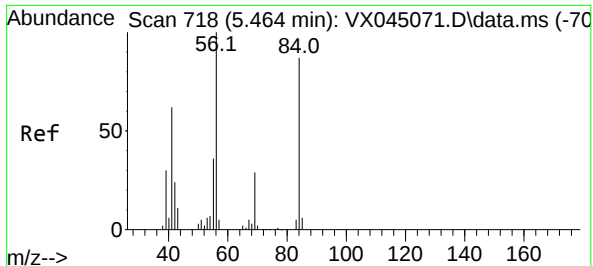
Tgt Ion: 63 Resp: 563
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.839 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.012 min
 Lab File: VX045275.D
 Acq: 13 Mar 2025 17:29

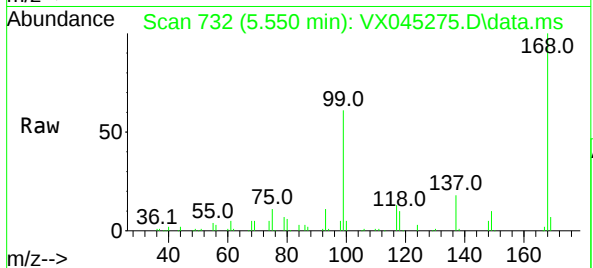
Tgt Ion: 96 Resp: 858
 Ion Ratio Lower Upper
 96 100
 61 120.7 0.0 283.2
 98 60.8 0.0 128.0



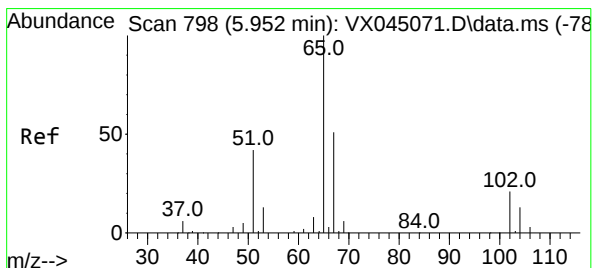
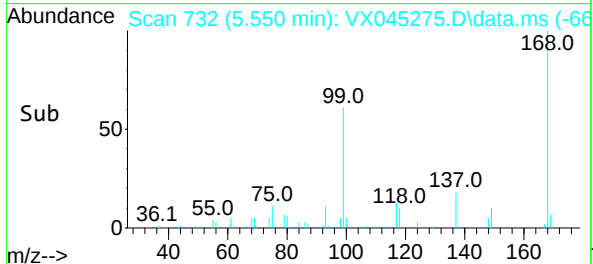
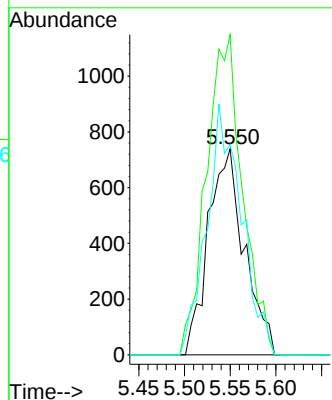


#31
Cyclohexane
Concen: 1.373 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :

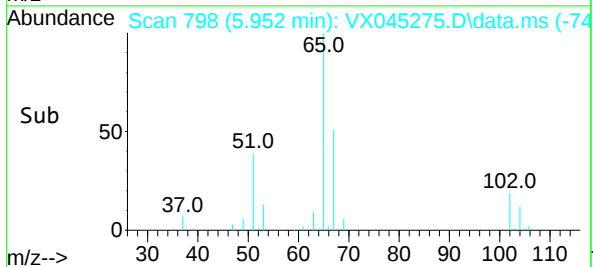
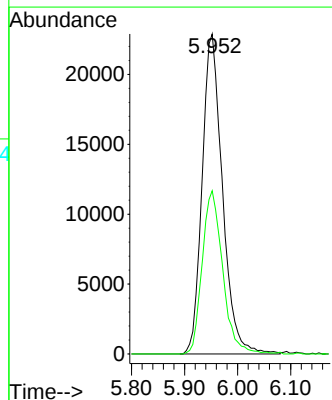
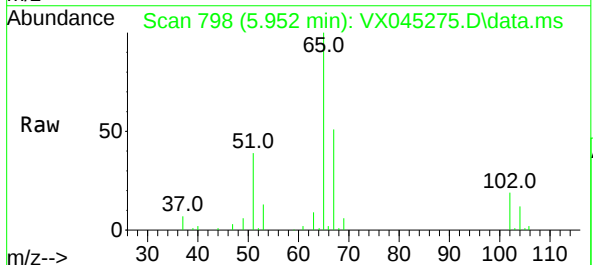


