

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
 Data File : VX045202.D
 Acq On : 10 Mar 2025 17:35
 Operator : JC/MD
 Sample : Q1531-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 11 03:59:58 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)

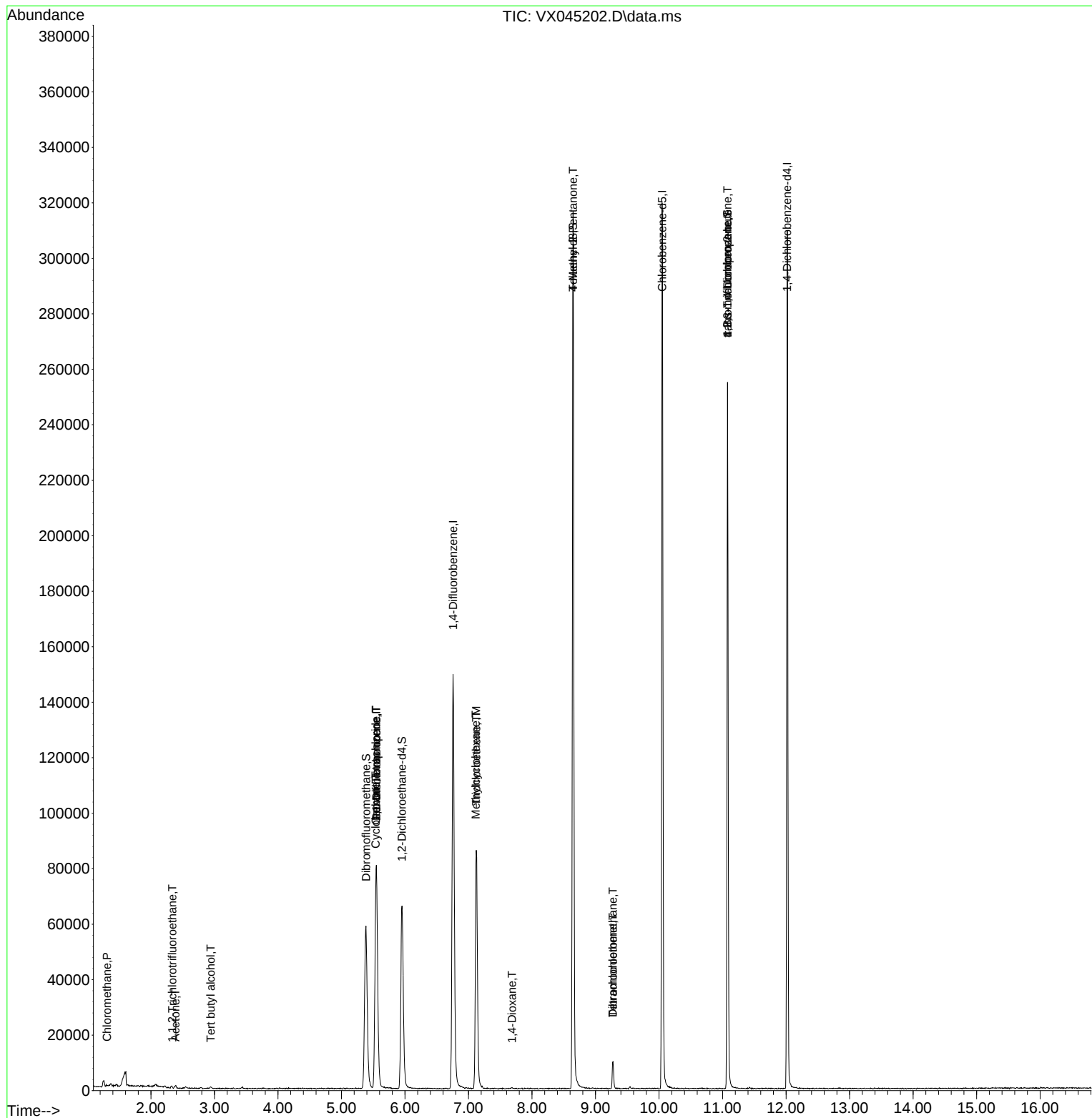
Internal Standards						
1) Pentafluorobenzene	5.550	168	75048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150324	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63579	53.260	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.520%	
35) Dibromofluoromethane	5.385	113	51874	51.607	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.220%	
50) Toluene-d8	8.647	98	188604	51.756	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.520%	
62) 4-Bromofluorobenzene	11.079	95	64031	53.025	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.060%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	299	0.259	ug/l #	43
9) 1,1,2-Trichlorotrifluo...	2.337	101	304	0.349	ug/l #	83
11) Tert butyl alcohol	2.941	59	129	0.571	ug/l #	73
16) Acetone	2.386	43	1164	2.102	ug/l #	87
31) Cyclohexane	5.538	56	1968	1.212	ug/l #	49
36) 1,1-Dichloropropene	5.550	75	6737	4.887	ug/l #	48
38) Carbon Tetrachloride	5.544	117	8196	5.856	ug/l #	18
39) Methylcyclohexane	7.117	83	347	0.210	ug/l #	1
44) Trichloroethene	7.123	130	32531	31.827	ug/l	99
49) 1,4-Dioxane	7.684	88	202	7.267	ug/l #	64
51) 4-Methyl-2-Pentanone	8.647	43	968	0.549	ug/l #	1
60) Dibromochloromethane	9.275	129	1966	1.788	ug/l #	11
64) Tetrachloroethene	9.275	164	1881	2.118	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	35227	25.691	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35227	87.919	ug/l #	6

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
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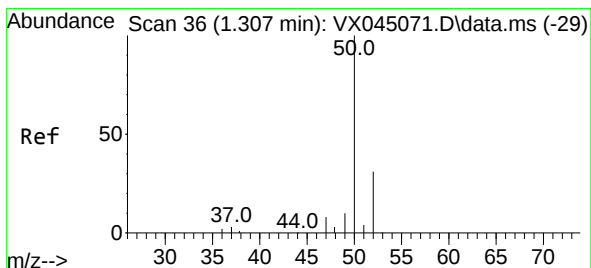
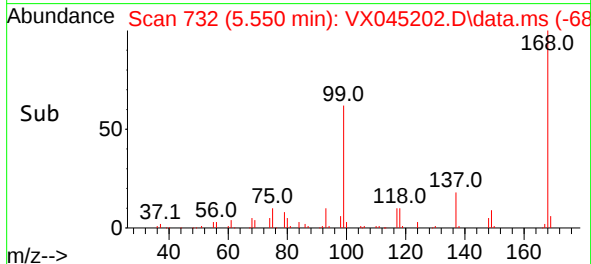
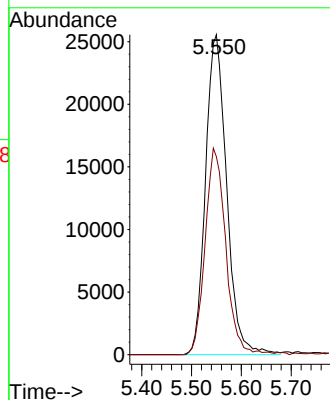
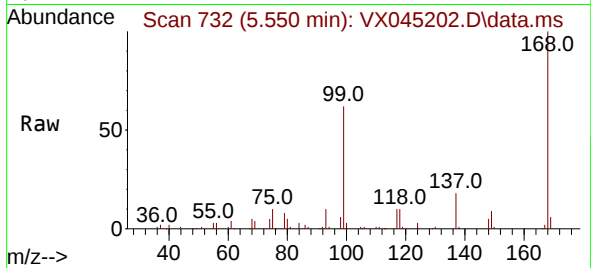




