

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044887.D
 Acq On : 10 Feb 2025 18:00
 Operator : JC/MD
 Sample : Q1250-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 11 06:09:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

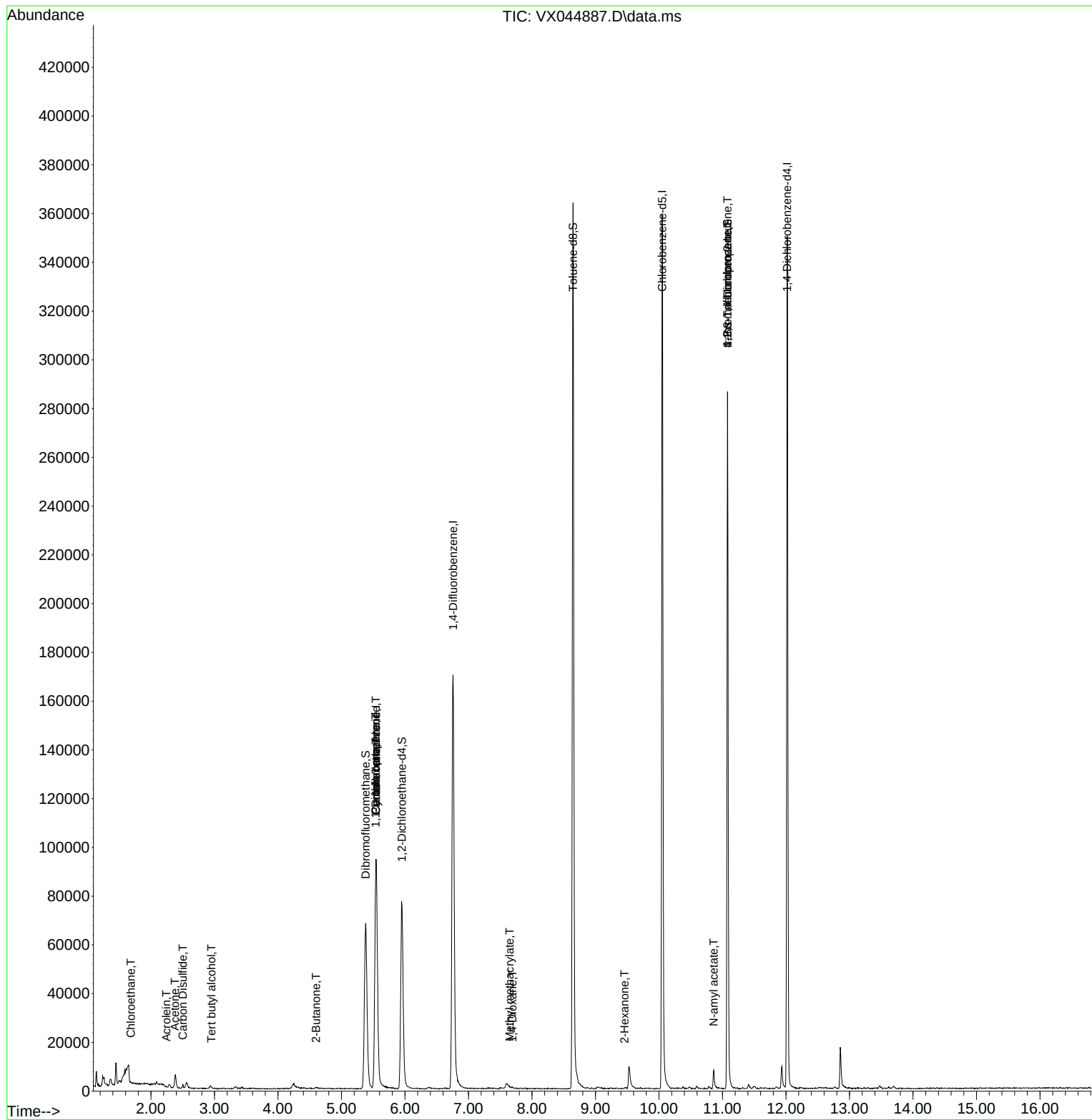
Internal Standards						
1) Pentafluorobenzene	5.544	168	91120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	183168	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70603	52.932	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.860%	
35) Dibromofluoromethane	5.379	113	60790	51.046	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	8.647	98	226081	50.204	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	11.079	95	77471	51.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.060%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	61	1.425	ug/l #	42
11) Tert butyl alcohol	2.953	59	442	1.786	ug/l #	73
13) Acrolein	2.240	56	146	0.572	ug/l	100
16) Acetone	2.380	43	5880	10.966	ug/l	99
17) Carbon Disulfide	2.502	76	1460	0.453	ug/l #	94
25) 2-Butanone	4.599	43	760	0.873	ug/l	99
31) Cyclohexane	5.544	56	2190	1.057	ug/l #	20
36) 1,1-Dichloropropene	5.538	75	7602	4.425	ug/l #	49
38) Carbon Tetrachloride	5.544	117	9870	5.862	ug/l #	14
48) Methyl methacrylate	7.647	41	474	0.326	ug/l #	45
49) 1,4-Dioxane	7.690	88	190	6.086	ug/l #	71
59) 2-Hexanone	9.458	43	339	0.251	ug/l	62
74) N-amyl acetate	10.860	43	1318	0.531	ug/l #	12
76) 1,2,3-Trichloropropane	11.079	75	39794	26.336	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	39794	67.745	ug/l #	11

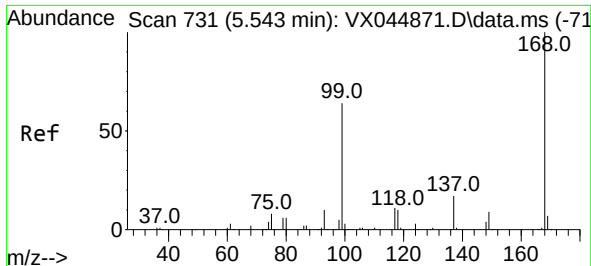
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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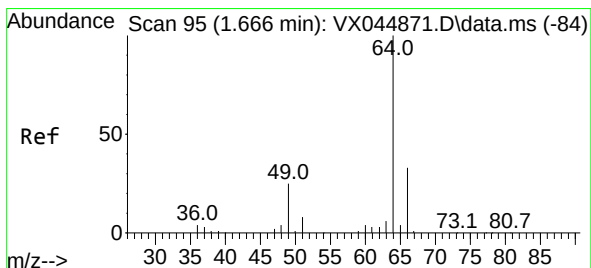
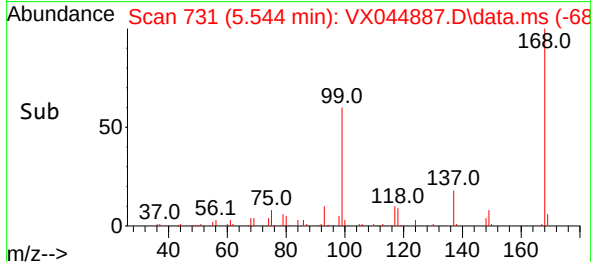
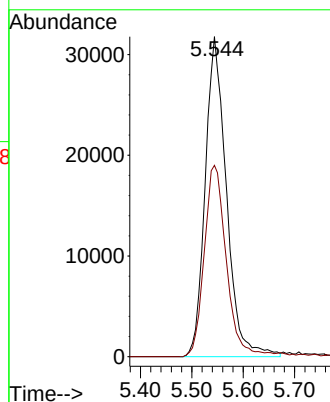
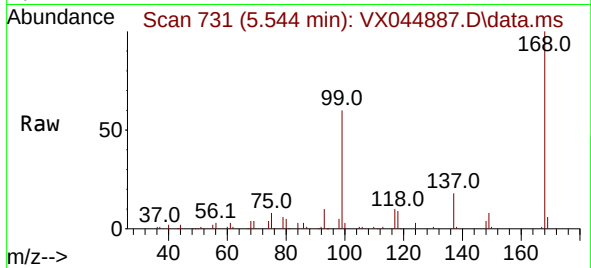