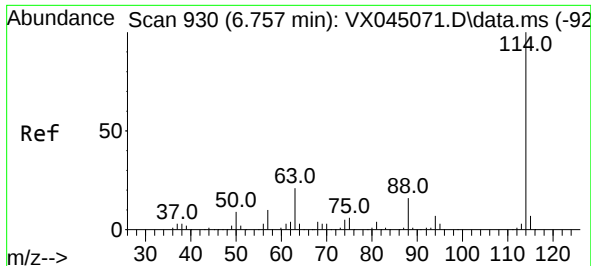
Tgt Ion: 56 Resp: 2027
Ion Ratio Lower Upper
56 100
69 155.5 23.4 35.2#
84 102.2 69.4 104.2



#33
1,2-Dichloroethane-d4
Concen: 56.098 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 65 Resp: 60861
Ion Ratio Lower Upper
65 100
67 51.5 0.0 106.2

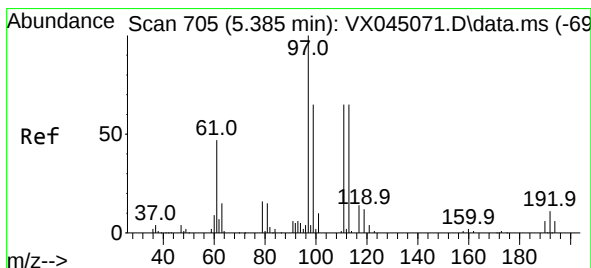
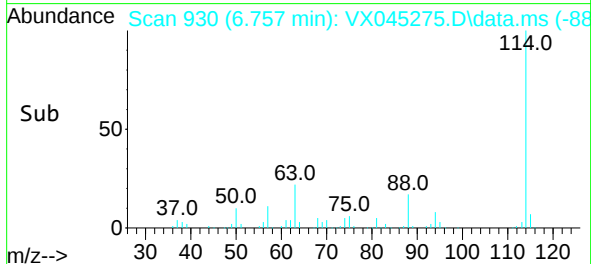
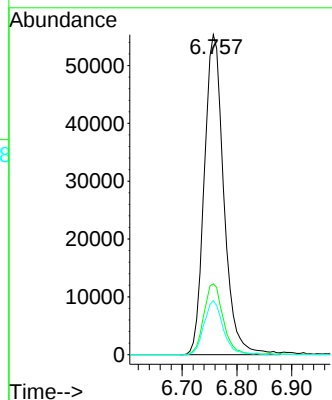
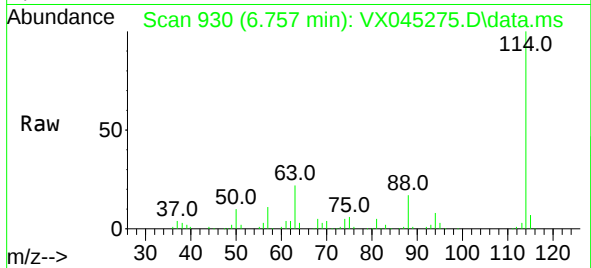




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

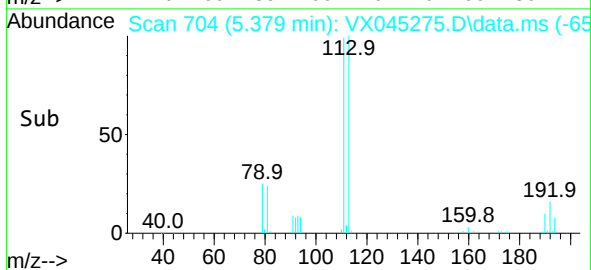
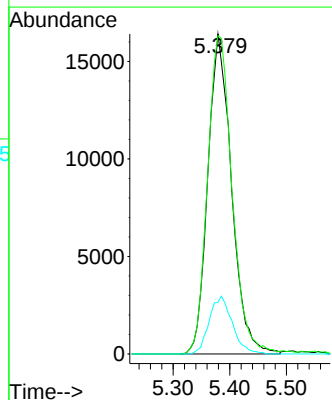
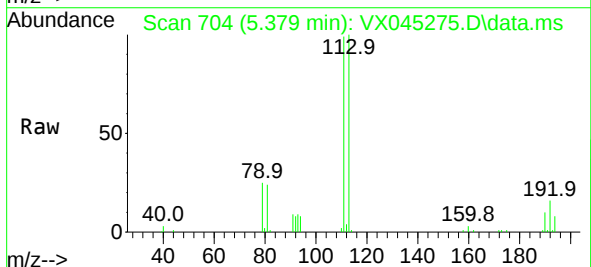
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MSVOA_X
ClientSampleId :

