

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031325\
 Data File : VX045281.D
 Acq On : 13 Mar 2025 19:48
 Operator : JC/MD
 Sample : Q1559-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 14 12:30:29 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)

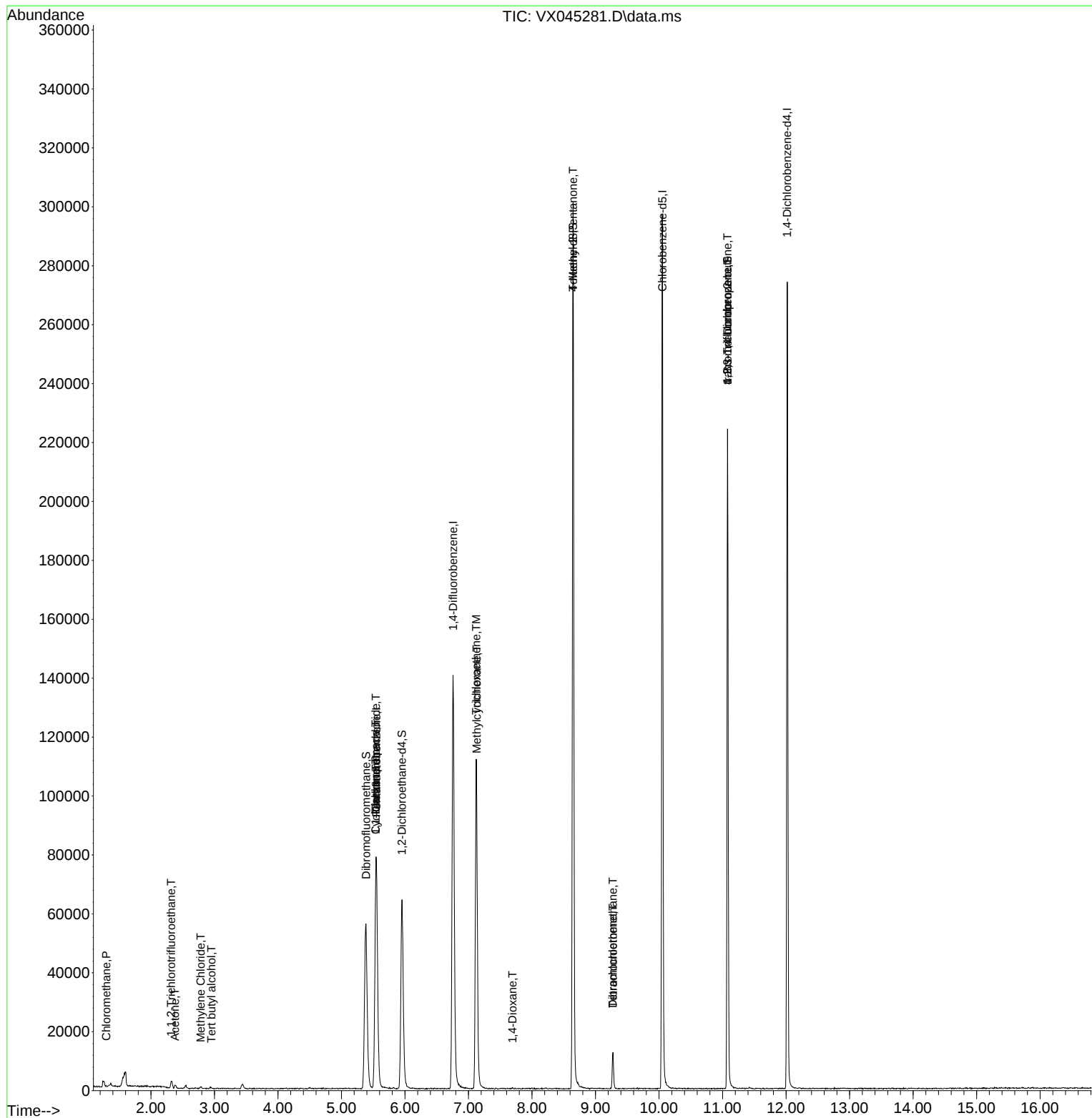
Internal Standards						
1) Pentafluorobenzene	5.550	168	71280	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137818	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60978	53.781	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.560%	
35) Dibromofluoromethane	5.385	113	48880	53.041	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.080%	
50) Toluene-d8	8.647	98	172478	51.625	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.079	95	58312	52.671	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	232	0.211	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.319	101	1038	1.253	ug/l	98
11) Tert butyl alcohol	2.953	59	62	0.289	ug/l #	73
16) Acetone	2.380	43	1280	2.433	ug/l #	80
20) Methylene Chloride	2.782	84	336	0.322	ug/l #	61
31) Cyclohexane	5.538	56	2001	1.297	ug/l #	16
36) 1,1-Dichloropropene	5.538	75	7077	5.600	ug/l #	49
38) Carbon Tetrachloride	5.544	117	7766	6.053	ug/l #	15
39) Methylcyclohexane	7.129	83	492	0.325	ug/l #	1
44) Trichloroethene	7.123	130	40894	43.640	ug/l	99
49) 1,4-Dioxane	7.690	88	219	8.594	ug/l #	73
51) 4-Methyl-2-Pentanone	8.647	43	993	0.614	ug/l #	1
60) Dibromochloromethane	9.275	129	2092	2.076	ug/l #	11
64) Tetrachloroethene	9.275	164	2218	2.755	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	33495	27.714	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33495	94.842	ug/l #	6

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

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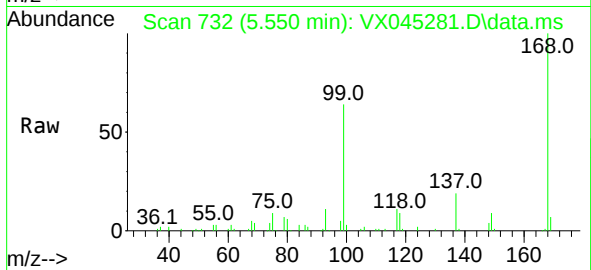
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
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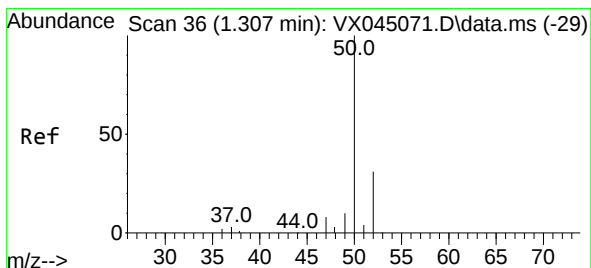
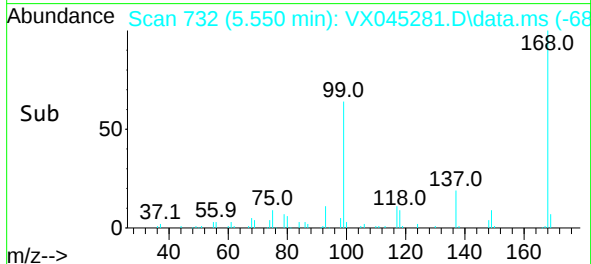
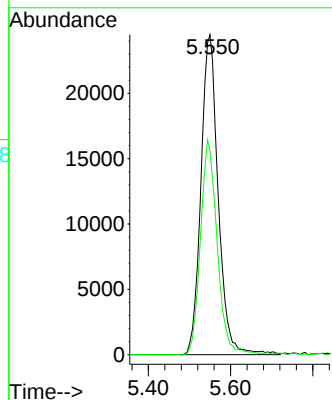