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

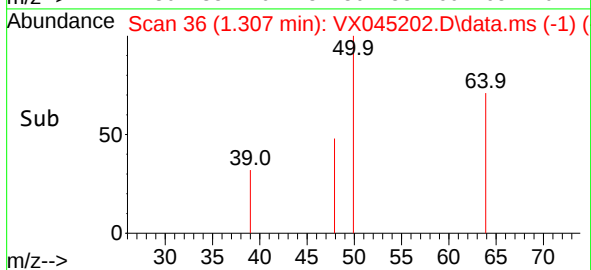
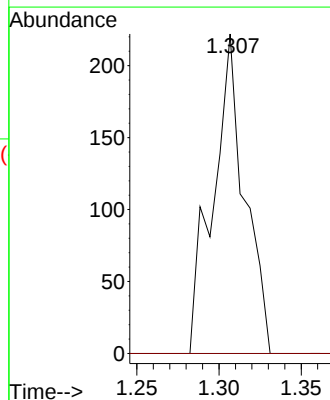
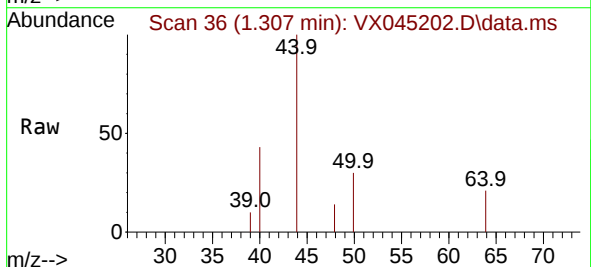
Instrument :
MSVOA_X
ClientSampleId :

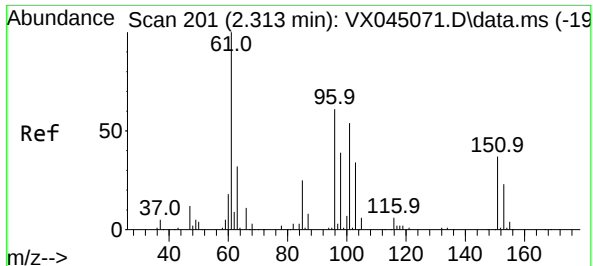
Tgt Ion:168 Resp: 75048
Ion Ratio Lower Upper
168 100
99 61.9 48.2 72.4



#3
Chloromethane
Concen: 0.259 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 50 Resp: 299
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

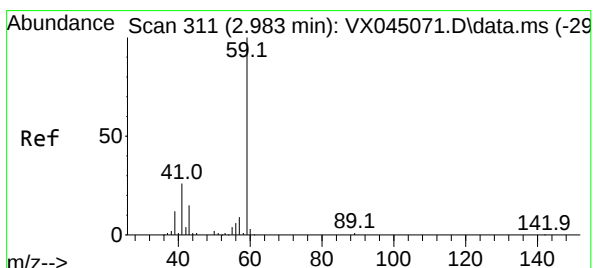
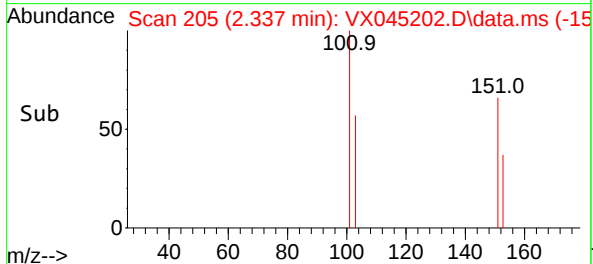
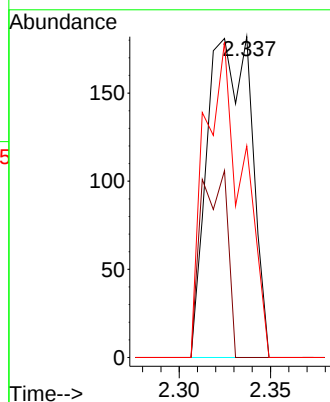
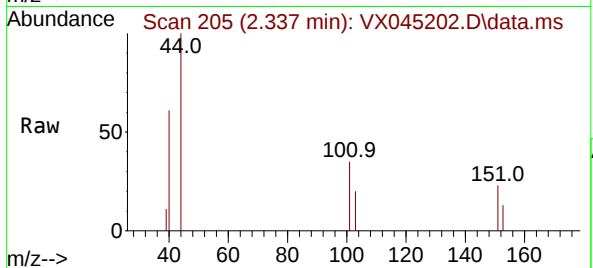




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.349 ug/l
RT: 2.337 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

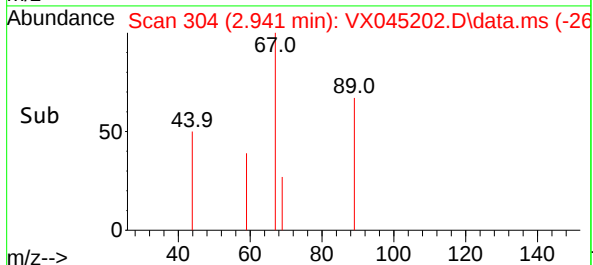
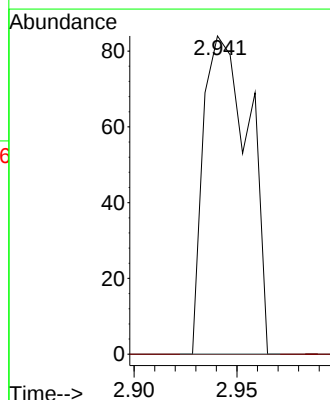
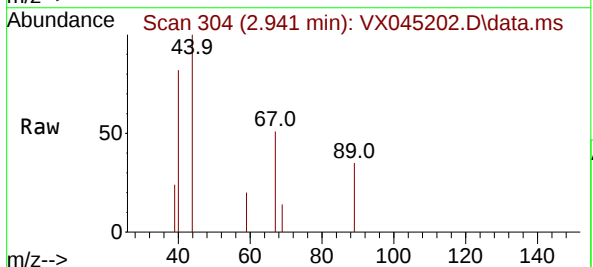
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:101 Resp: 304
Ion Ratio Lower Upper
101 100
85 34.9 36.2 54.4#
151 85.2 56.4 84.6#