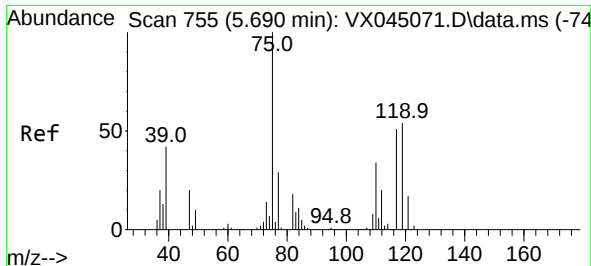
Tgt Ion:114 Resp: 136636
Ion Ratio Lower Upper
114 100
63 22.1 0.0 41.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.078 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion:113 Resp: 47581
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.213 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

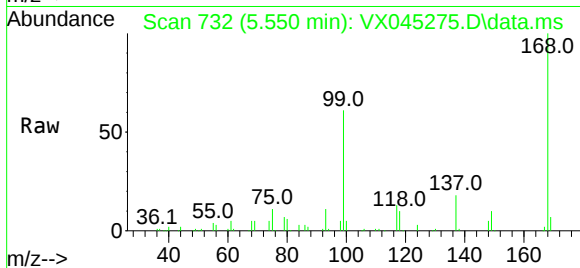
Lab File: VX045275.D

Acq: 13 Mar 2025 17:29

Instrument :

MSVOA_X

ClientSampleId :



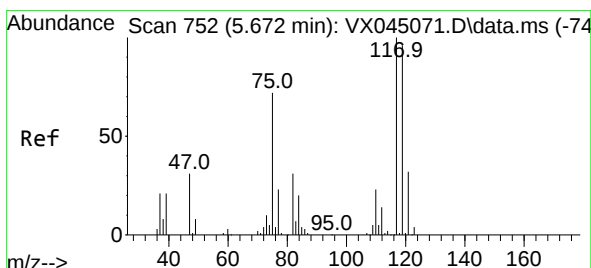
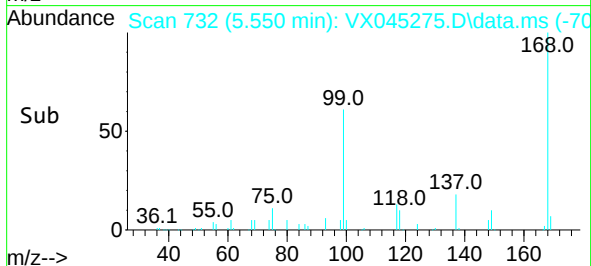
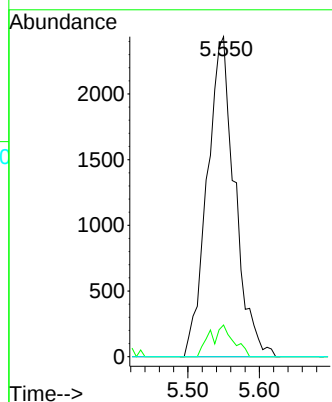
Tgt Ion: 75 Resp: 6532

Ion Ratio Lower Upper

75 100

110 5.5 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX045275.D

Acq: 13 Mar 2025 17:29

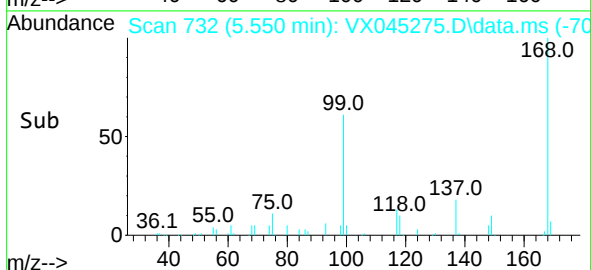
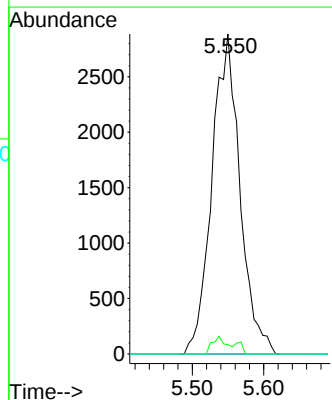
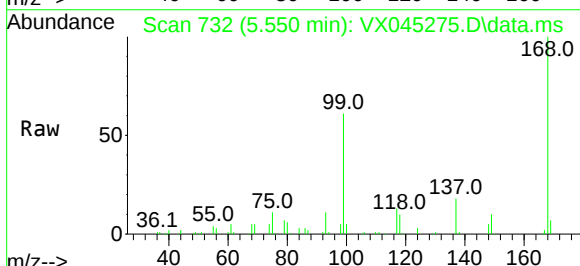
Tgt Ion: 117 Resp: 7850

