

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021025\
 Data File : VX044882.D
 Acq On : 10 Feb 2025 16:04
 Operator : JC/MD
 Sample : Q1250-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 11 06:06:58 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)

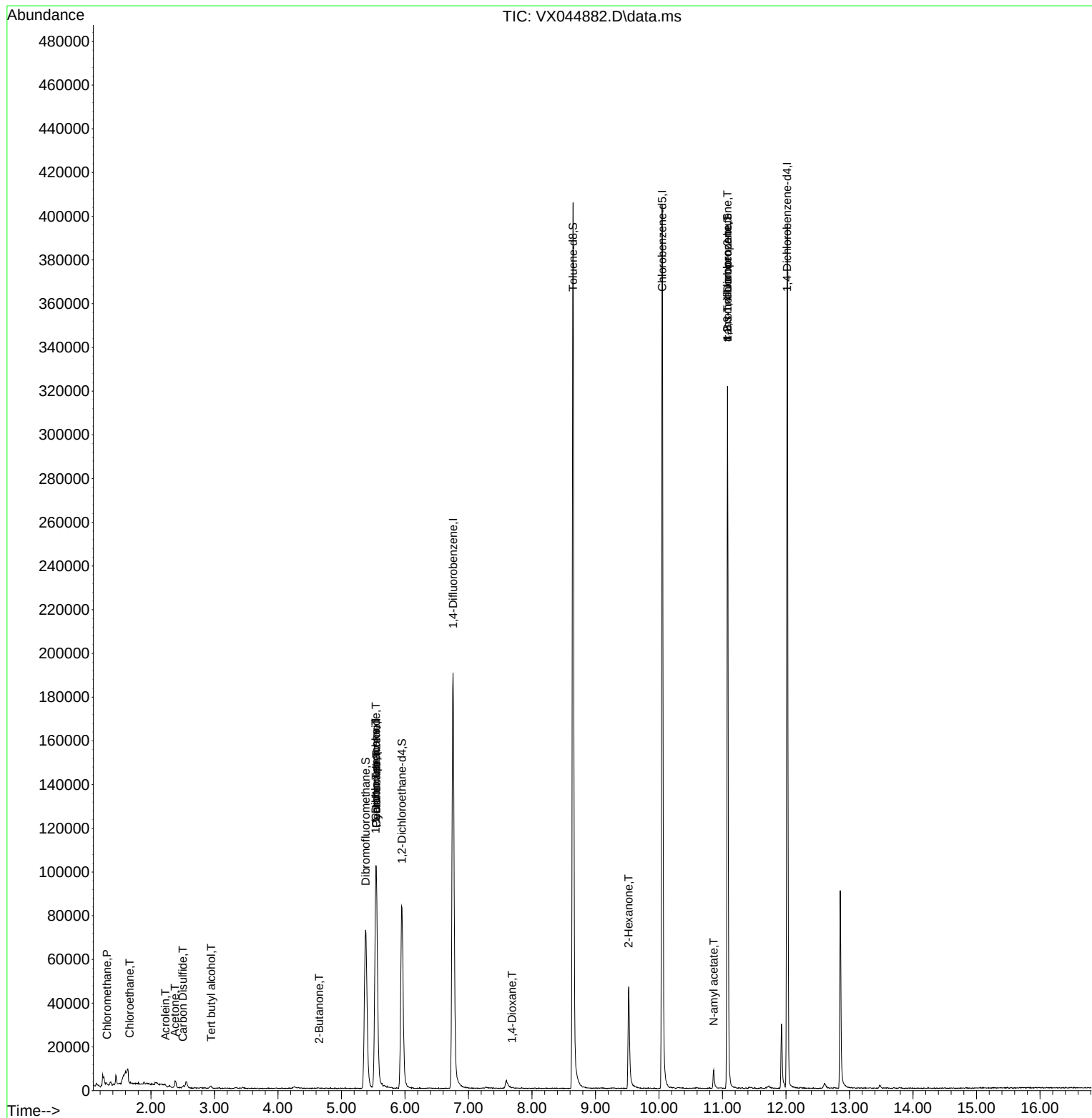
Internal Standards						
1) Pentafluorobenzene	5.550	168	99257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200954	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	183816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	78851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77326	53.220	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.440%	
35) Dibromofluoromethane	5.379	113	66716	51.063	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.120%	
50) Toluene-d8	8.647	98	249528	50.506	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.020%	
62) 4-Bromofluorobenzene	11.079	95	86225	51.769	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	778	0.459	ug/l #	68
6) Chloroethane	1.666	64	146	1.525	ug/l #	42
11) Tert butyl alcohol	2.947	59	407	1.510	ug/l #	73
13) Acrolein	2.227	56	157	0.565	ug/l #	23
16) Acetone	2.380	43	3493	5.980	ug/l	96
17) Carbon Disulfide	2.502	76	1258	0.359	ug/l #	90
25) 2-Butanone	4.648	43	253	0.267	ug/l #	48
31) Cyclohexane	5.550	56	2361	1.046	ug/l #	18
36) 1,1-Dichloropropene	5.538	75	8554	4.538	ug/l #	49
38) Carbon Tetrachloride	5.544	117	10374	5.616	ug/l #	14
49) 1,4-Dioxane	7.684	88	30	0.876	ug/l #	23
59) 2-Hexanone	9.519	43	8292	5.591	ug/l #	46
74) N-amyl acetate	10.860	43	1565	0.545	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	45022	25.753	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	45022	66.246	ug/l #	11