#11
Tert butyl alcohol
Concen: 0.571 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

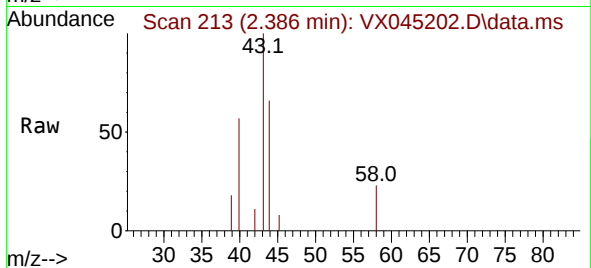
Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



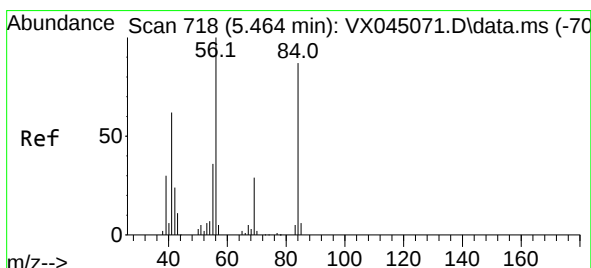
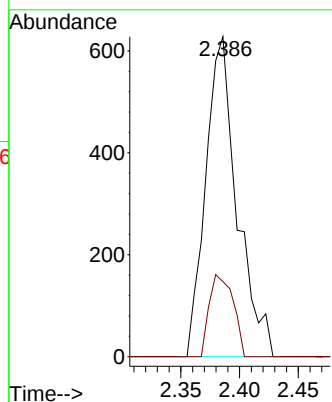
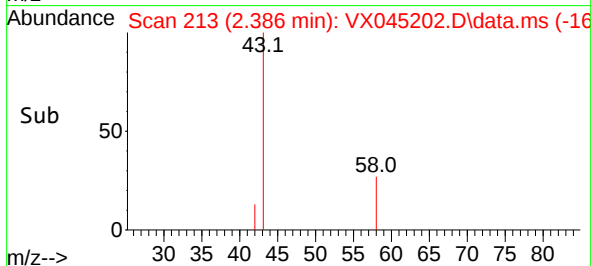


#16
Acetone
Concen: 2.102 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

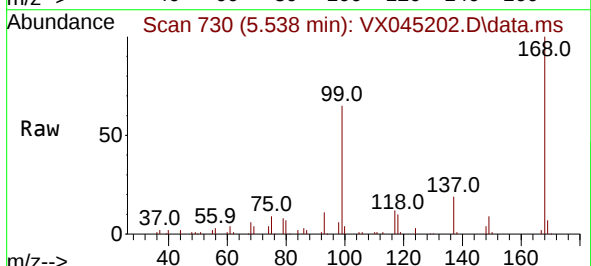
Instrument :
MSVOA_X
ClientSampleId :



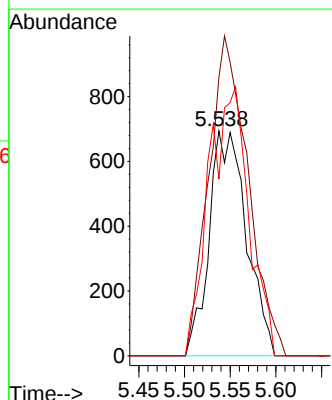
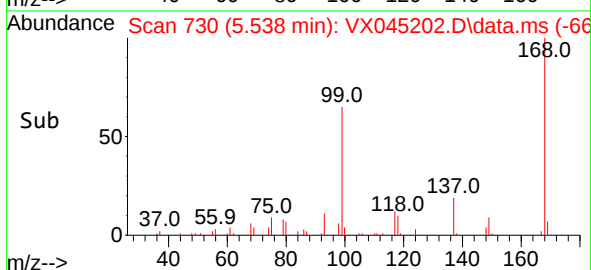
Tgt Ion: 43 Resp: 1164
Ion Ratio Lower Upper
43 100
58 23.4 24.2 36.4#



#31
Cyclohexane
Concen: 1.212 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35



Tgt Ion: 56 Resp: 1968
Ion Ratio Lower Upper
56 100
69 123.8 23.4 35.2#
84 78.5 69.4 104.2

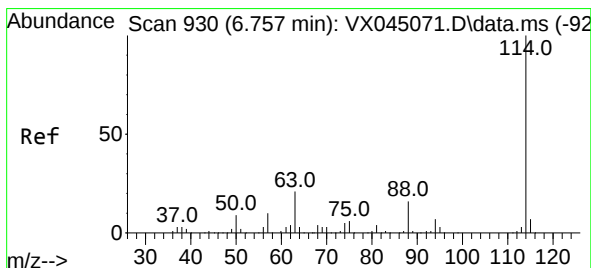
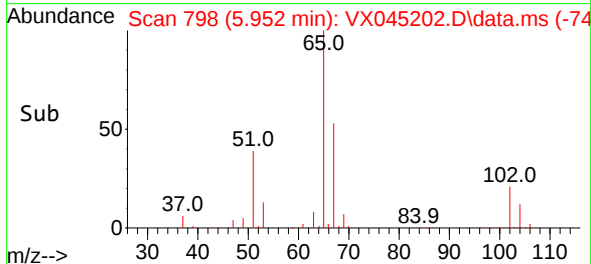
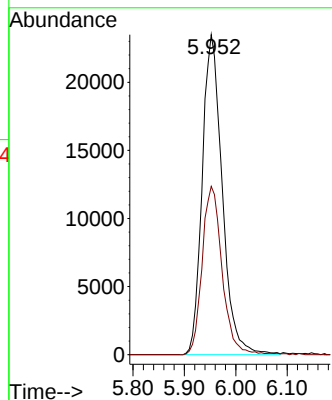
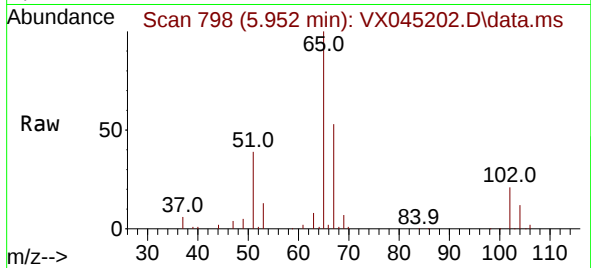




#33
 1,2-Dichloroethane-d4
 Concen: 53.260 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX045202.D
 Acq: 10 Mar 2025 17:35