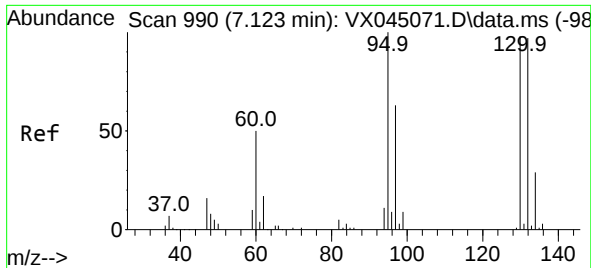
Ion Ratio Lower Upper

117 100

119 2.9 76.7 115.1#

121 0.0 25.5 38.3#

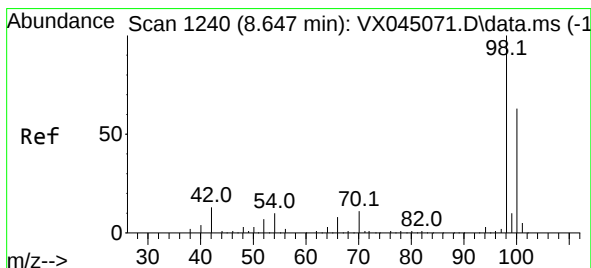
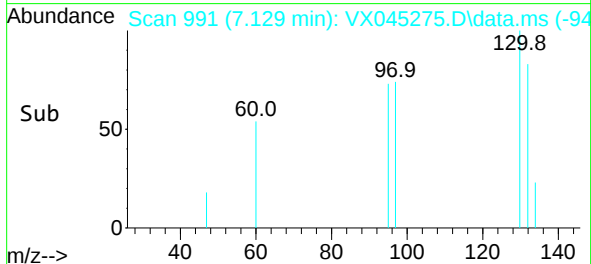
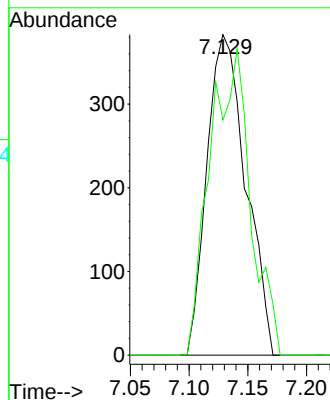
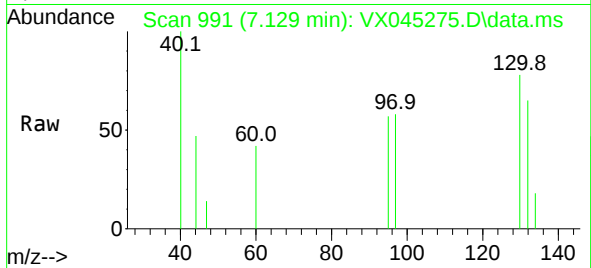




#44
 Trichloroethene
 Concen: 0.949 ug/l
 RT: 7.129 min Scan# 990
 Delta R.T. 0.006 min
 Lab File: VX045275.D
 Acq: 13 Mar 2025 17:29

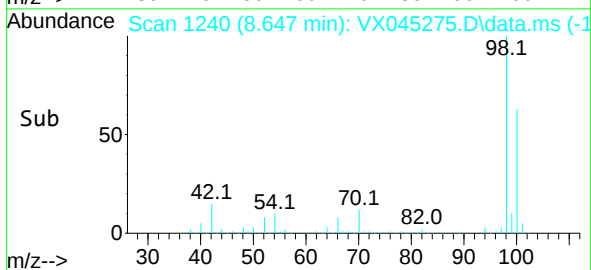
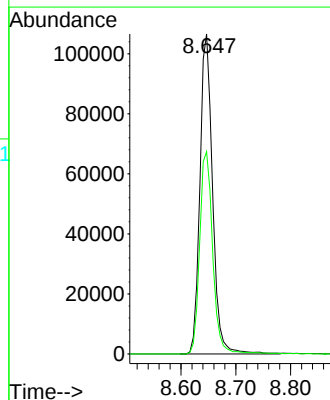
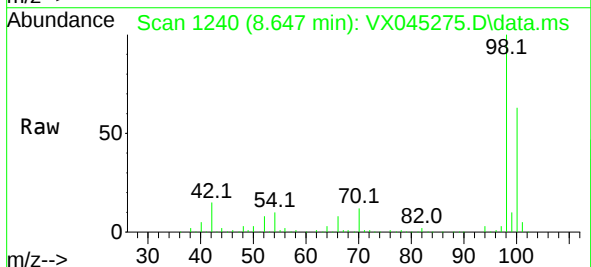
Instrument :
 MSVOA_X
 ClientSampleId :

