

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012725\
 Data File : VX044723.D
 Acq On : 27 Jan 2025 14:55
 Operator : JC/MD
 Sample : PB166212ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

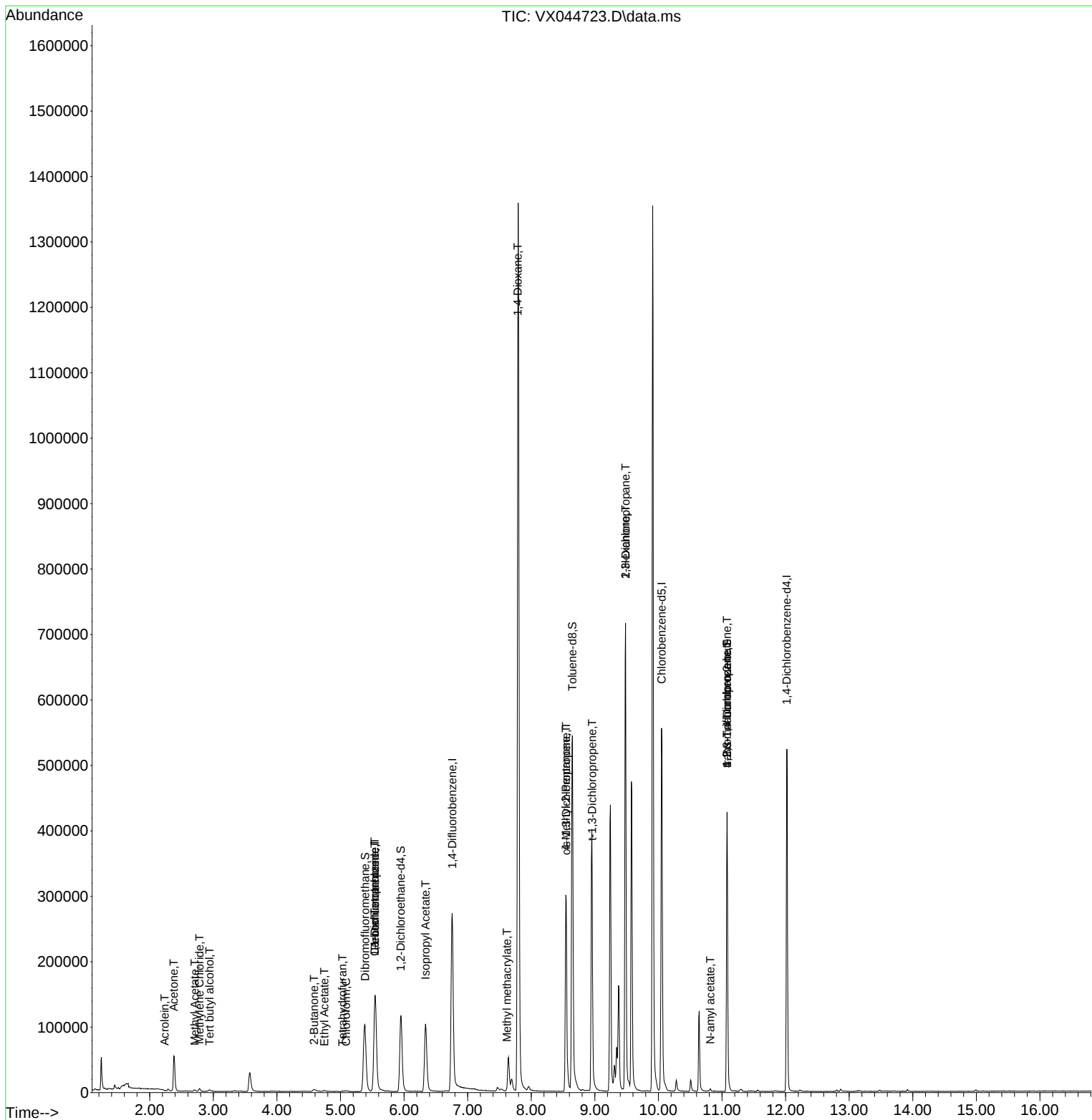
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 28 04:13:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 16 01:16:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	143166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	292604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	256413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	107580	49.783	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.560%
35) Dibromofluoromethane	5.385	113	94384	50.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.540%
50) Toluene-d8	8.647	98	352598	54.401	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.800%
62) 4-Bromofluorobenzene	11.079	95	124135	51.375	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.760%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1464	3.039	ug/l #	90
13) Acrolein	2.233	56	263	1.160	ug/l #	15
16) Acetone	2.380	43	60114	70.311	ug/l	94
18) Methyl Acetate	2.709	43	2990	1.134	ug/l	97
20) Methylene Chloride	2.782	84	2079	1.044	ug/l	94
25) 2-Butanone	4.587	43	6396	5.032	ug/l	95
29) Tetrahydrofuran	5.032	42	454	0.554	ug/l	92
30) Chloroform	5.087	83	1364	0.402	ug/l	96
36) 1,1-Dichloropropene	5.538	75	12500	4.831	ug/l #	49
37) Ethyl Acetate	4.745	43	3218	1.168	ug/l #	96
38) Carbon Tetrachloride	5.538	117	14958	5.139	ug/l #	16
43) Isopropyl Acetate	6.336	43	150470	29.683	ug/l	99
48) Methyl methacrylate	7.617	41	3626	1.541	ug/l #	37
49) 1,4-Dioxane	7.787	88	209	4.257	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	115711	41.305	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	907	0.279	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	55967	15.855	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	6792	2.009	ug/l #	43
59) 2-Hexanone	9.482	43	89158	43.260	ug/l #	51
74) N-amyl acetate	10.817	43	1451	0.329	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	61319	23.036	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	61319	52.679	ug/l #	12

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

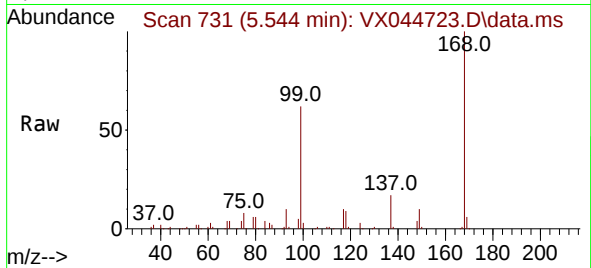
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011525W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 16 01:16:09 2025
Response via : Initial Calibration



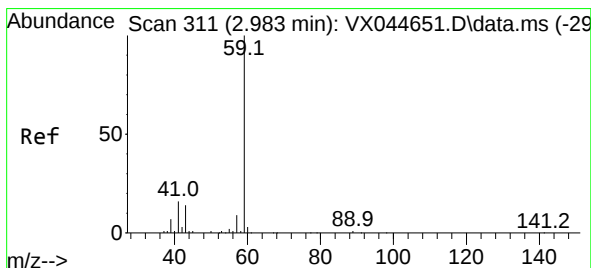
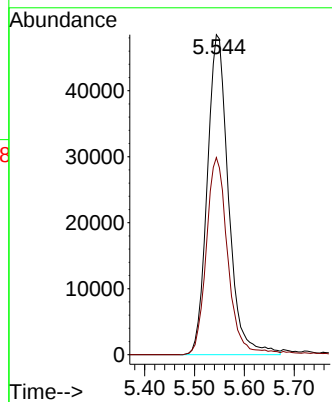
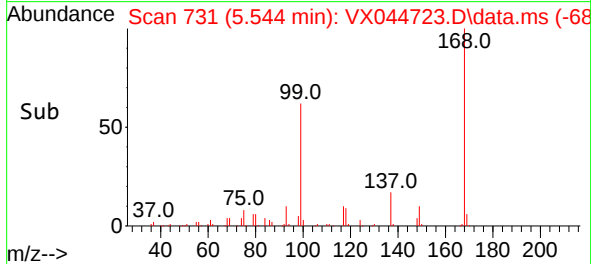


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

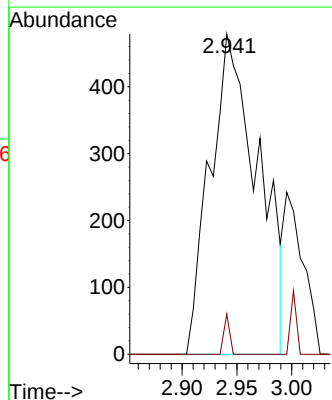
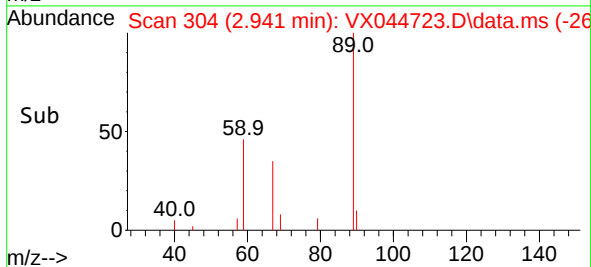
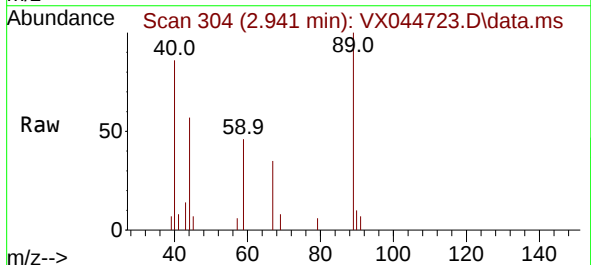


