

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020325\
 Data File : VX044811.D
 Acq On : 03 Feb 2025 13:27
 Operator : JC/MD
 Sample : Q1216-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 04 02:08:59 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)

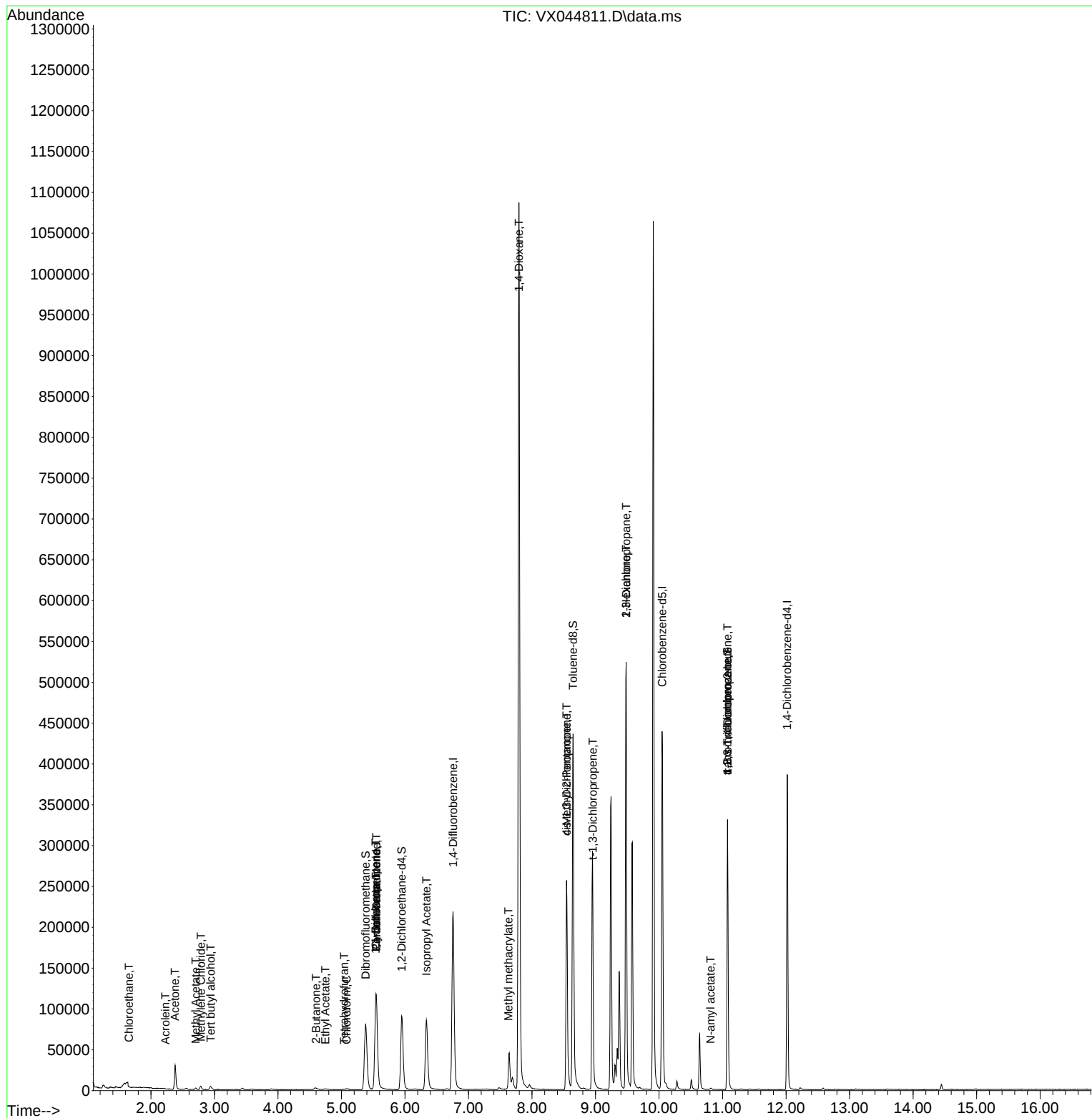
Internal Standards						
1) Pentafluorobenzene	5.550	168	113728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	233647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	200547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	77414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83877	48.861	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.720%
35) Dibromofluoromethane	5.379	113	73379	49.436	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.880%
50) Toluene-d8	8.647	98	274881	53.112	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.220%
62) 4-Bromofluorobenzene	11.079	95	89859	46.574	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.140%
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	168	0.560	ug/l #	41
11) Tert butyl alcohol	2.940	59	2428	6.344	ug/l #	85
13) Acrolein	2.227	56	44	0.244	ug/l #	1
16) Acetone	2.380	43	32201	47.412	ug/l	99
18) Methyl Acetate	2.703	43	2699	1.288	ug/l #	86
20) Methylene Chloride	2.788	84	2206	1.395	ug/l	89
25) 2-Butanone	4.599	43	3221	3.190	ug/l	94
29) Tetrahydrofuran	5.044	42	656	1.007	ug/l #	58
30) Chloroform	5.080	83	1292	0.479	ug/l #	84
31) Cyclohexane	5.544	56	2625	1.214	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10219	4.946	ug/l #	41
37) Ethyl Acetate	4.745	43	1368	0.622	ug/l #	82
38) Carbon Tetrachloride	5.550	117	11525	4.959	ug/l #	16
43) Isopropyl Acetate	6.336	43	125070	30.898	ug/l	99
48) Methyl methacrylate	7.629	41	2799	1.490	ug/l #	37
49) 1,4-Dioxane	7.793	88	178	4.541	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	93648	41.864	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	661	0.254	ug/l #	44
54) cis-1,3-Dichloropropene	8.543	75	43798	15.538	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	4863	1.801	ug/l #	42
59) 2-Hexanone	9.482	43	63898	38.827	ug/l #	51
74) N-amyl acetate	10.811	43	967	0.310	ug/l #	42
76) 1,2,3-Trichloropropane	11.079	75	45296	24.110	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.079	75	45296	55.136	ug/l #	12

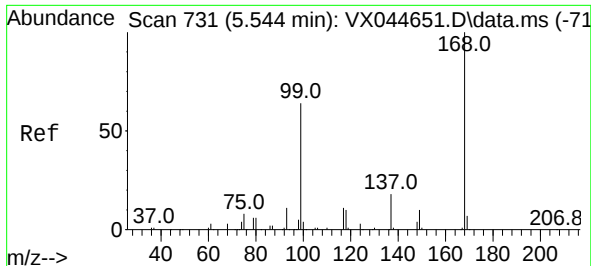
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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
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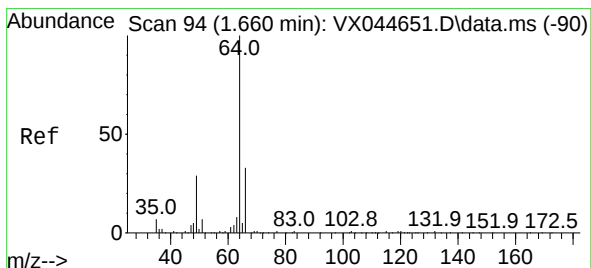
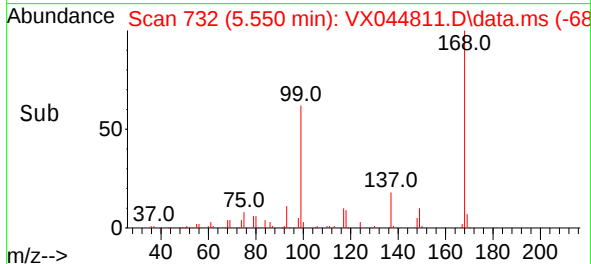
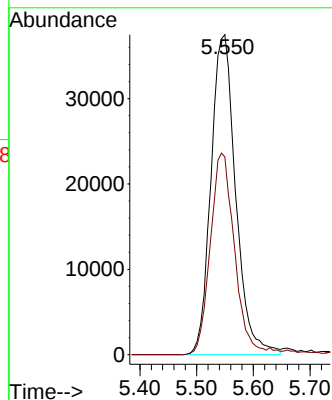
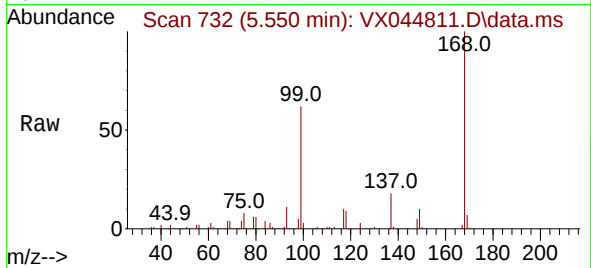




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

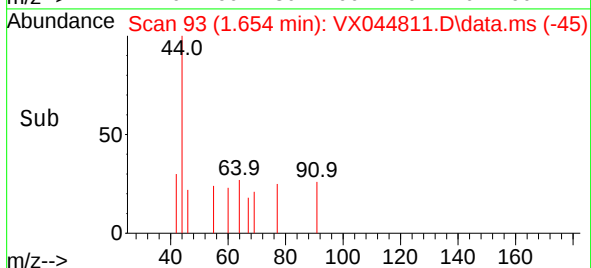
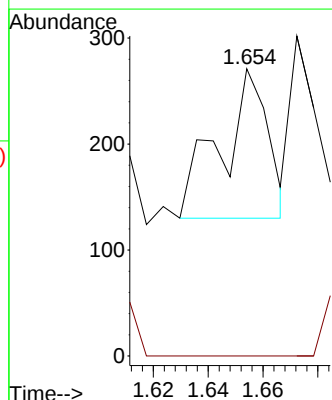
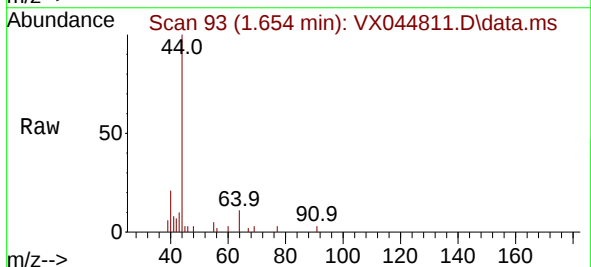
Instrument :
MSVOA_X
ClientSampleId :