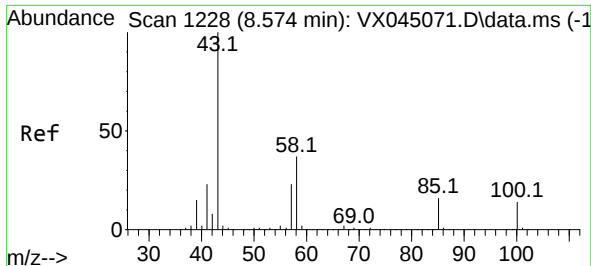
Tgt Ion:130 Resp: 882
 Ion Ratio Lower Upper
 130 100
 95 73.4 0.0 205.0



#50
 Toluene-d8
 Concen: 51.659 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX045275.D
 Acq: 13 Mar 2025 17:29

Tgt Ion: 98 Resp: 171109
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.0 78.0

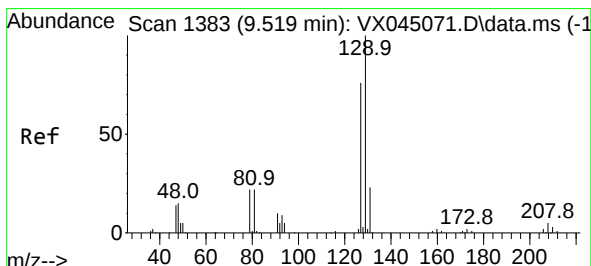
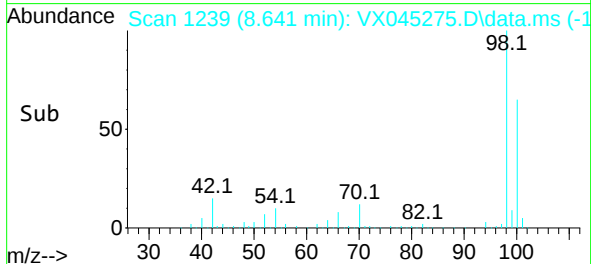
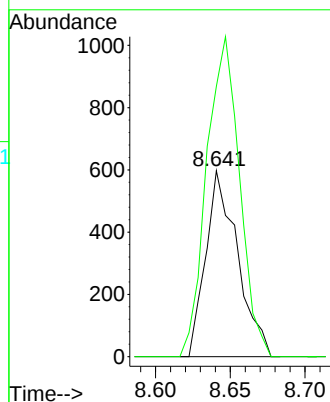
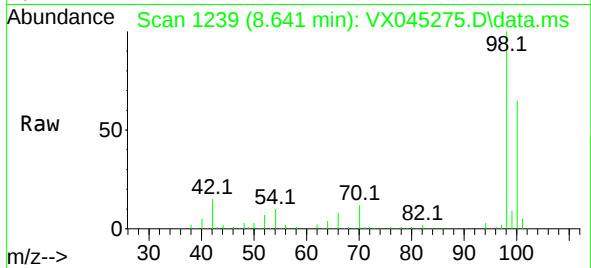




#51
4-Methyl-2-Pentanone
Concen: 0.549 ug/l
RT: 8.641 min Scan# 11
Delta R.T. 0.067 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