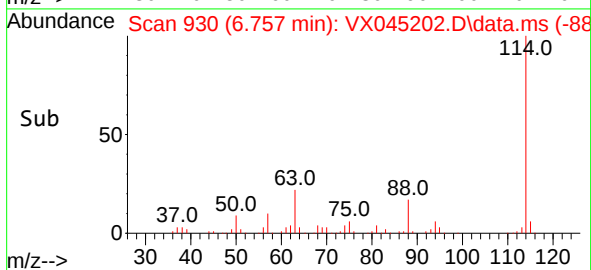
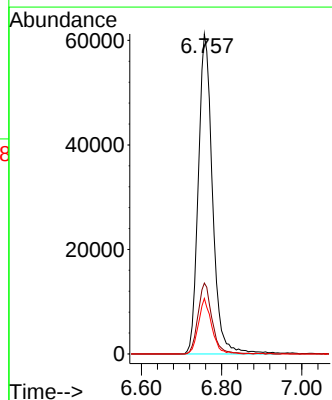
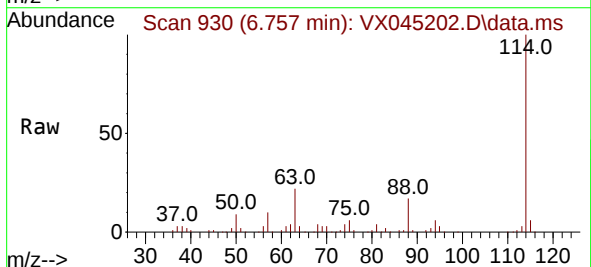
Instrument :
 MSVOA_X
 ClientSampleId :

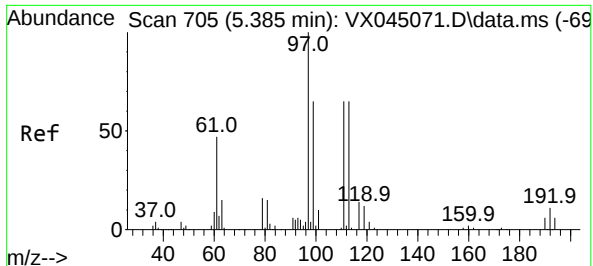
Tgt Ion: 65 Resp: 63579
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX045202.D
 Acq: 10 Mar 2025 17:35

Tgt Ion: 114 Resp: 150324
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 41.8
 88 17.3 0.0 32.8

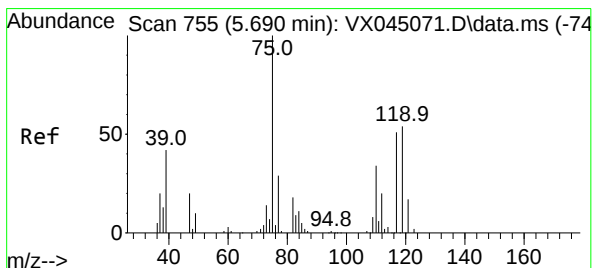
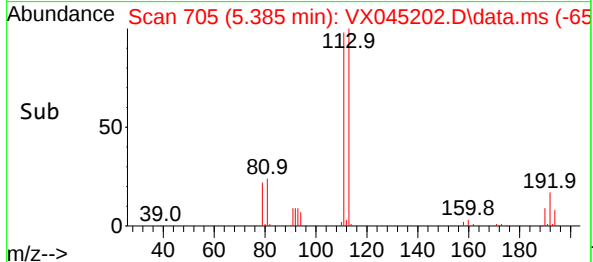
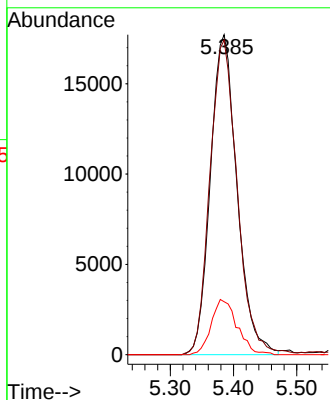
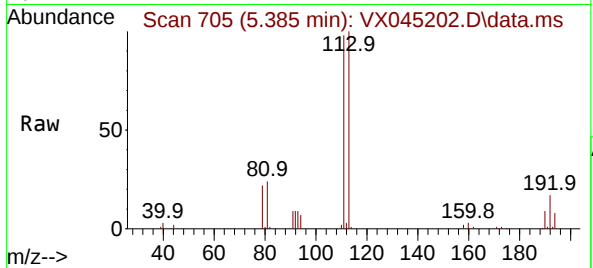




#35
Dibromofluoromethane
Concen: 51.607 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

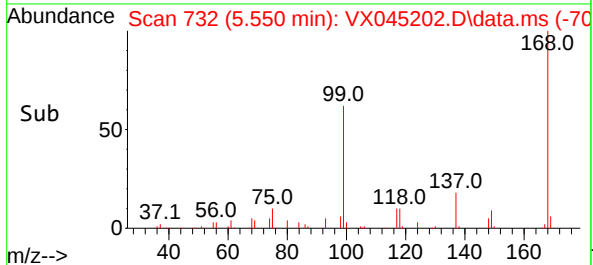
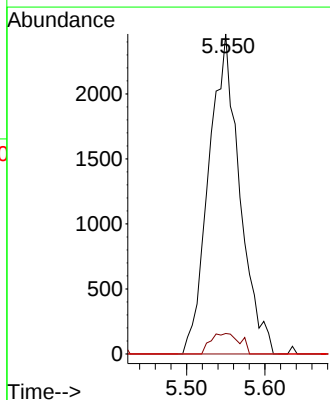
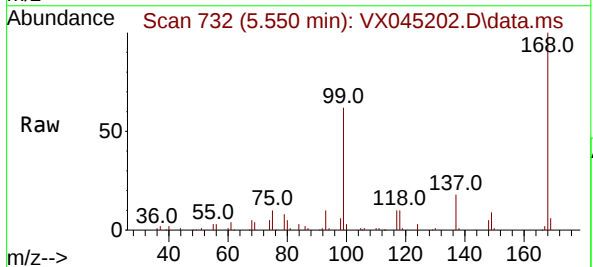
Instrument :
MSVOA_X
ClientSampleId :

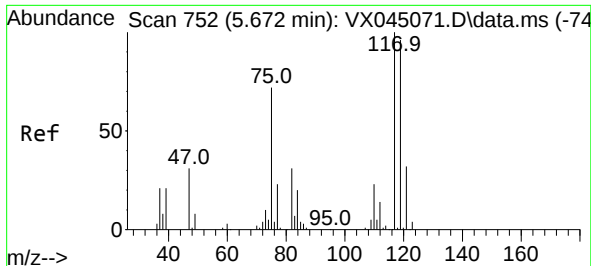
Tgt Ion:113 Resp: 51874
Ion Ratio Lower Upper
113 100
111 100.4 81.8 122.6
192 16.8 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

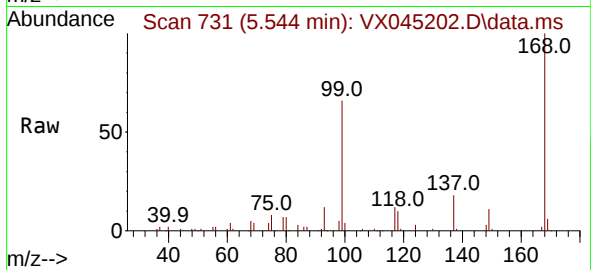
Tgt Ion: 75 Resp: 6737
Ion Ratio Lower Upper
75 100
110 6.0 16.9 50.6#
77 0.0 24.5 36.7#