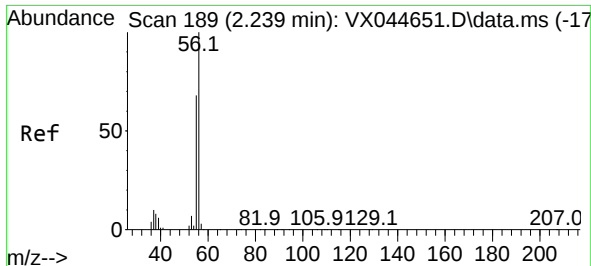
Tgt Ion:168 Resp: 143166
Ion Ratio Lower Upper
168 100
99 61.6 51.1 76.7



#11
Tert butyl alcohol
Concen: 3.039 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.042 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 59 Resp: 1464
Ion Ratio Lower Upper
59 100
57 1.5 3.9 5.9#

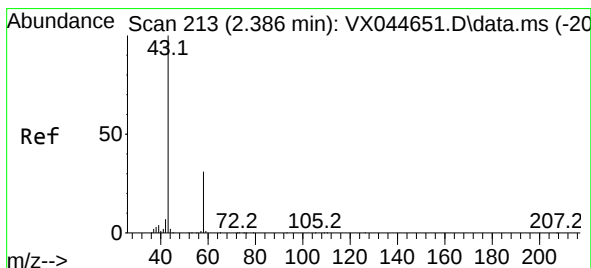
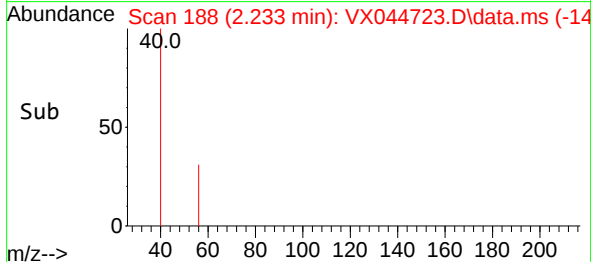
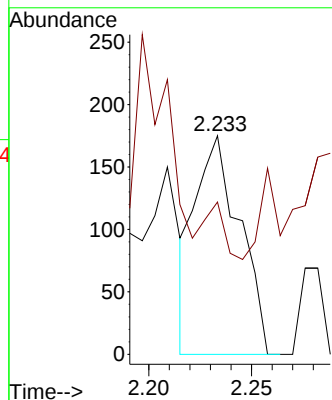
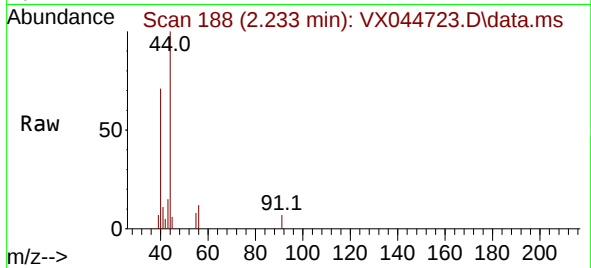




#13
Acrolein
Concen: 1.160 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

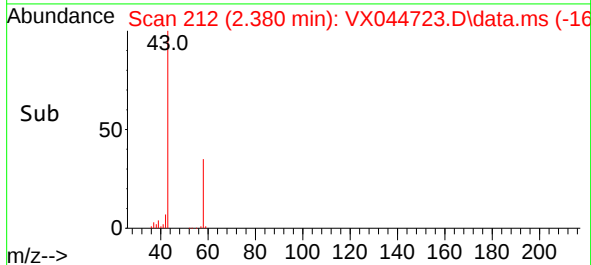
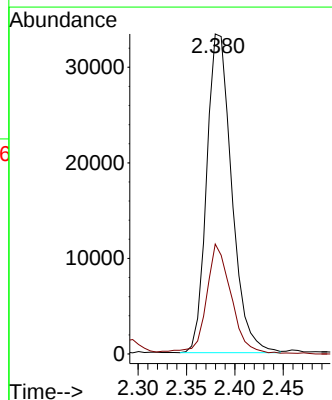
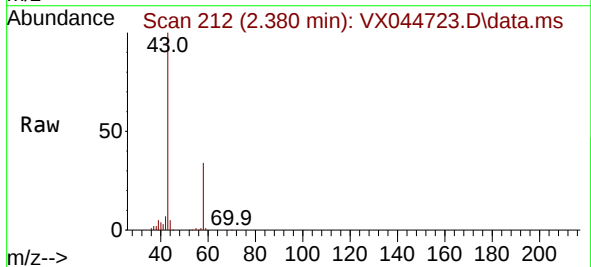
Instrument :
MSVOA_X
ClientSampleId :

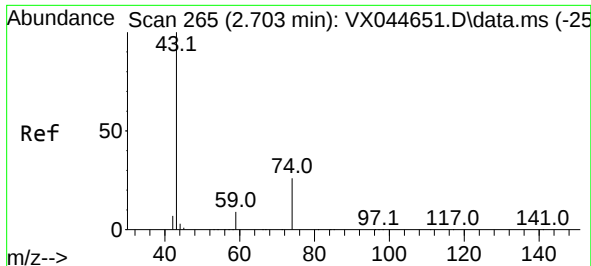
Tgt Ion: 56 Resp: 263
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: 70.311 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 43 Resp: 60114
Ion Ratio Lower Upper
43 100
58 34.2 24.6 37.0

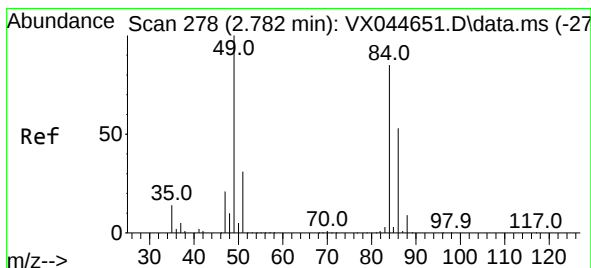
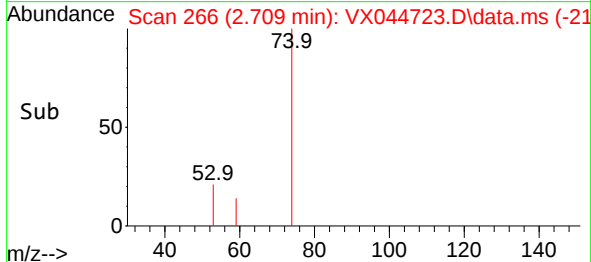
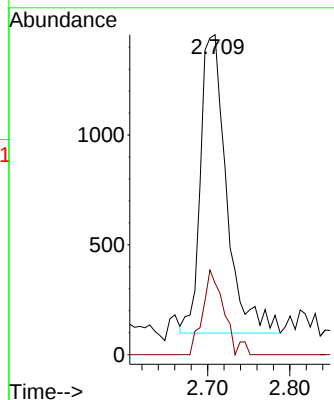
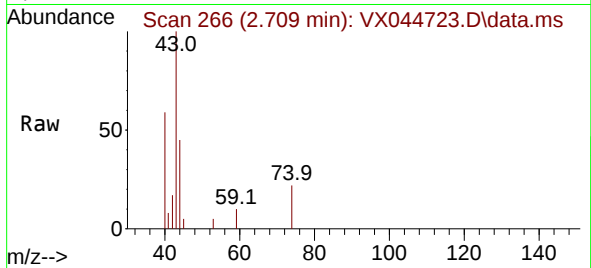




#18
Methyl Acetate
Concen: 1.134 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

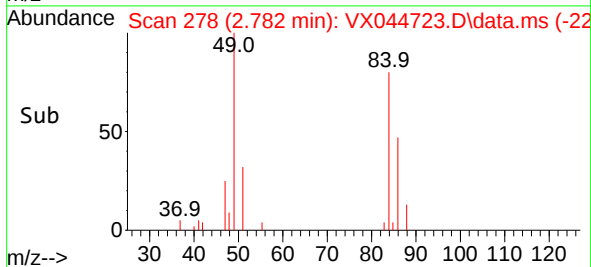
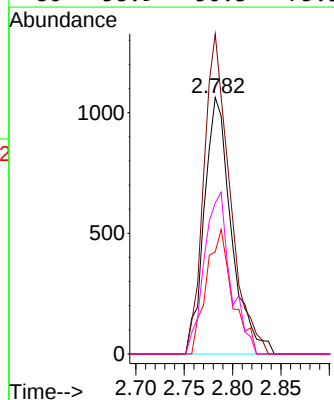
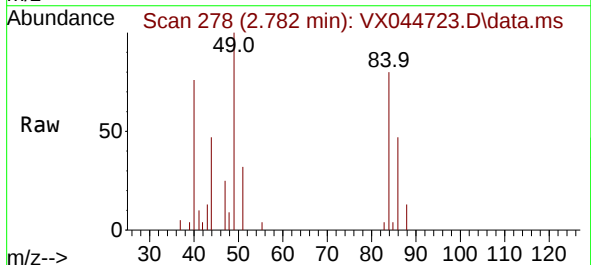
Instrument :
MSVOA_X
ClientSampleId :

