

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045111.D
 Acq On : 03 Mar 2025 14:31
 Operator : JC/MD
 Sample : Q1478-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 04 05:23:55 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)

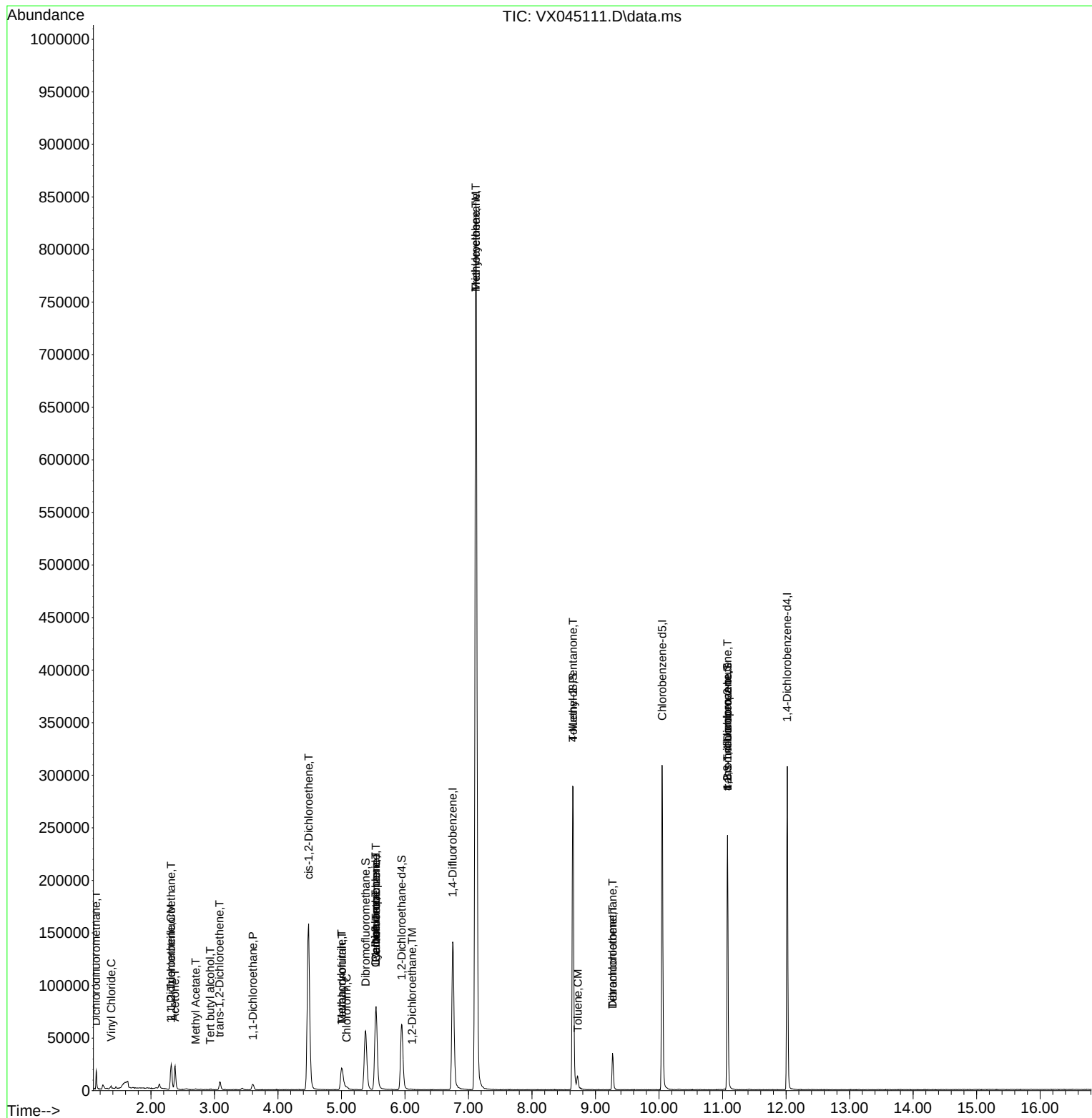
Internal Standards						
1) Pentafluorobenzene	5.544	168	75051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	147850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	59936	50.206	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.420%	
35) Dibromofluoromethane	5.379	113	49528	50.097	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.200%	
50) Toluene-d8	8.647	98	179795	50.164	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	11.079	95	64369	54.197	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.400%	
Target Compounds						
2) Dichlorodifluoromethane	1.136	85	1501	1.589	ug/l	Qvalue 98
4) Vinyl Chloride	1.374	62	783	0.683	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.319	101	7191	8.244	ug/l	97
11) Tert butyl alcohol	2.934	59	157	0.694	ug/l #	73
12) 1,1-Dichloroethene	2.313	96	2227	2.415	ug/l	93
16) Acetone	2.380	43	24079	43.473	ug/l	94
18) Methyl Acetate	2.703	43	779	0.585	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	3068	3.367	ug/l #	77
24) 1,1-Dichloroethane	3.605	63	6069	3.244	ug/l #	92
27) cis-1,2-Dichloroethene	4.483	96	96850	86.112	ug/l	94
29) Tetrahydrofuran	5.007	42	21760	38.864	ug/l	99
30) Chloroform	5.080	83	1737	0.934	ug/l	85
31) Cyclohexane	5.538	56	1910	1.176	ug/l #	40
36) 1,1-Dichloropropene	5.538	75	6453	4.760	ug/l #	50
38) Carbon Tetrachloride	5.544	117	7742	5.625	ug/l #	14
39) Methylcyclohexane	7.117	83	3931	2.420	ug/l #	1
41) Methacrylonitrile	5.001	41	12374	13.099	ug/l #	50
42) 1,2-Dichloroethane	6.111	62	730	0.473	ug/l #	75
44) Trichloroethene	7.117	130	305750	304.139	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	963	0.555	ug/l #	1
52) Toluene	8.720	92	4408	1.755	ug/l	98
60) Dibromochloromethane	9.269	129	6411	5.929	ug/l #	11
64) Tetrachloroethene	9.269	164	7114	8.192	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	34403	24.788	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	34403	84.829	ug/l #	6

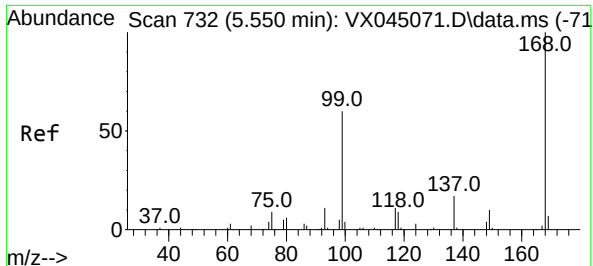
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
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MSVOA_X
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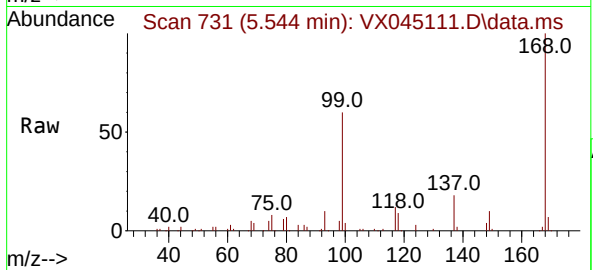
Quant Time: Mar 04 05:23:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



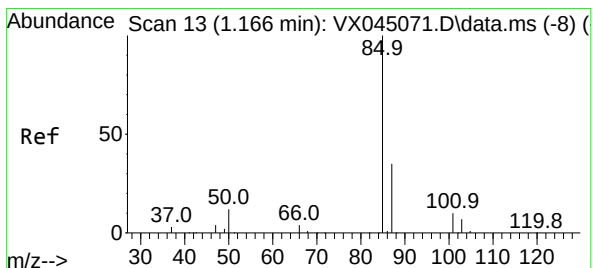
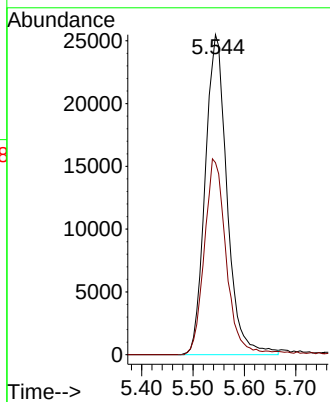
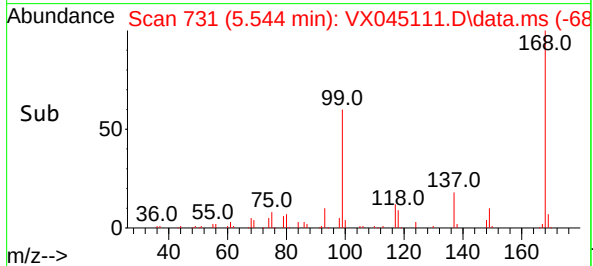


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

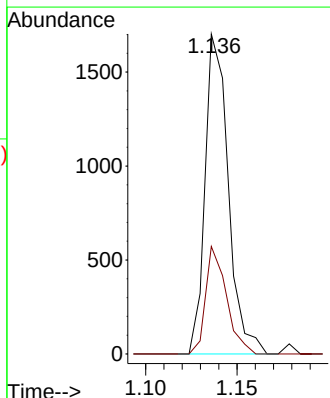
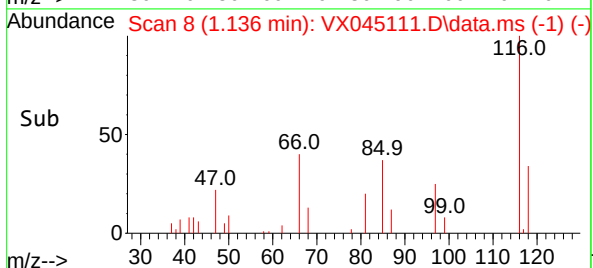
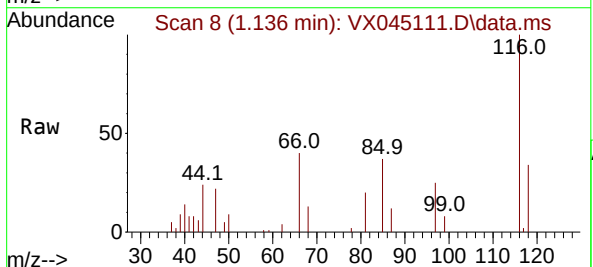