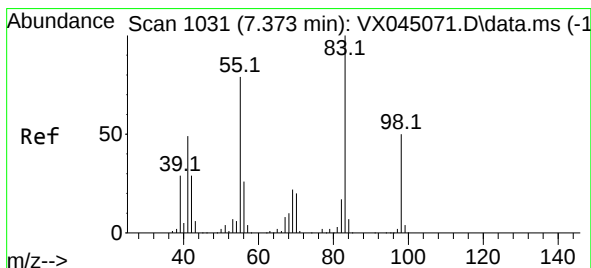
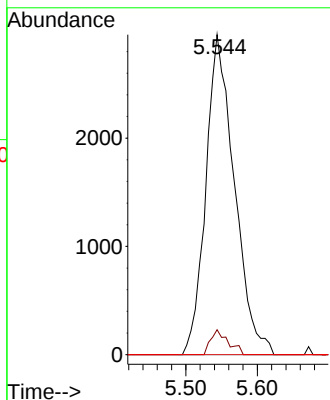
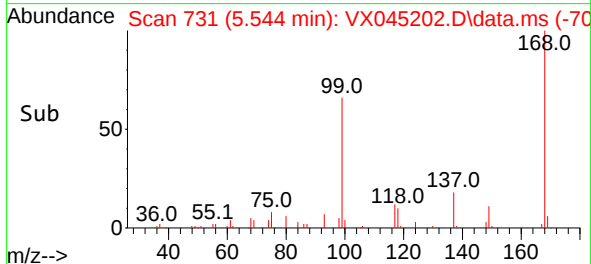


#38
Carbon Tetrachloride
Concen: 5.856 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :

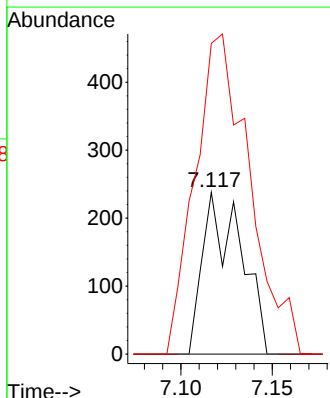
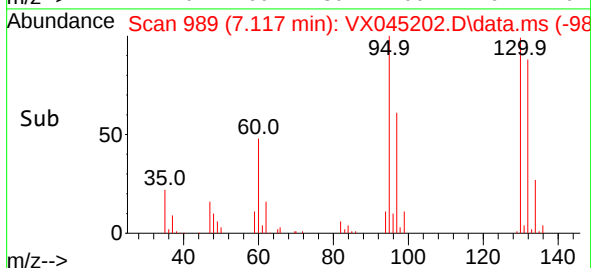
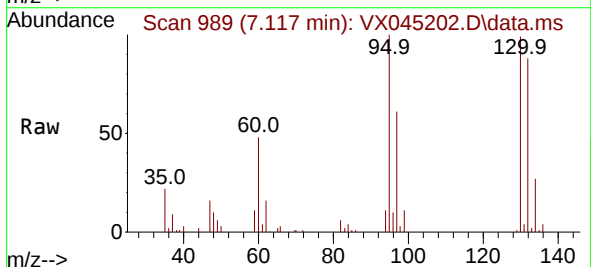


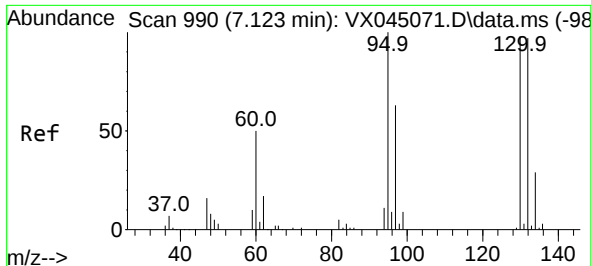
Tgt Ion:117 Resp: 8196
Ion Ratio Lower Upper
117 100
119 7.8 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 0.210 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 83 Resp: 347
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 163.4 39.7 59.5#

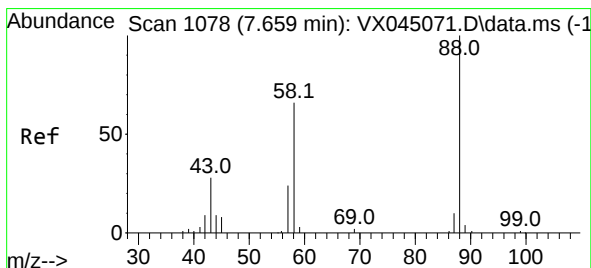
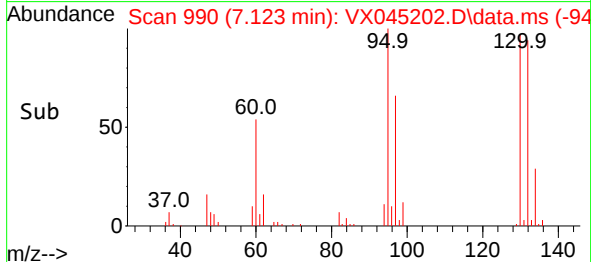
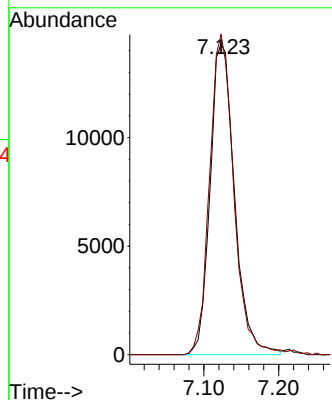
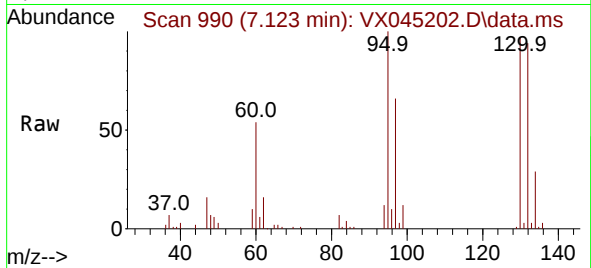




#44
Trichloroethene
Concen: 31.827 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