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

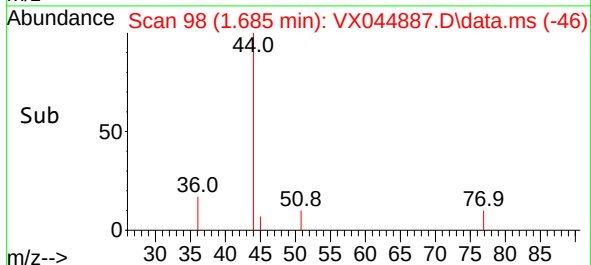
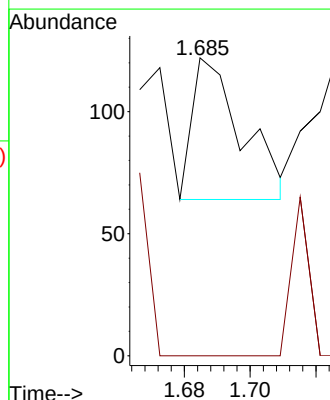
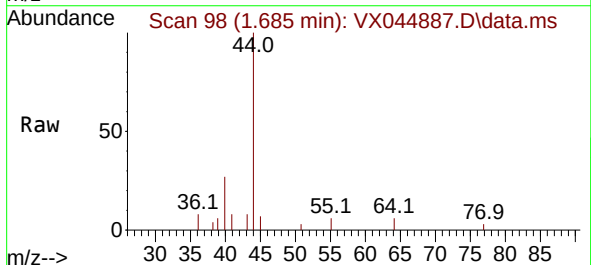
Instrument :
MSVOA_X
ClientSampleId :

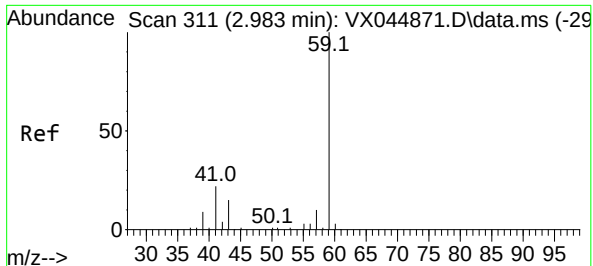
Tgt Ion:168 Resp: 91120
Ion Ratio Lower Upper
168 100
99 59.8 51.2 76.8



#6
Chloroethane
Concen: 1.425 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.019 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion: 64 Resp: 61
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#

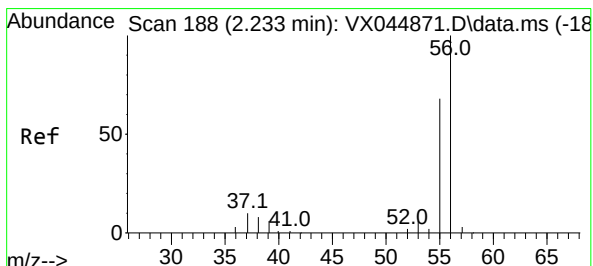
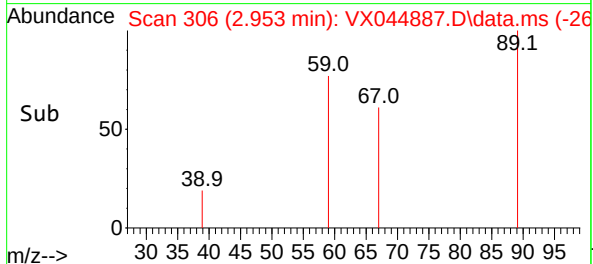
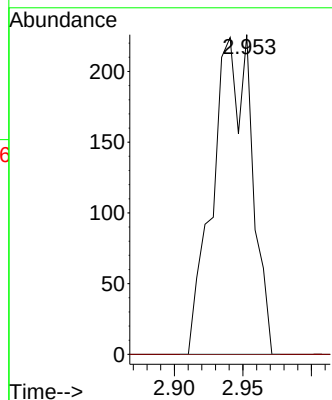
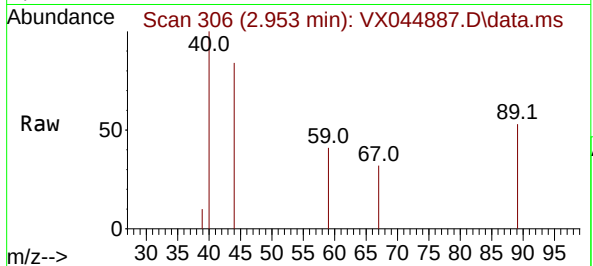




#11
Tert butyl alcohol
Concen: 1.786 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

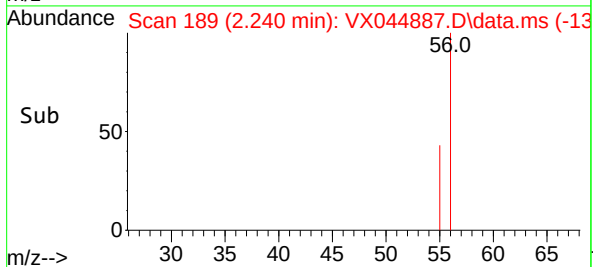
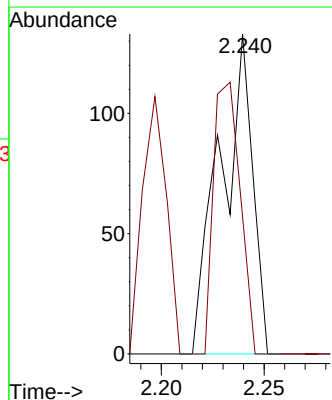
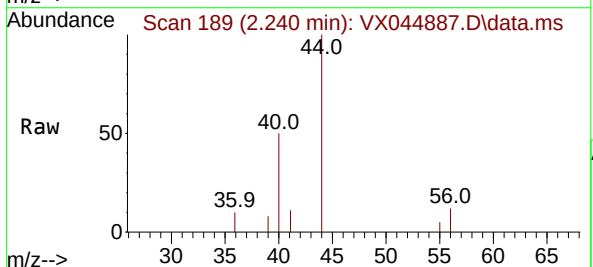
Instrument :
MSVOA_X
ClientSampleId :