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :

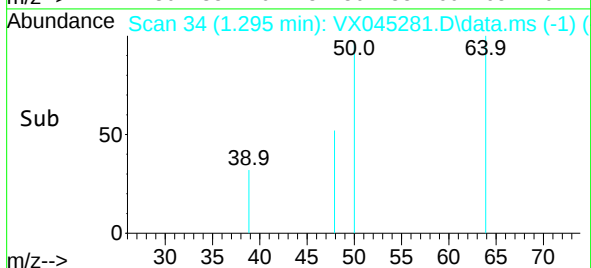
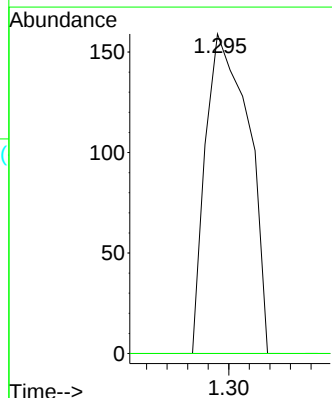
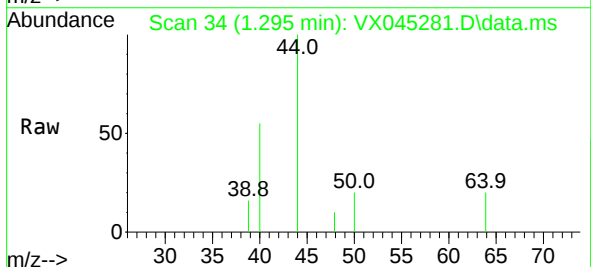


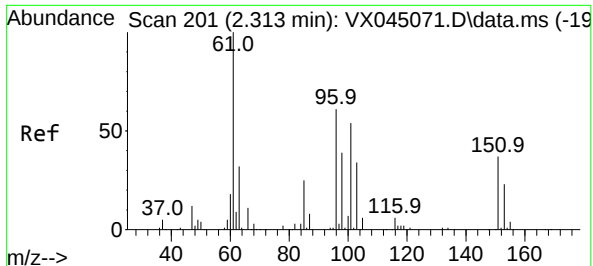
Tgt Ion:168 Resp: 71280
Ion Ratio Lower Upper
168 100
99 63.8 48.2 72.4



#3
Chloromethane
Concen: 0.211 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

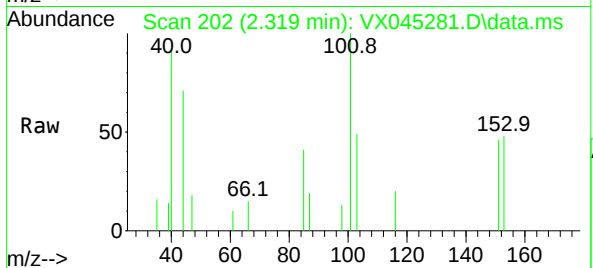
Tgt Ion: 50 Resp: 232
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#



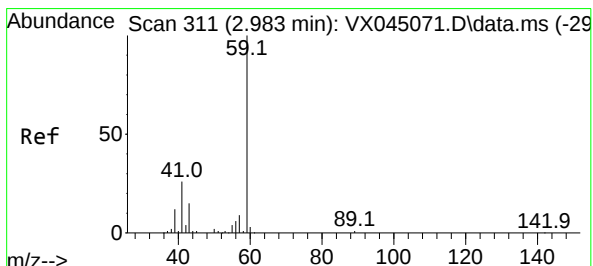
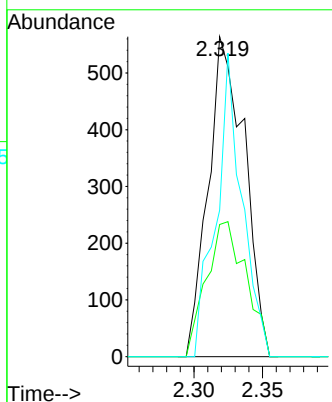
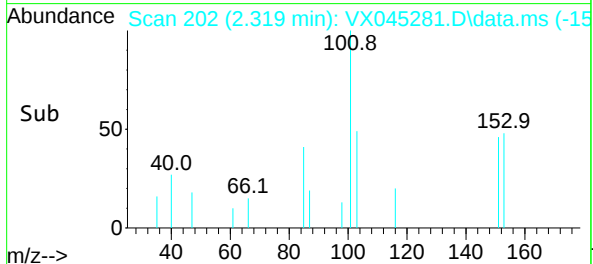


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.253 ug/l
RT: 2.319 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :

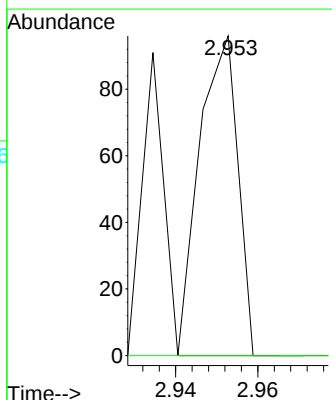
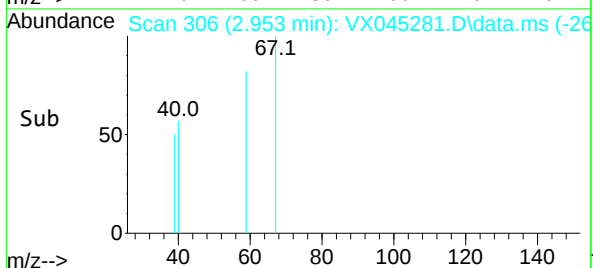
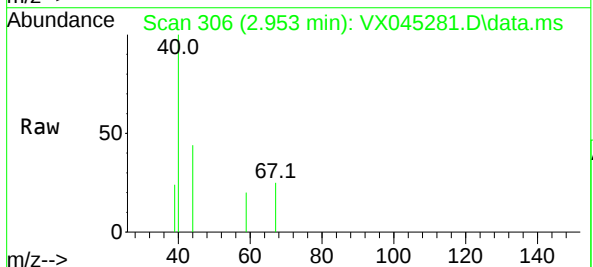


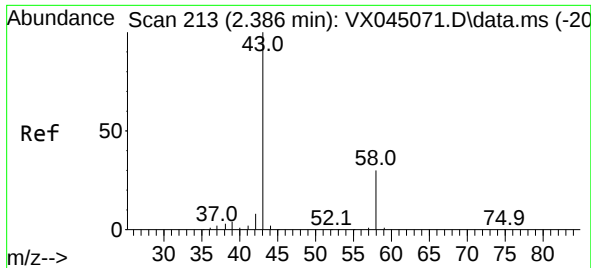
Tgt Ion:101 Resp: 1038
Ion Ratio Lower Upper
101 100
85 46.1 36.2 54.4
151 67.8 56.4 84.6



#11
Tert butyl alcohol
Concen: 0.289 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