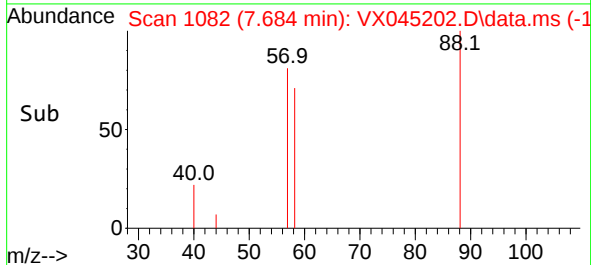
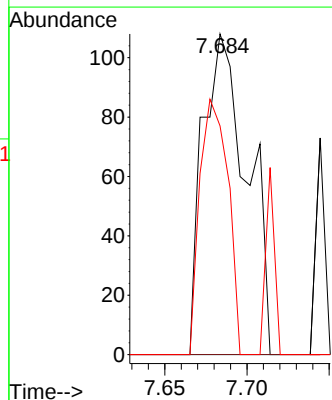
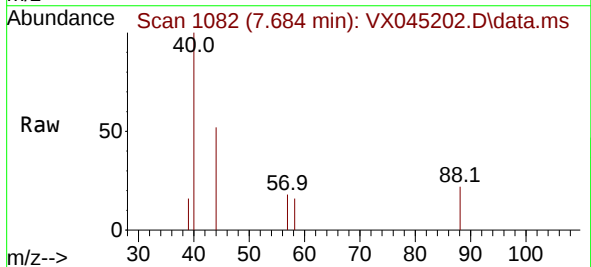
Instrument :
MSVOA_X
ClientSampleId :

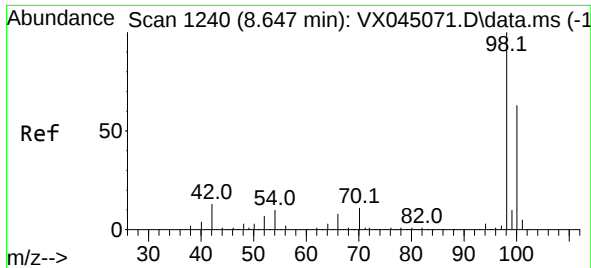
Tgt Ion:130 Resp: 32531
Ion Ratio Lower Upper
130 100
95 103.1 0.0 205.0



#49
1,4-Dioxane
Concen: 7.267 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 88 Resp: 202
Ion Ratio Lower Upper
88 100
43 0.0 28.7 43.1#
58 50.5 55.8 83.8#

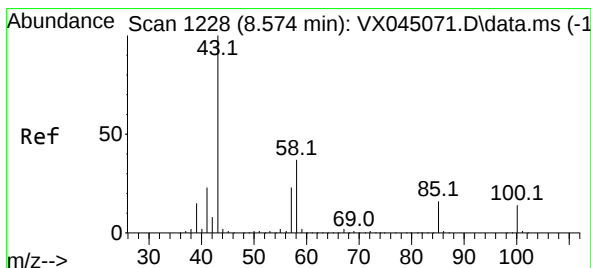
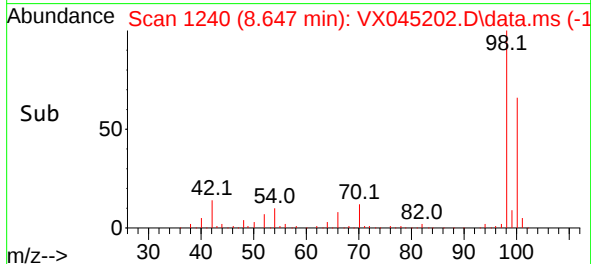
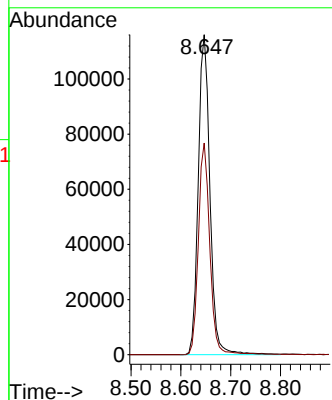
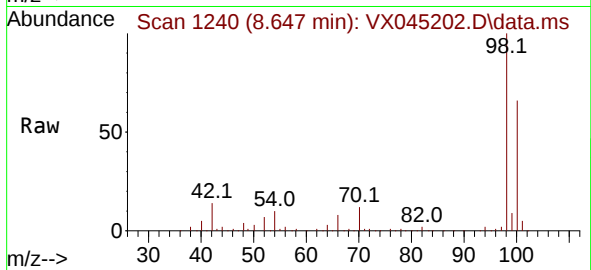




#50
Toluene-d8
Concen: 51.756 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

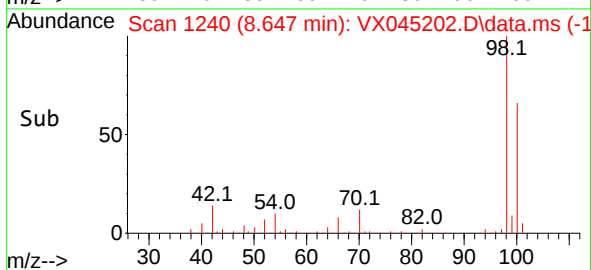
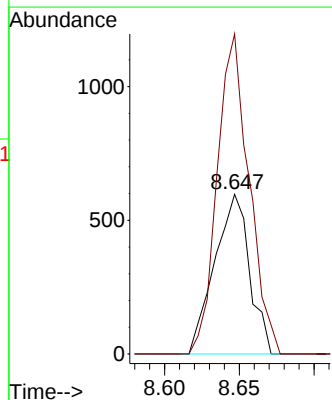
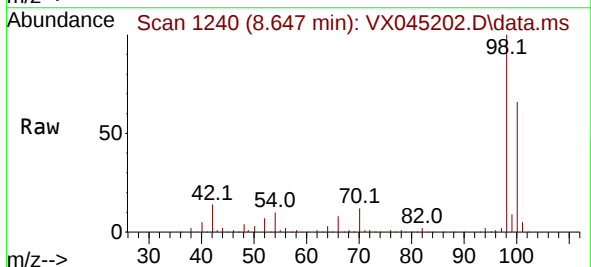
Instrument :
MSVOA_X
ClientSampleId :

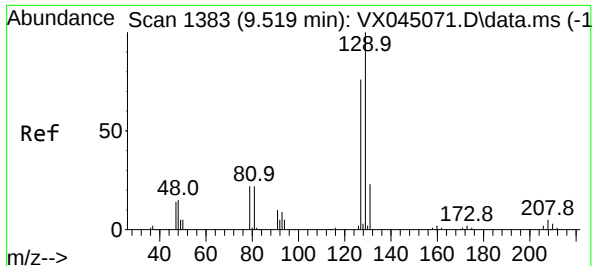
Tgt Ion: 98 Resp: 188604
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.549 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 43 Resp: 968
Ion Ratio Lower Upper
43 100
58 183.0 29.2 43.8#