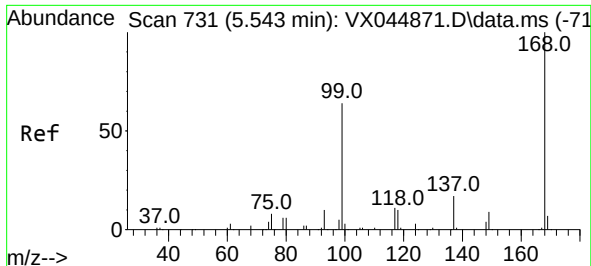
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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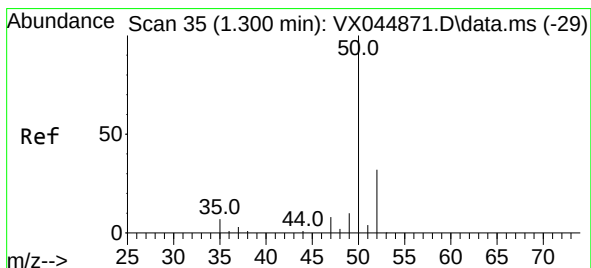
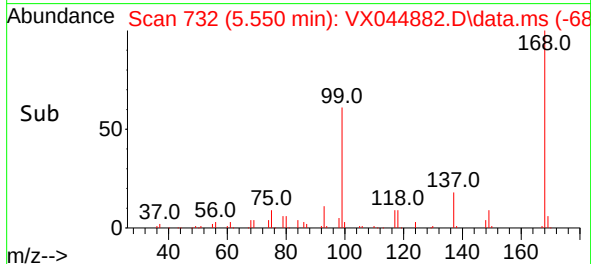
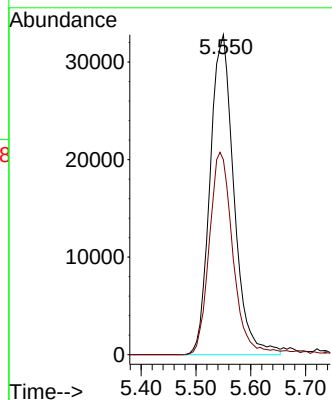
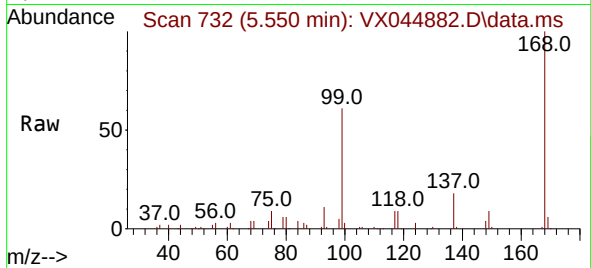