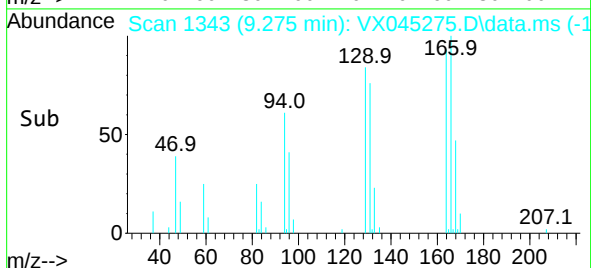
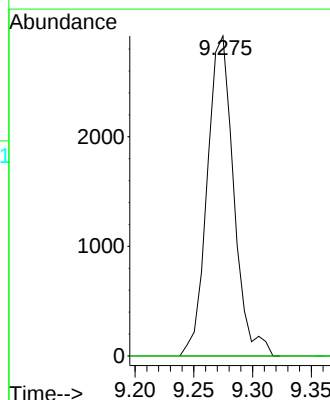
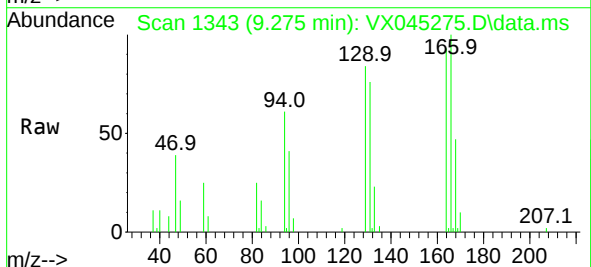
Instrument :
MSVOA_X
ClientSampleId :

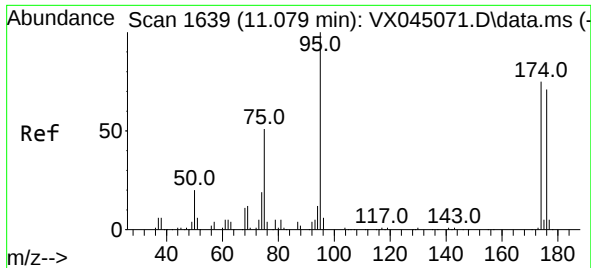
Tgt Ion: 43 Resp: 880
Ion Ratio Lower Upper
43 100
58 178.9 29.2 43.8#



#60
Dibromochloromethane
Concen: 4.587 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.244 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 129 Resp: 4584
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#

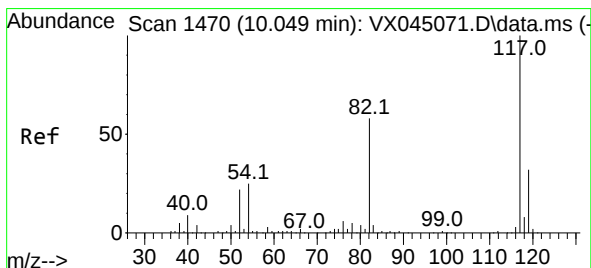
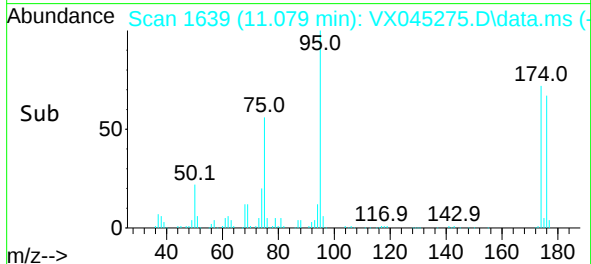
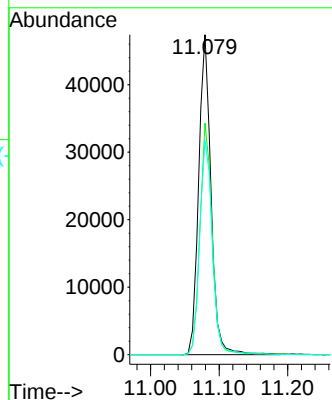
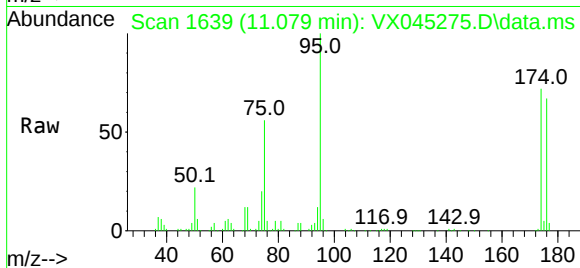




#62
4-Bromofluorobenzene
Concen: 54.090 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