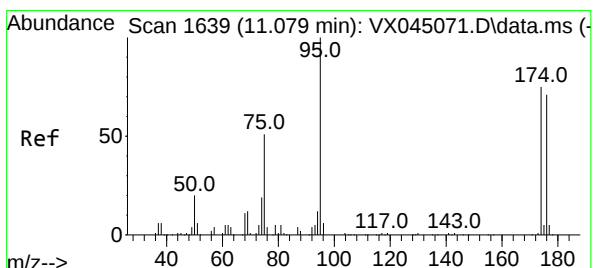
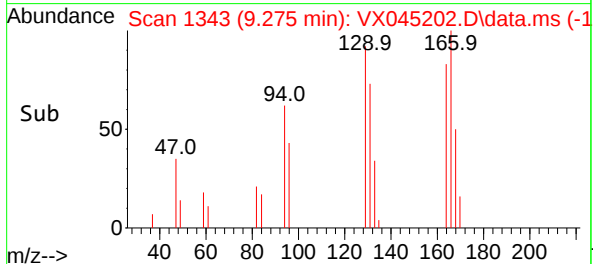
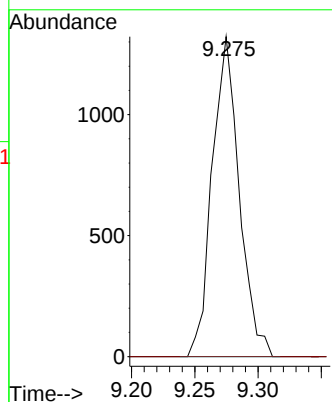
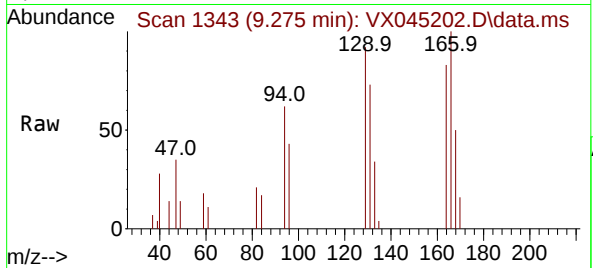




#60
Dibromochloromethane
Concen: 1.788 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

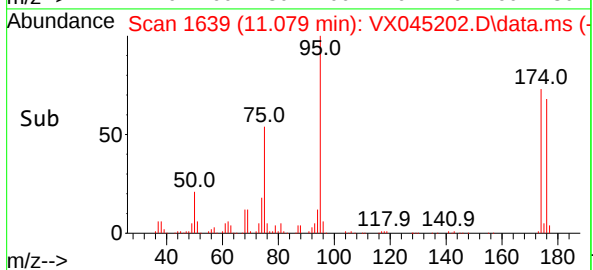
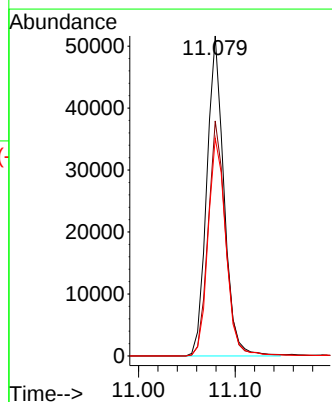
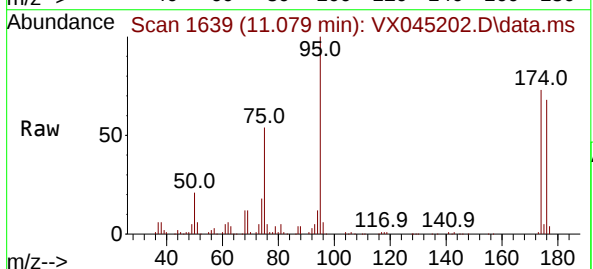
Instrument :
MSVOA_X
ClientSampleId :

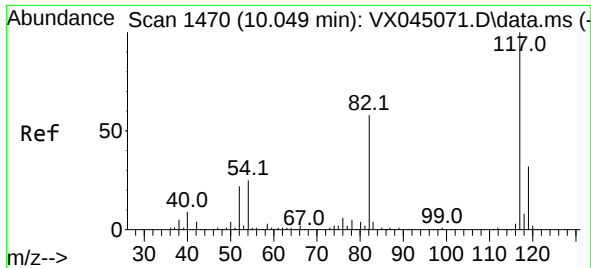
Tgt Ion:129 Resp: 1966
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 53.025 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 95 Resp: 64031
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.2
176 70.6 0.0 141.4

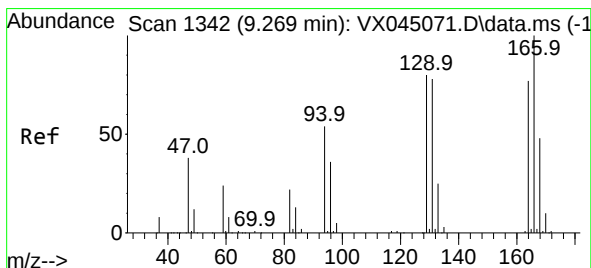
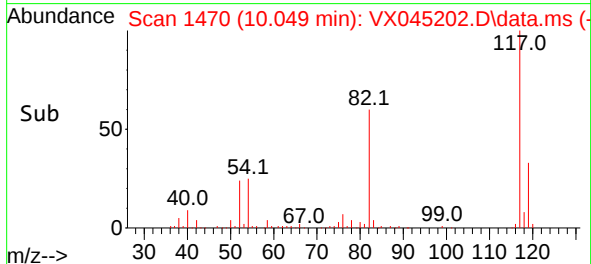
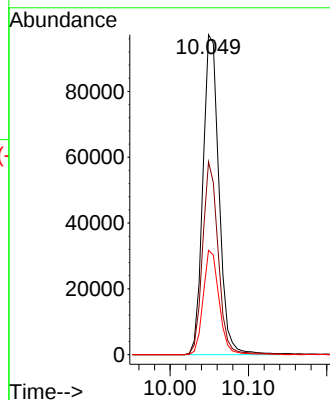
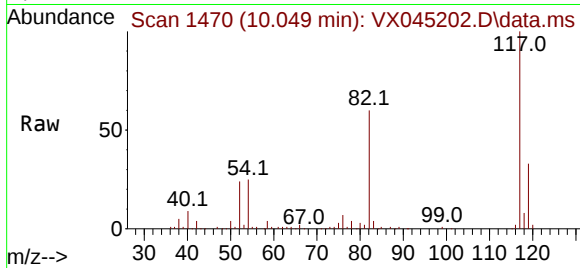




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

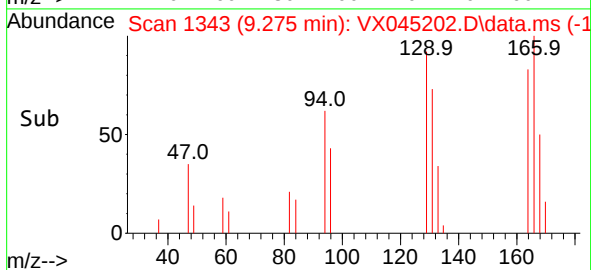
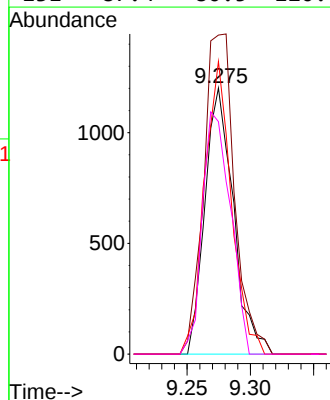
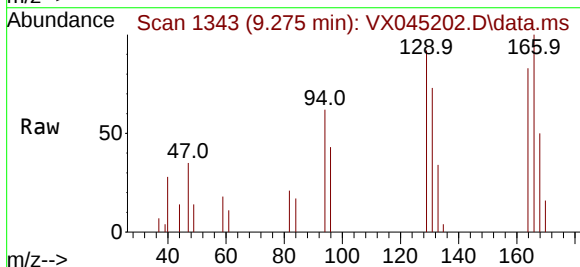
Instrument :
MSVOA_X
ClientSampleId :