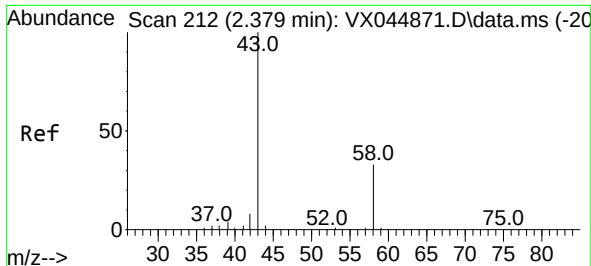
Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 0.572 ug/l
RT: 2.240 min Scan# 189
Delta R.T. 0.007 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion: 56 Resp: 146
Ion Ratio Lower Upper
56 100
55 69.9 55.7 83.5

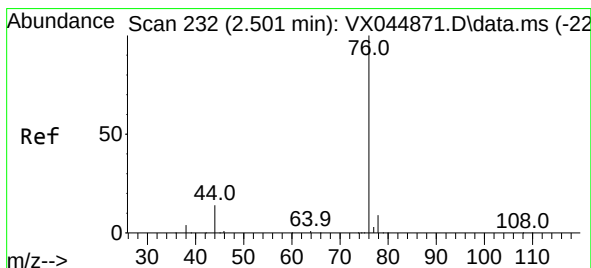
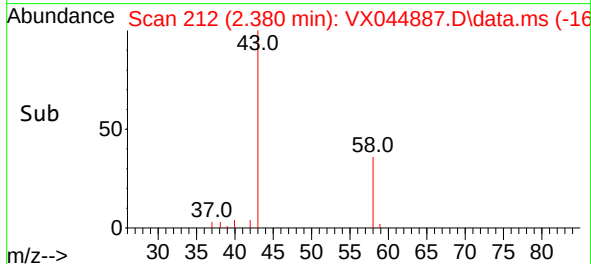
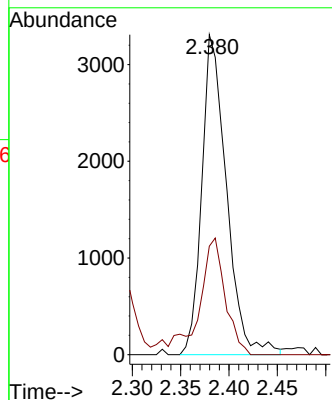
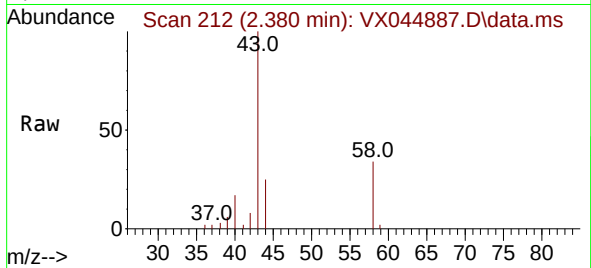




#16
Acetone
Concen: 10.966 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

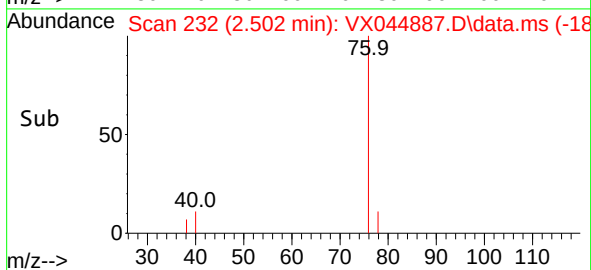
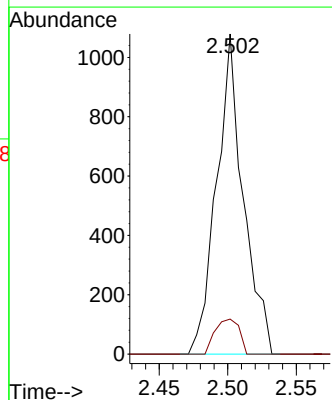
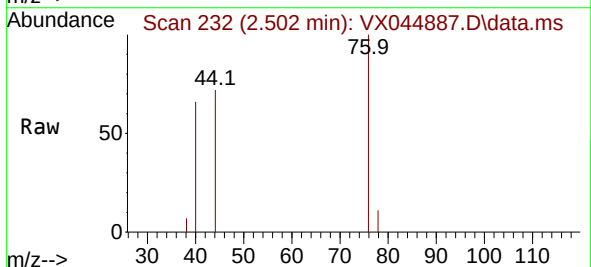
Instrument :
MSVOA_X
ClientSampleId :

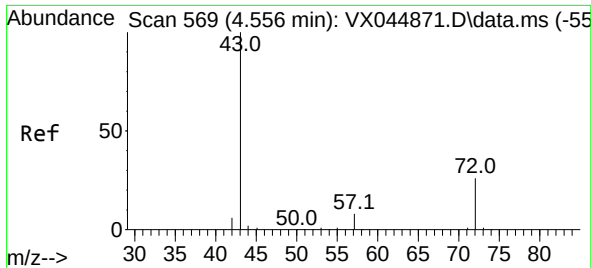
Tgt Ion: 43 Resp: 5880
Ion Ratio Lower Upper
43 100
58 33.9 26.5 39.7



#17
Carbon Disulfide
Concen: 0.453 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion: 76 Resp: 1460
Ion Ratio Lower Upper
76 100
78 10.9 7.0 10.4#

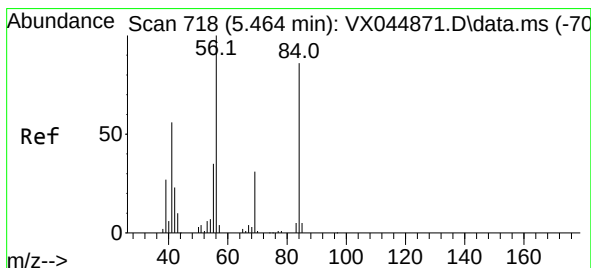
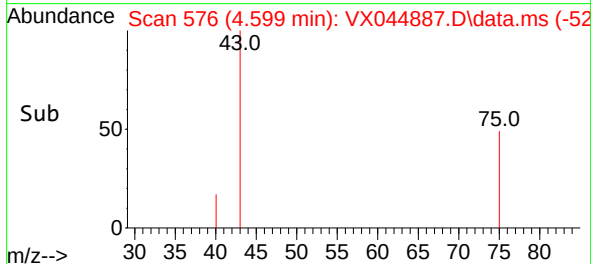
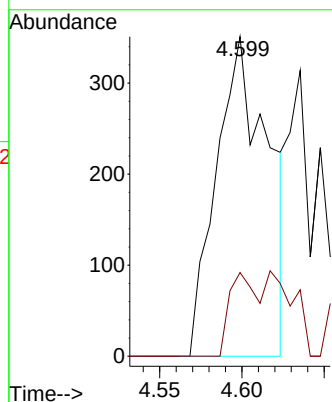
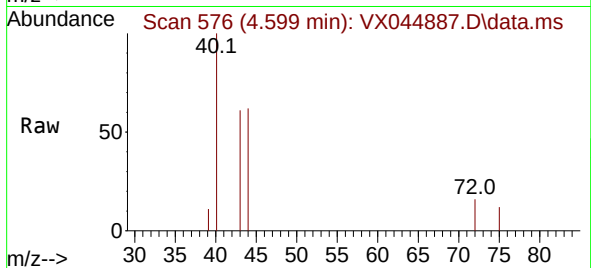