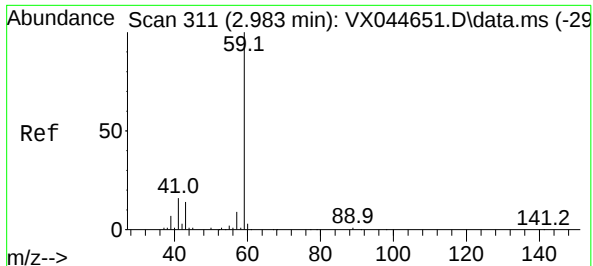
Tgt Ion:168 Resp: 113728
Ion Ratio Lower Upper
168 100
99 61.8 51.1 76.7



#6
Chloroethane
Concen: 0.560 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#





#11

Tert butyl alcohol

Concen: 6.344 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.043 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

Instrument :

MSVOA_X

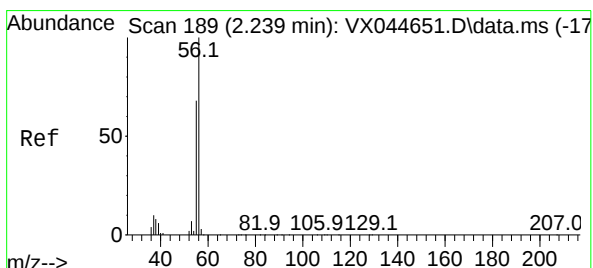
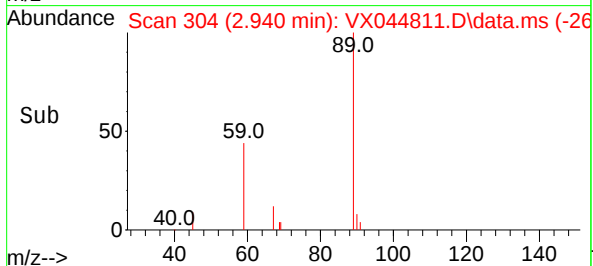
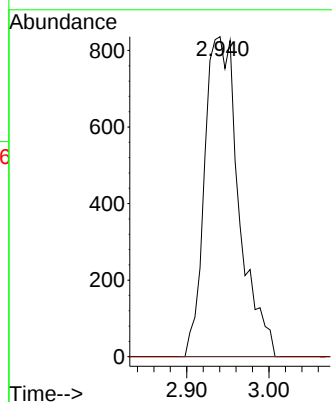
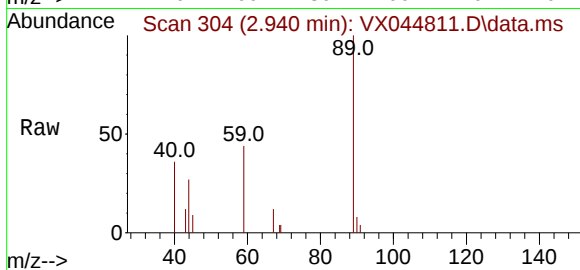
ClientSampleId :

Tgt Ion: 59 Resp: 2428

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 0.244 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX044811.D

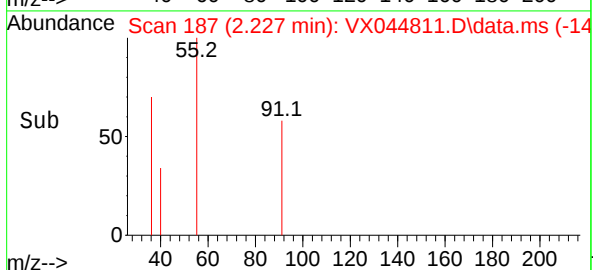
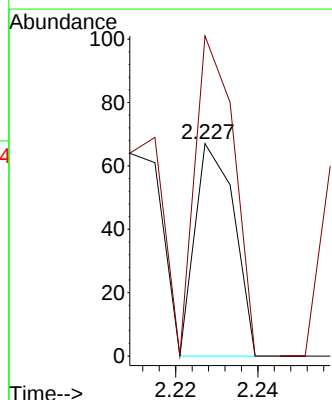
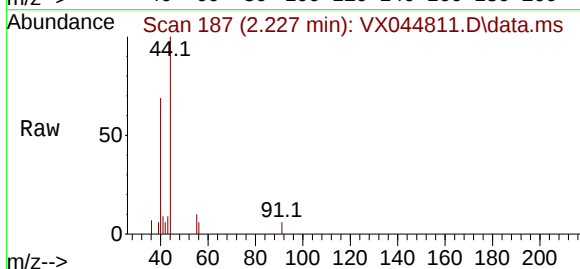
Acq: 03 Feb 2025 13:27

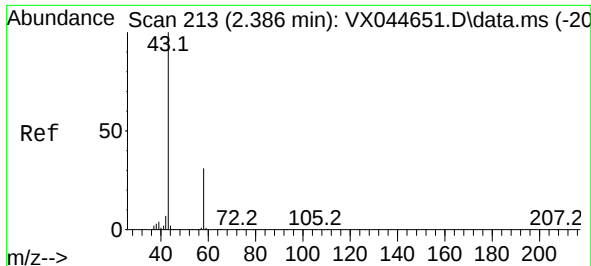
Tgt Ion: 56 Resp: 44

Ion Ratio Lower Upper

56 100

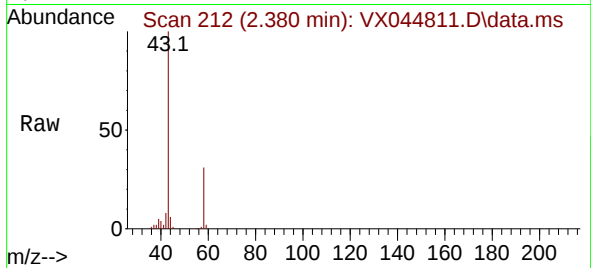
55 150.0 55.1 82.7#



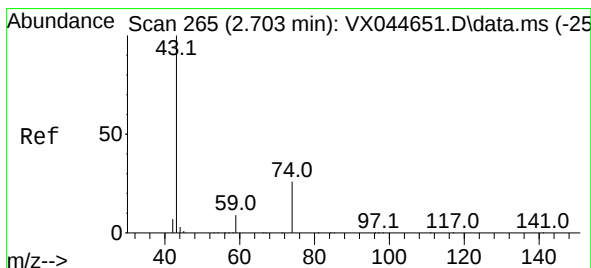
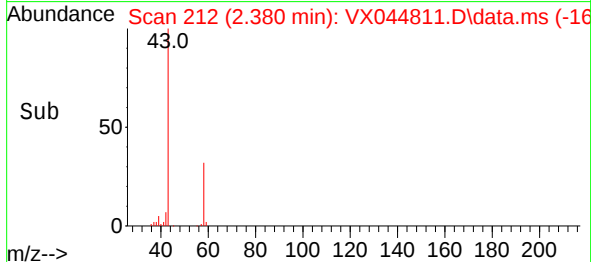
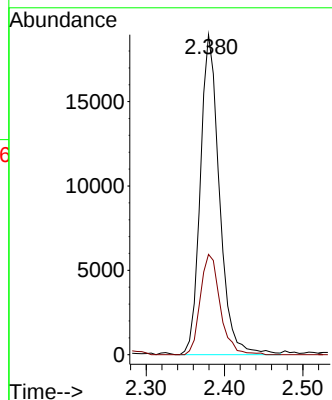


#16
Acetone
Concen: 47.412 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

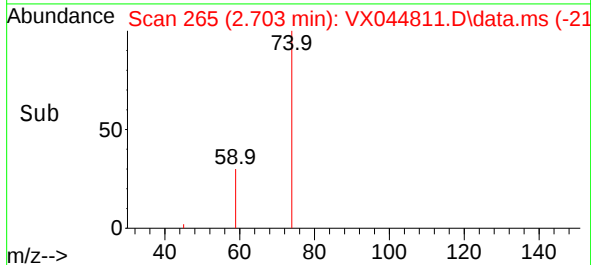
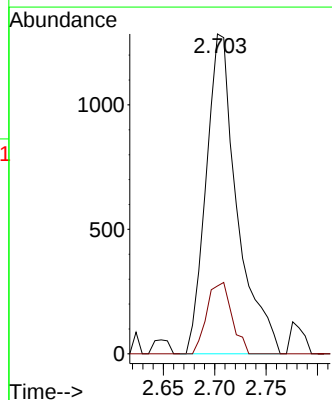
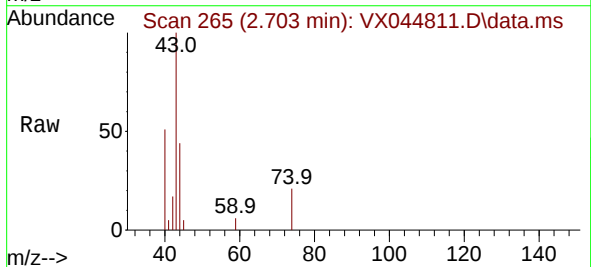