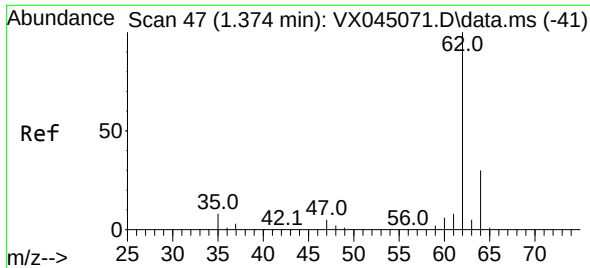
Tgt Ion:168 Resp: 75051
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.4



#2
Dichlorodifluoromethane
Concen: 1.589 ug/l
RT: 1.136 min Scan# 8
Delta R.T. -0.031 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 85 Resp: 1501
Ion Ratio Lower Upper
85 100
87 33.6 17.4 52.3

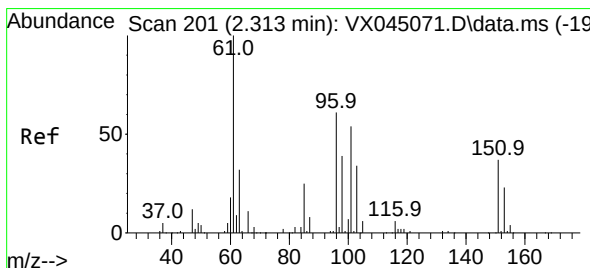
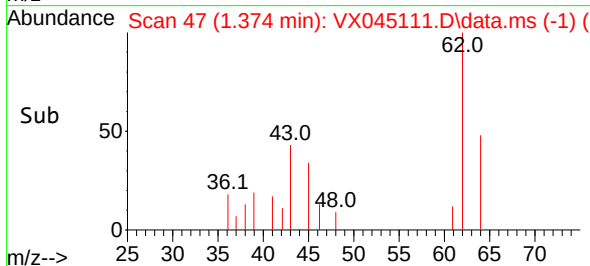
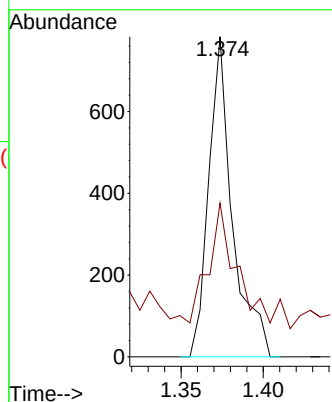
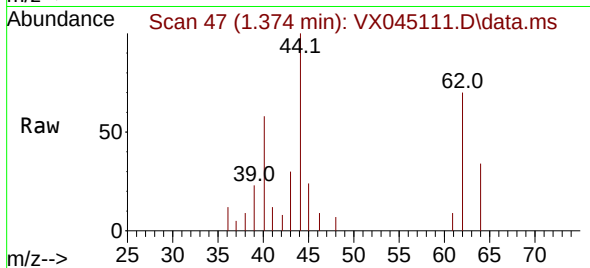




#4
 Vinyl Chloride
 Concen: 0.683 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX045111.D
 Acq: 03 Mar 2025 14:31

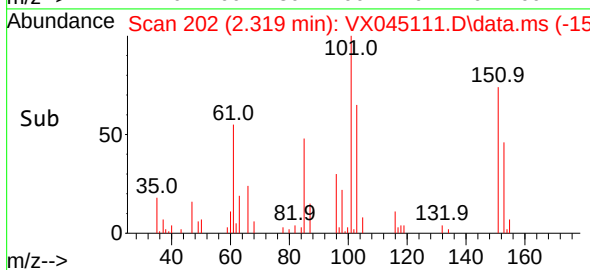
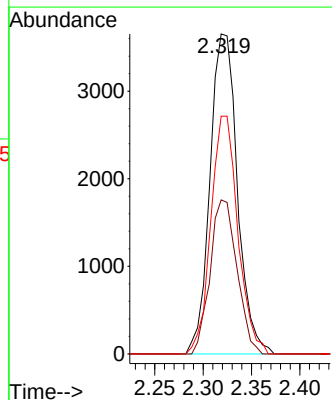
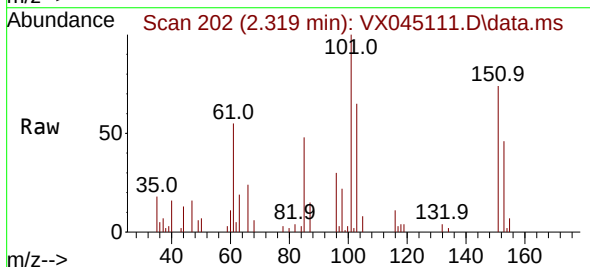
Instrument :
 MSVOA_X
 ClientSampleId :

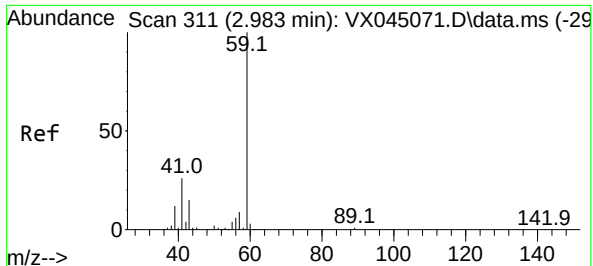
Tgt Ion: 62 Resp: 783
 Ion Ratio Lower Upper
 62 100
 64 35.1 24.3 36.5



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.244 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX045111.D
 Acq: 03 Mar 2025 14:31

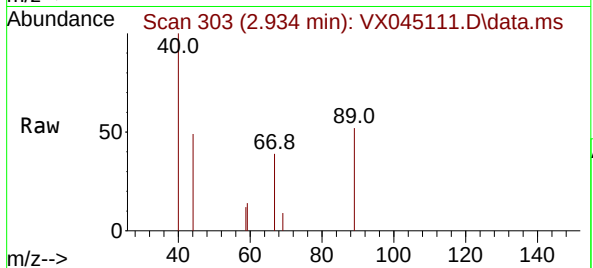
Tgt Ion: 101 Resp: 7191
 Ion Ratio Lower Upper
 101 100
 85 47.1 36.2 54.4
 151 73.3 56.4 84.6



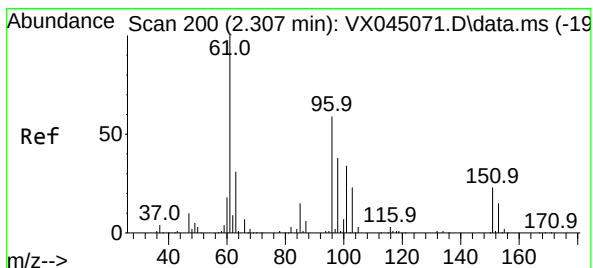
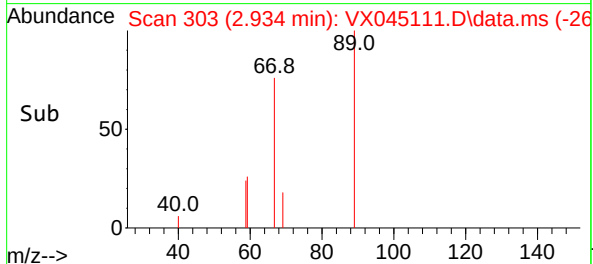
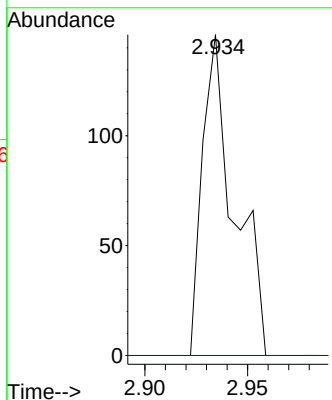


#11
Tert butyl alcohol
Concen: 0.694 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

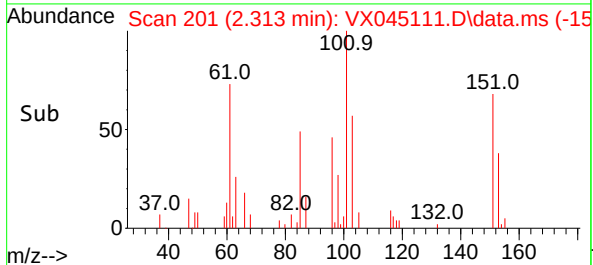
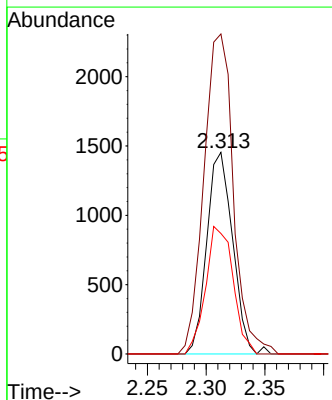
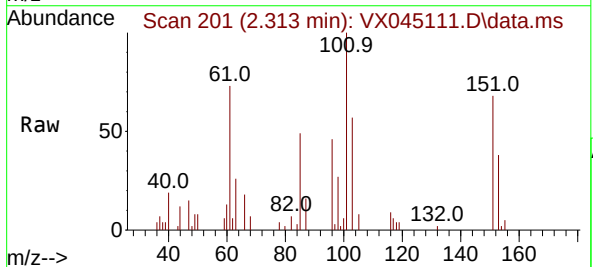


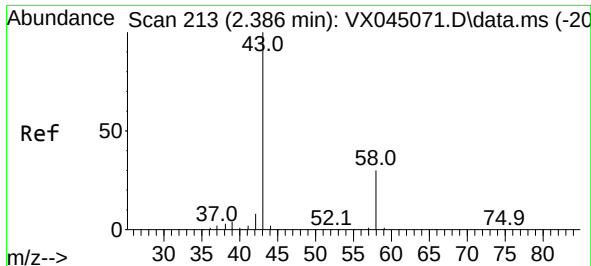
Tgt Ion: 59 Resp: 157
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.415 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 96 Resp: 2227
Ion Ratio Lower Upper
96 100
61 158.7 134.6 202.0
98 59.8 51.0 76.6