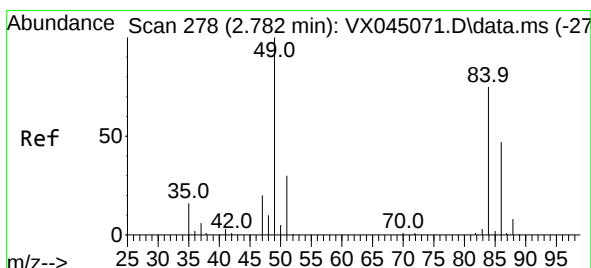
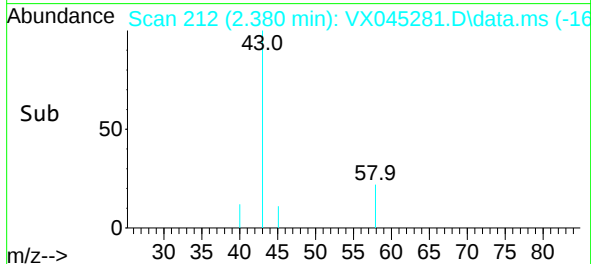
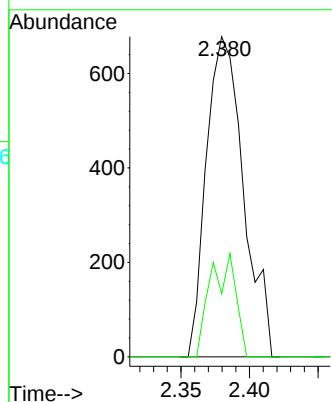
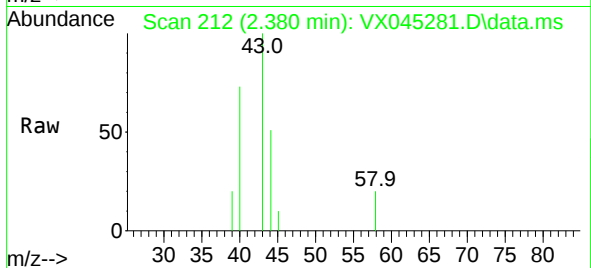




#16
Acetone
Concen: 2.433 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

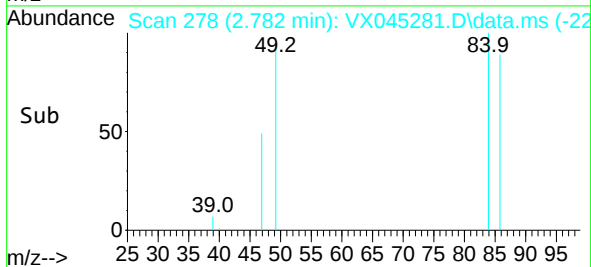
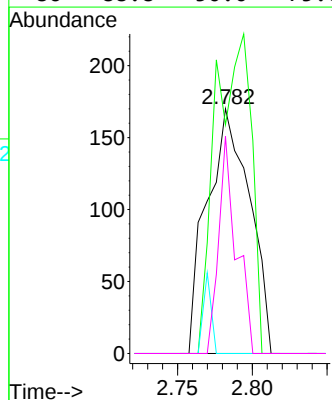
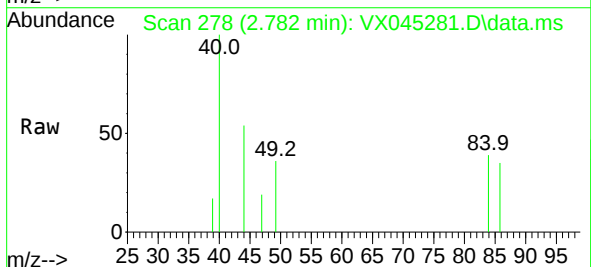
Instrument :
MSVOA_X
ClientSampleId :

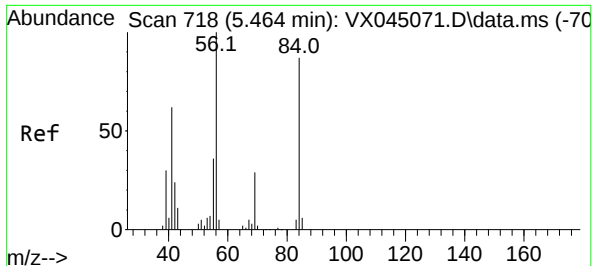
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
58 19.6 24.2 36.4#



#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

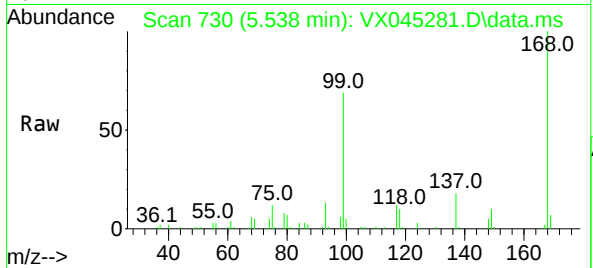
Tgt Ion: 84 Resp: 336
Ion Ratio Lower Upper
84 100
49 93.5 106.5 159.7#
51 0.0 32.1 48.1#
86 88.8 50.0 75.0#



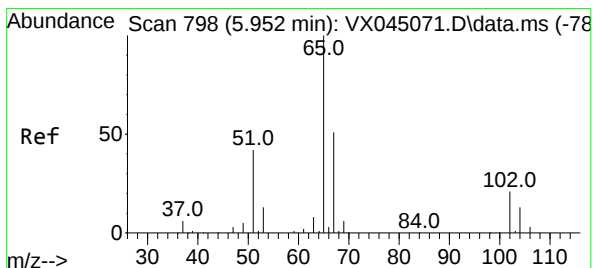
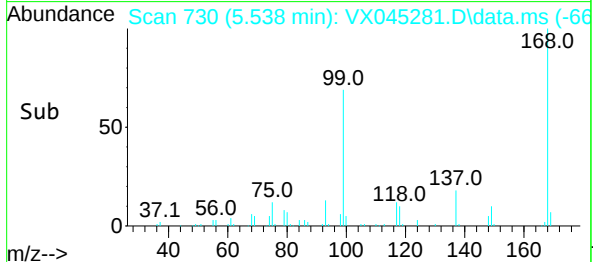
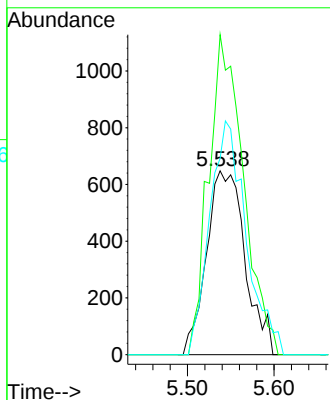


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 5.538 min Scan# 718
Delta R.T. 0.073 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :