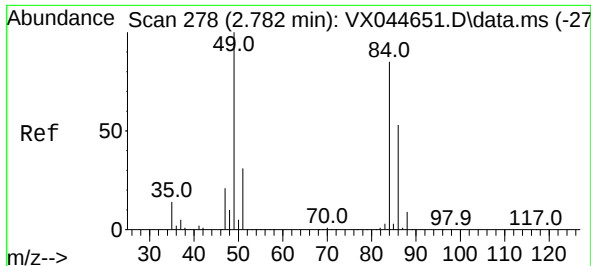
Tgt Ion: 43 Resp: 32201
Ion Ratio Lower Upper
43 100
58 31.4 24.6 37.0



#18
Methyl Acetate
Concen: 1.288 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

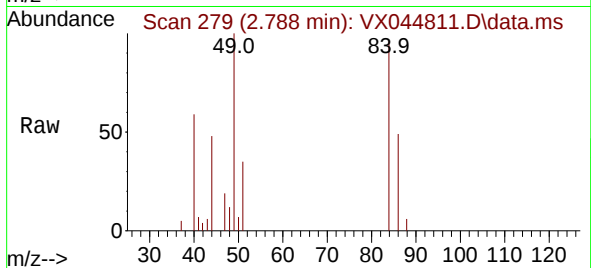
Tgt Ion: 43 Resp: 2699
Ion Ratio Lower Upper
43 100
74 18.0 19.8 29.8#



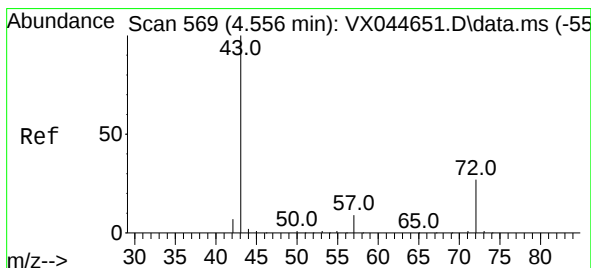
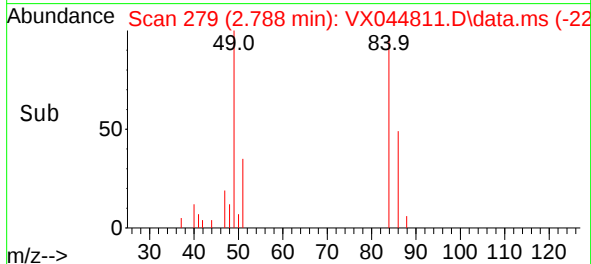
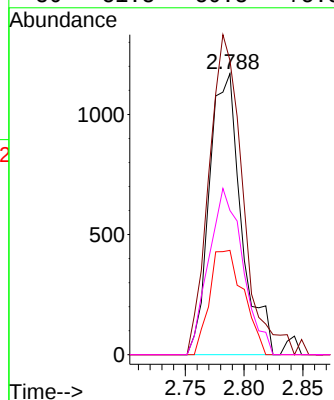


#20
Methylene Chloride
Concen: 1.395 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

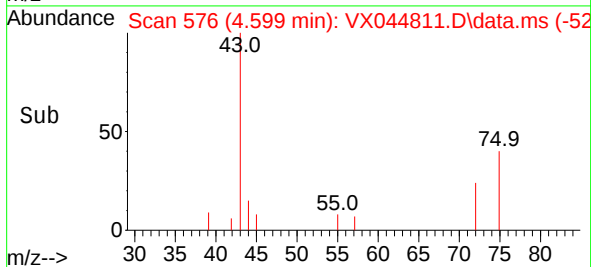
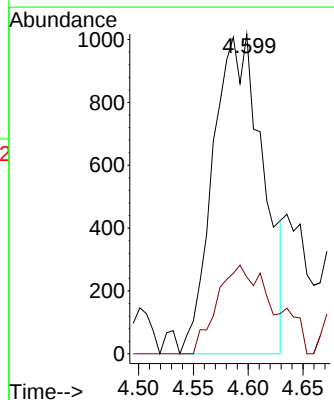
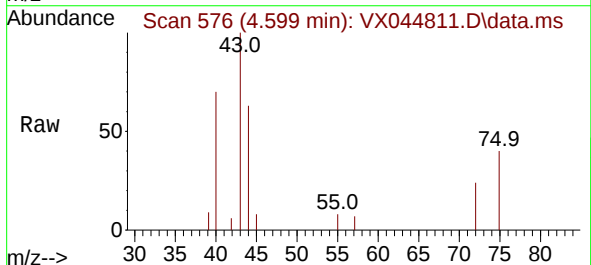


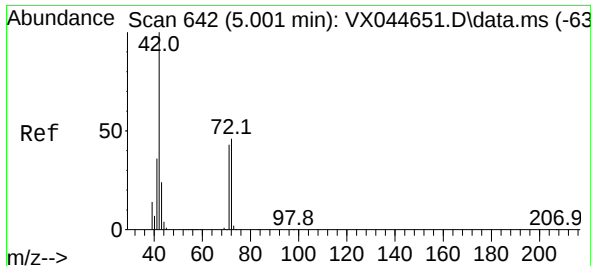
Tgt Ion:	84	Resp:	2206
Ion	Ratio	Lower	Upper
84	100		
49	104.7	94.2	141.4
51	37.1	28.8	43.2
86	51.3	50.3	75.5



#25
2-Butanone
Concen: 3.190 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion:	43	Resp:	3221
Ion	Ratio	Lower	Upper
43	100		
72	24.0	21.7	32.5





#29

Tetrahydrofuran

Concen: 1.007 ug/l

RT: 5.044 min Scan# 64

Delta R.T. 0.043 min

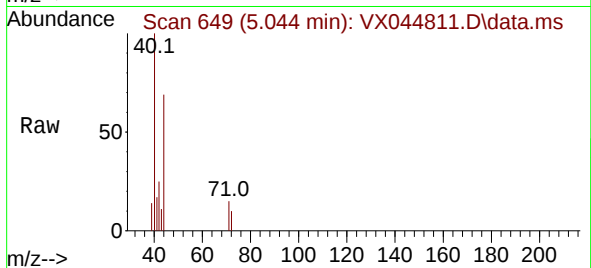
Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

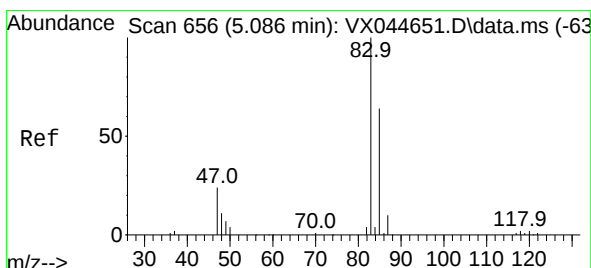
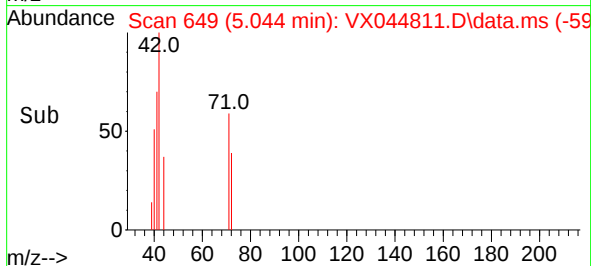
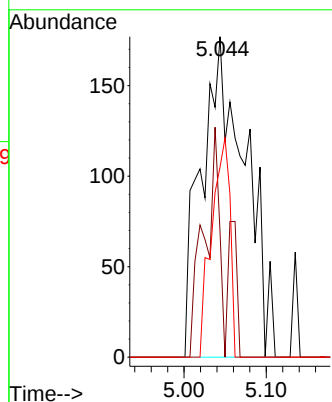
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 42	Resp: 656
Ion Ratio	Lower Upper
42	100
72	8.4 38.2 57.4#
71	28.8 35.3 52.9#



#30

Chloroform

Concen: 0.479 ug/l

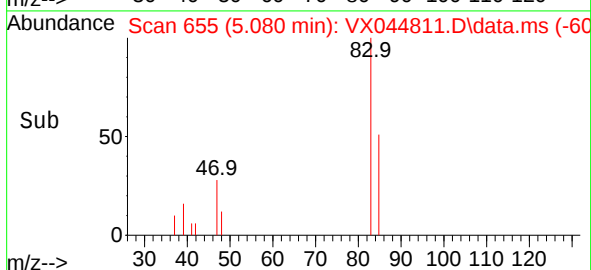
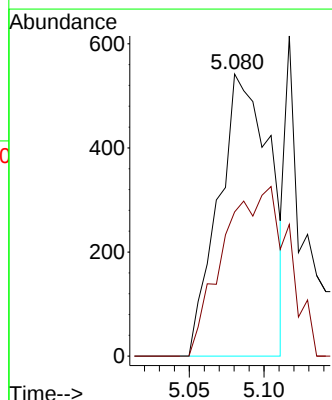
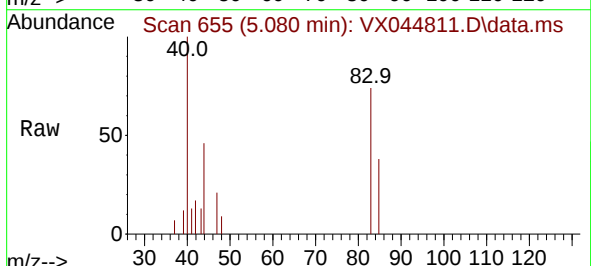
RT: 5.080 min Scan# 655

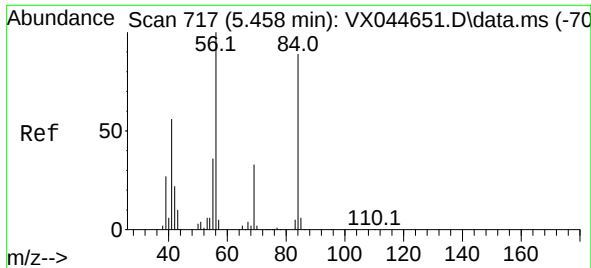
Delta R.T. -0.006 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