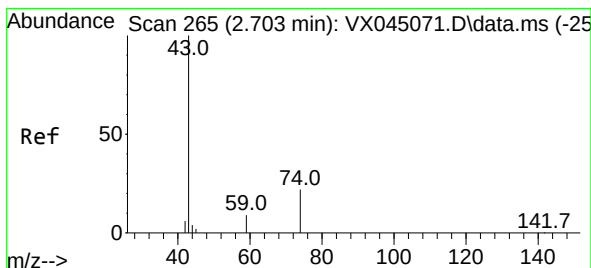
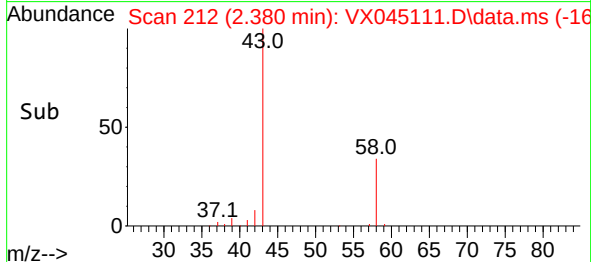
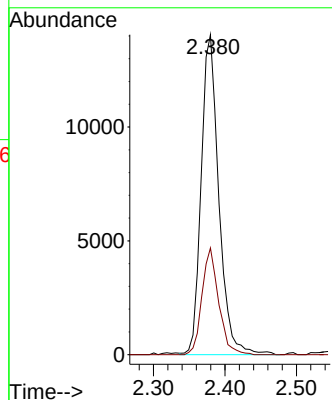
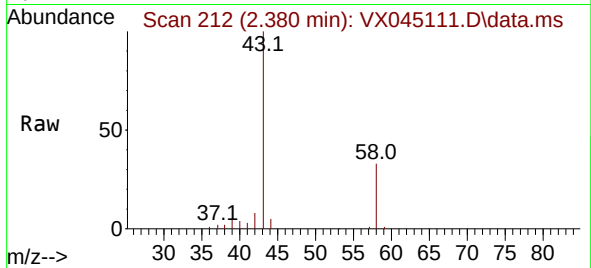




#16
Acetone
Concen: 43.473 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

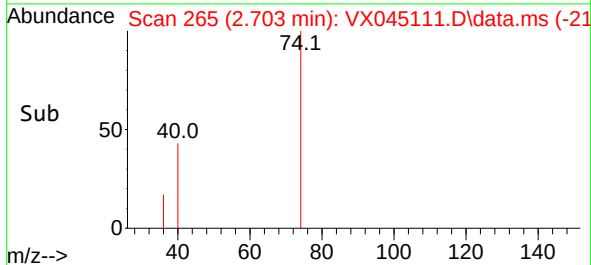
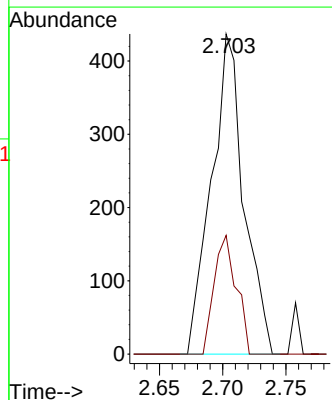
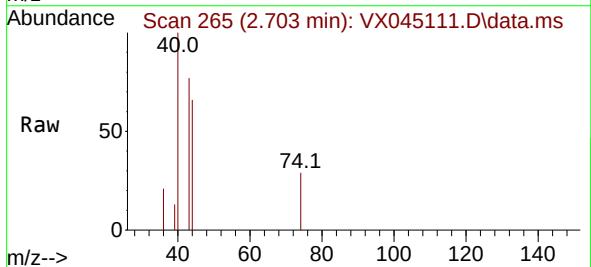
Instrument :
MSVOA_X
ClientSampleId :

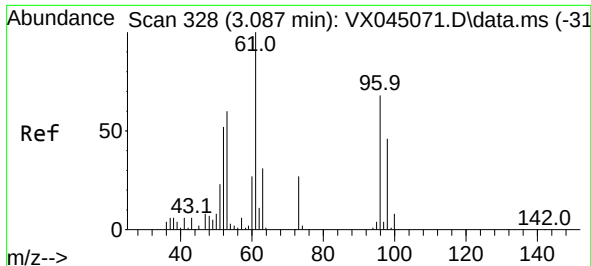
Tgt Ion: 43 Resp: 24079
Ion Ratio Lower Upper
43 100
58 33.4 24.2 36.4



#18
Methyl Acetate
Concen: 0.585 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 43 Resp: 779
Ion Ratio Lower Upper
43 100
74 25.3 17.4 26.2

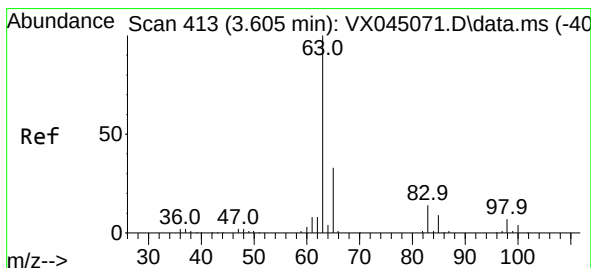
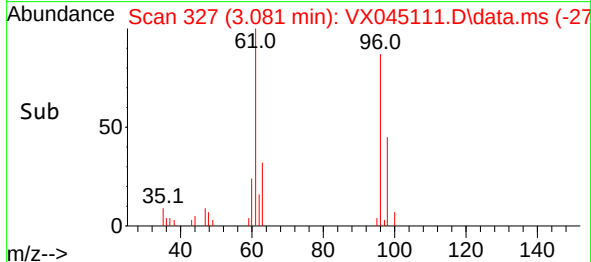
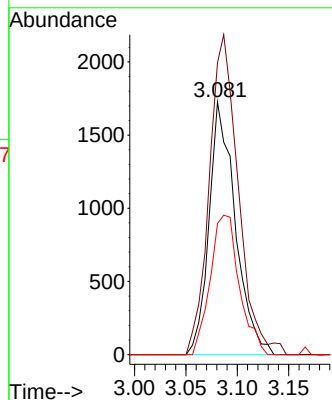
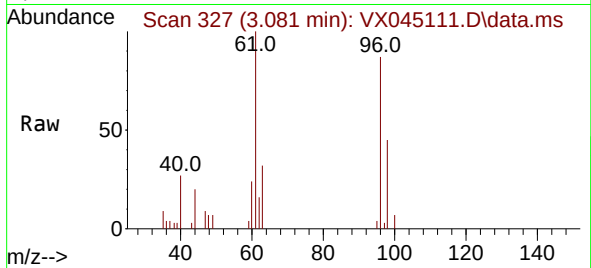




#21
trans-1,2-Dichloroethene
Concen: 3.367 ug/l
RT: 3.081 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

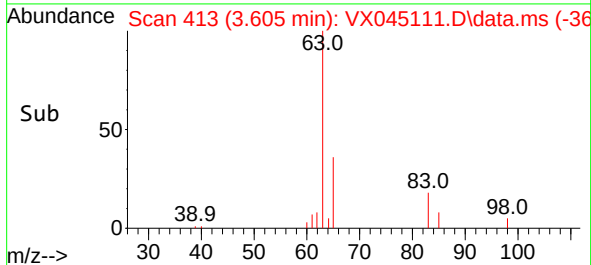
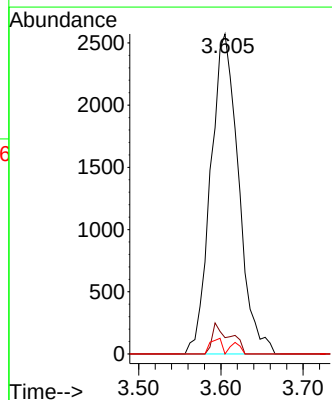
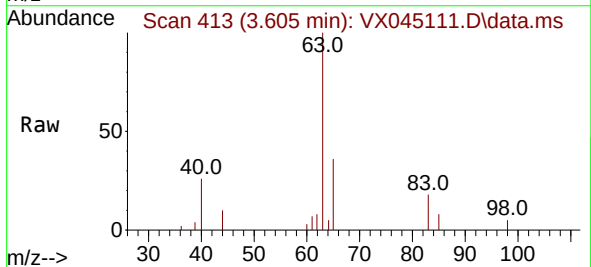
Instrument :
MSVOA_X
ClientSampleId :

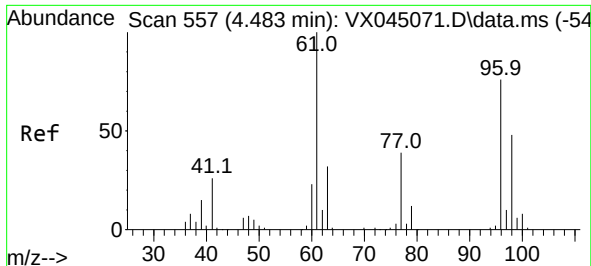
Tgt Ion: 96 Resp: 3068
Ion Ratio Lower Upper
96 100
61 115.5 117.0 175.4#
98 51.8 53.4 80.2#



#24
1,1-Dichloroethane
Concen: 3.244 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

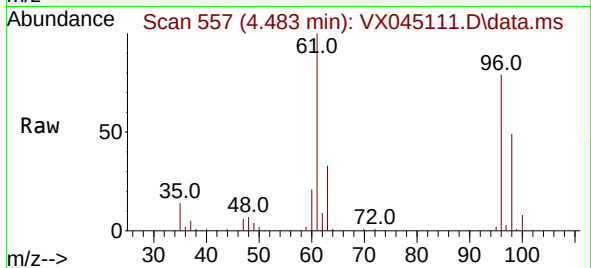
Tgt Ion: 63 Resp: 6069
Ion Ratio Lower Upper
63 100
98 5.1 3.4 10.2
100 0.0 2.1 6.5#