#25
2-Butanone
Concen: 0.873 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

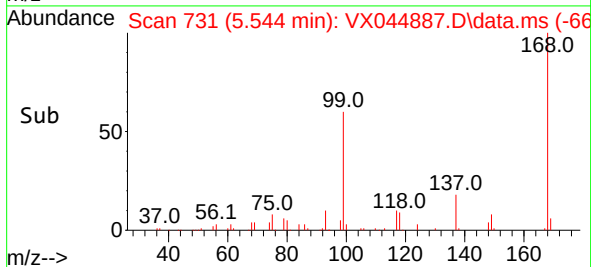
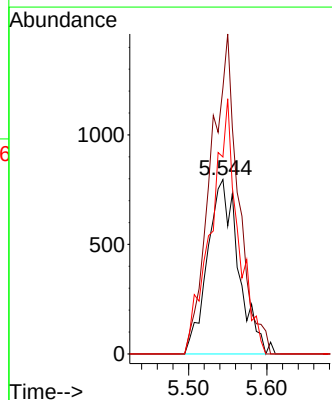
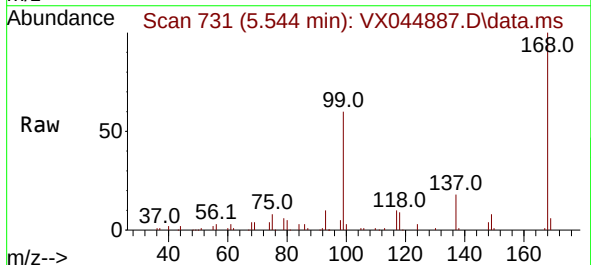
Instrument :
MSVOA_X
ClientSampleId :

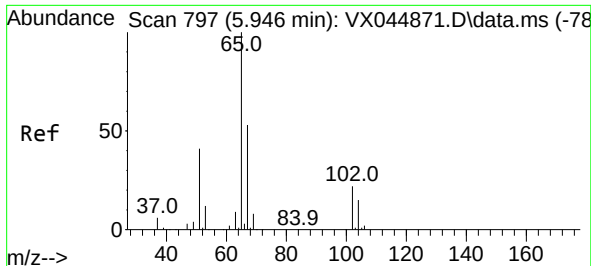
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
72 26.2 21.2 31.8



#31
Cyclohexane
Concen: 1.057 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.080 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
69 152.6 24.4 36.6#
84 112.9 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 52.932 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.007 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

Instrument :

MSVOA_X

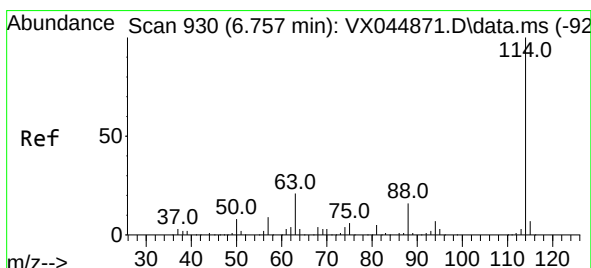
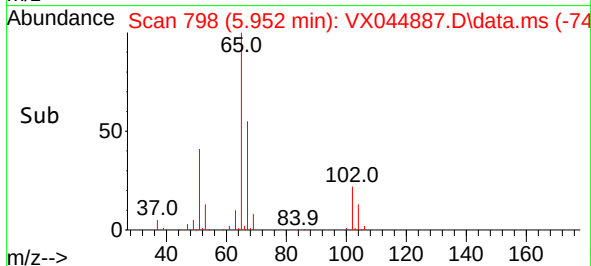
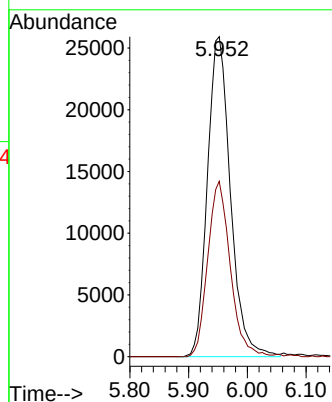
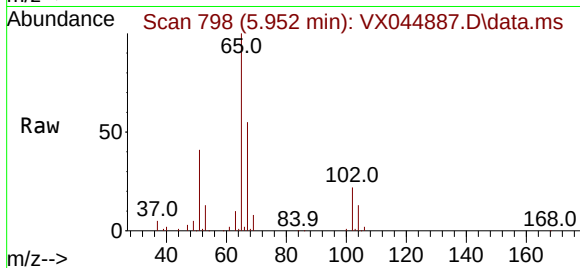
ClientSampleId :

Tgt Ion: 65 Resp: 70603

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

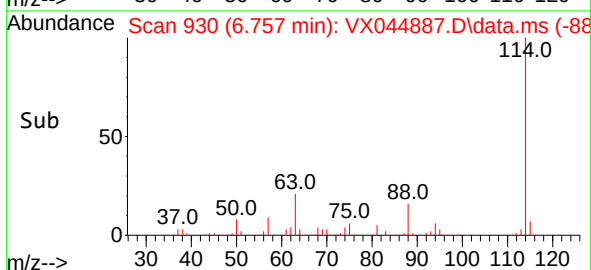
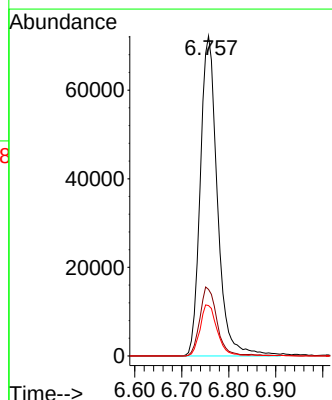
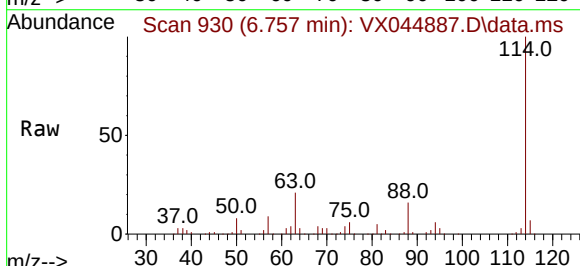
Tgt Ion: 114 Resp: 183168

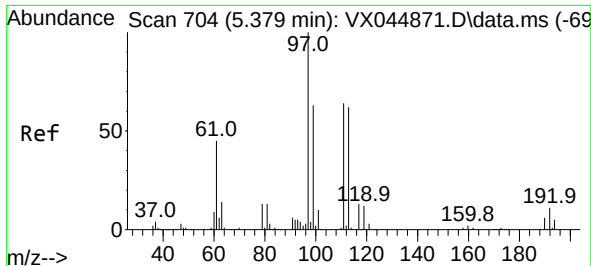
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.4