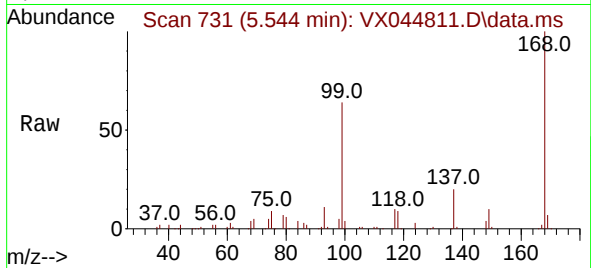
Tgt Ion: 83	Resp: 1292
Ion Ratio	Lower Upper
83	100
85	51.1 51.2 76.8#



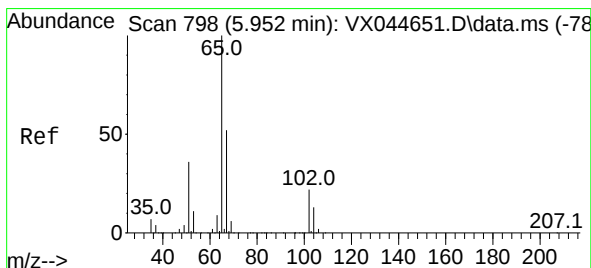
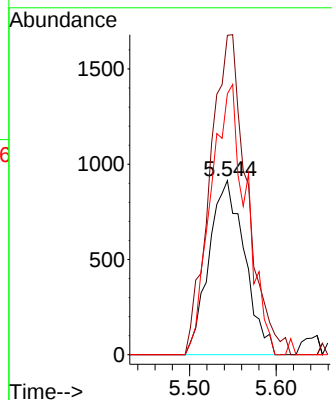
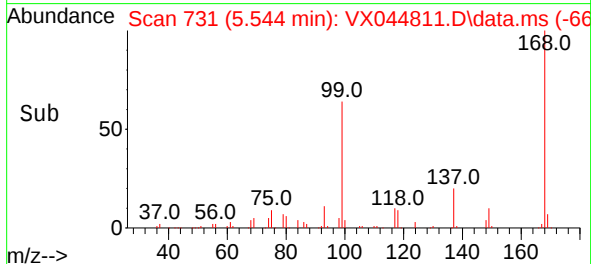


#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

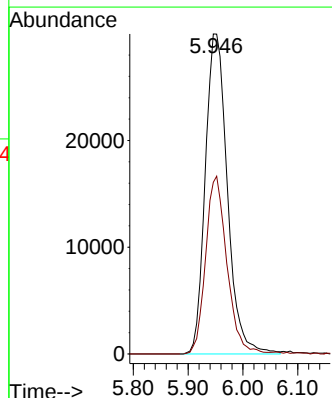
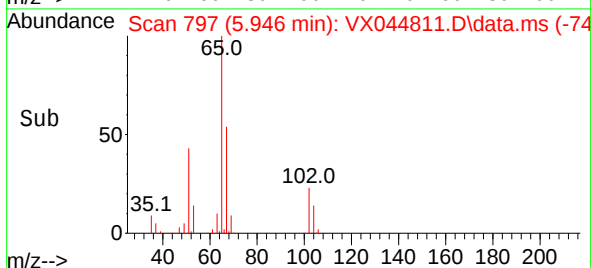
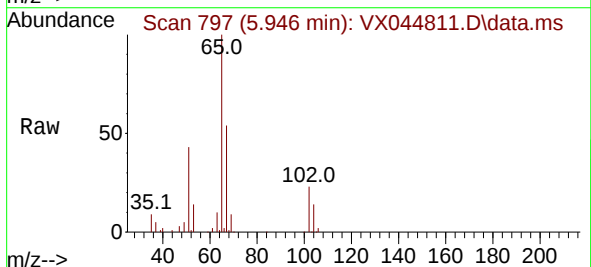


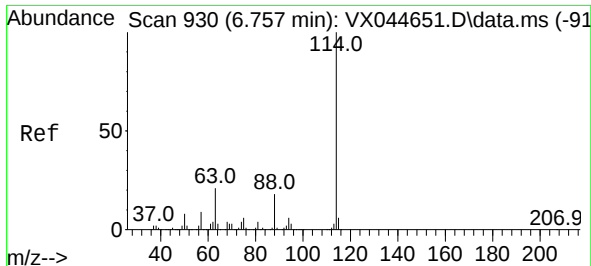
Tgt Ion: 56 Resp: 2625
Ion Ratio Lower Upper
56 100
69 183.5 26.8 40.2#
84 149.9 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 48.861 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 65 Resp: 83877
Ion Ratio Lower Upper
65 100
67 53.4 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: VX044811.D

Acq: 03 Feb 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

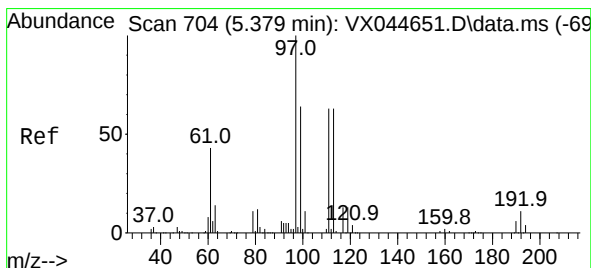
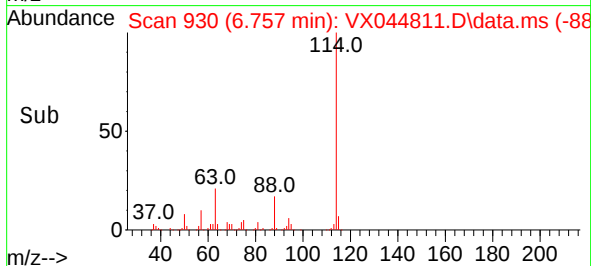
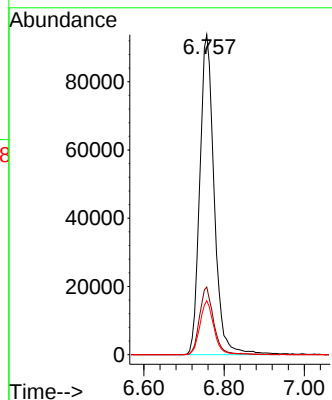
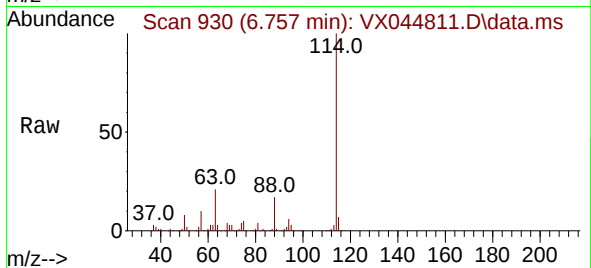
Tgt Ion:114 Resp: 233647

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.0

88 16.8 0.0 35.4



#35

Dibromofluoromethane

Concen: 49.436 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

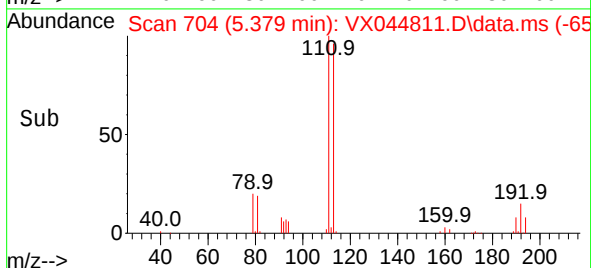
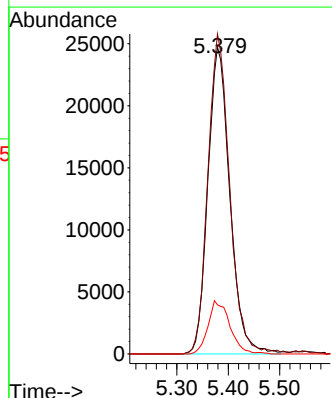
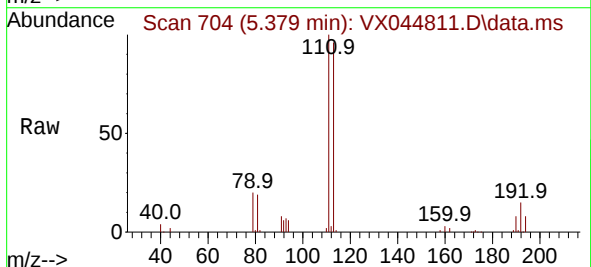
Tgt Ion:113 Resp: 73379

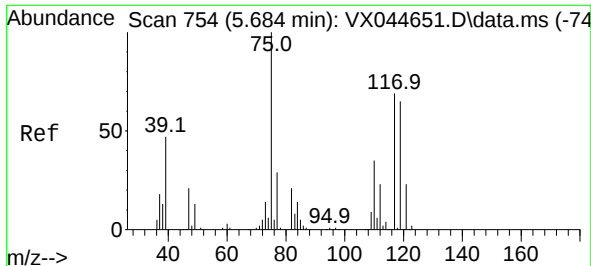
Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