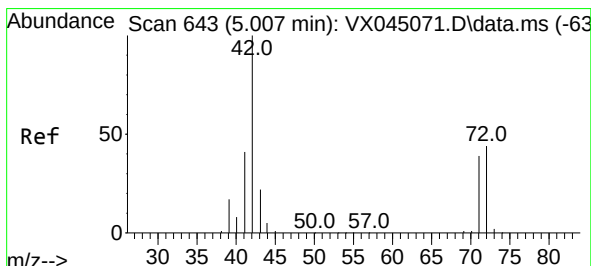
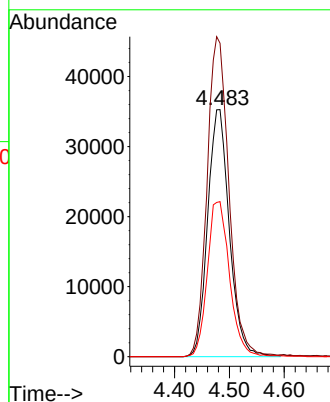
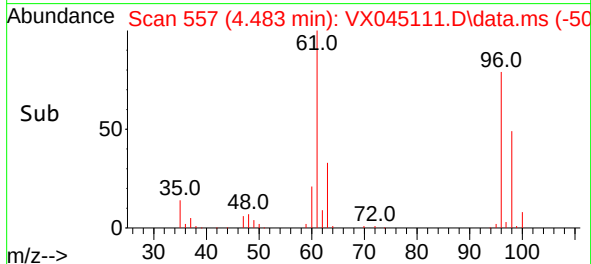


#27
cis-1,2-Dichloroethene
Concen: 86.112 ug/l
RT: 4.483 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

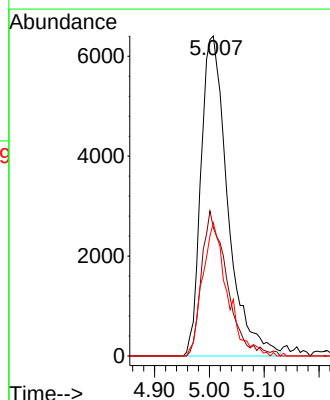
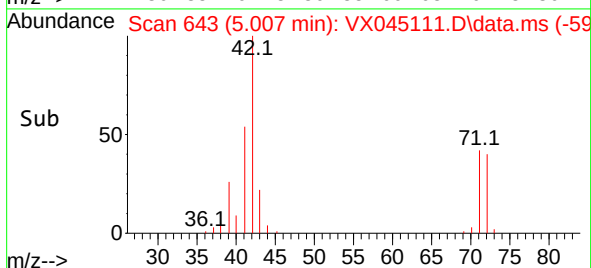
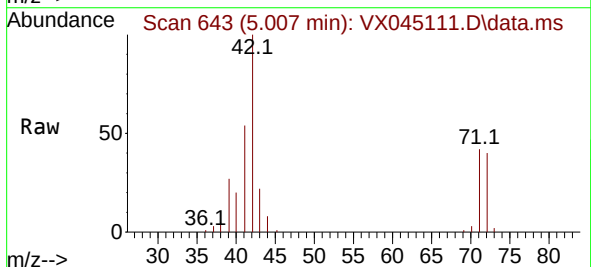


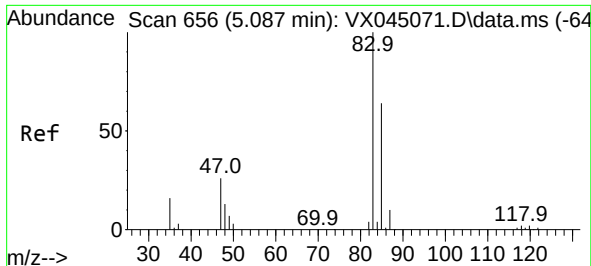
Tgt Ion: 96 Resp: 96850
Ion Ratio Lower Upper
96 100
61 131.3 0.0 283.2
98 64.4 0.0 128.0



#29
Tetrahydrofuran
Concen: 38.864 ug/l
RT: 5.007 min Scan# 643
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 42 Resp: 21760
Ion Ratio Lower Upper
42 100
72 43.0 34.1 51.1
71 38.9 31.4 47.0

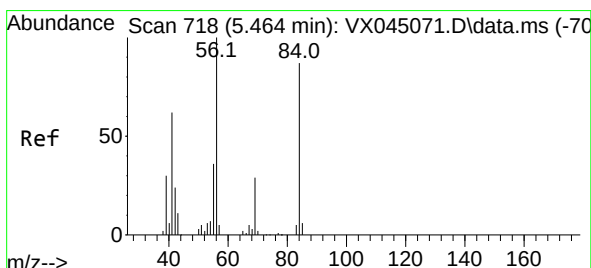
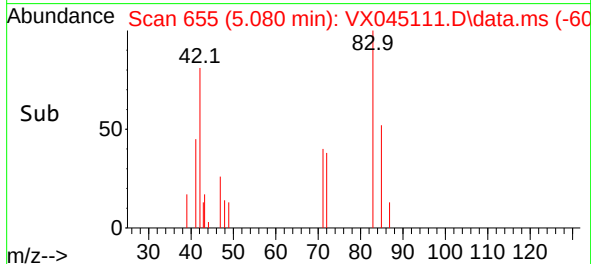
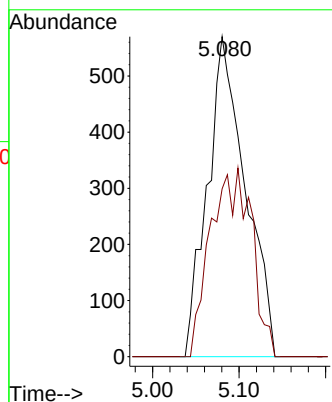
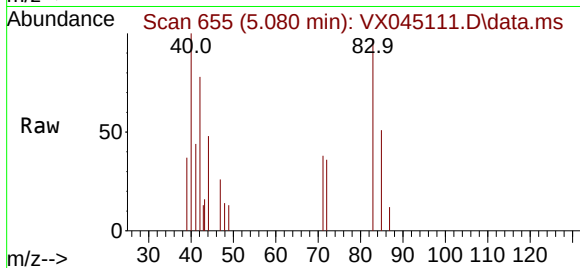




#30
Chloroform
Concen: 0.934 ug/l
RT: 5.080 min Scan# 611
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

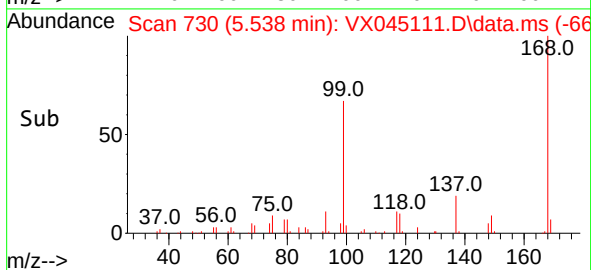
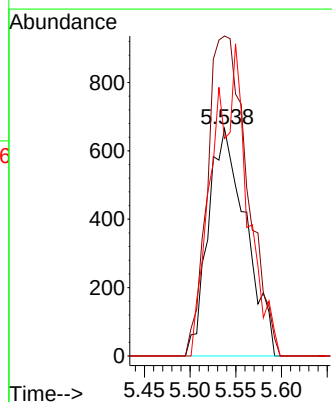
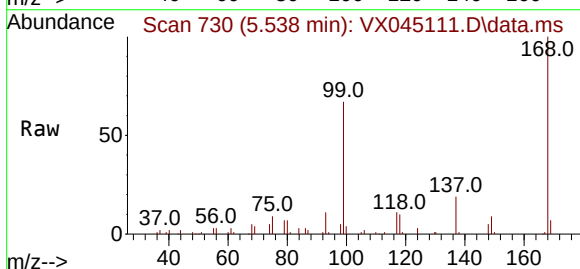
Instrument :
MSVOA_X
ClientSampleId :

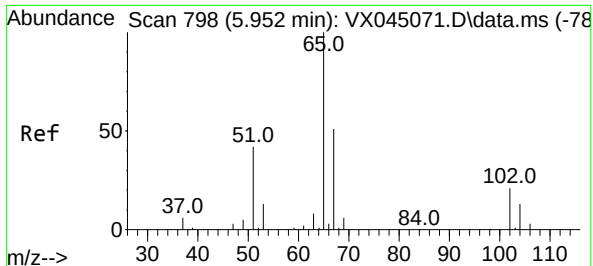
Tgt Ion: 83 Resp: 1737
Ion Ratio Lower Upper
83 100
85 52.5 51.4 77.2



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 56 Resp: 1910
Ion Ratio Lower Upper
56 100
69 140.8 23.4 35.2#
84 95.6 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 50.206 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

Instrument :

MSVOA_X

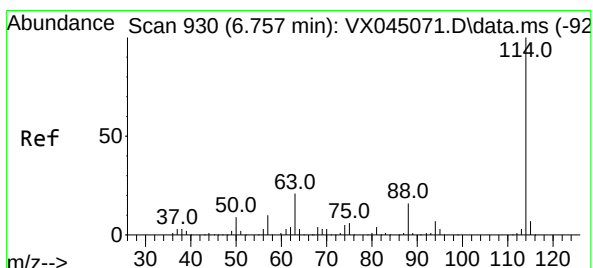
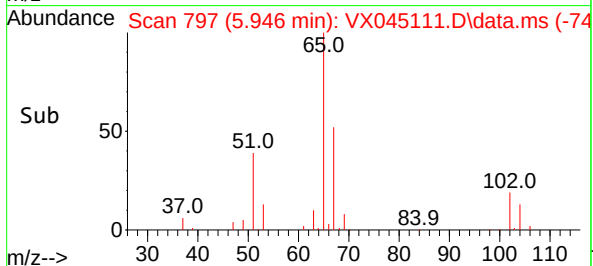
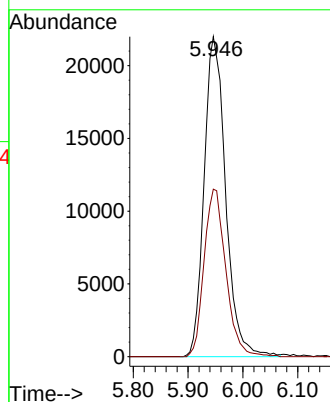
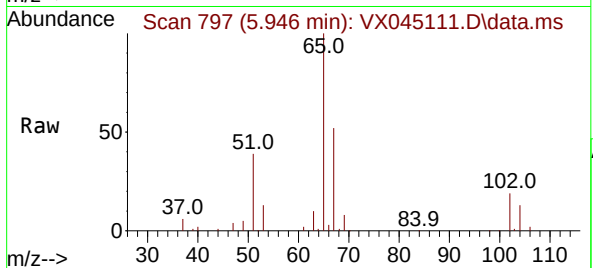
ClientSampleId :