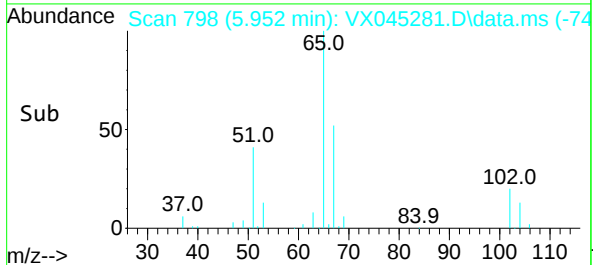
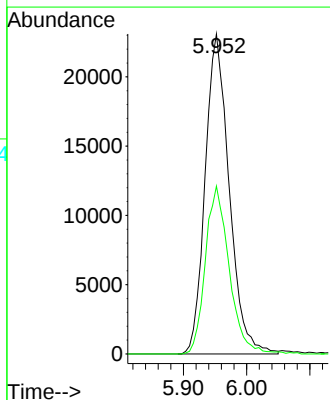
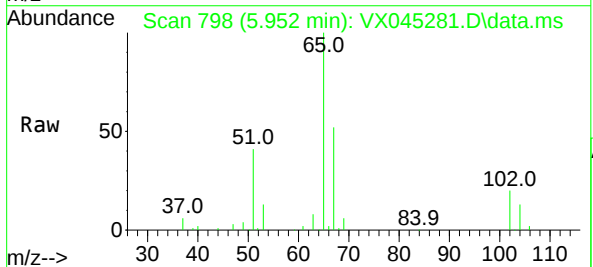


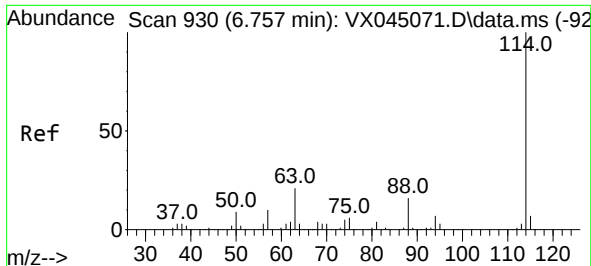
Tgt Ion: 56 Resp: 2001
Ion Ratio Lower Upper
56 100
69 174.1 23.4 35.2#
84 106.8 69.4 104.2#



#33
1,2-Dichloroethane-d4
Concen: 53.781 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion: 65 Resp: 60978
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.2

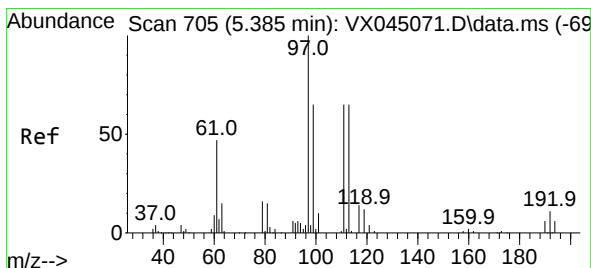
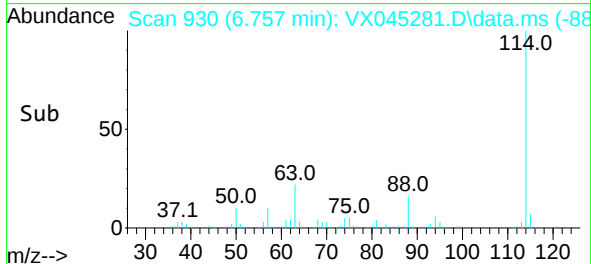
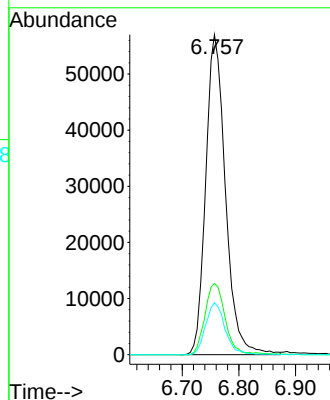
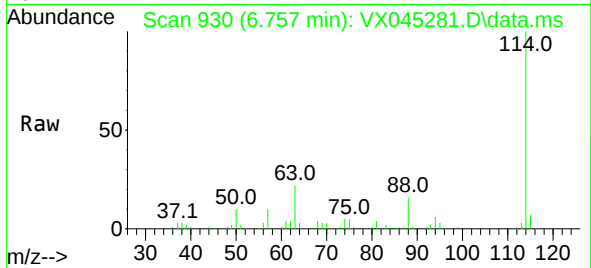




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

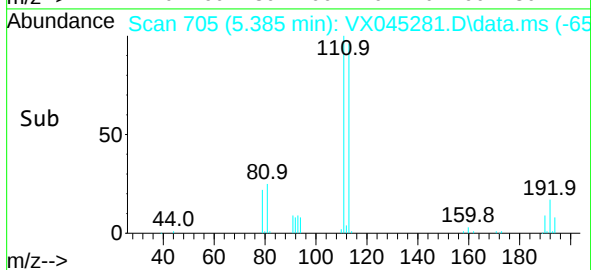
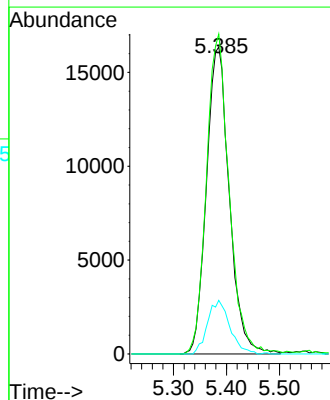
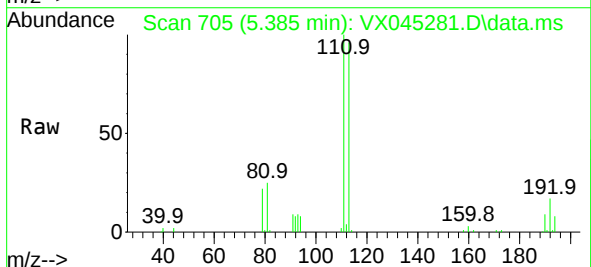
Instrument :
MSVOA_X
ClientSampleId :

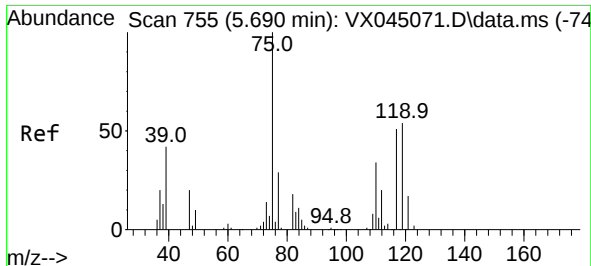
Tgt Ion:114 Resp: 137818
Ion Ratio Lower Upper
114 100
63 22.3 0.0 41.8
88 16.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 53.041 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:113 Resp: 48880
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.6
192 17.0 14.3 21.5





#36

1,1-Dichloropropene

Concen: 5.600 ug/l

RT: 5.538 min Scan# 710

Delta R.T. -0.152 min

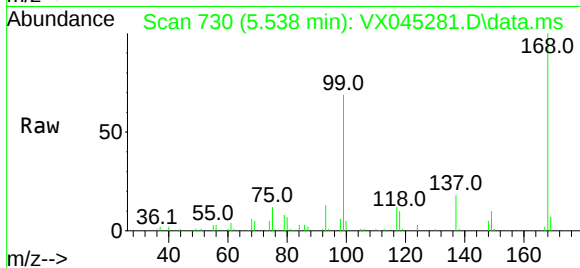
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Acq: 13 Mar 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :