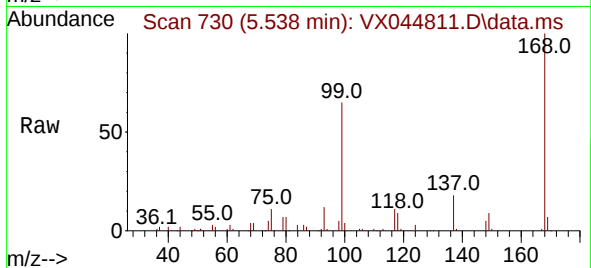
192 17.2 14.4 21.6



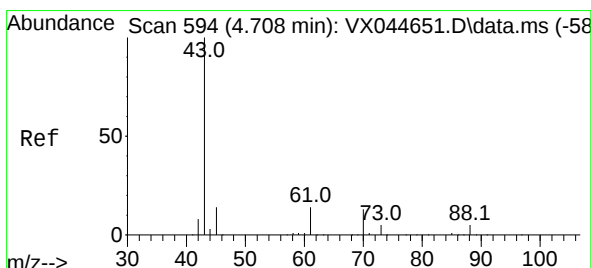
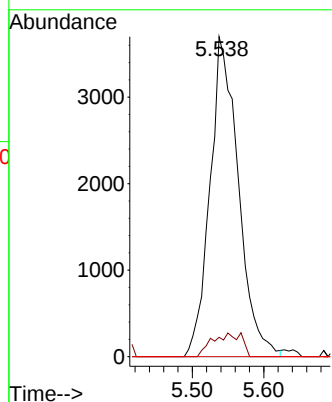
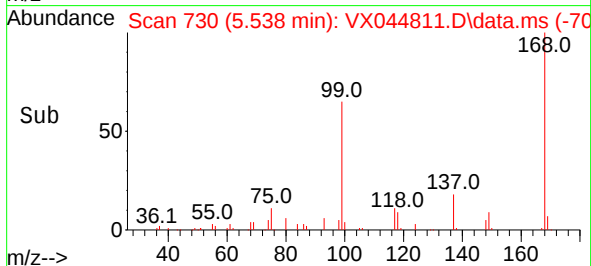


#36
1,1-Dichloropropene
Concen: 4.946 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

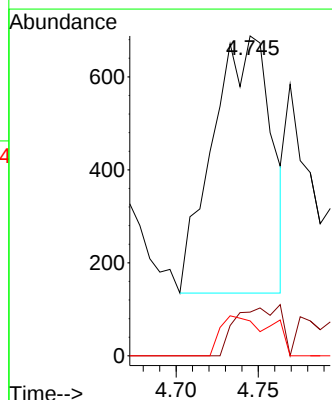
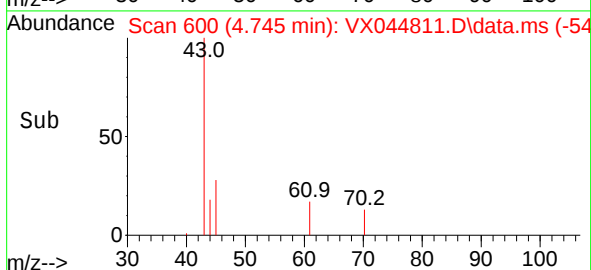
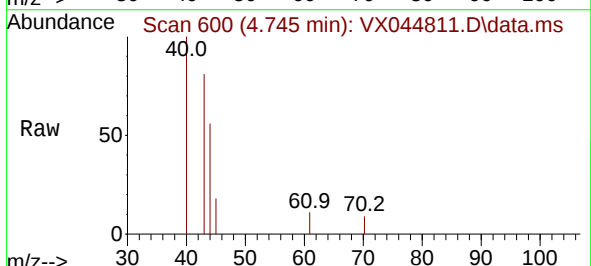


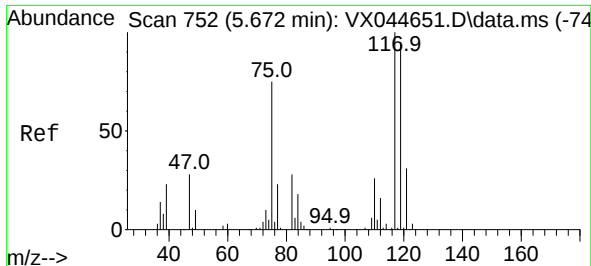
Tgt Ion: 75 Resp: 10219
Ion Ratio Lower Upper
75 100
110 0.0 17.9 53.8#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 0.622 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.037 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

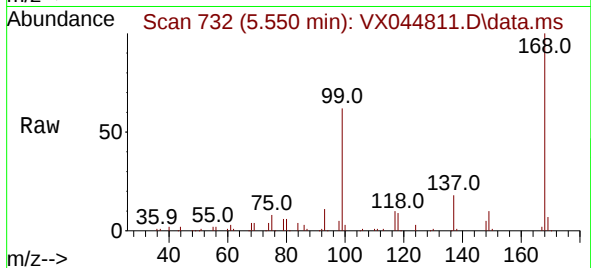
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
61 0.0 10.9 16.3#
70 13.2 10.1 15.1



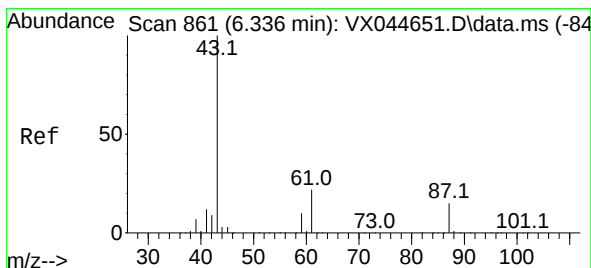
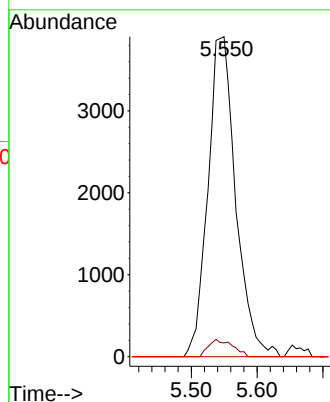
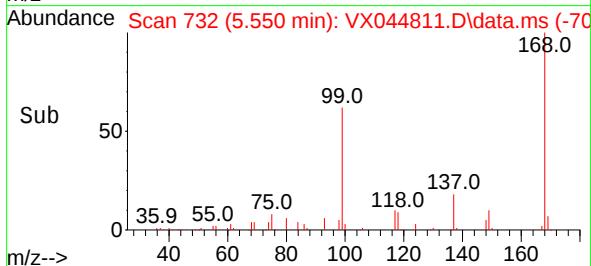


#38
Carbon Tetrachloride
Concen: 4.959 ug/l
RT: 5.550 min Scan# 752
Delta R.T. -0.122 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

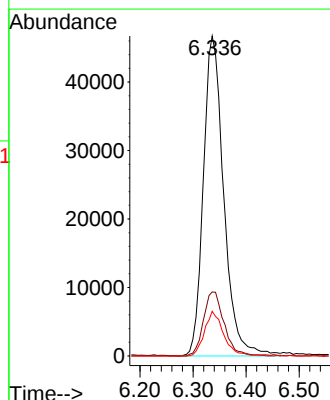
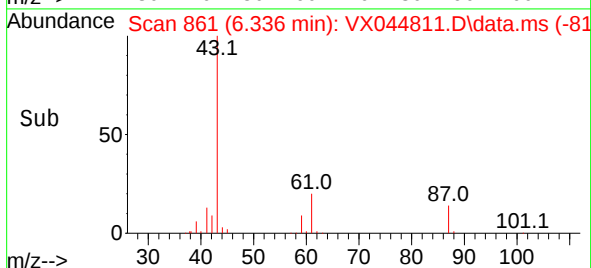
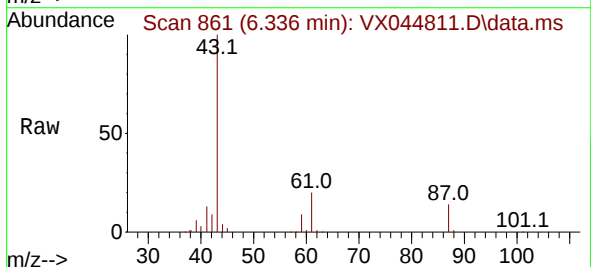


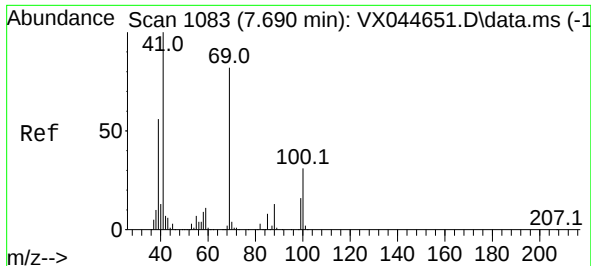
Tgt Ion:117 Resp: 11525
Ion Ratio Lower Upper
117 100
119 4.3 76.0 114.0#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 30.898 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 43 Resp: 125070
Ion Ratio Lower Upper
43 100
61 20.3 16.6 24.8
87 13.0 11.0 16.6

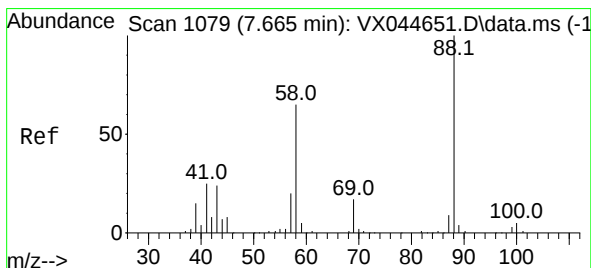
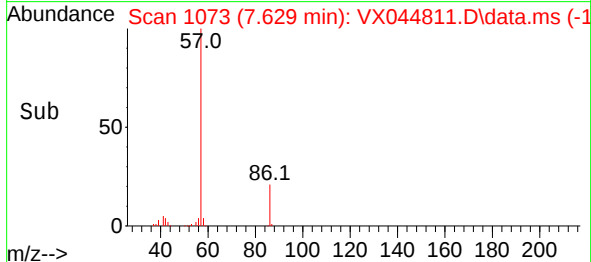
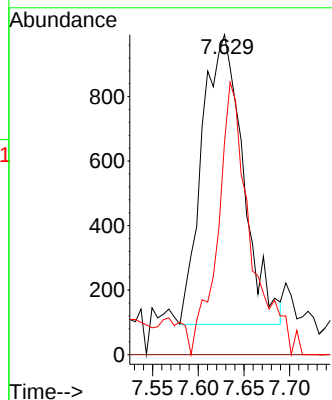
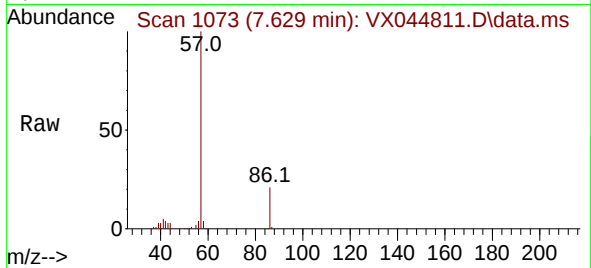