Tgt Ion: 65 Resp: 59936

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045111.D

Acq: 03 Mar 2025 14:31

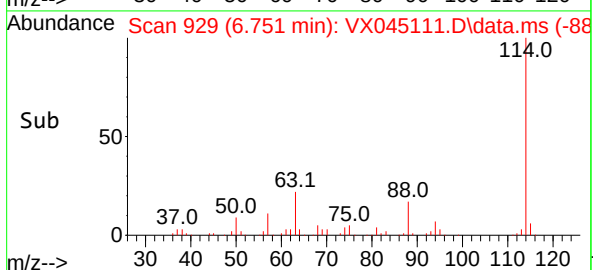
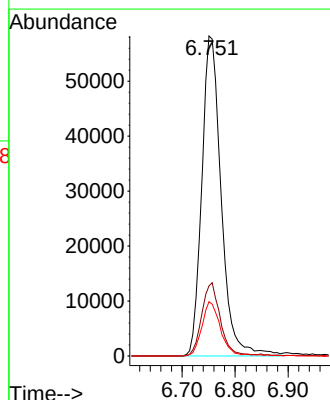
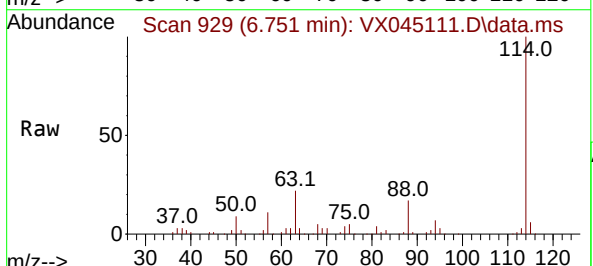
Tgt Ion: 114 Resp: 147850

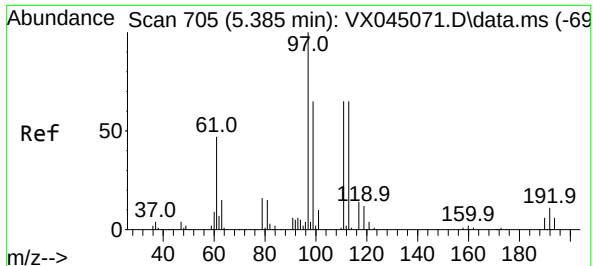
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

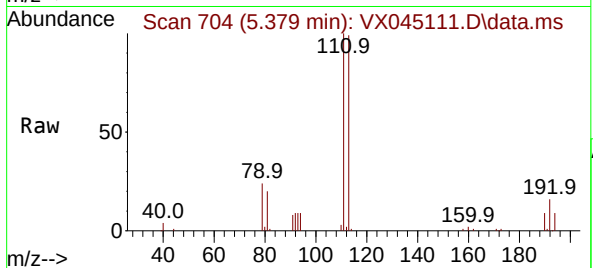
88 16.9 0.0 32.8



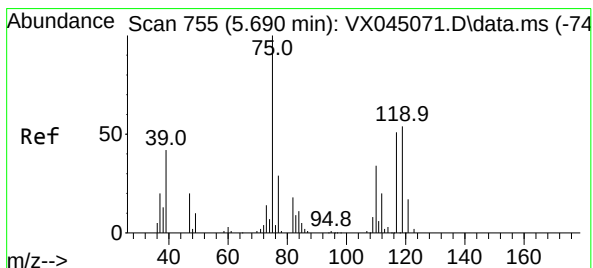
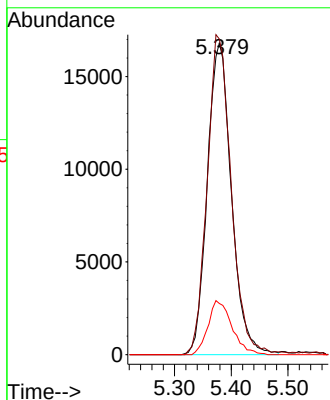
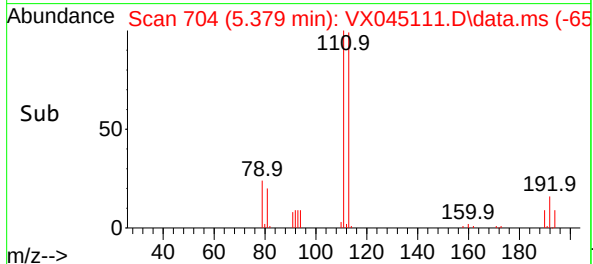


#35
Dibromofluoromethane
Concen: 50.097 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

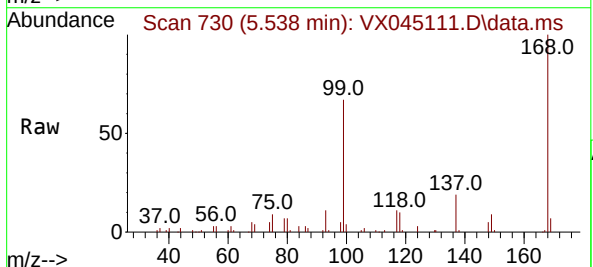
Instrument :
MSVOA_X
ClientSampleId :



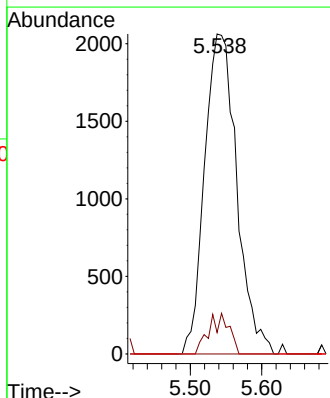
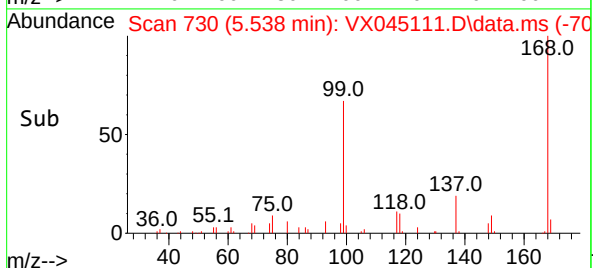
Tgt Ion:113 Resp: 49528
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 17.3 14.3 21.5

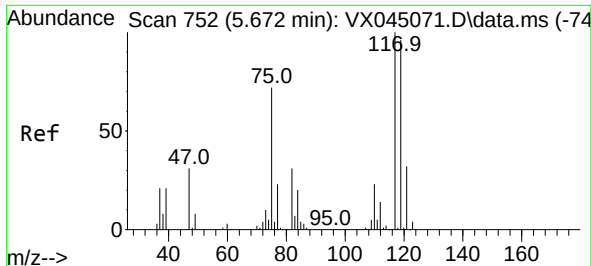


#36
1,1-Dichloropropene
Concen: 4.760 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31



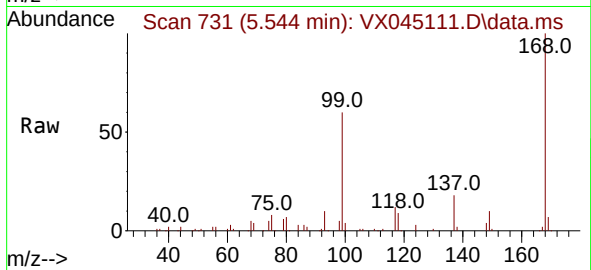
Tgt Ion: 75 Resp: 6453
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.6#
77 0.0 24.5 36.7#



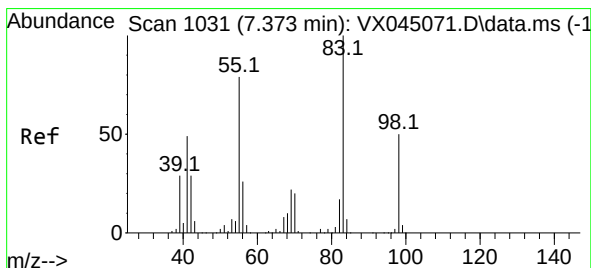
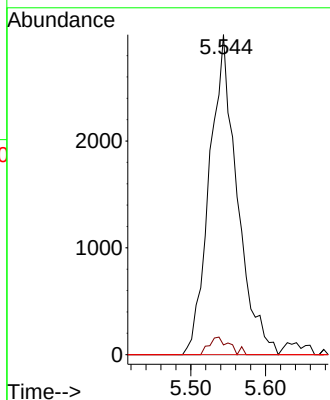
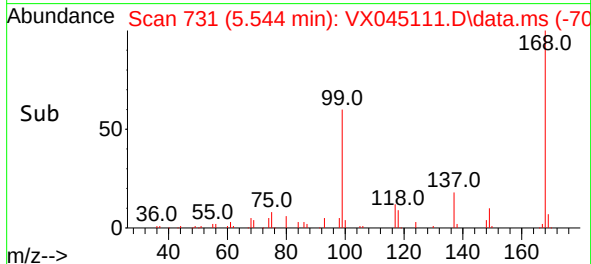