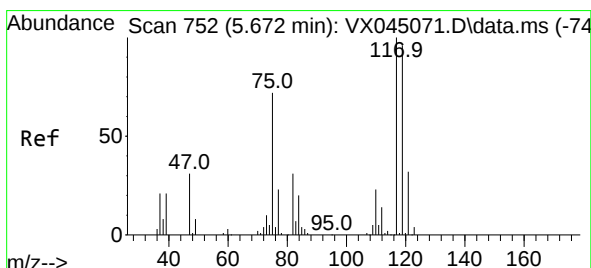
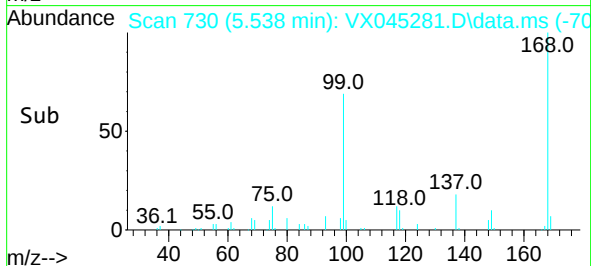
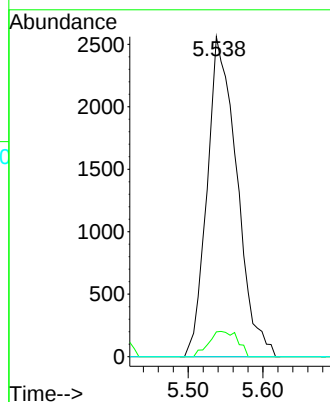
Tgt Ion: 75 Resp: 7077

Ion Ratio Lower Upper

75 100

110 7.7 16.9 50.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.053 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX045281.D

Acq: 13 Mar 2025 19:48

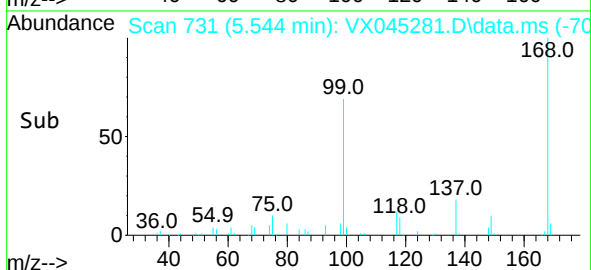
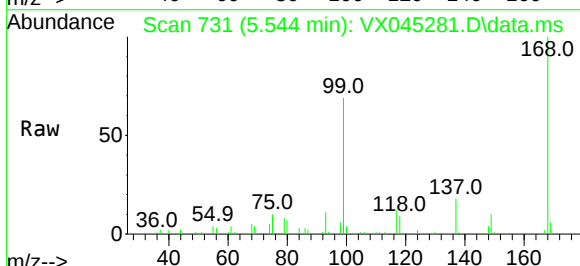
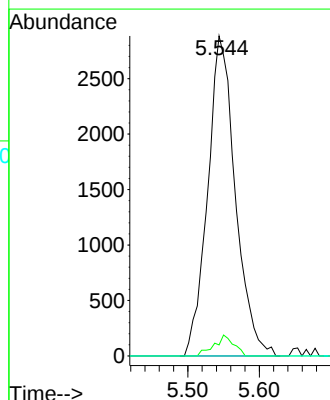
Tgt Ion: 117 Resp: 7766

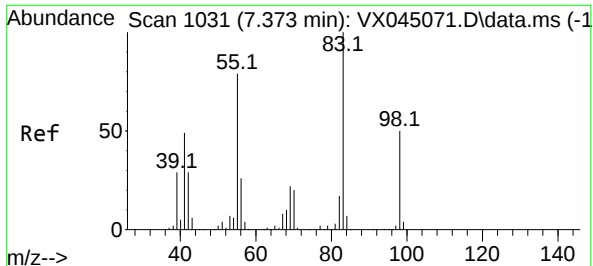
Ion Ratio Lower Upper

117 100

119 3.4 76.7 115.1#

121 0.0 25.5 38.3#





#39

Methylcyclohexane

Concen: 0.325 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.244 min

Lab File: VX045281.D

Acq: 13 Mar 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :

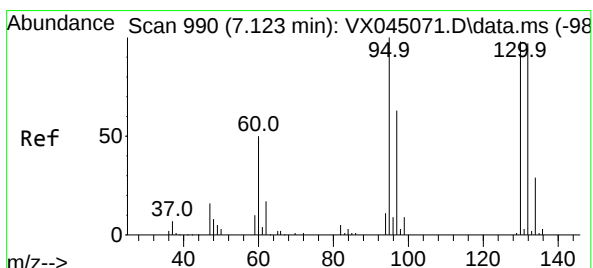
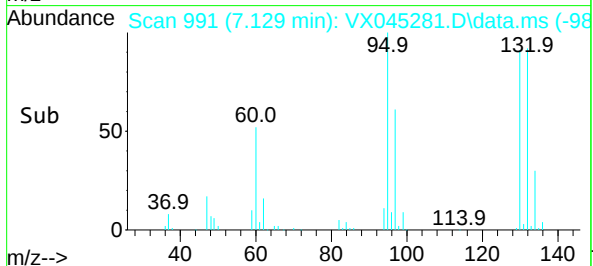
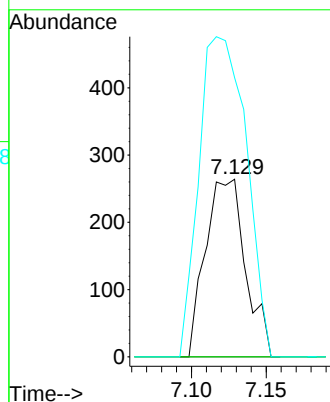
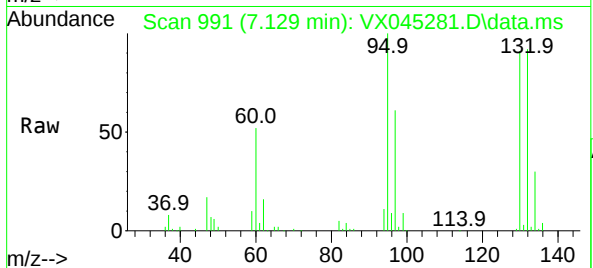
Tgt Ion: 83 Resp: 492

Ion Ratio Lower Upper

83 100

55 0.0 63.0 94.4#

98 157.2 39.7 59.5#



#44

Trichloroethene

Concen: 43.640 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX045281.D

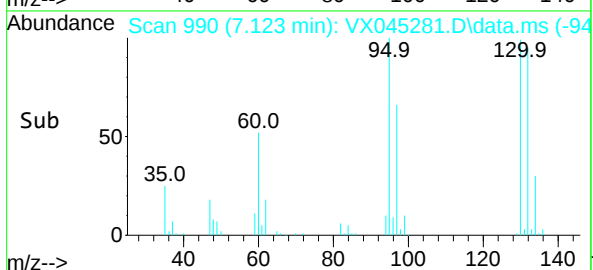
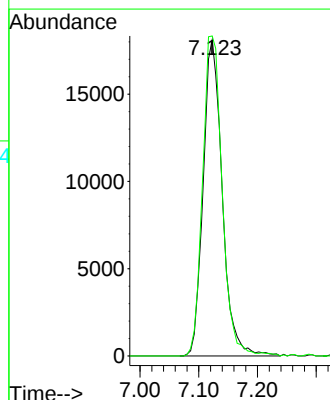
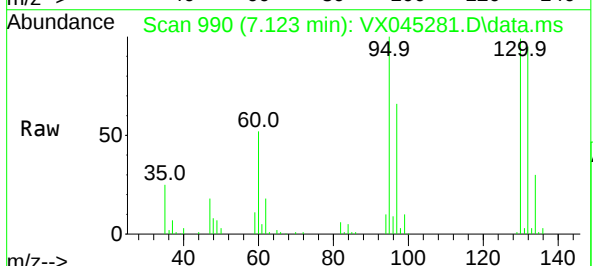
Acq: 13 Mar 2025 19:48