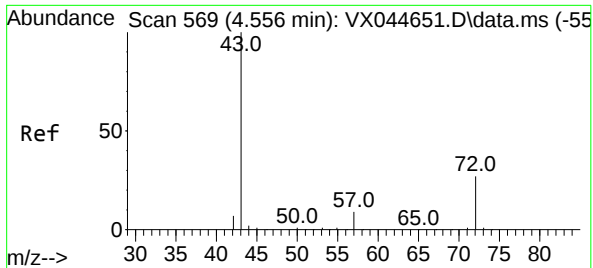
Tgt Ion: 43 Resp: 2990
Ion Ratio Lower Upper
43 100
74 23.2 19.8 29.8



#20
Methylene Chloride
Concen: 1.044 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 84 Resp: 2079
Ion Ratio Lower Upper
84 100
49 124.7 94.2 141.4
51 39.8 28.8 43.2
86 58.9 50.3 75.5

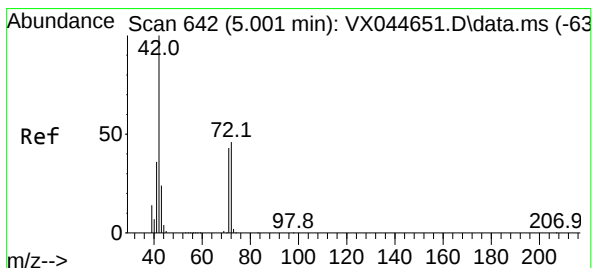
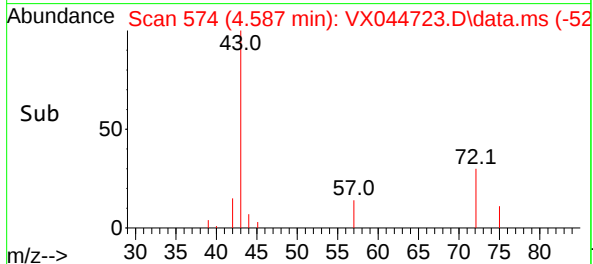
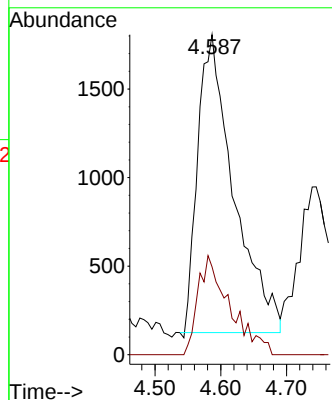
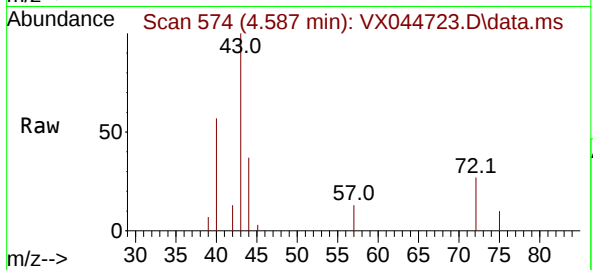




#25
2-Butanone
Concen: 5.032 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

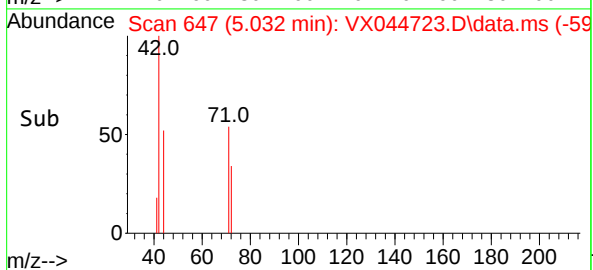
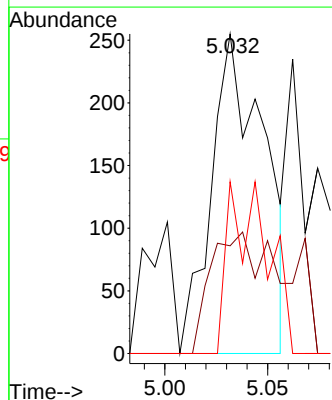
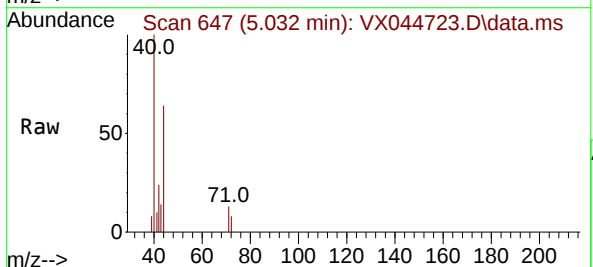
Instrument :
MSVOA_X
ClientSampleId :

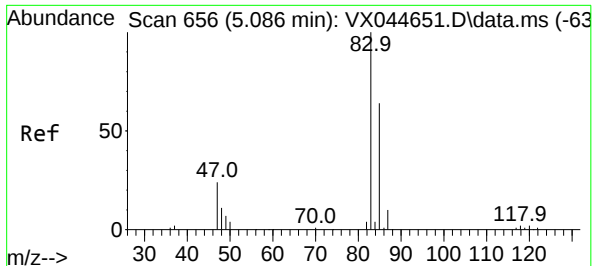
Tgt Ion: 43 Resp: 6396
Ion Ratio Lower Upper
43 100
72 29.5 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.554 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.031 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 42 Resp: 454
Ion Ratio Lower Upper
42 100
72 54.6 38.2 57.4
71 40.3 35.3 52.9





#30

Chloroform

Concen: 0.402 ug/l

RT: 5.087 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

Instrument :

MSVOA_X

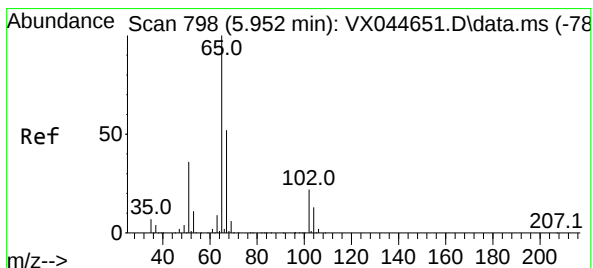
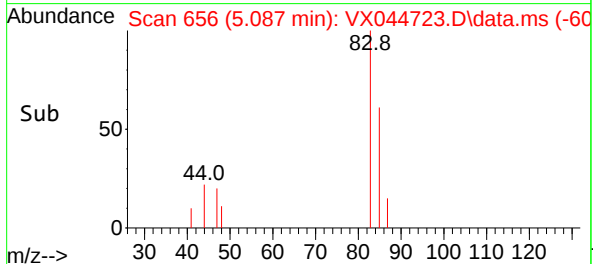
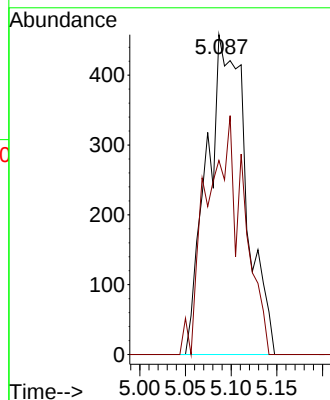
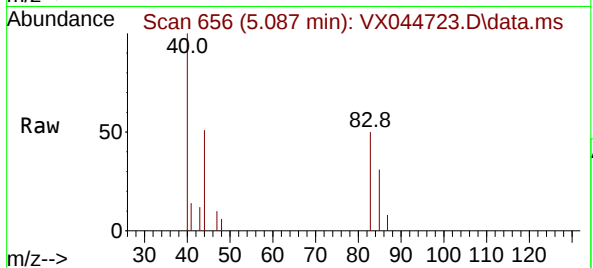
ClientSampleId :

Tgt Ion: 83 Resp: 1364

Ion Ratio Lower Upper

83 100

85 60.7 51.2 76.8



#33

1,2-Dichloroethane-d4

Concen: 49.783 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX044723.D

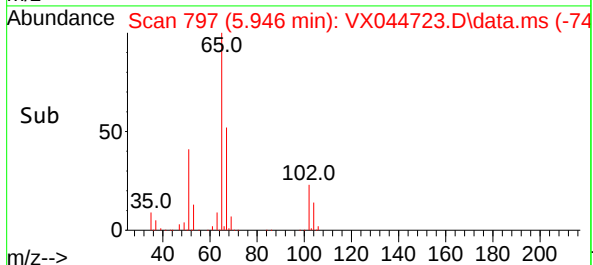
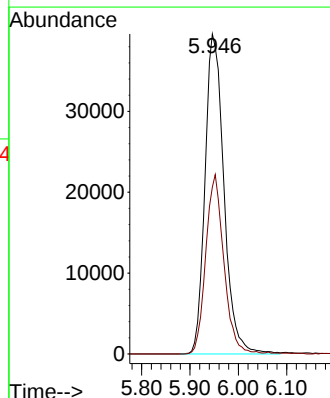
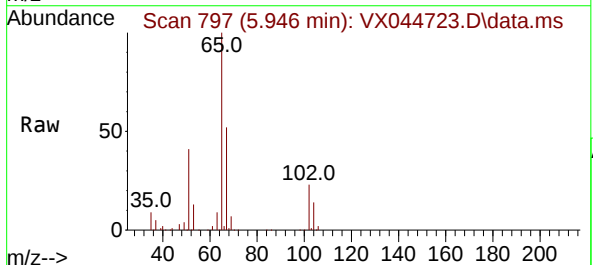
Acq: 27 Jan 2025 14:55