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

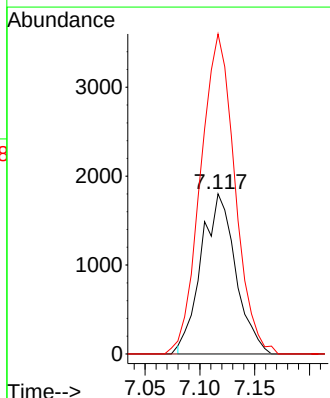
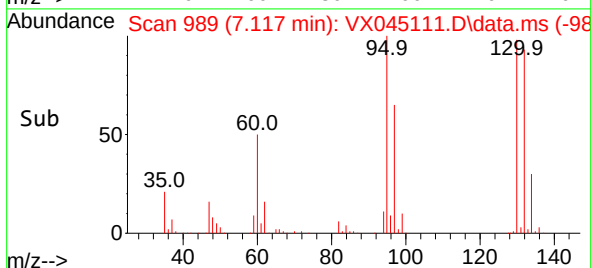
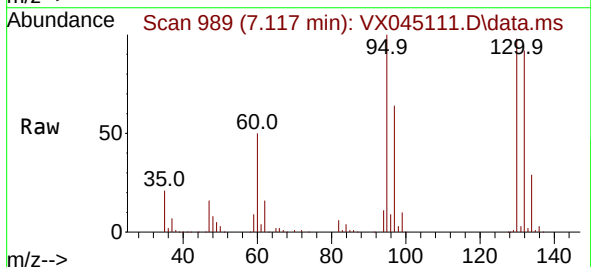


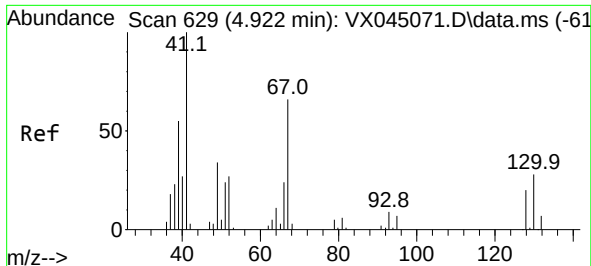
Tgt Ion:117 Resp: 7742
Ion Ratio Lower Upper
117 100
119 3.1 76.7 115.1#
121 0.0 25.5 38.3#



#39
Methylcyclohexane
Concen: 2.420 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.256 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 83 Resp: 3931
Ion Ratio Lower Upper
83 100
55 0.0 63.0 94.4#
98 199.8 39.7 59.5#

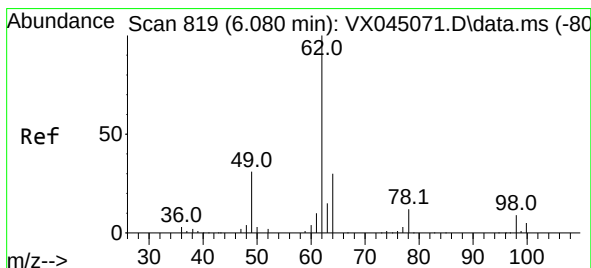
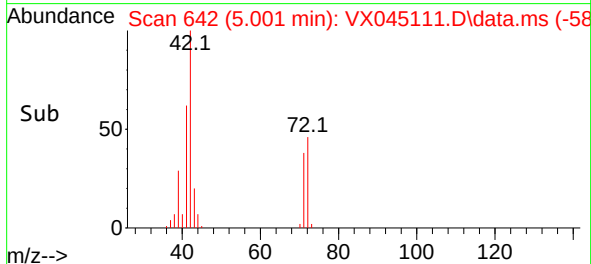
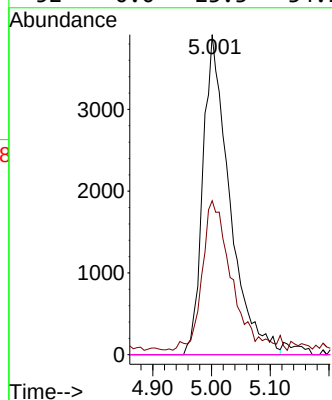
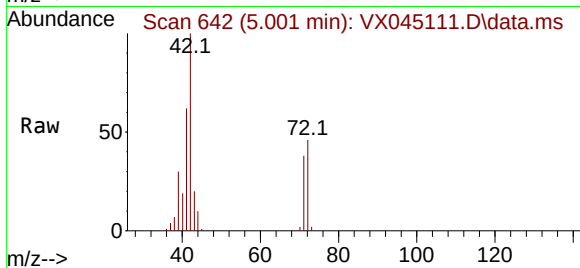




#41
Methacrylonitrile
Concen: 13.099 ug/l
RT: 5.001 min Scan# 641
Delta R.T. 0.079 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

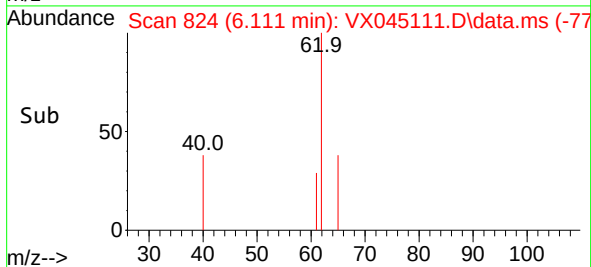
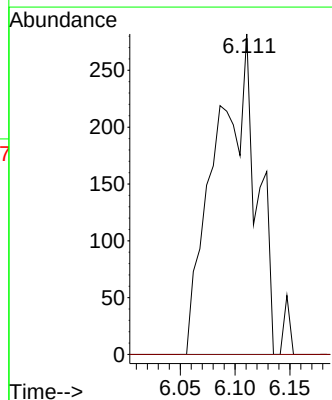
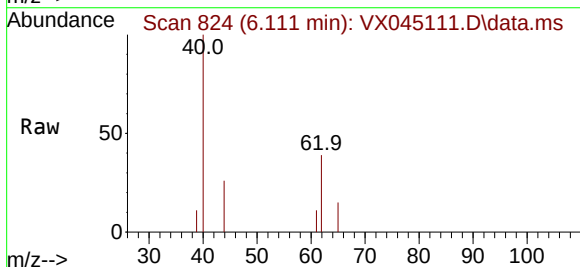
Instrument :
MSVOA_X
ClientSampleId :

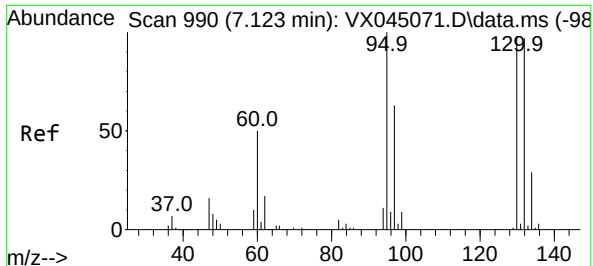
Tgt Ion: 41 Resp: 12374
Ion Ratio Lower Upper
41 100
39 50.9 44.6 67.0
67 0.0 53.9 80.9#
52 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.473 ug/l
RT: 6.111 min Scan# 824
Delta R.T. 0.030 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 62 Resp: 730
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

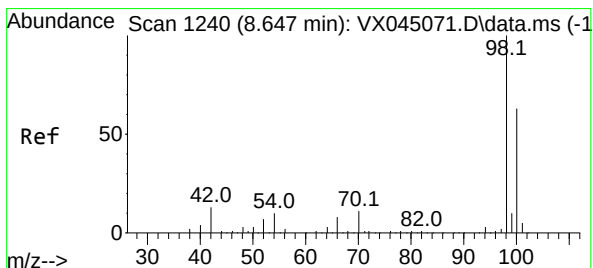
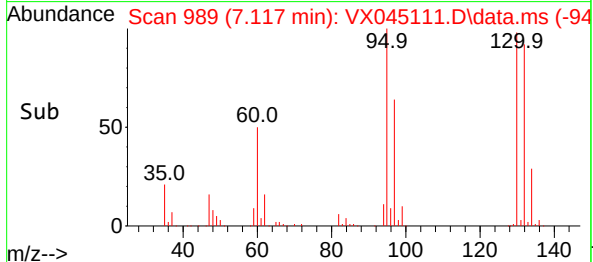
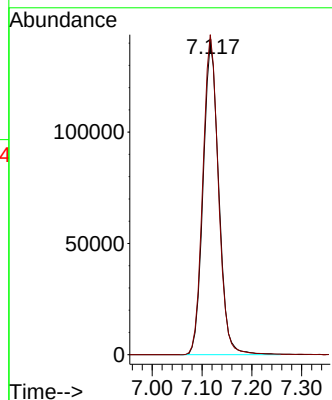
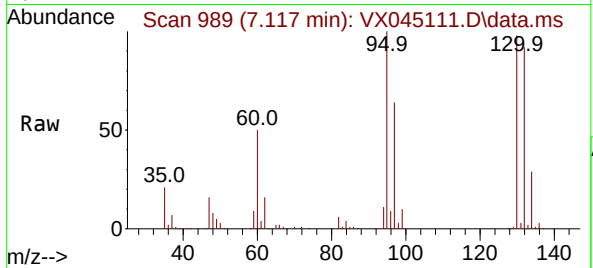




#44
 Trichloroethene
 Concen: 304.139 ug/l
 RT: 7.117 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VX045111.D
 Acq: 03 Mar 2025 14:31

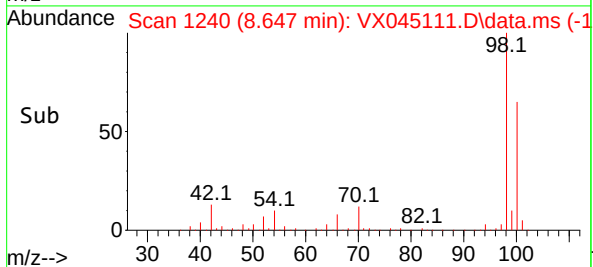
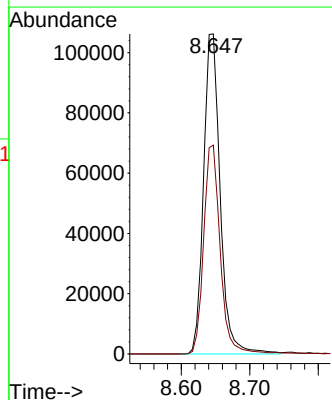
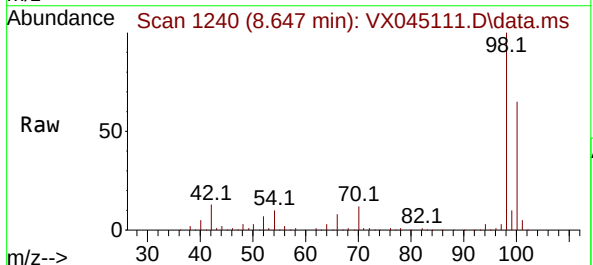
Instrument :
 MSVOA_X
 ClientSampleId :