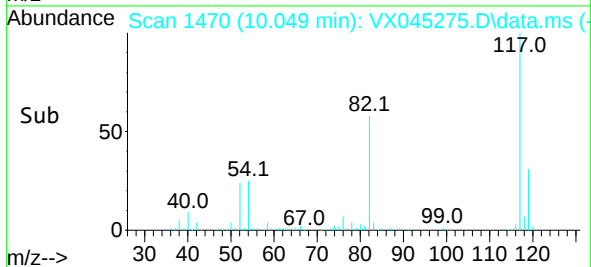
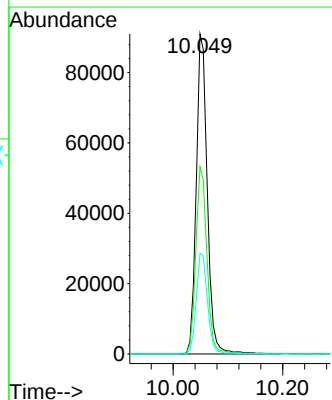
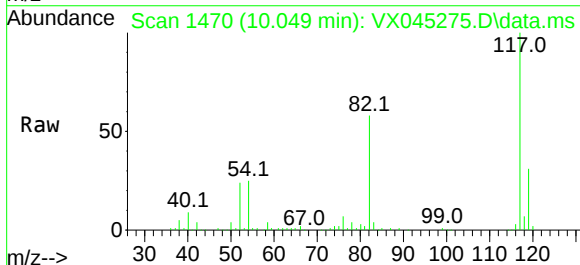
Instrument :
MSVOA_X
ClientSampleId :

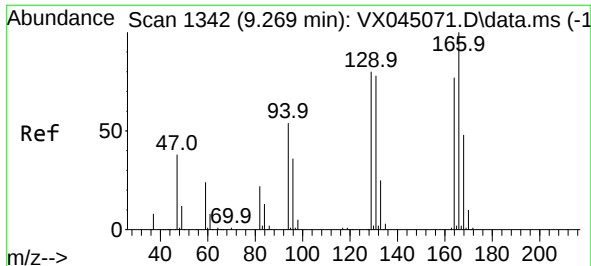
Tgt Ion: 95 Resp: 59369
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.2
176 68.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

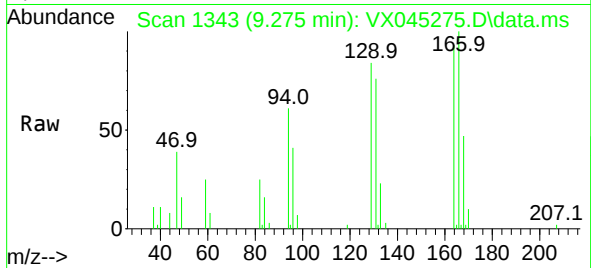
Tgt Ion: 117 Resp: 127965
Ion Ratio Lower Upper
117 100
82 58.4 46.3 69.5
119 31.4 25.7 38.5



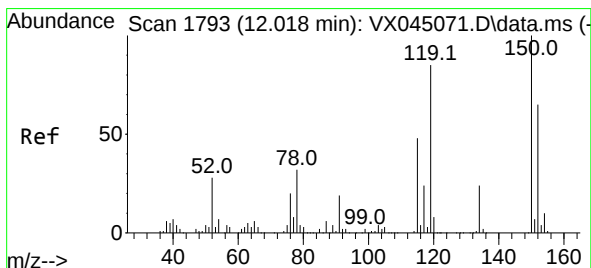
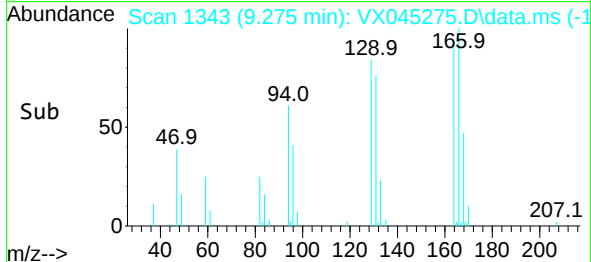
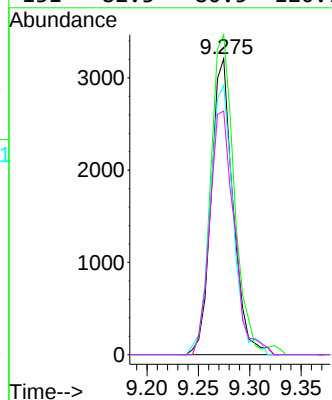


#64
Tetrachloroethene
Concen: 5.773 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :

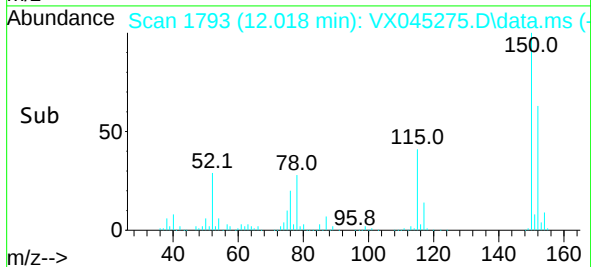
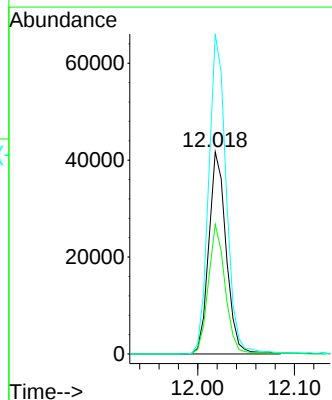
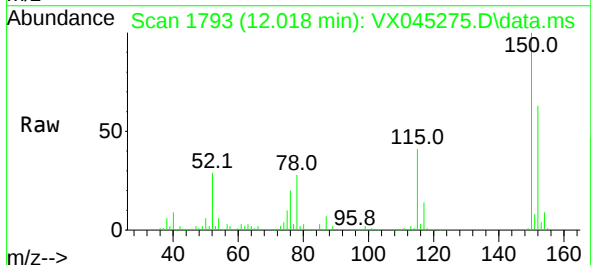


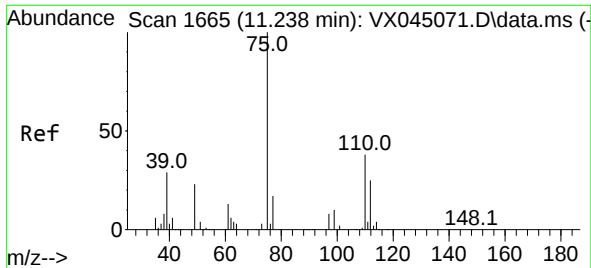
Tgt Ion:164 Resp: 4731
Ion Ratio Lower Upper
164 100
166 108.1 103.6 155.4
129 91.0 82.7 124.1
131 82.3 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion:152 Resp: 52163
Ion Ratio Lower Upper
152 100
115 62.6 44.2 132.6
150 159.3 0.0 349.0

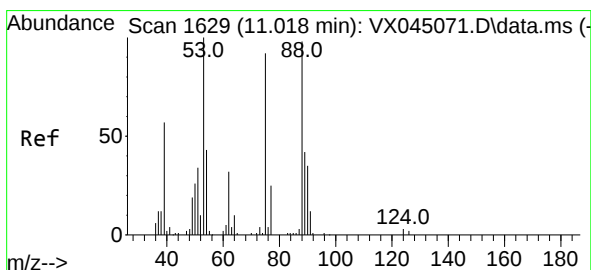
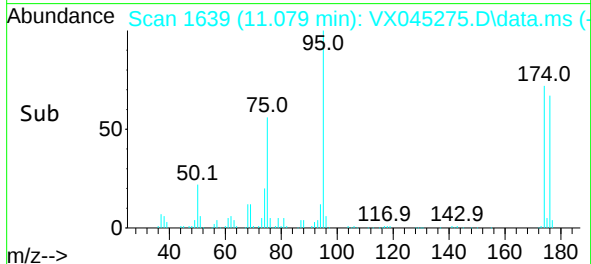
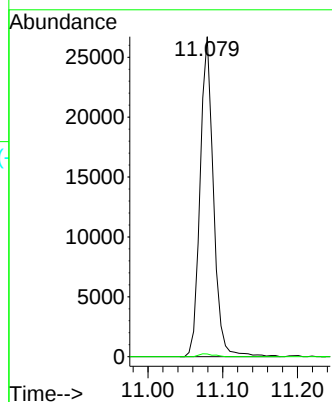
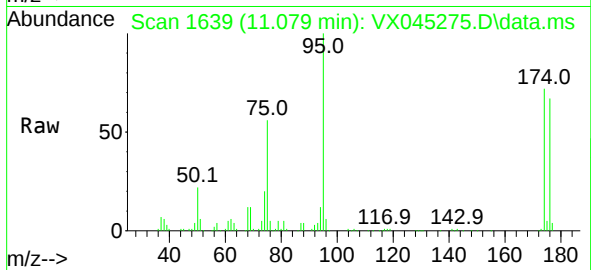




#76
1,2,3-Trichloropropane
Concen: 27.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33207
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.601 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045275.D
Acq: 13 Mar 2025 17:29

Tgt Ion: 75 Resp: 33207
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