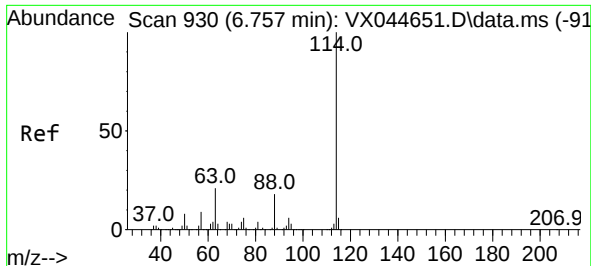
Tgt Ion: 65 Resp: 107580

Ion Ratio Lower Upper

65 100

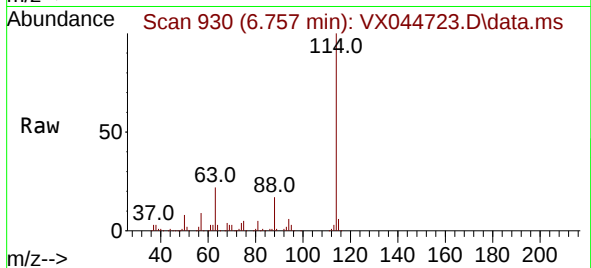
67 53.5 0.0 103.4



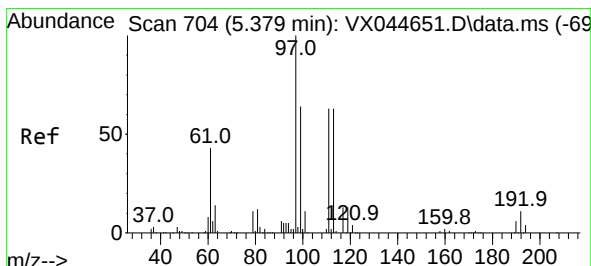
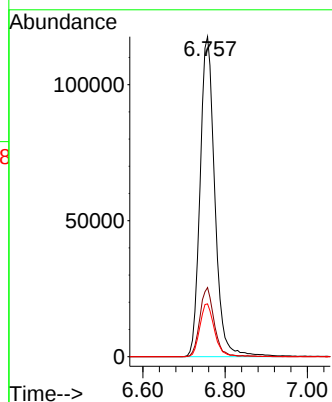
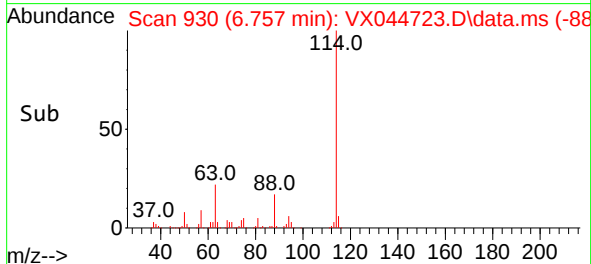


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

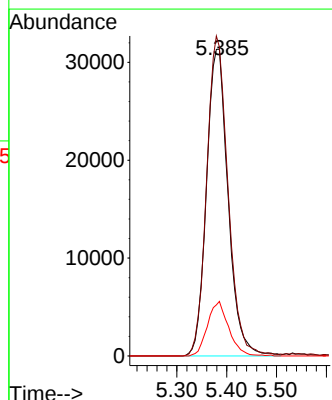
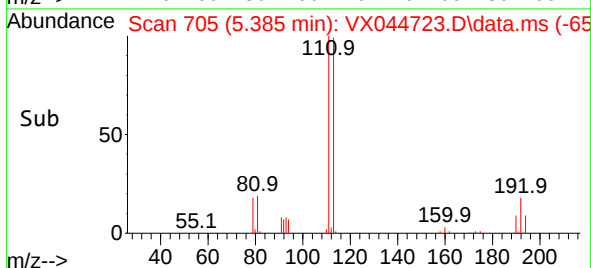
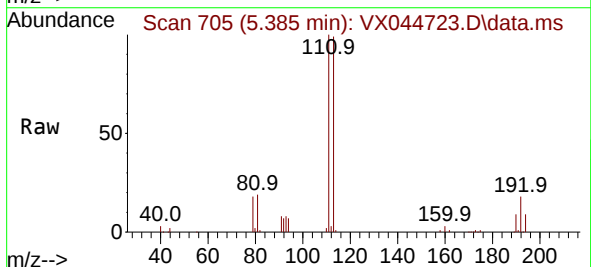


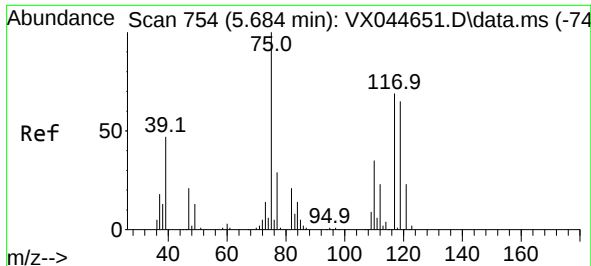
Tgt Ion:114 Resp: 292604
Ion Ratio Lower Upper
114 100
63 21.6 0.0 43.0
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.775 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion:113 Resp: 94384
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 17.5 14.4 21.6

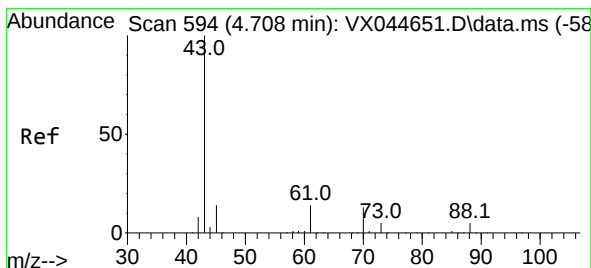
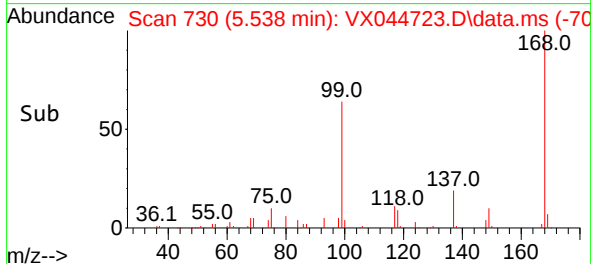
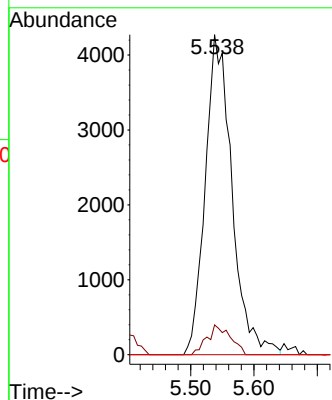
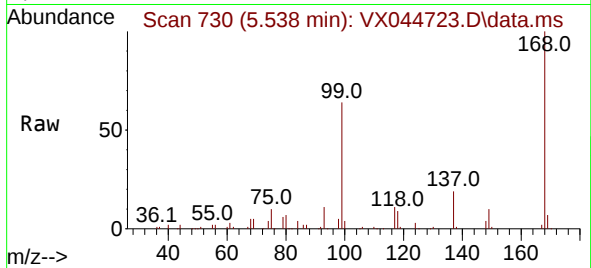




#36
1,1-Dichloropropene
Concen: 4.831 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

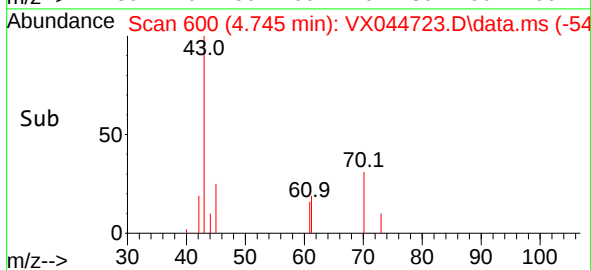
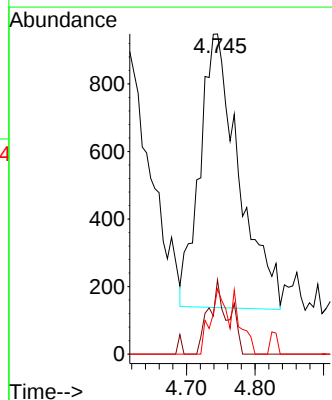
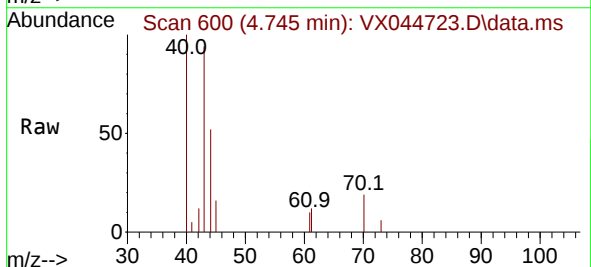
Instrument :
MSVOA_X
ClientSampleId :