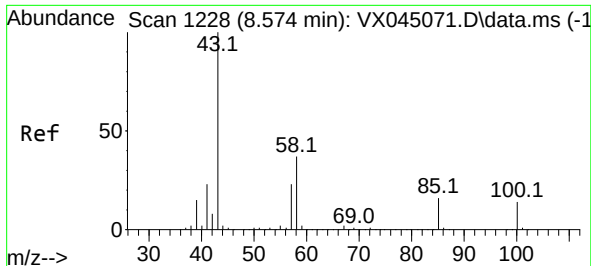
Tgt Ion:130 Resp: 305750
 Ion Ratio Lower Upper
 130 100
 95 102.4 0.0 205.0



#50
 Toluene-d8
 Concen: 50.164 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX045111.D
 Acq: 03 Mar 2025 14:31

Tgt Ion: 98 Resp: 179795
 Ion Ratio Lower Upper
 98 100
 100 65.4 52.0 78.0

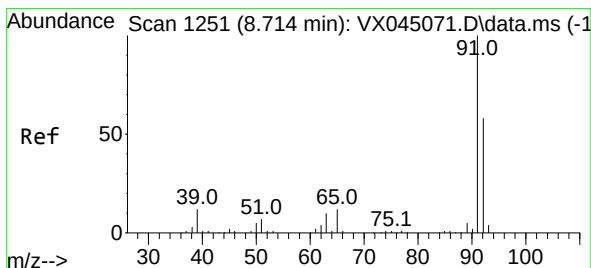
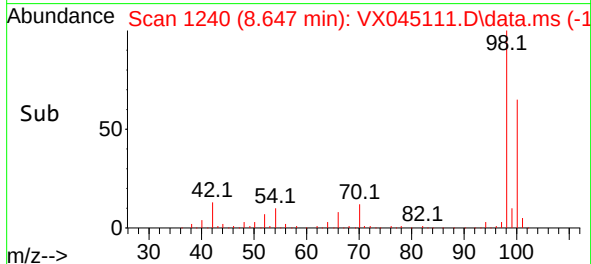
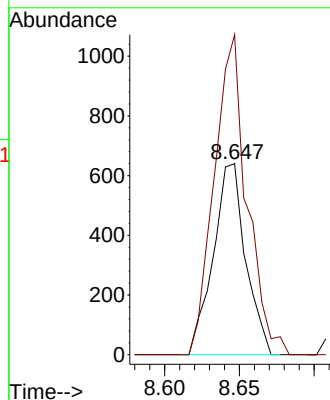
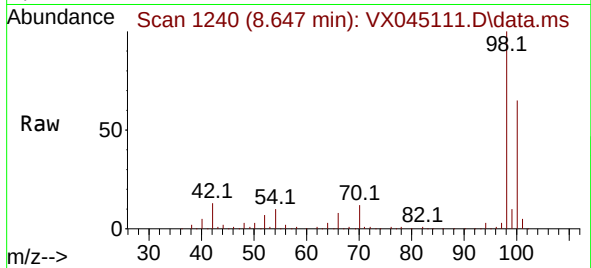




#51
4-Methyl-2-Pentanone
Concen: 0.555 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

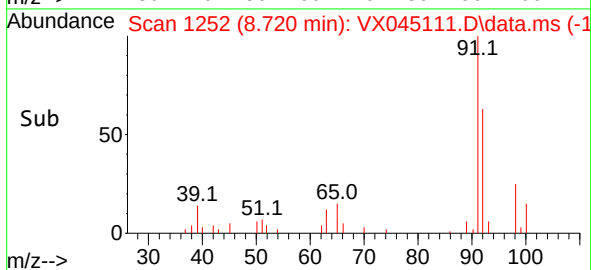
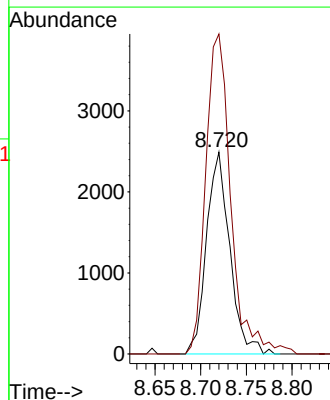
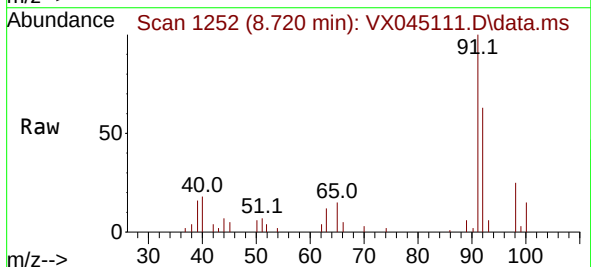
Instrument :
MSVOA_X
ClientSampleId :

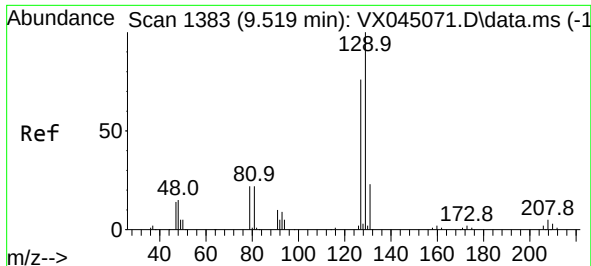
Tgt Ion: 43 Resp: 963
Ion Ratio Lower Upper
43 100
58 169.0 29.2 43.8#



#52
Toluene
Concen: 1.755 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Tgt Ion: 92 Resp: 4408
Ion Ratio Lower Upper
92 100
91 170.9 138.9 208.3

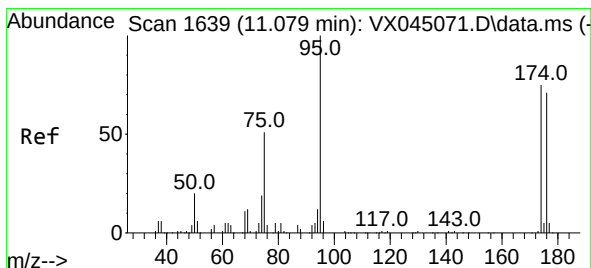
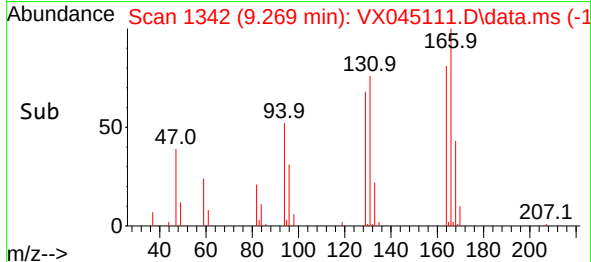
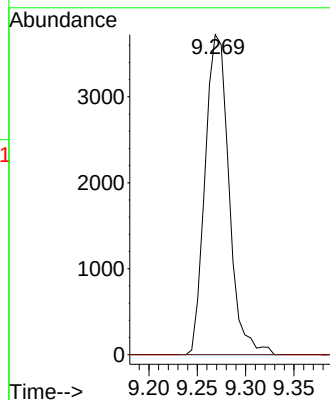
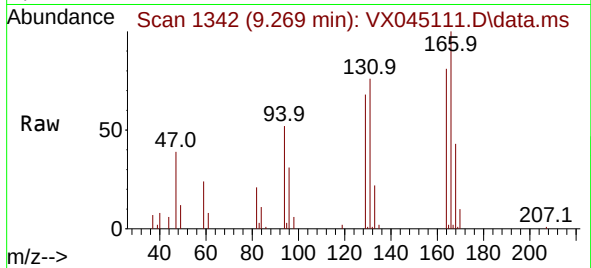




#60
Dibromochloromethane
Concen: 5.929 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

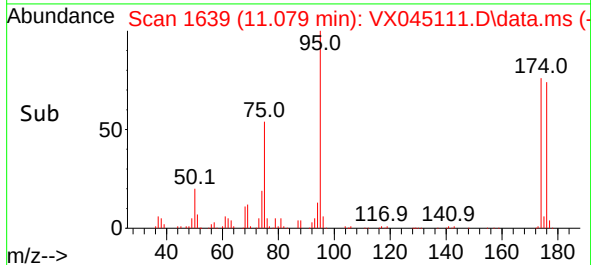
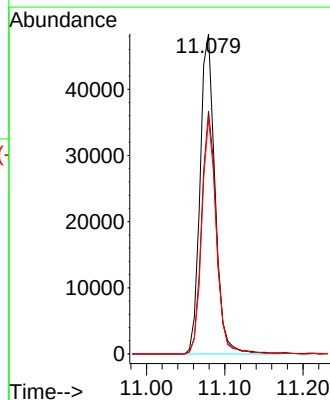
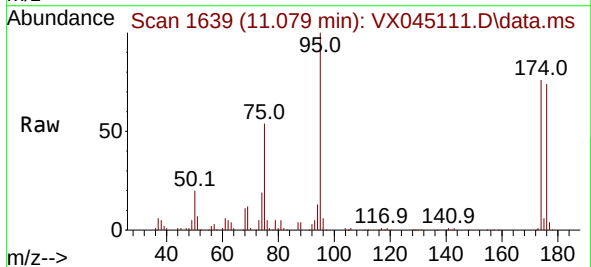
Instrument :
MSVOA_X
ClientSampleId :

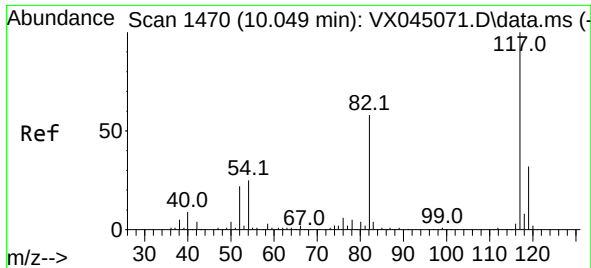
Tgt Ion:129 Resp: 6411
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 54.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