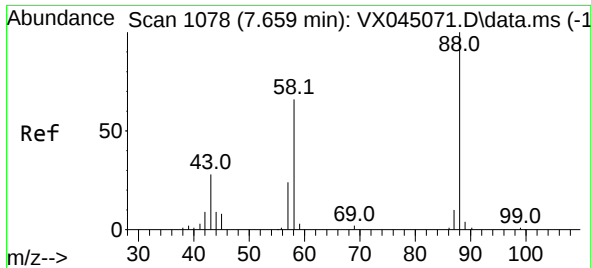
Tgt Ion:130 Resp: 40894

Ion Ratio Lower Upper

130 100

95 101.2 0.0 205.0





#49

1,4-Dioxane

Concen: 8.594 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.030 min

Lab File: VX045281.D

Acq: 13 Mar 2025 19:48

Instrument :

MSVOA_X

ClientSampleId :

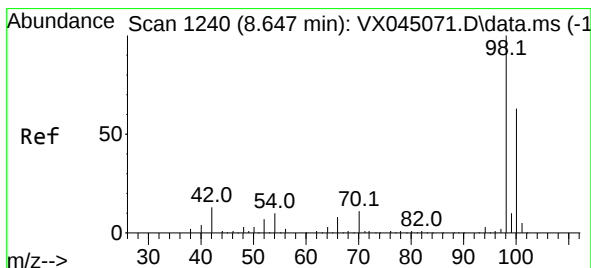
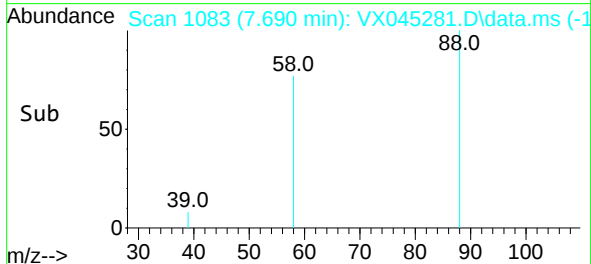
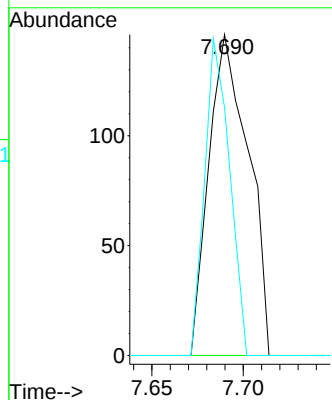
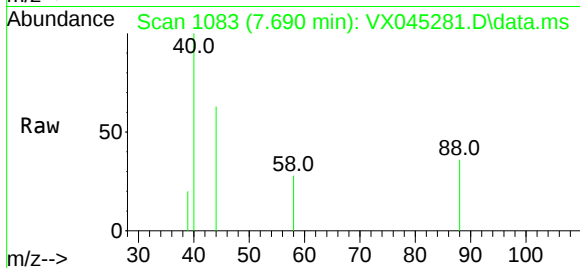
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

43 0.0 28.7 43.1#

58 62.1 55.8 83.8



#50

Toluene-d8

Concen: 51.625 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045281.D

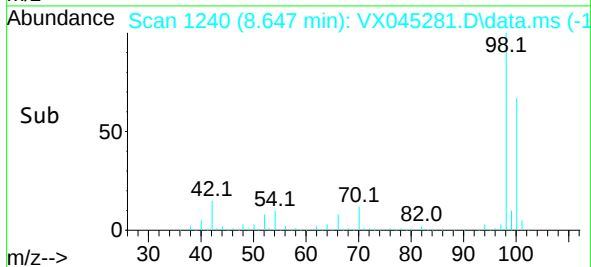
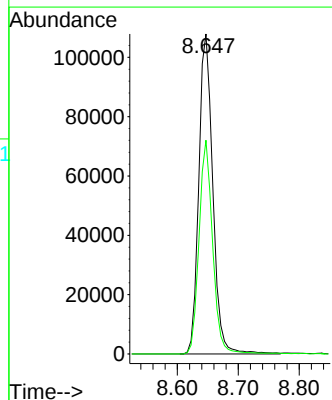
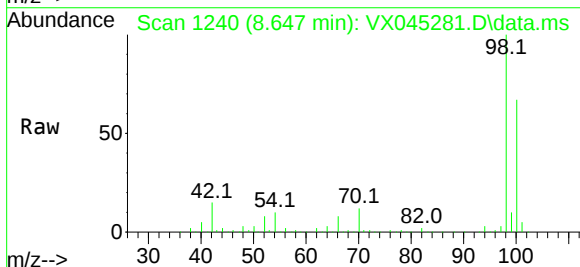
Acq: 13 Mar 2025 19:48

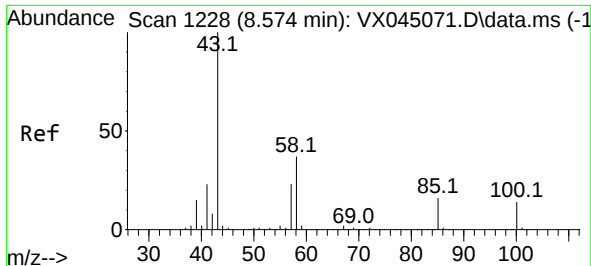
Tgt Ion: 98 Resp: 172478

Ion Ratio Lower Upper

98 100

100 65.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.614 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX045281.D

Acq: 13 Mar 2025 19:48

Instrument :

MSVOA_X

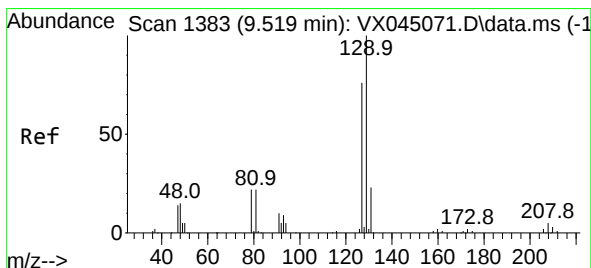
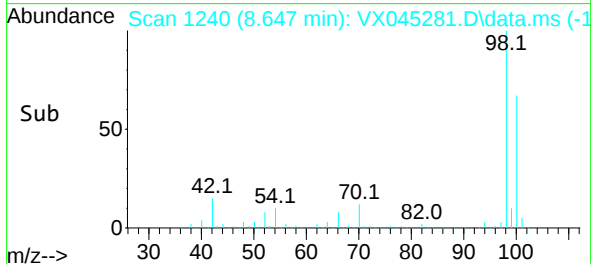
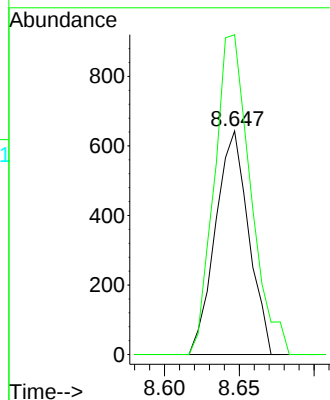
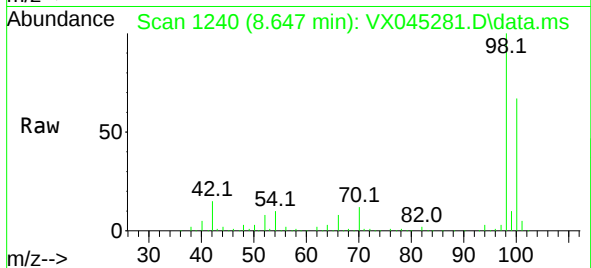
ClientSampleId :

Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

58 156.1 29.2 43.8#



#60

Dibromochloromethane

Concen: 2.076 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. -0.244 min

Lab File: VX045281.D

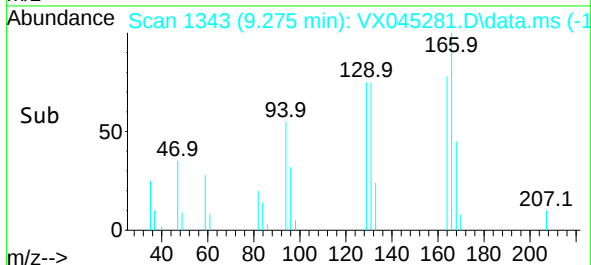
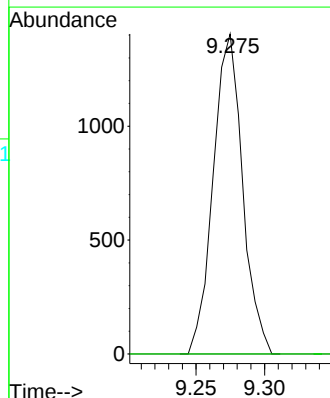
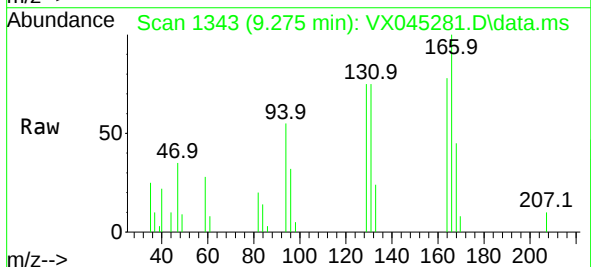
Acq: 13 Mar 2025 19:48

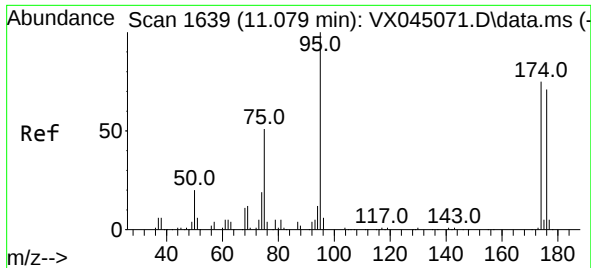
Tgt Ion: 129 Resp: 2092

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#

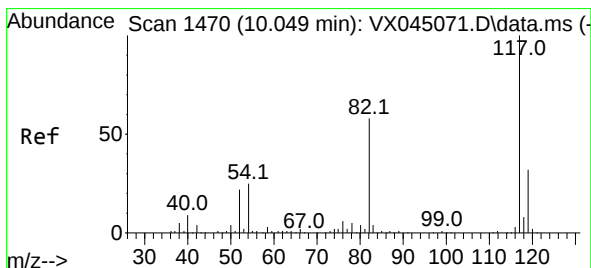
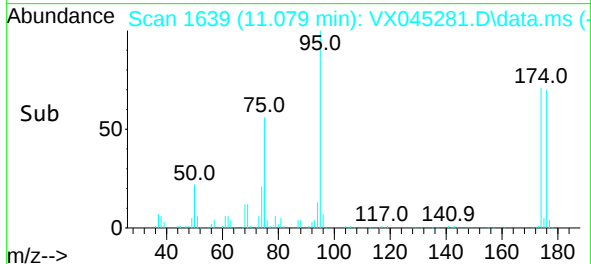
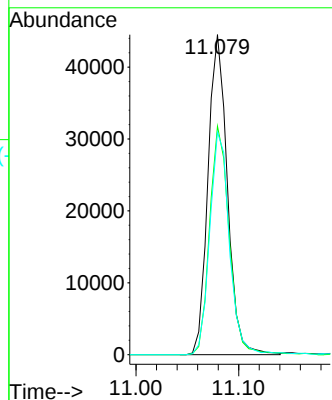
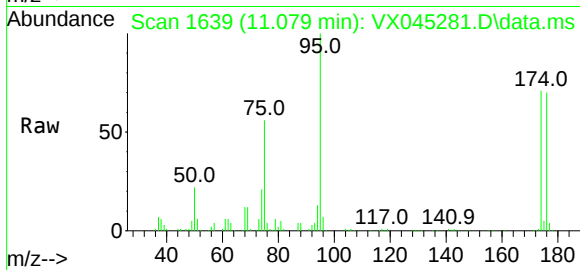




#62
4-Bromofluorobenzene
Concen: 52.671 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

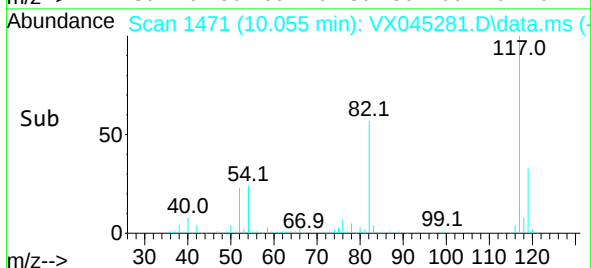
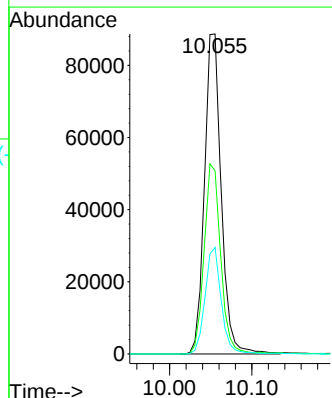
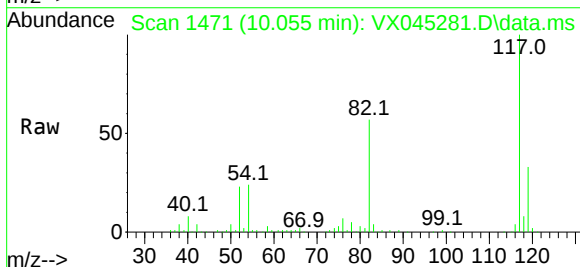
Instrument :
MSVOA_X
ClientSampleId :

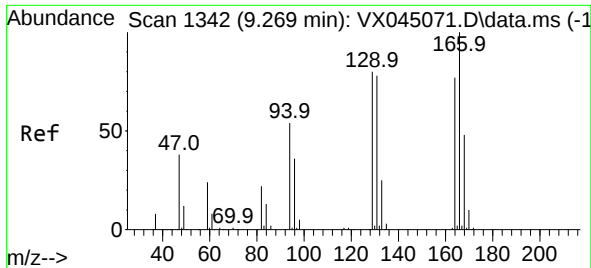
Tgt Ion: 95 Resp: 58312
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.2
176 70.9 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