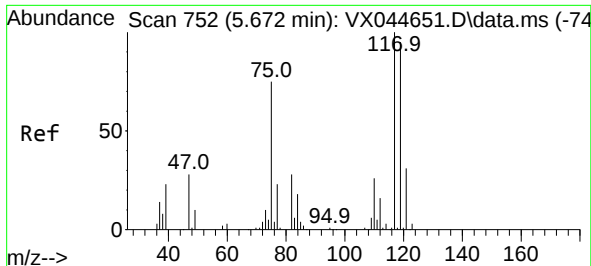
Tgt Ion: 75 Resp: 12500
Ion Ratio Lower Upper
75 100
110 8.2 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 1.168 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.037 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

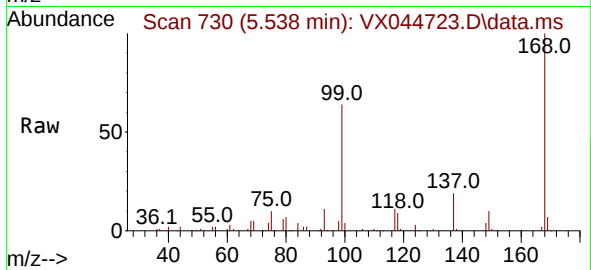
Tgt Ion: 43 Resp: 3218
Ion Ratio Lower Upper
43 100
61 13.6 10.9 16.3
70 9.7 10.1 15.1#



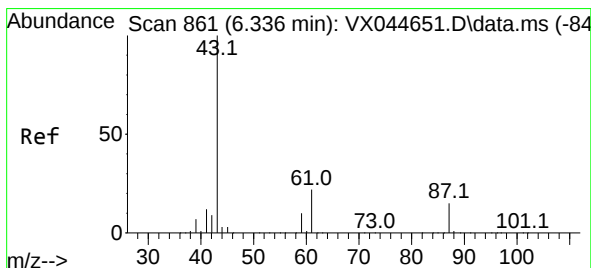
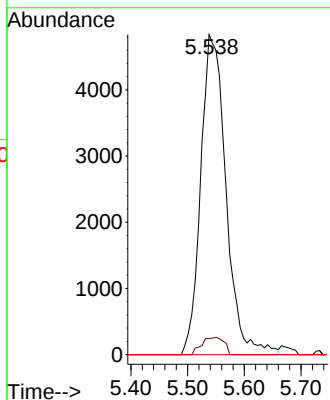
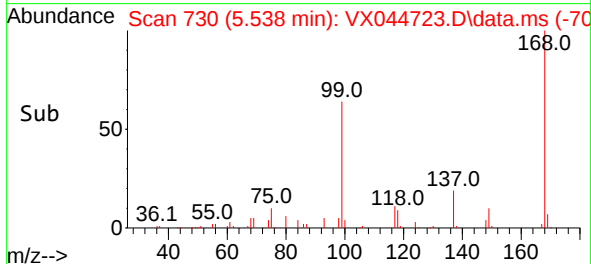


#38
Carbon Tetrachloride
Concen: 5.139 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

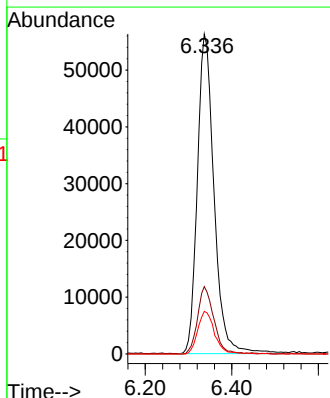
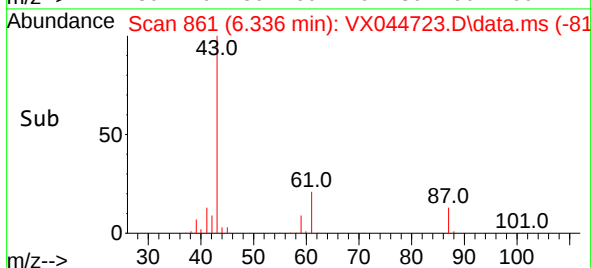
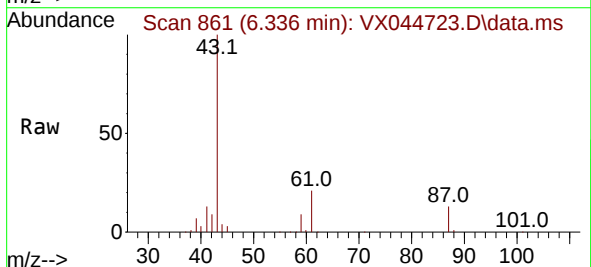


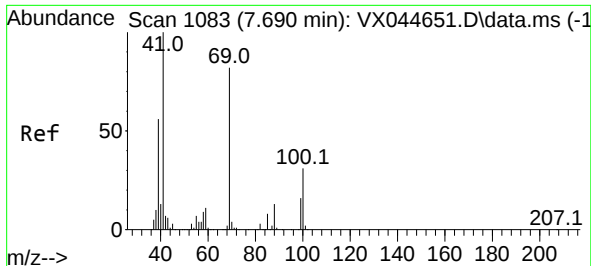
Tgt Ion:117 Resp: 14958
Ion Ratio Lower Upper
117 100
119 5.0 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 29.683 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

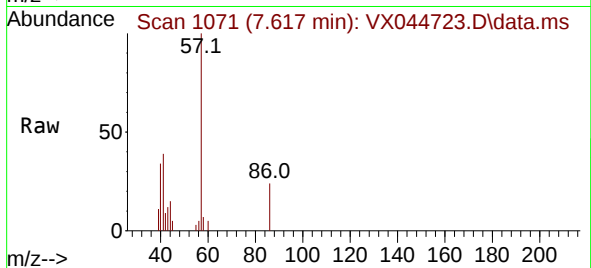
Tgt Ion: 43 Resp: 150470
Ion Ratio Lower Upper
43 100
61 20.5 16.6 24.8
87 13.3 11.0 16.6



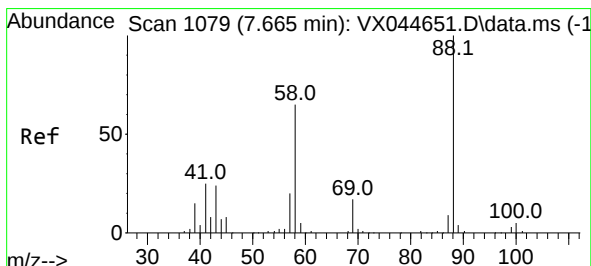
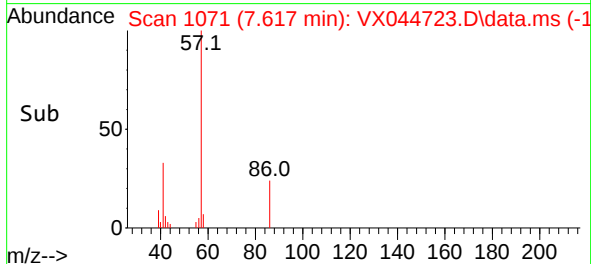
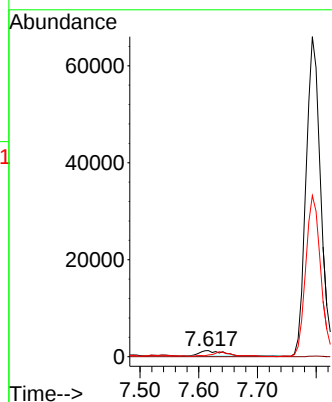


#48
Methyl methacrylate
Concen: 1.541 ug/l
RT: 7.617 min Scan# 1071
Delta R.T. -0.073 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

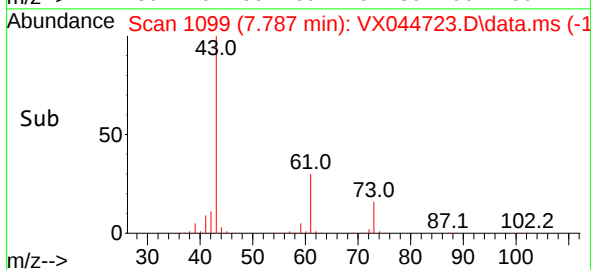
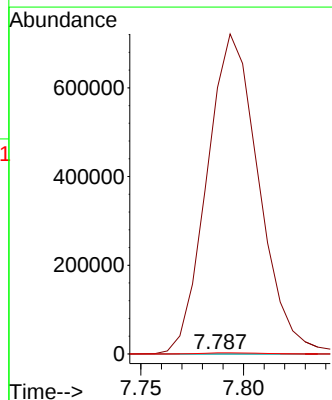
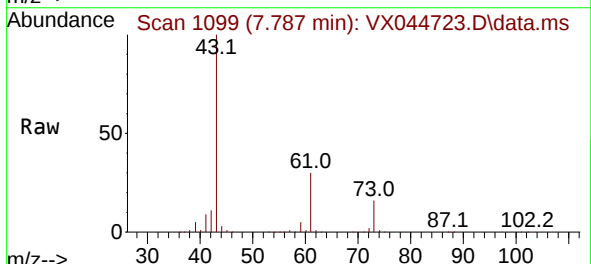