#48
Methyl methacrylate
Concen: 1.490 ug/l
RT: 7.629 min Scan# 1100
Delta R.T. -0.061 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

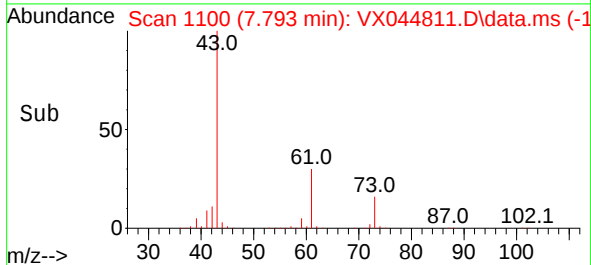
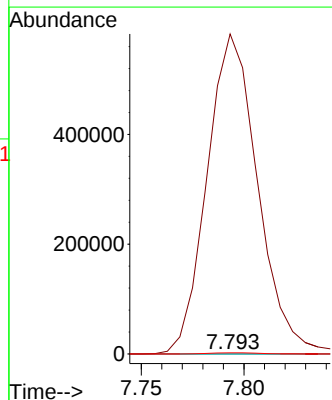
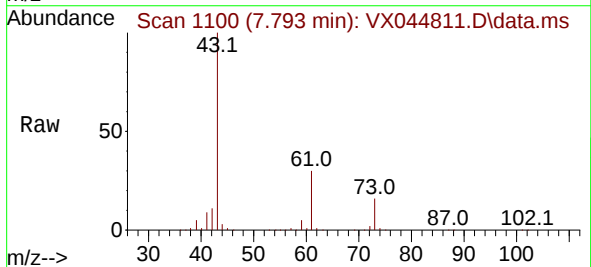
Instrument :
MSVOA_X
ClientSampleId :

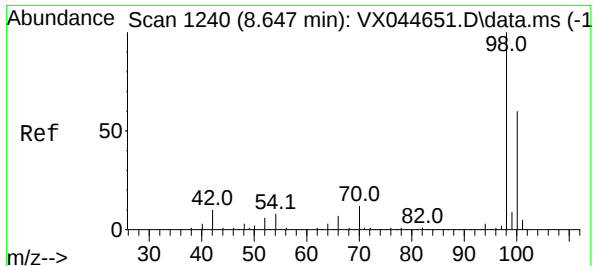
Tgt Ion: 41 Resp: 2799
Ion Ratio Lower Upper
41 100
69 0.0 66.8 100.2#
39 74.8 47.4 71.0#



#49
1,4-Dioxane
Concen: 4.541 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 88 Resp: 178
Ion Ratio Lower Upper
88 100
43 572325.8 27.0 40.4#
58 2210.7 55.8 83.8#

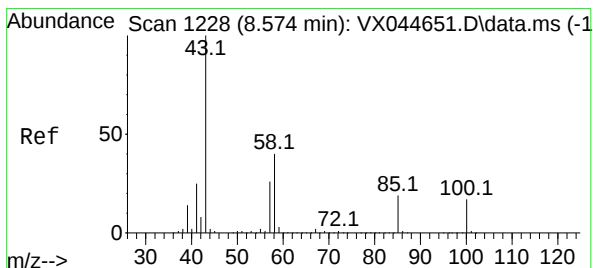
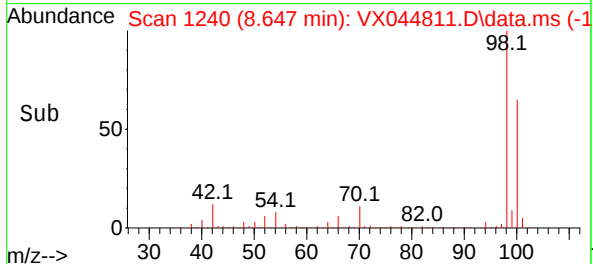
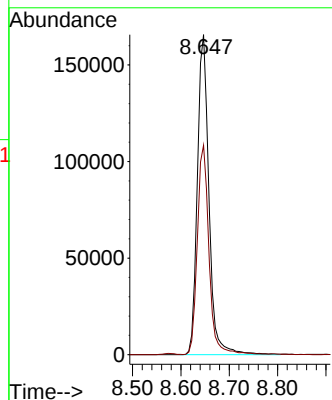
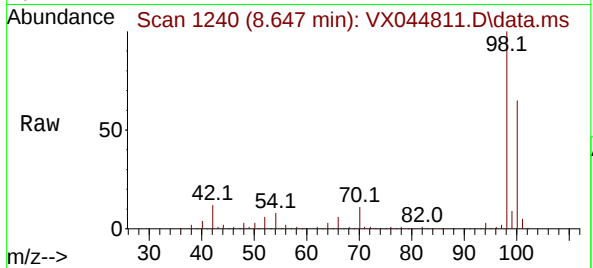




#50
Toluene-d8
Concen: 53.112 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

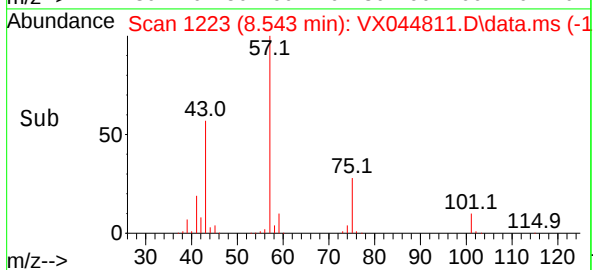
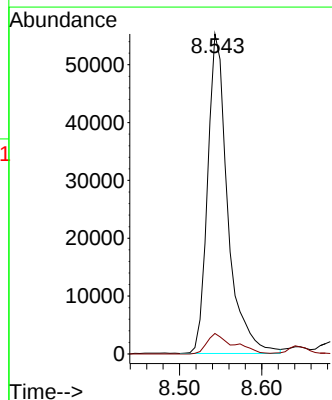
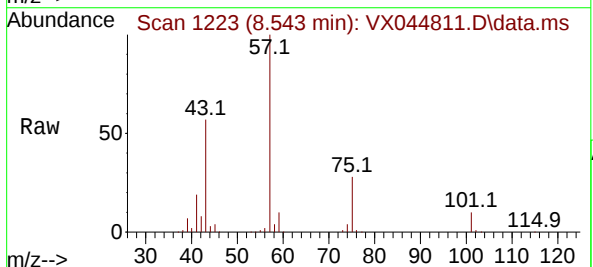
Instrument :
MSVOA_X
ClientSampleId :

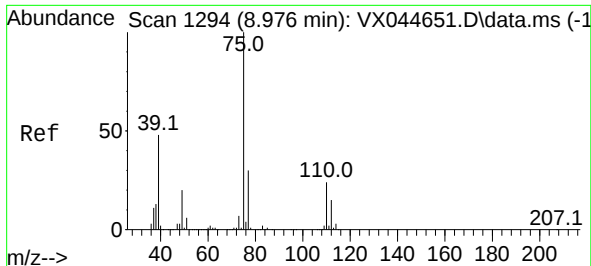
Tgt Ion: 98 Resp: 274881
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 41.864 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.030 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 43 Resp: 93648
Ion Ratio Lower Upper
43 100
58 8.6 31.9 47.9#





#53

t-1,3-Dichloropropene

Concen: 0.254 ug/l

RT: 8.958 min Scan# 11

Delta R.T. -0.018 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

Instrument :

MSVOA_X

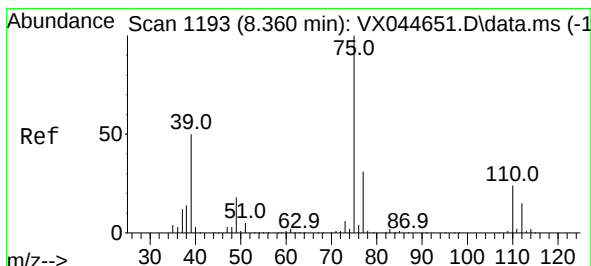
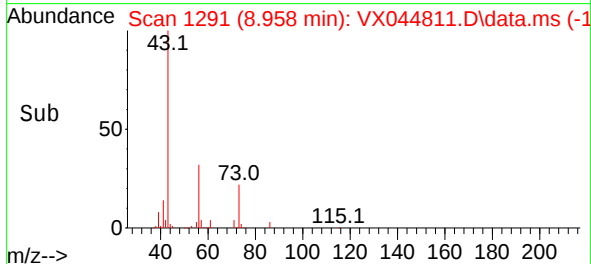
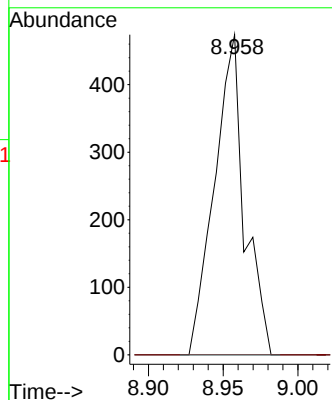
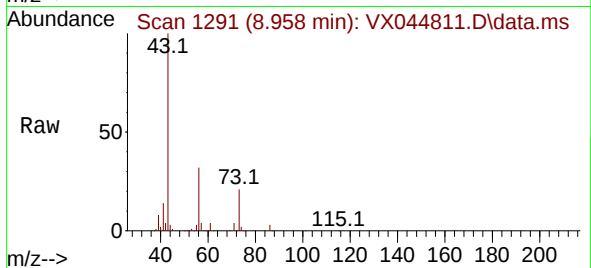
ClientSampleId :