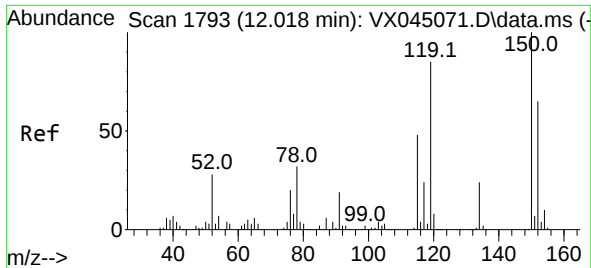
Tgt Ion:117 Resp: 138687
Ion Ratio Lower Upper
117 100
82 60.3 46.3 69.5
119 32.6 25.7 38.5



#64
Tetrachloroethene
Concen: 2.118 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Tgt Ion:164 Resp: 1881
Ion Ratio Lower Upper
164 100
166 119.9 103.6 155.4
129 110.0 82.7 124.1
131 87.4 80.5 120.7

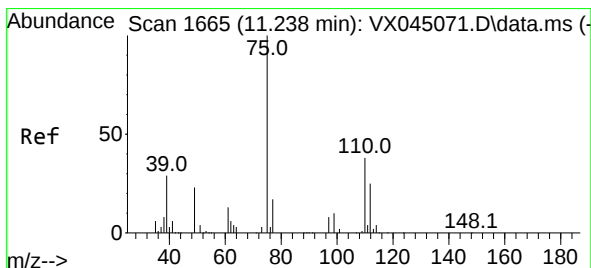
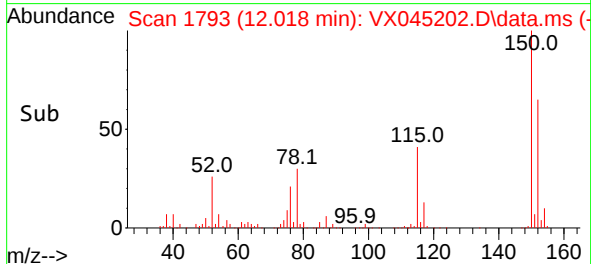
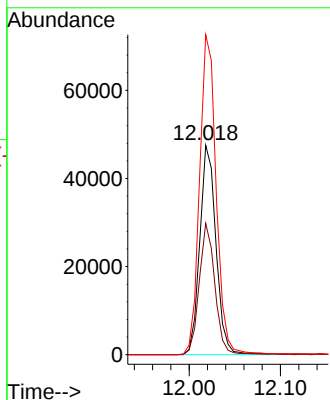
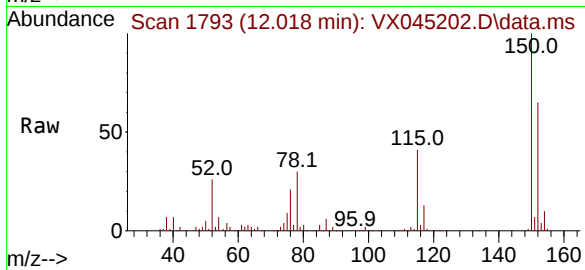




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045202.D
 Acq: 10 Mar 2025 17:35

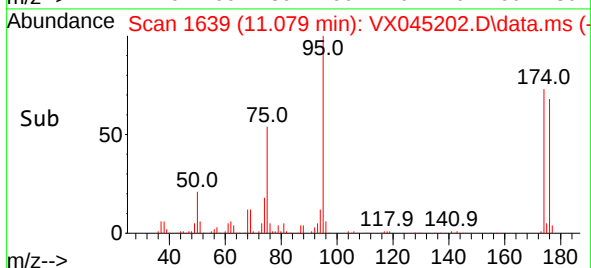
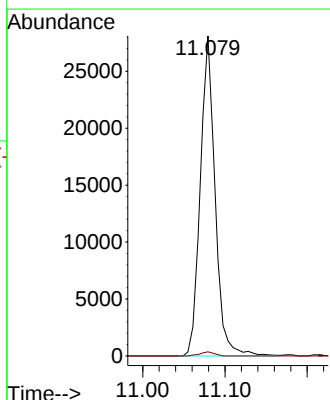
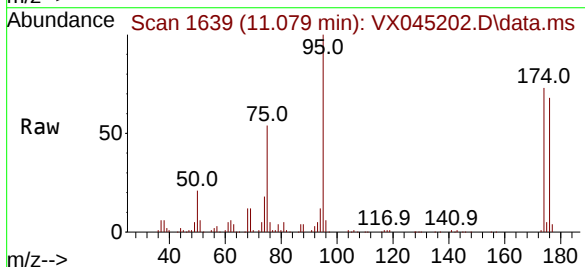
Instrument :
 MSVOA_X
 ClientSampleId :

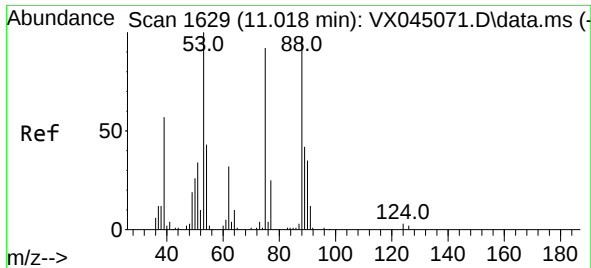
Tgt Ion:152 Resp: 58912
 Ion Ratio Lower Upper
 152 100
 115 60.5 44.2 132.6
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.691 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX045202.D
 Acq: 10 Mar 2025 17:35

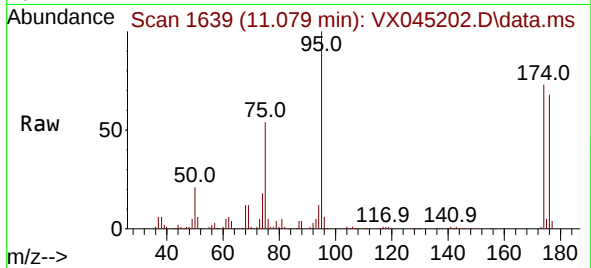
Tgt Ion: 75 Resp: 35227
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.7 62.1#





#81
trans-1,4-Dichloro-2-butene
Concen: 87.919 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX045202.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 35227
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.1 36.2 54.4#