88 15.8 0.0 31.4

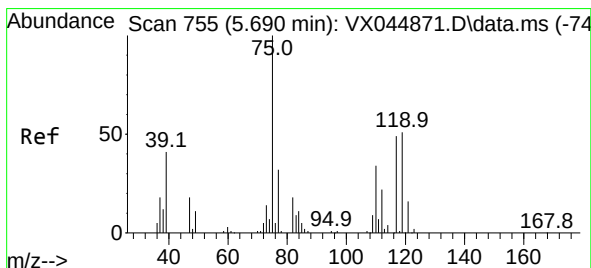
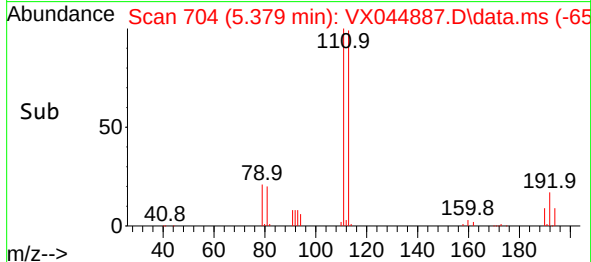
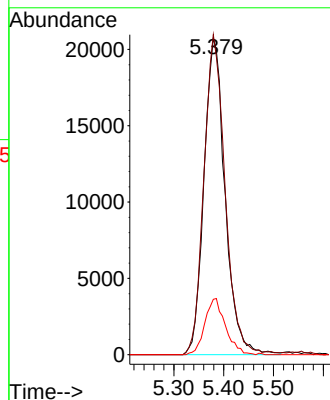
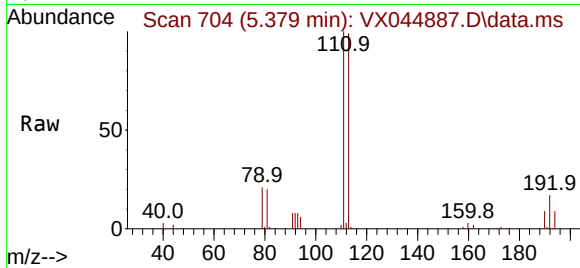




#35
Dibromofluoromethane
Concen: 51.046 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

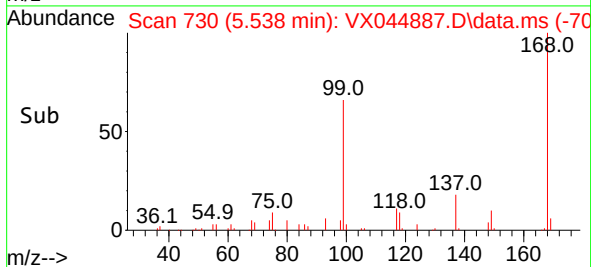
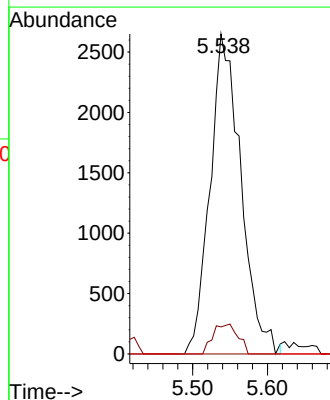
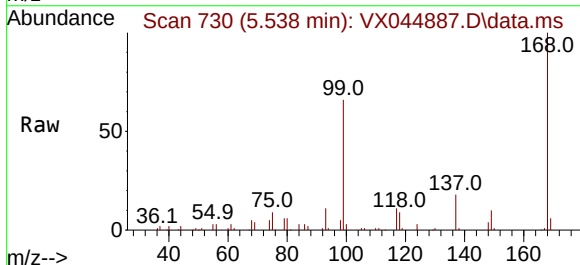
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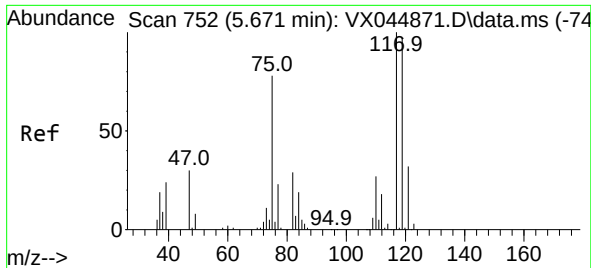
Tgt Ion:113 Resp: 60790
Ion Ratio Lower Upper
113 100
111 101.7 83.5 125.3
192 17.3 14.4 21.6



#36
1,1-Dichloropropene
Concen: 4.425 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.152 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

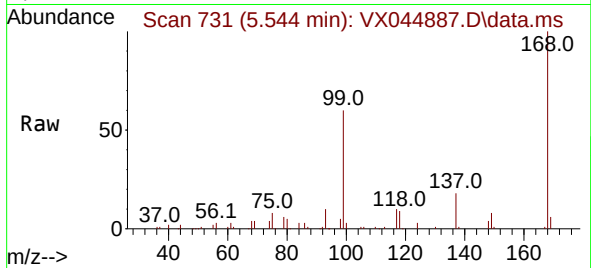
Tgt Ion: 75 Resp: 7602
Ion Ratio Lower Upper
75 100
110 7.6 17.2 51.6#
77 0.0 24.6 37.0#



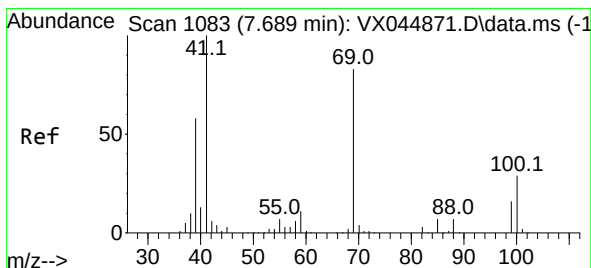
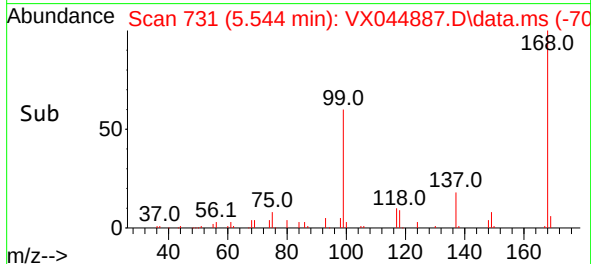
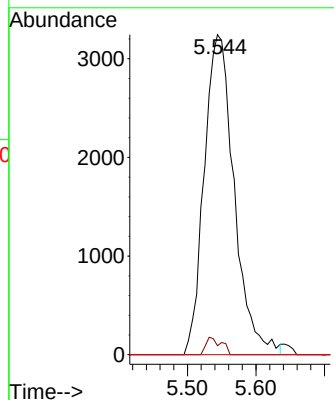


#38
Carbon Tetrachloride
Concen: 5.862 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Instrument :
MSVOA_X
ClientSampleId :