Tgt Ion: 75 Resp: 661

Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#



#54

cis-1,3-Dichloropropene

Concen: 15.538 ug/l

RT: 8.543 min Scan# 1223

Delta R.T. 0.183 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

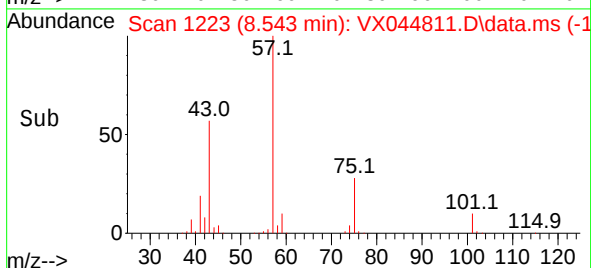
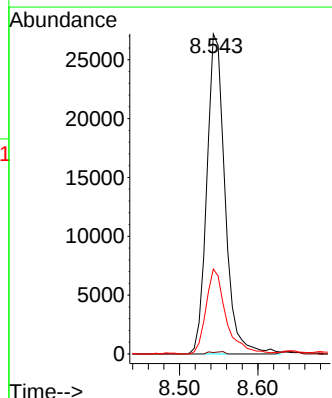
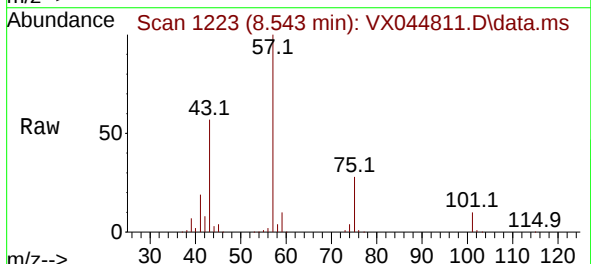
Tgt Ion: 75 Resp: 43798

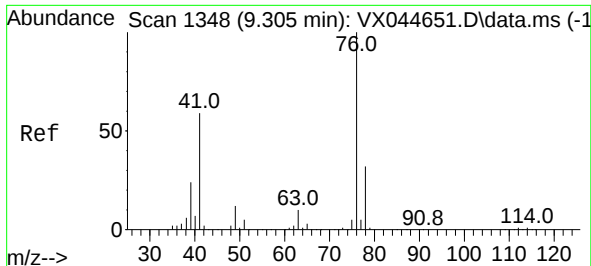
Ion Ratio Lower Upper

75 100

77 0.5 25.1 37.7#

39 26.5 40.3 60.5#

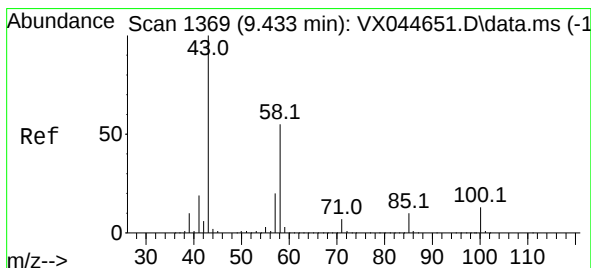
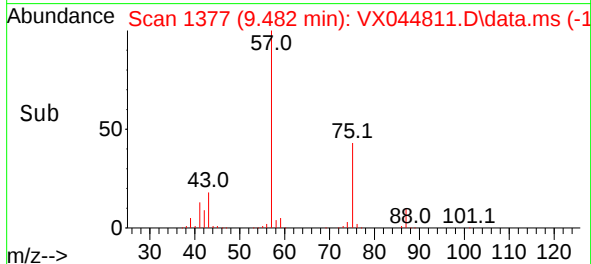
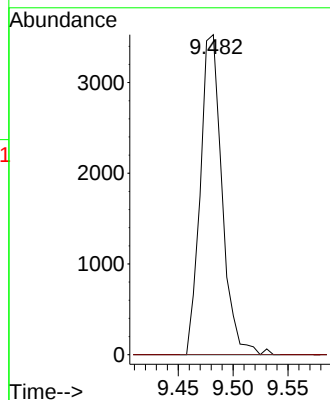
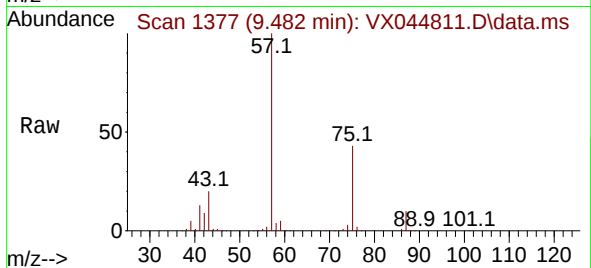




#57
1,3-Dichloropropane
Concen: 1.801 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

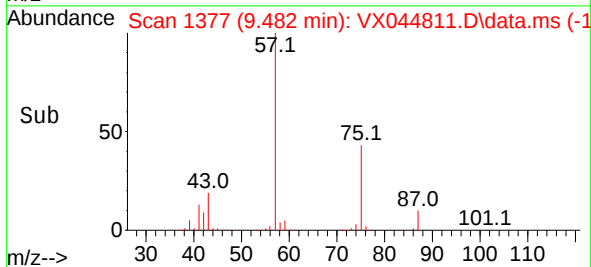
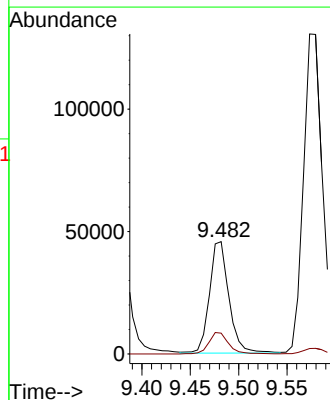
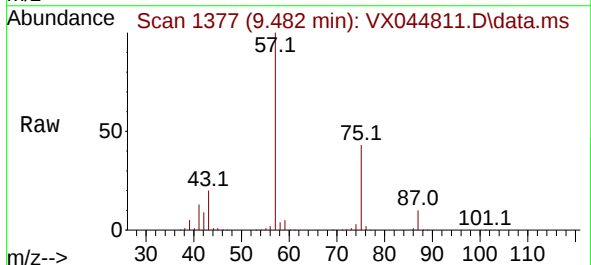
Instrument :
MSVOA_X
ClientSampleId :

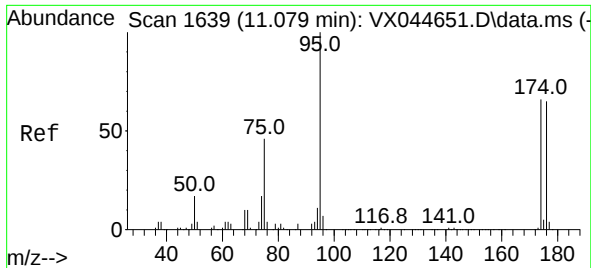
Tgt Ion: 76 Resp: 4863
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#



#59
2-Hexanone
Concen: 38.827 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 43 Resp: 63898
Ion Ratio Lower Upper
43 100
58 19.6 27.8 83.3#





#62

4-Bromofluorobenzene

Concen: 46.574 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044811.D

Acq: 03 Feb 2025 13:27

Instrument :

MSVOA_X

ClientSampleId :

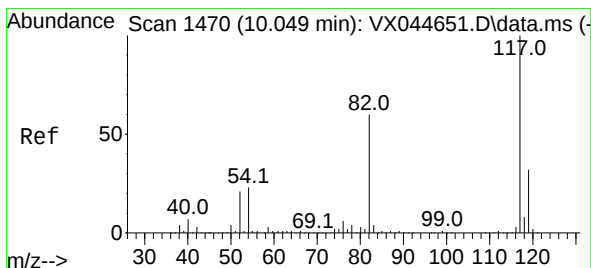
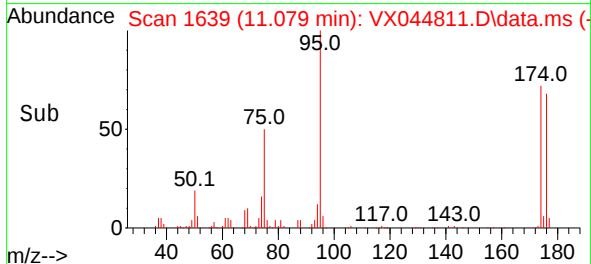
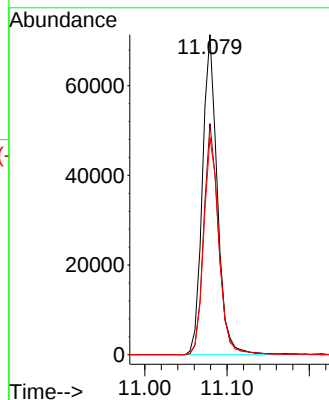
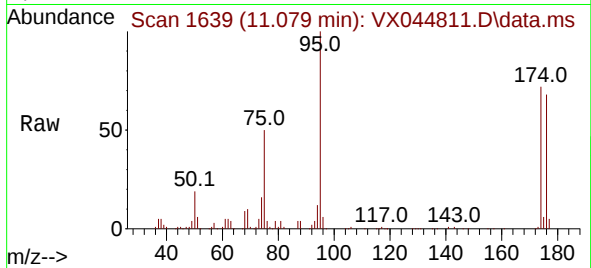
Tgt Ion: 95 Resp: 89859