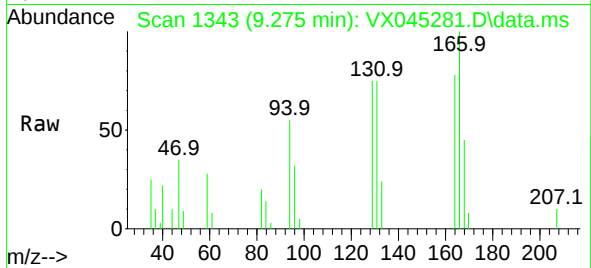
Tgt Ion: 117 Resp: 125719
Ion Ratio Lower Upper
117 100
82 57.2 46.3 69.5
119 33.3 25.7 38.5



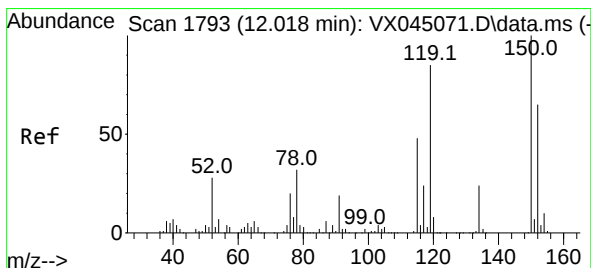
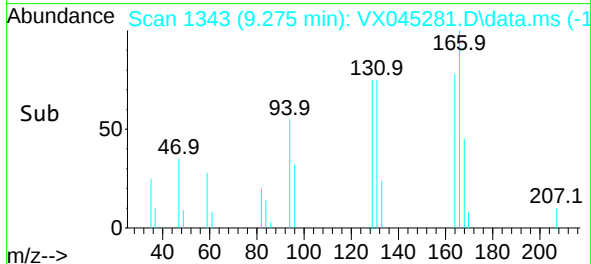
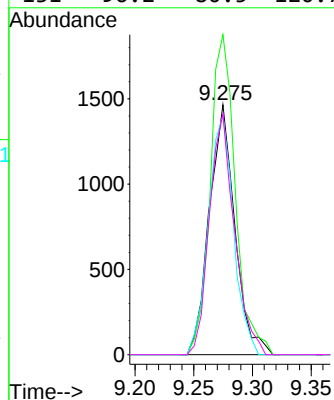


#64
Tetrachloroethene
Concen: 2.755 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :

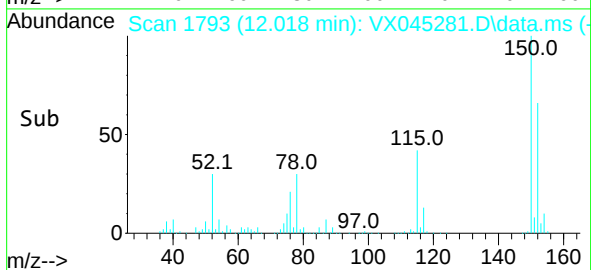
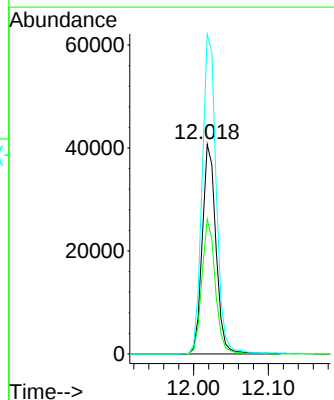
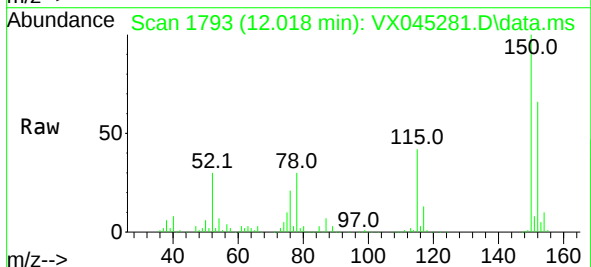


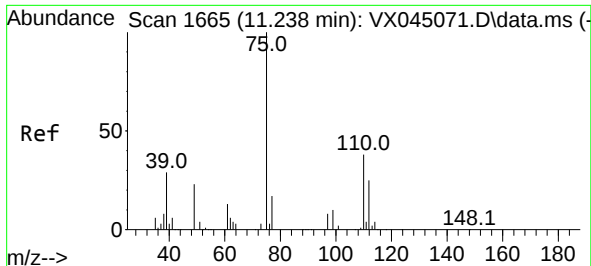
Tgt Ion:164 Resp: 2218
Ion Ratio Lower Upper
164 100
166 128.1 103.6 155.4
129 95.9 82.7 124.1
131 96.2 80.5 120.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion:152 Resp: 51927
Ion Ratio Lower Upper
152 100
115 63.1 44.2 132.6
150 157.2 0.0 349.0

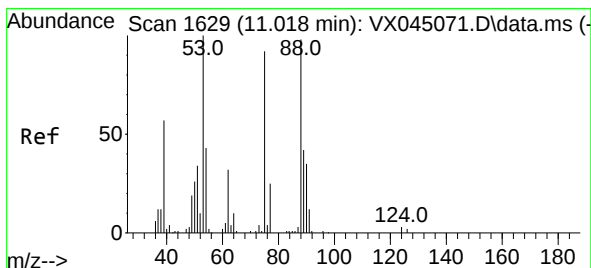
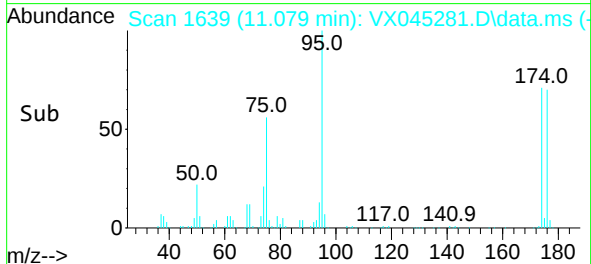
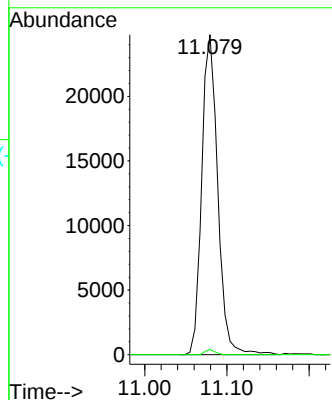
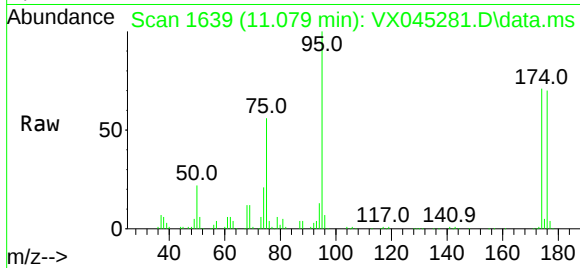




#76
1,2,3-Trichloropropane
Concen: 27.714 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33495
Ion Ratio Lower Upper
75 100
77 1.0 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.842 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045281.D
Acq: 13 Mar 2025 19:48

Tgt Ion: 75 Resp: 33495
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#