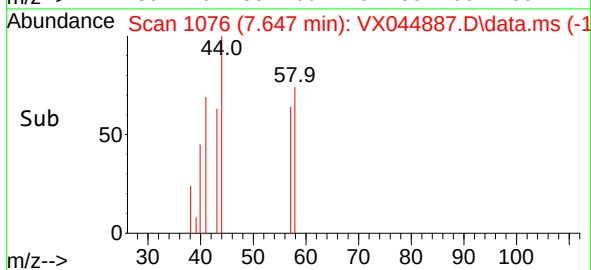
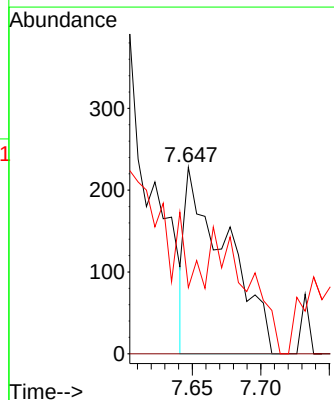
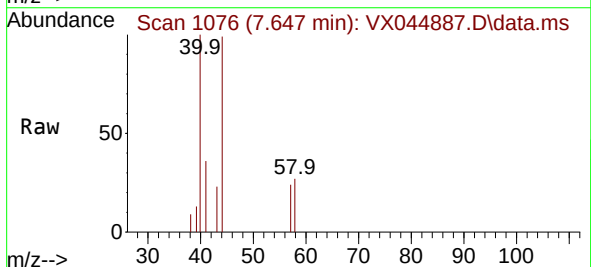


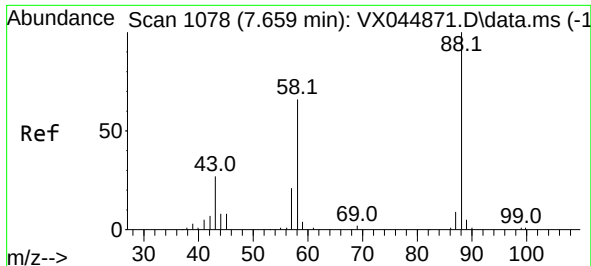
Tgt Ion:117 Resp: 9870
Ion Ratio Lower Upper
117 100
119 2.8 77.5 116.3#
121 0.0 25.6 38.4#



#48
Methyl methacrylate
Concen: 0.326 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.042 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion: 41 Resp: 474
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 60.3 46.4 69.6





#49

1,4-Dioxane

Concen: 6.086 ug/l

RT: 7.690 min Scan# 1078

Delta R.T. 0.031 min

Lab File: VX044887.D

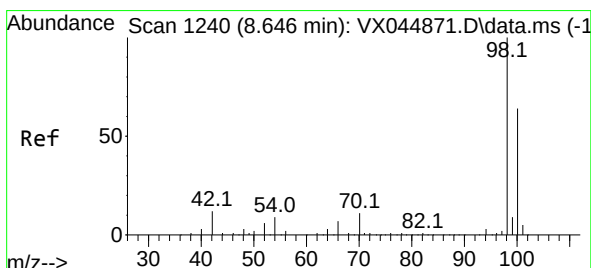
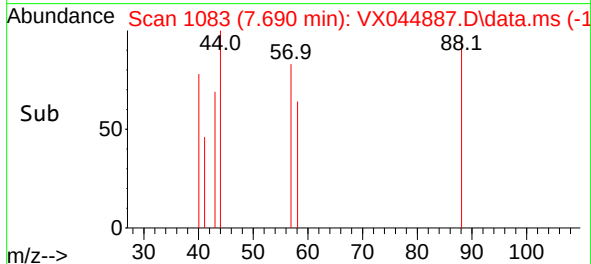
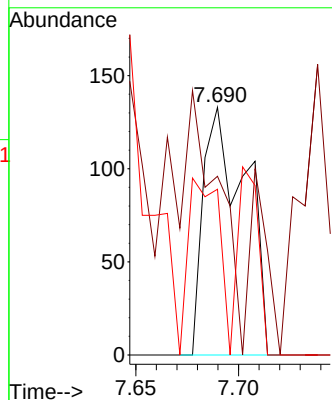
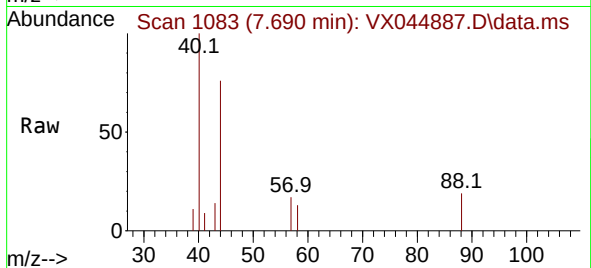
Acq: 10 Feb 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp:	190
Ion	Ratio	Lower Upper
88	100	
43	30.0	26.6 39.8
58	36.8	55.9 83.9#



#50

Toluene-d8

Concen: 50.204 ug/l

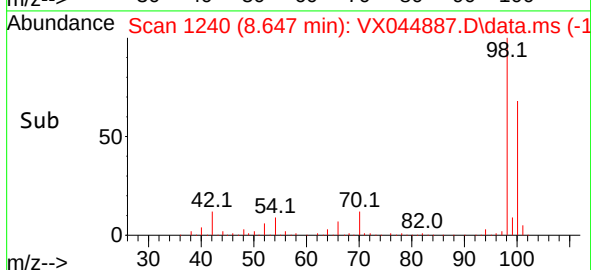
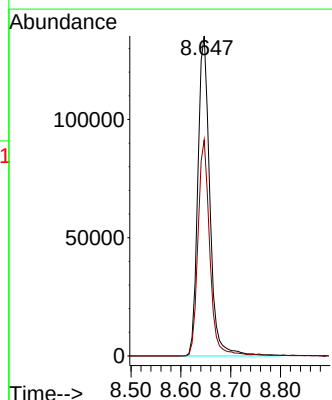
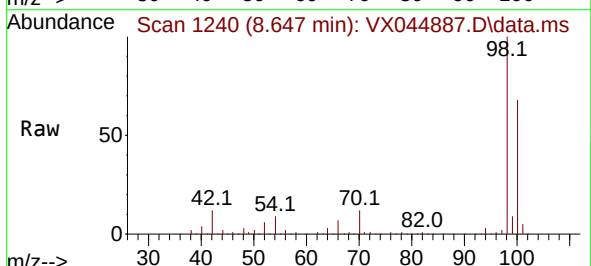
RT: 8.647 min Scan# 1240

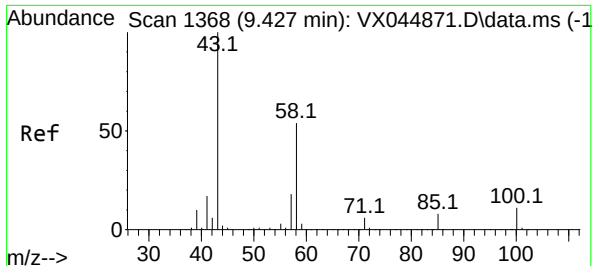
Delta R.T. 0.000 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

Tgt Ion: 98	Resp:	226081
Ion	Ratio	Lower Upper
98	100	
100	65.8	52.7 79.1





#59

2-Hexanone

Concen: 0.251 ug/l

RT: 9.458 min Scan# 11

Delta R.T. 0.031 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

Instrument :