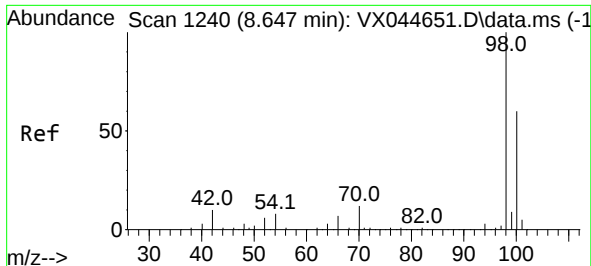
Tgt Ion: 41 Resp: 3626
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 75.7 47.4 71.0#



#49
1,4-Dioxane
Concen: 4.257 ug/l
RT: 7.787 min Scan# 1099
Delta R.T. 0.122 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
43 616112.0 27.0 40.4#
58 2386.1 55.8 83.8#

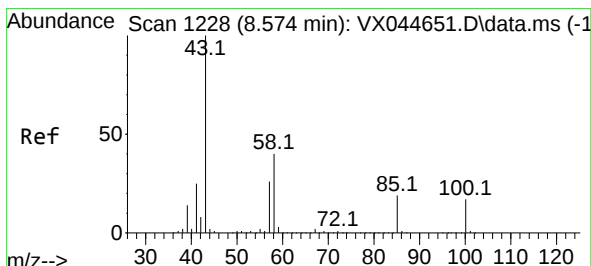
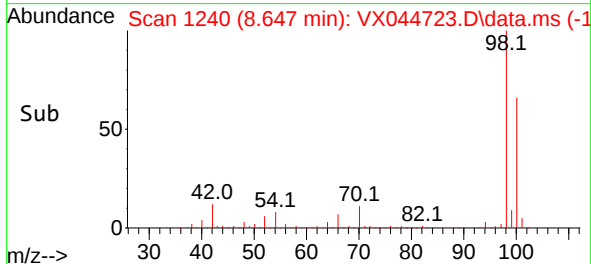
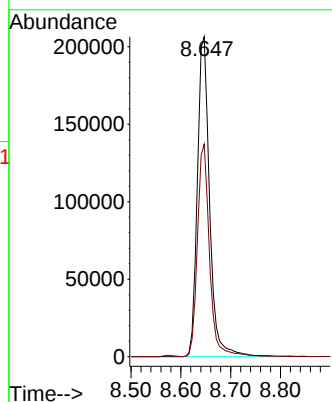
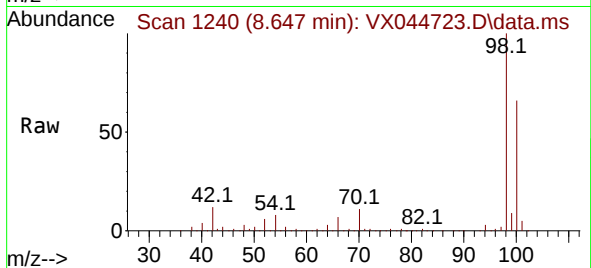




#50
Toluene-d8
Concen: 54.401 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

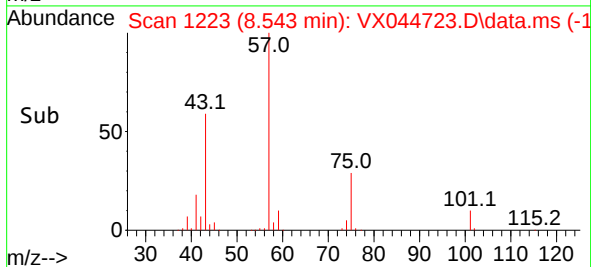
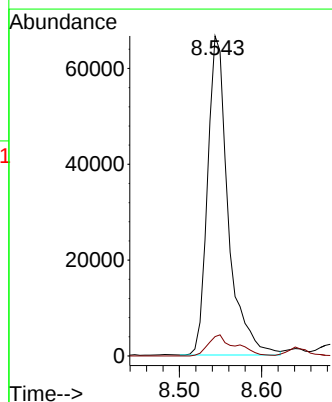
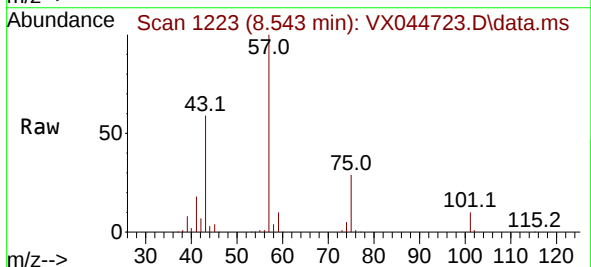
Instrument :
MSVOA_X
ClientSampleId :

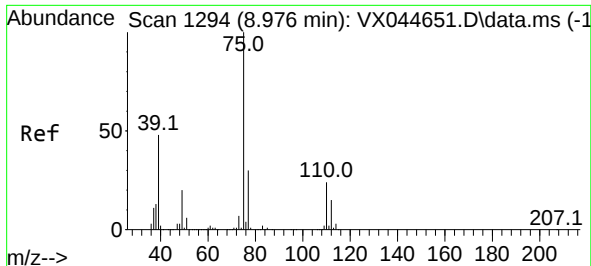
Tgt Ion: 98 Resp: 352598
Ion Ratio Lower Upper
98 100
100 65.2 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 41.305 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 43 Resp: 115711
Ion Ratio Lower Upper
43 100
58 8.8 31.9 47.9#





#53

t-1,3-Dichloropropene

Concen: 0.279 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

Instrument :

MSVOA_X

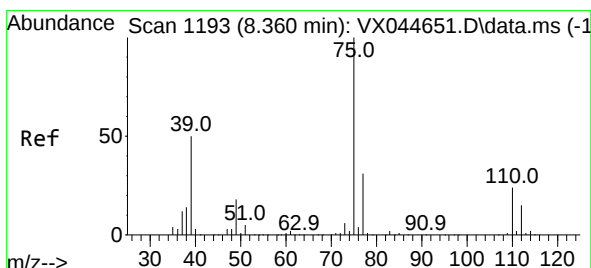
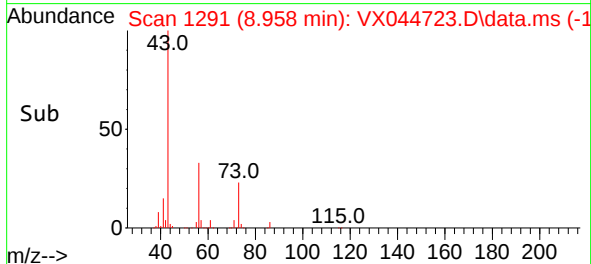
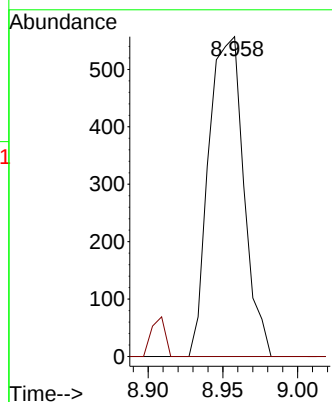
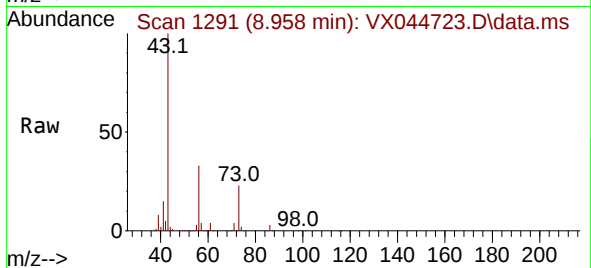
ClientSampleId :

Tgt Ion: 75 Resp: 907

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#



#54

cis-1,3-Dichloropropene

Concen: 15.855 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.189 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