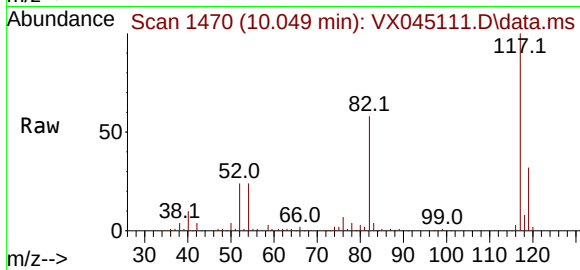
Tgt Ion: 95 Resp: 64369
Ion Ratio Lower Upper
95 100
174 74.6 0.0 148.2
176 71.5 0.0 141.4



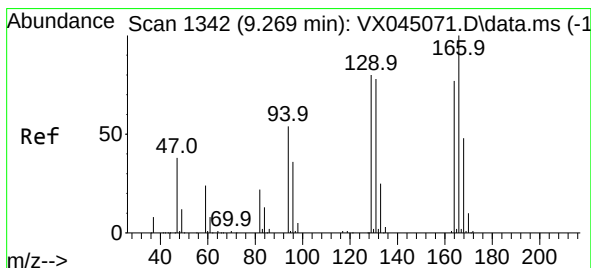
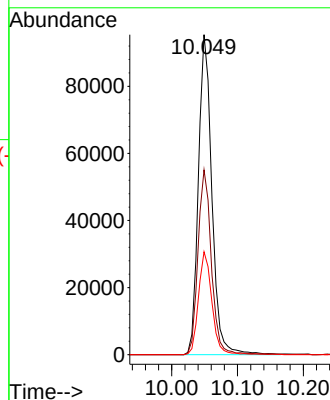
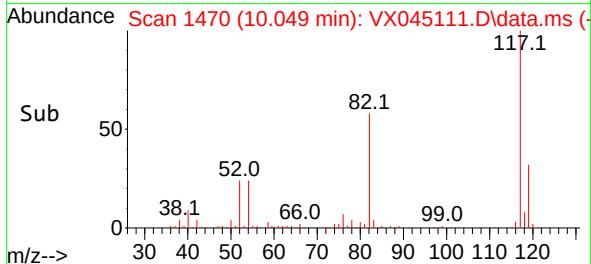


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

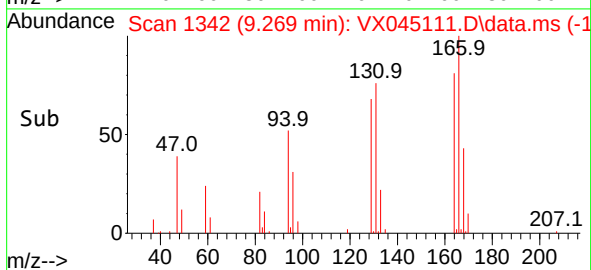
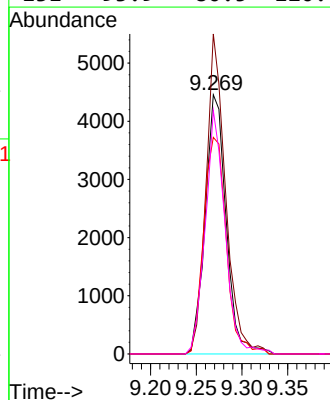
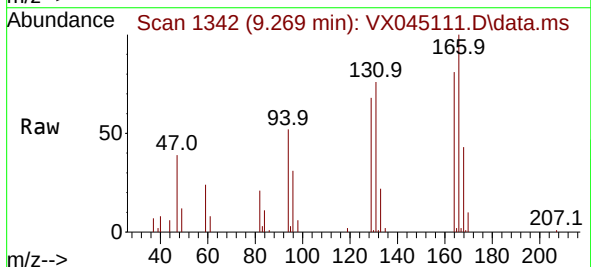


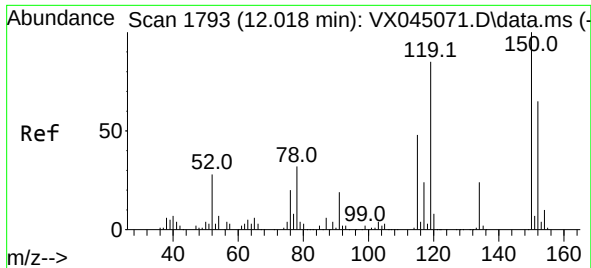
Tgt Ion:117 Resp: 135587
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 8.192 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

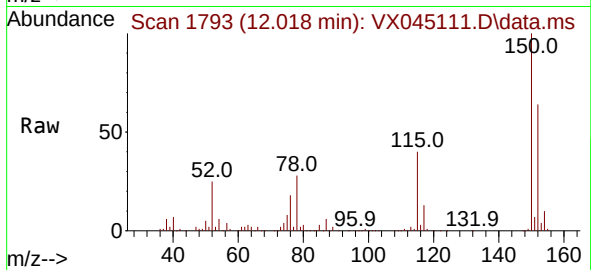
Tgt Ion:164 Resp: 7114
Ion Ratio Lower Upper
164 100
166 123.4 103.6 155.4
129 83.5 82.7 124.1
131 93.9 80.5 120.7



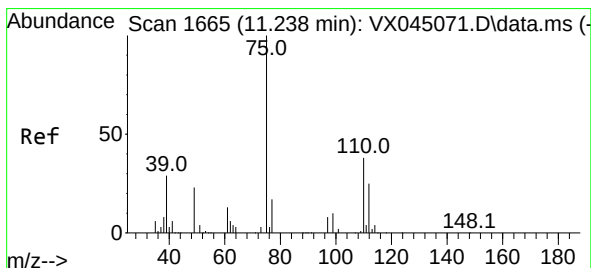
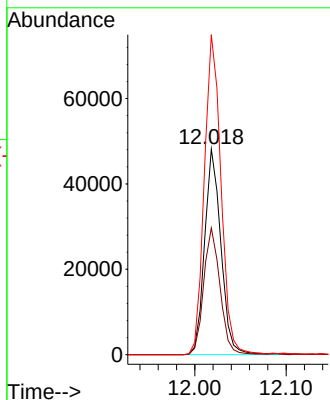
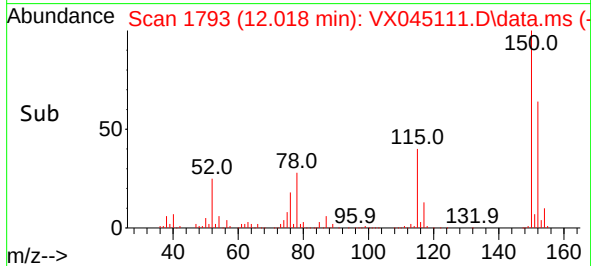


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

Instrument :
MSVOA_X
ClientSampleId :

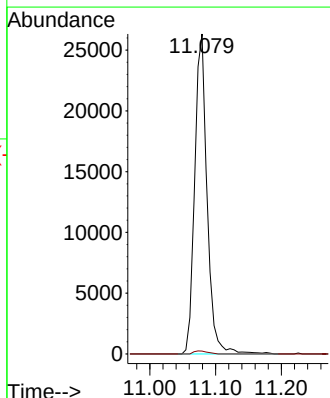
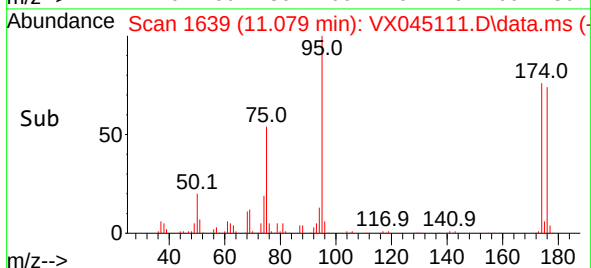
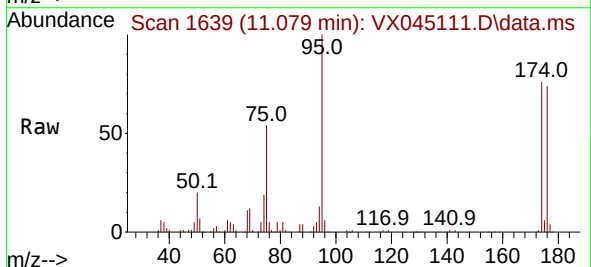


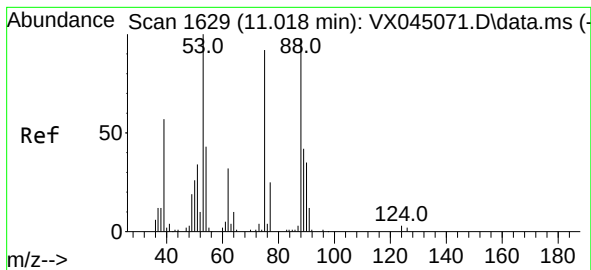
Tgt Ion:152 Resp: 59630
Ion Ratio Lower Upper
152 100
115 61.7 44.2 132.6
150 158.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.788 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045111.D
Acq: 03 Mar 2025 14:31

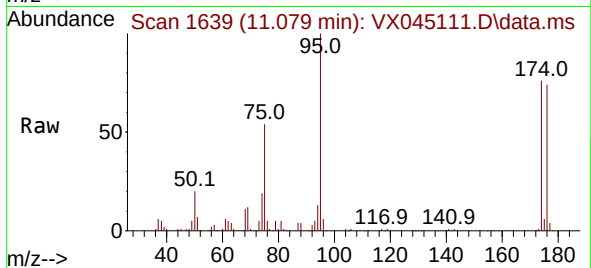
Tgt Ion: 75 Resp: 34403
Ion Ratio Lower Upper
75 100
77 1.1 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.829 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045111.D
 Acq: 03 Mar 2025 14:31

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 34403
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.0 36.2 54.4#