MSVOA_X

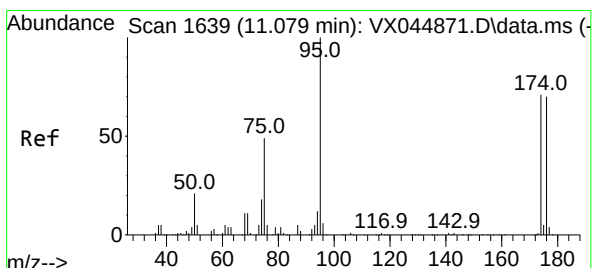
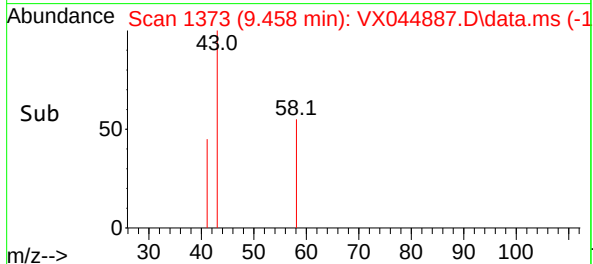
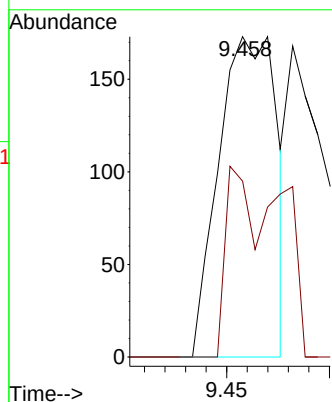
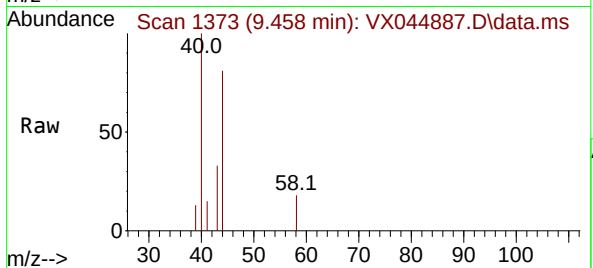
ClientSampleId :

Tgt Ion: 43 Resp: 339

Ion Ratio Lower Upper

43 100

58 27.7 27.5 82.4



#62

4-Bromofluorobenzene

Concen: 51.030 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

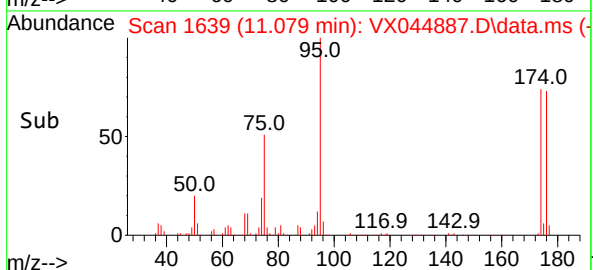
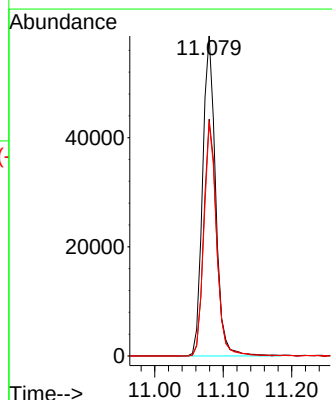
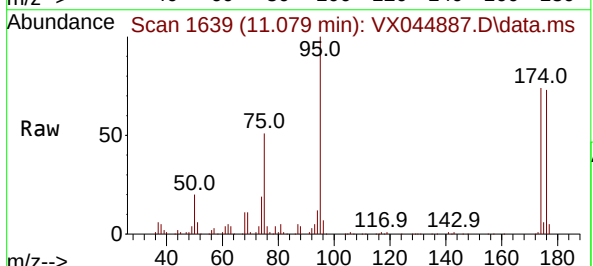
Tgt Ion: 95 Resp: 77471

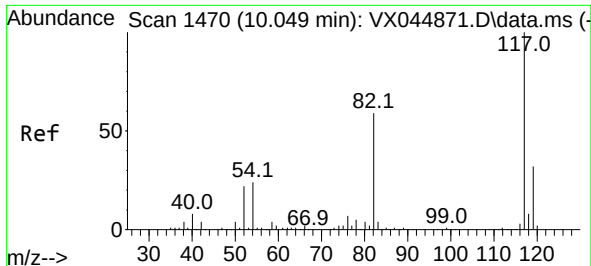
Ion Ratio Lower Upper

95 100

174 72.5 0.0 142.6

176 70.6 0.0 141.6

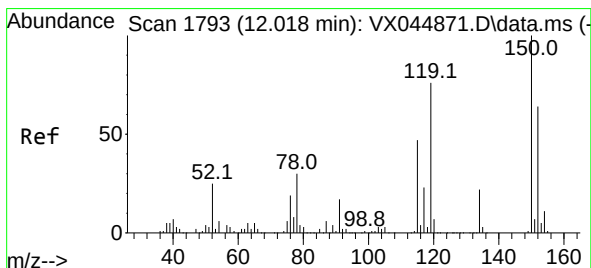
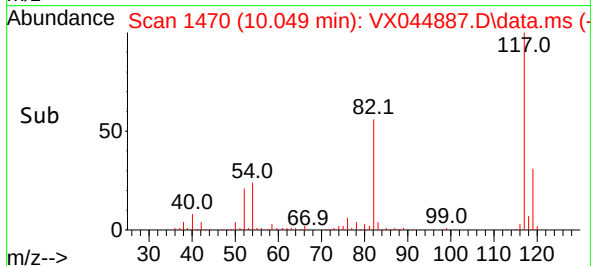
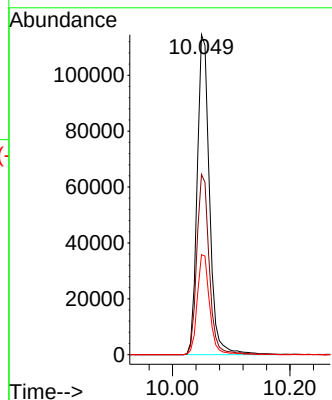
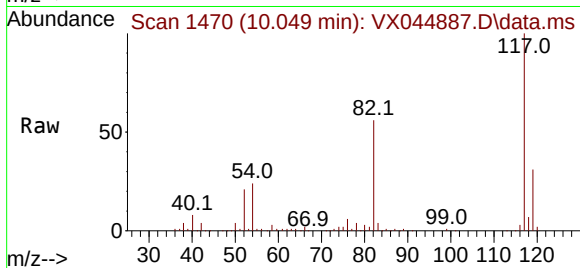




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

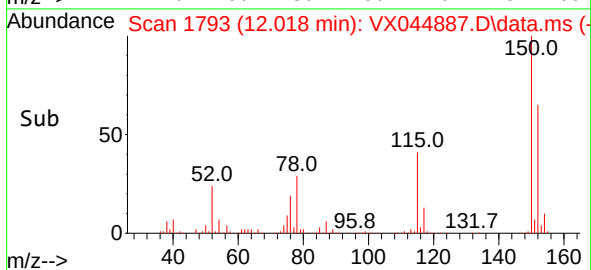
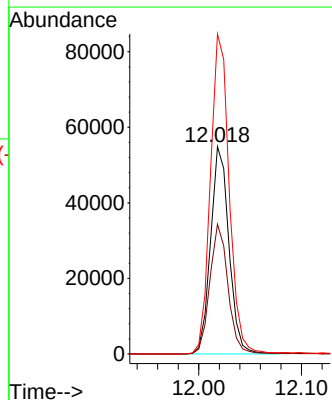
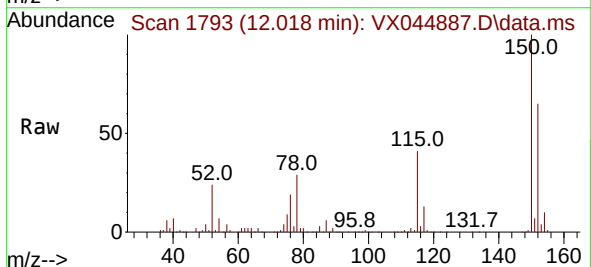
Instrument :
MSVOA_X
ClientSampleId :