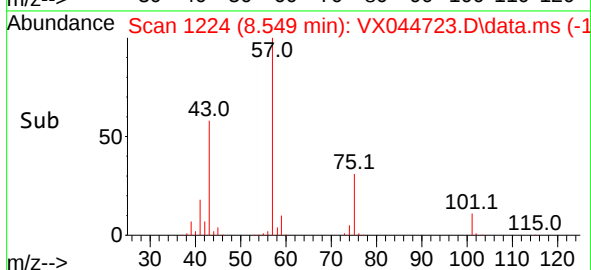
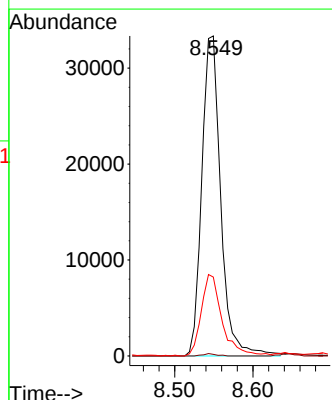
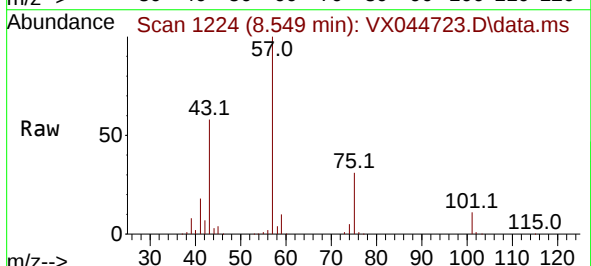
Tgt Ion: 75 Resp: 55967

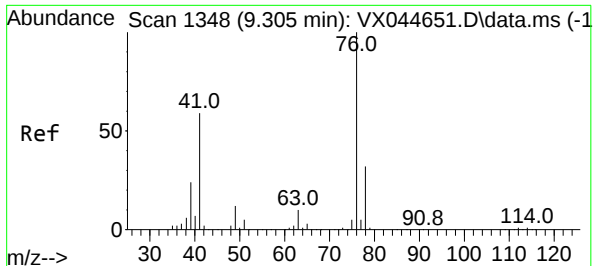
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 24.7 40.3 60.5#





#57

1,3-Dichloropropane

Concen: 2.009 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

Instrument :

MSVOA_X

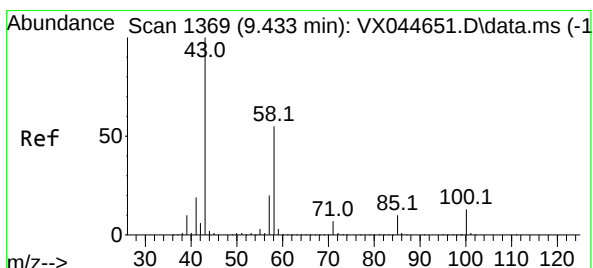
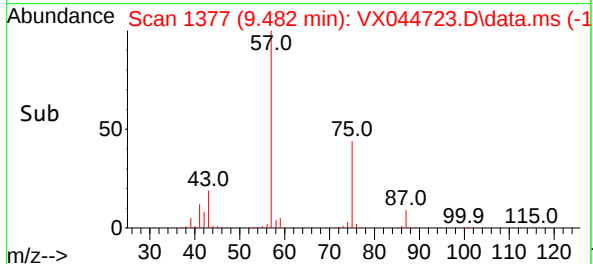
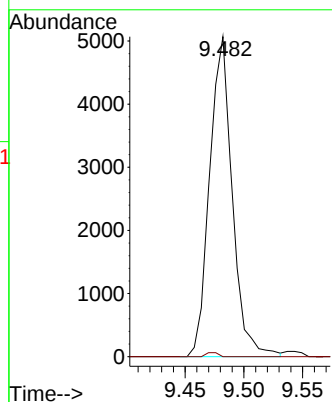
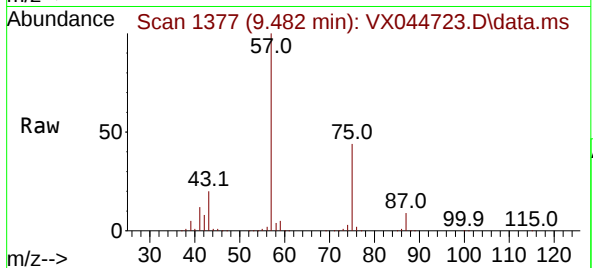
ClientSampleId :

Tgt Ion: 76 Resp: 6792

Ion Ratio Lower Upper

76 100

78 0.7 26.0 39.0#



#59

2-Hexanone

Concen: 43.260 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX044723.D

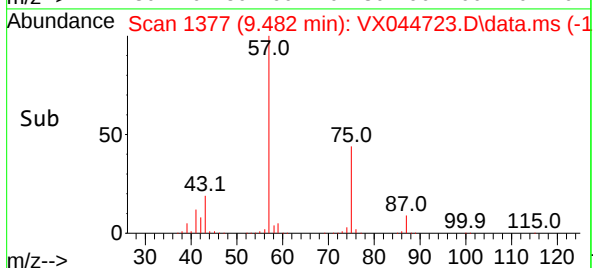
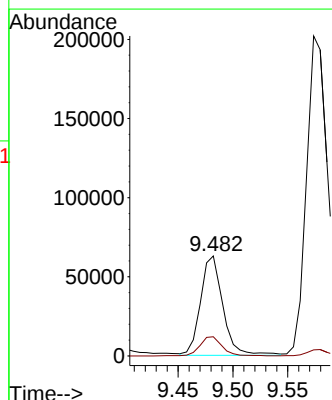
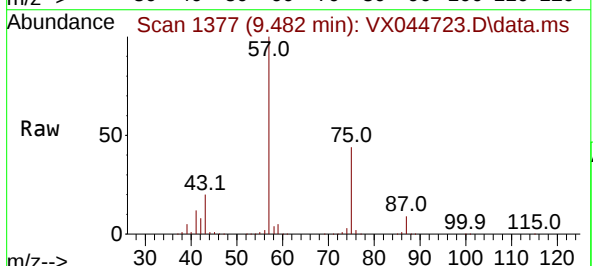
Acq: 27 Jan 2025 14:55

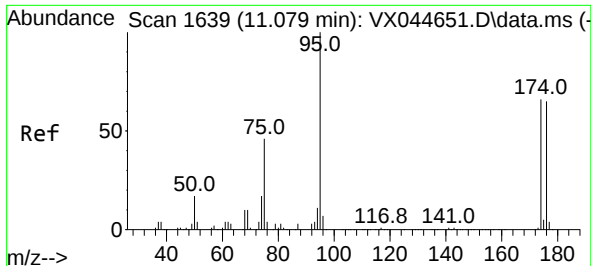
Tgt Ion: 43 Resp: 89158

Ion Ratio Lower Upper

43 100

58 19.7 27.8 83.3#





#62

4-Bromofluorobenzene

Concen: 51.375 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

Instrument :

MSVOA_X

ClientSampleId :

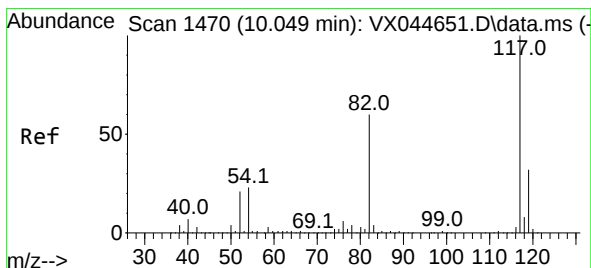
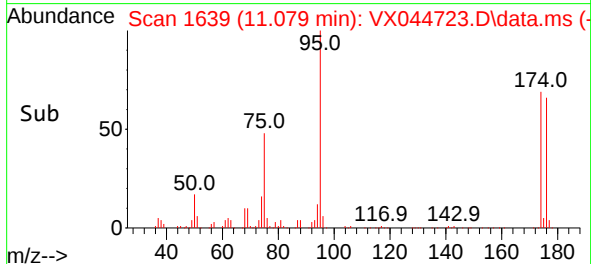
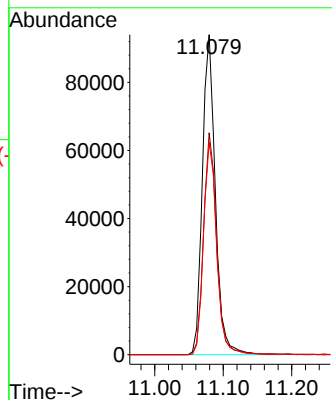
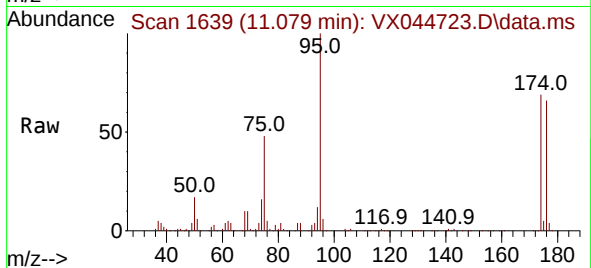
Tgt Ion: 95 Resp: 124135