Ion Ratio Lower Upper

95 100

174 72.0 0.0 133.0

176 69.8 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: VX044811.D

Acq: 03 Feb 2025 13:27

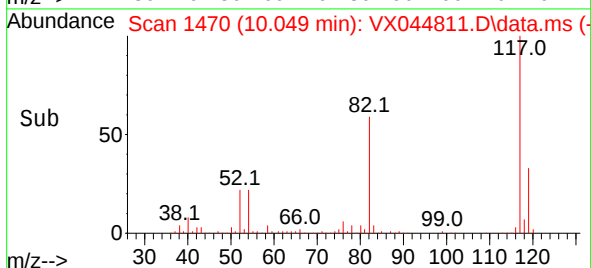
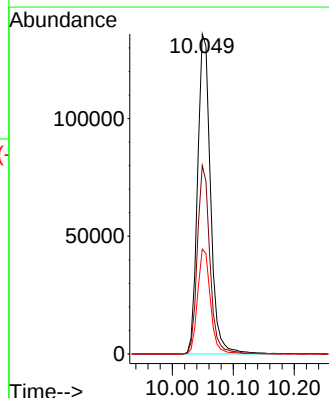
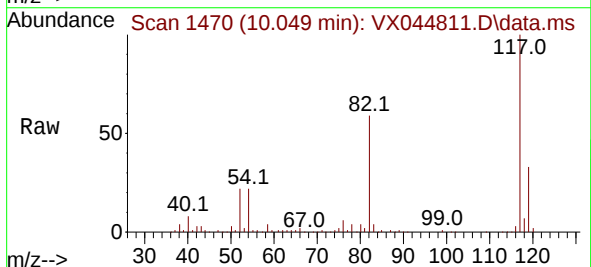
Tgt Ion: 117 Resp: 200547

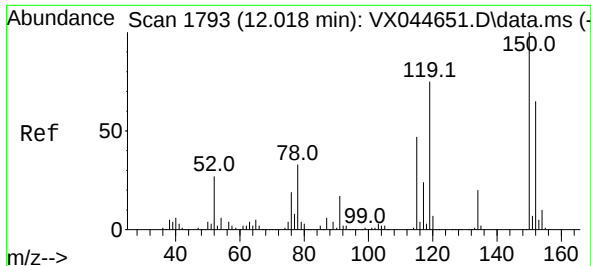
Ion Ratio Lower Upper

117 100

82 58.9 47.6 71.4

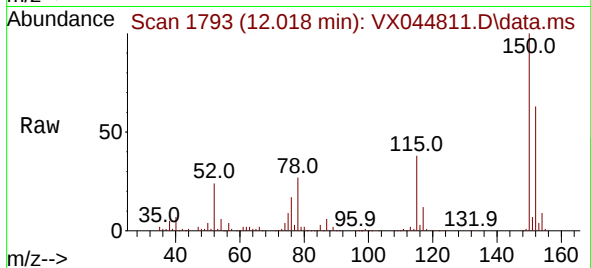
119 32.8 25.4 38.2



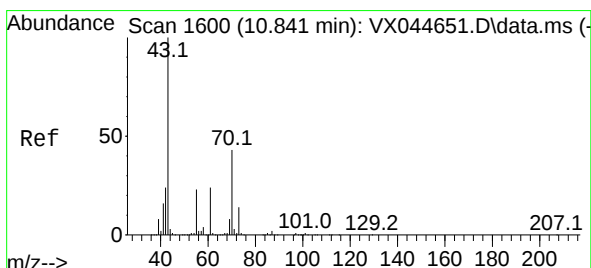
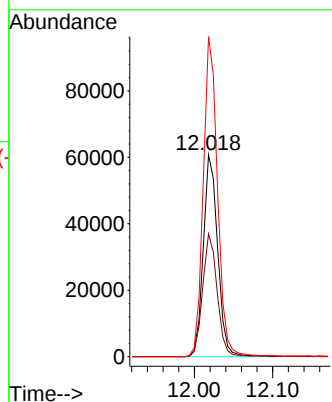
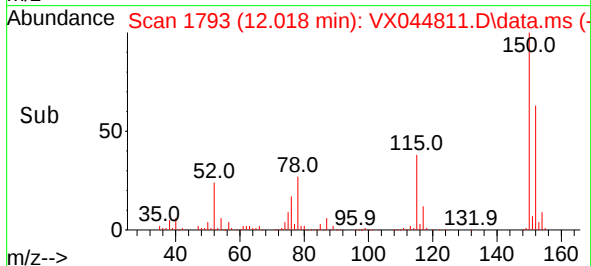


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

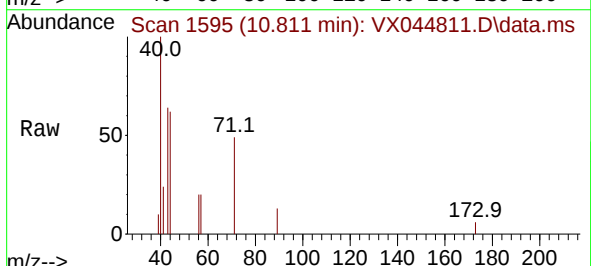
Instrument :
MSVOA_X
ClientSampleId :



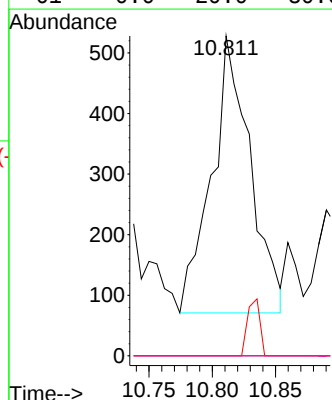
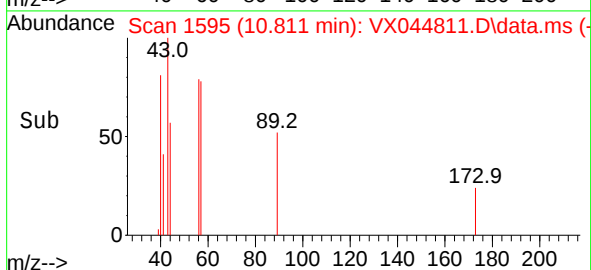
Tgt Ion:152 Resp: 77414
Ion Ratio Lower Upper
152 100
115 61.7 43.8 131.4
150 157.0 0.0 347.8

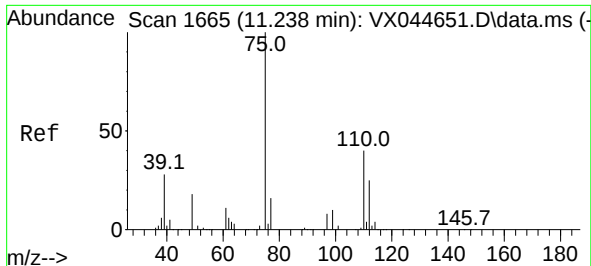


#74
N-ethyl acetate
Concen: 0.310 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. -0.030 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27



Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
70 0.0 35.2 52.8#
55 0.0 19.0 28.4#
61 0.0 20.0 30.0#

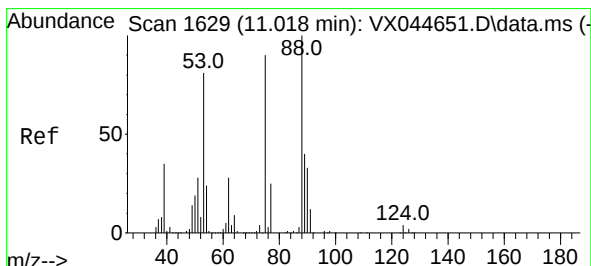
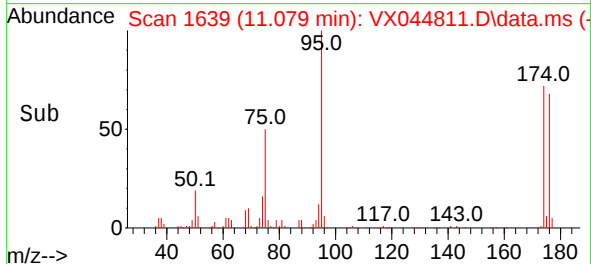
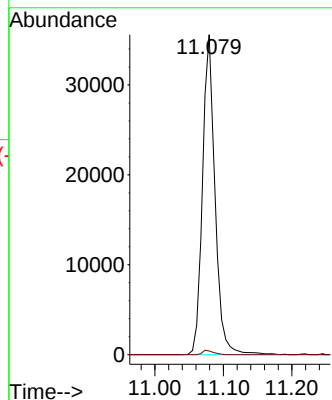
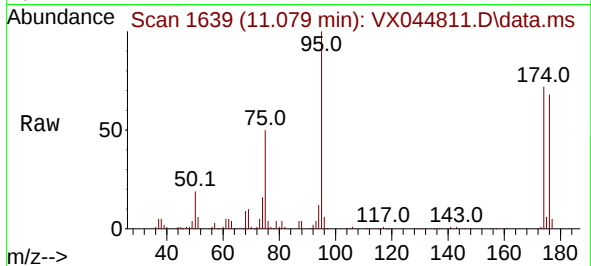




#76
1,2,3-Trichloropropane
Concen: 24.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 45296
Ion Ratio Lower Upper
75 100
77 1.2 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.136 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044811.D
Acq: 03 Feb 2025 13:27

Tgt Ion: 75 Resp: 45296
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#