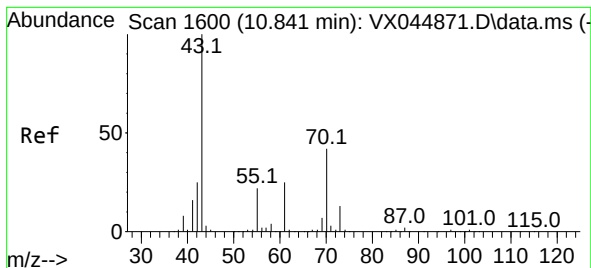
Tgt Ion:117 Resp: 166878
Ion Ratio Lower Upper
117 100
82 56.4 47.5 71.3
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044887.D
Acq: 10 Feb 2025 18:00

Tgt Ion:152 Resp: 68152
Ion Ratio Lower Upper
152 100
115 62.2 43.4 130.1
150 158.6 0.0 350.4





#74

N-amy1 acetate

Concen: 0.531 ug/l

RT: 10.860 min Scan# 1

Delta R.T. 0.019 min

Lab File: VX044887.D

Acq: 10 Feb 2025 18:00

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 43 Resp: 1318

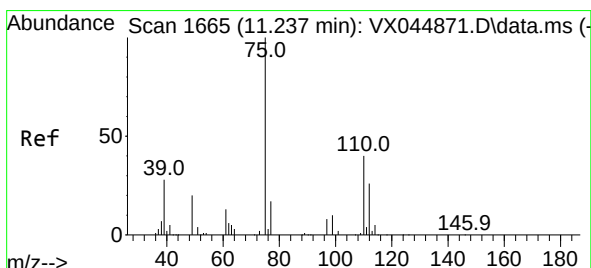
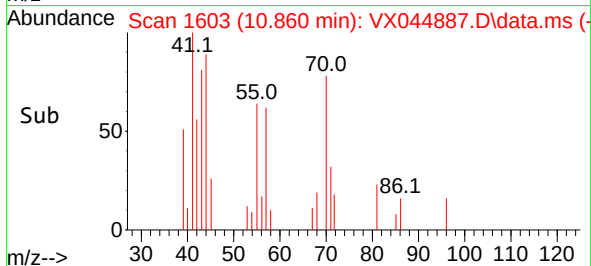
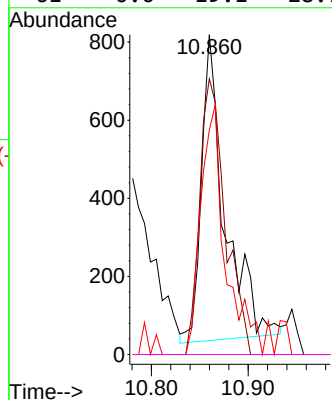
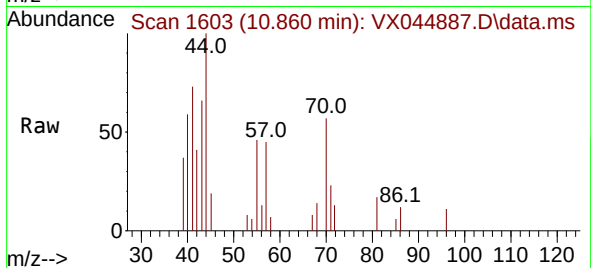
Ion Ratio Lower Upper

43 100

70 98.7 33.7 50.5#

55 85.2 18.6 27.8#

61 0.0 19.1 28.7#



#76

1,2,3-Trichloropropane

Concen: 26.336 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX044887.D

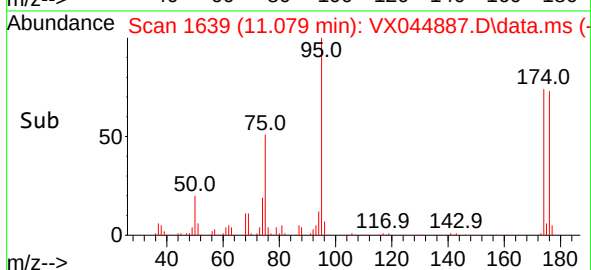
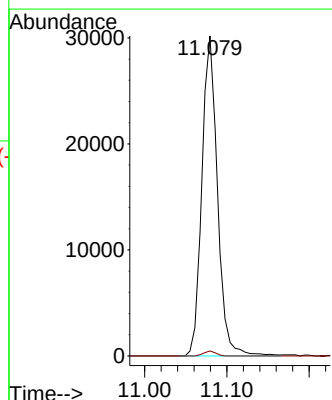
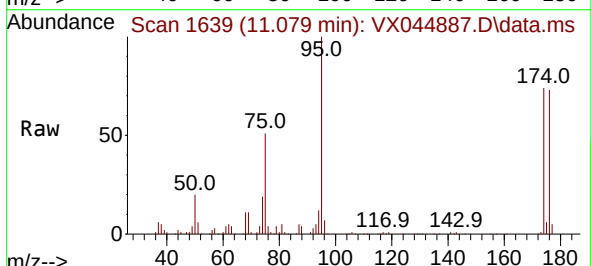
Acq: 10 Feb 2025 18:00

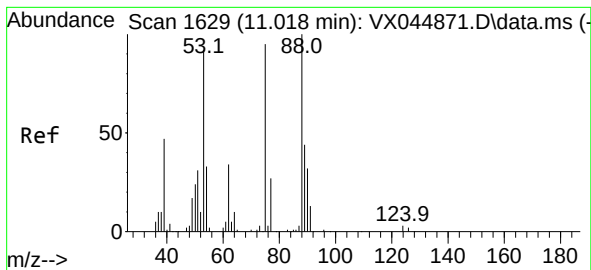
Tgt Ion: 75 Resp: 39794

Ion Ratio Lower Upper

75 100

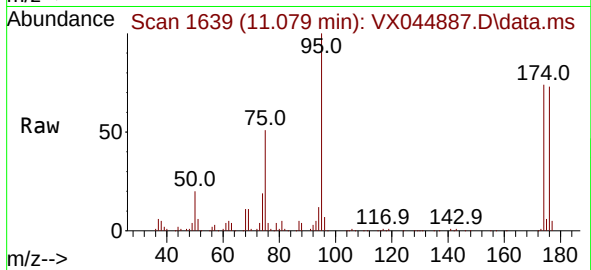
77 1.2 21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.745 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044887.D
 Acq: 10 Feb 2025 18:00

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 39794
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#