Ion Ratio Lower Upper

95 100

174 69.7 0.0 133.0

176 67.4 0.0 129.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044723.D

Acq: 27 Jan 2025 14:55

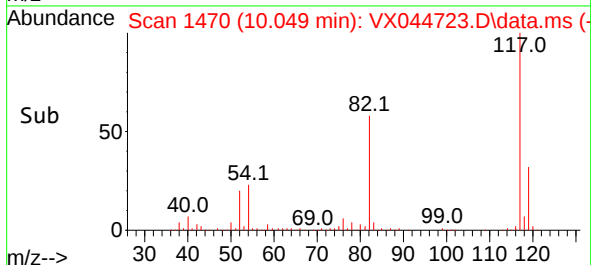
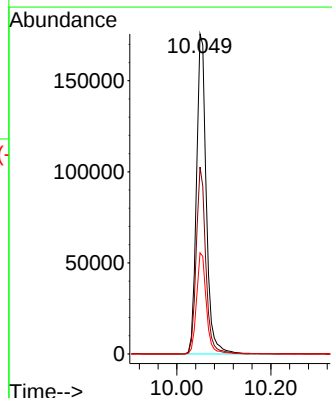
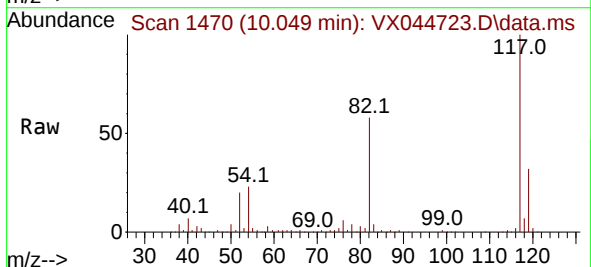
Tgt Ion: 117 Resp: 256413

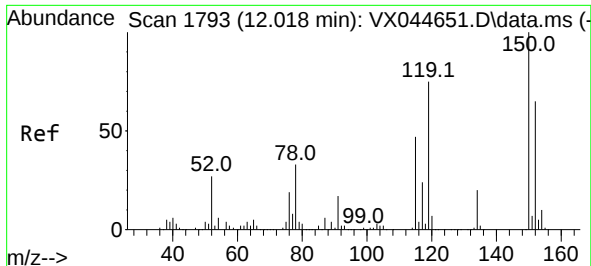
Ion Ratio Lower Upper

117 100

82 58.4 47.6 71.4

119 31.6 25.4 38.2

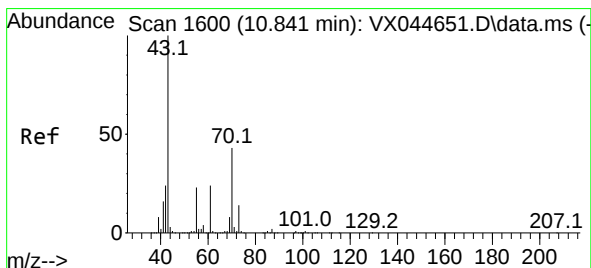
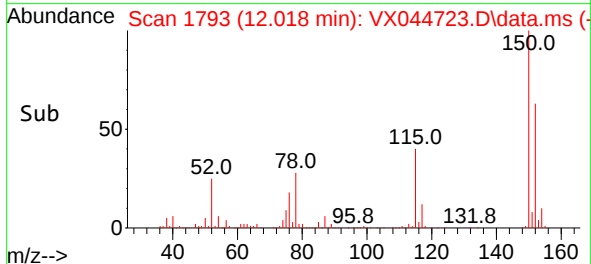
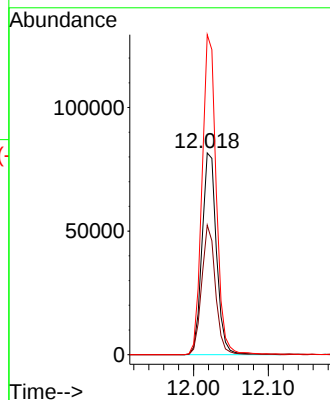
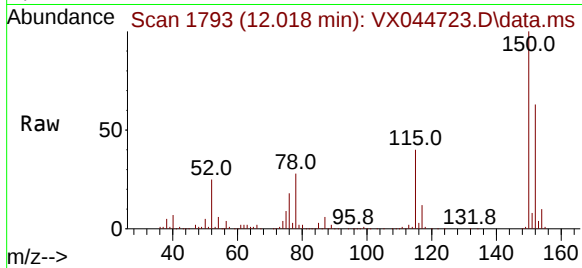




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX044723.D
 Acq: 27 Jan 2025 14:55

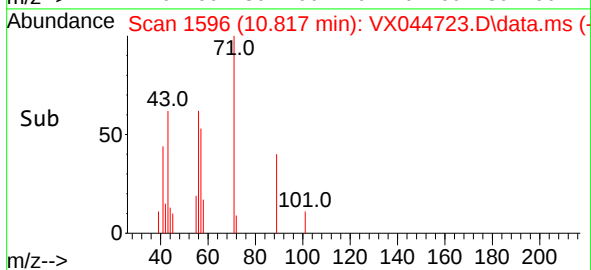
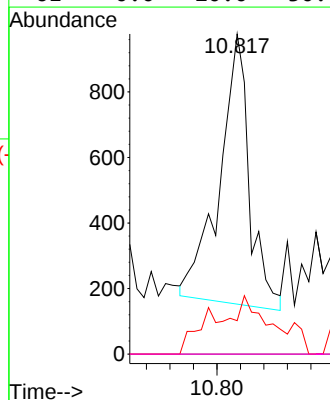
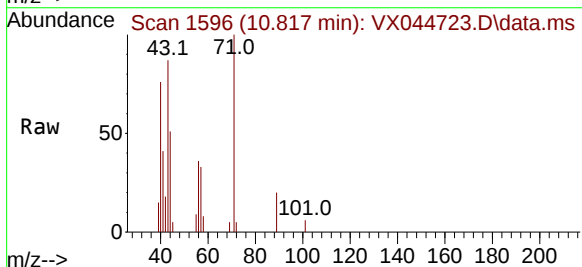
Instrument :
 MSVOA_X
 ClientSampleId :

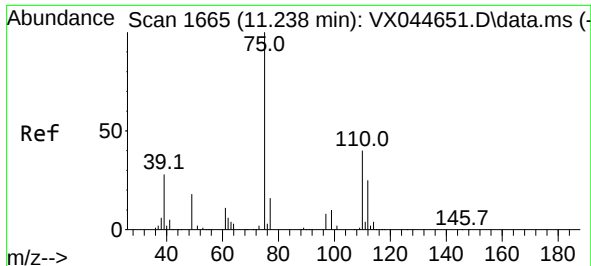
Tgt Ion:152 Resp: 109686
 Ion Ratio Lower Upper
 152 100
 115 61.2 43.8 131.4
 150 156.0 0.0 347.8



#74
 N-ethyl acetate
 Concen: 0.329 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.024 min
 Lab File: VX044723.D
 Acq: 27 Jan 2025 14:55

Tgt Ion: 43 Resp: 1451
 Ion Ratio Lower Upper
 43 100
 70 0.0 35.2 52.8#
 55 28.5 19.0 28.4#
 61 0.0 20.0 30.0#

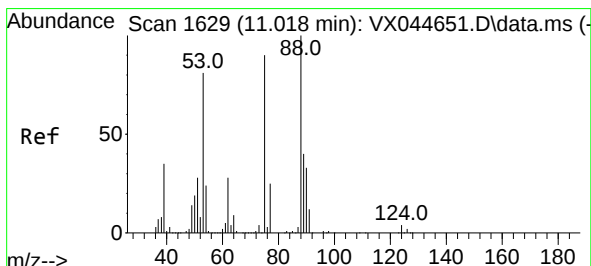
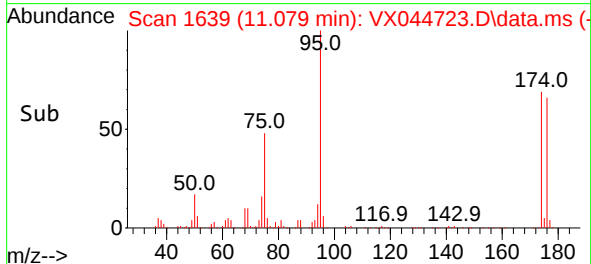
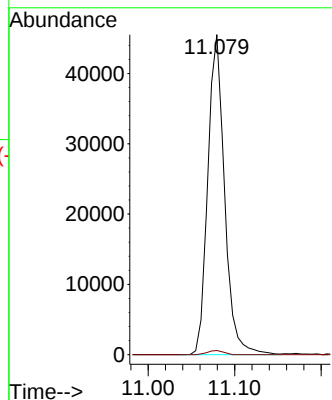
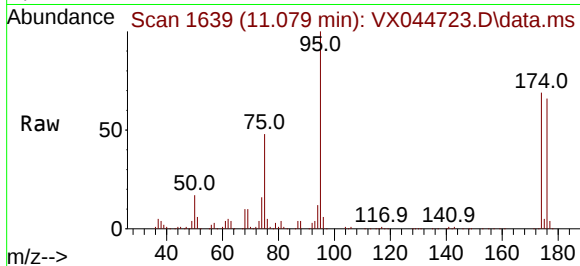




#76
1,2,3-Trichloropropane
Concen: 23.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61319
Ion Ratio Lower Upper
75 100
77 1.3 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044723.D
Acq: 27 Jan 2025 14:55

Tgt Ion: 75 Resp: 61319
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.1 37.4 56.0#