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

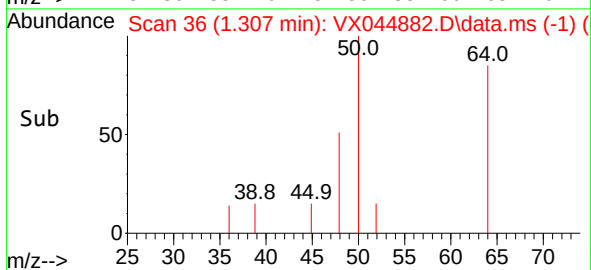
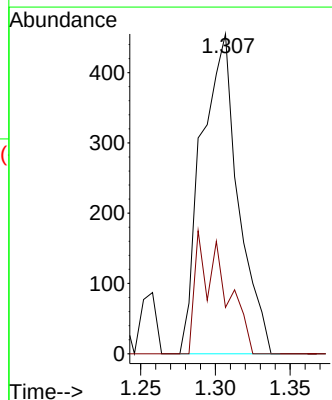
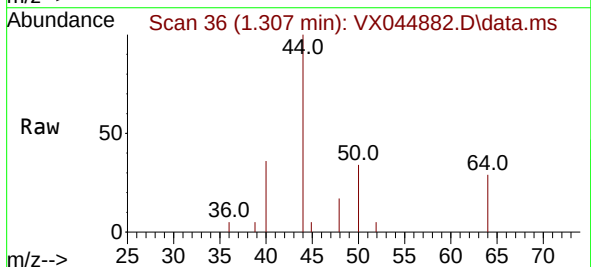
Instrument :
MSVOA_X
ClientSampleId :

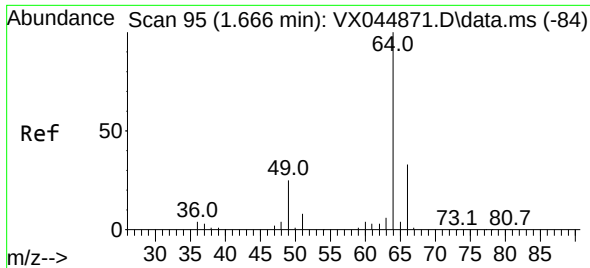
Tgt Ion:168 Resp: 99257
Ion Ratio Lower Upper
168 100
99 60.9 51.2 76.8



#3
Chloromethane
Concen: 0.459 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.007 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Tgt Ion: 50 Resp: 778
Ion Ratio Lower Upper
50 100
52 14.5 25.9 38.9#

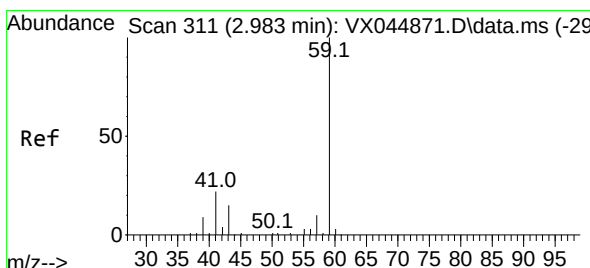
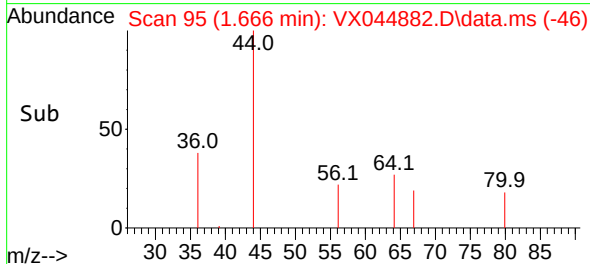
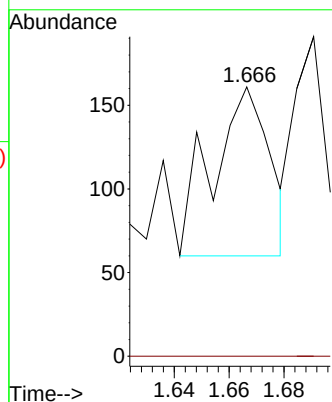
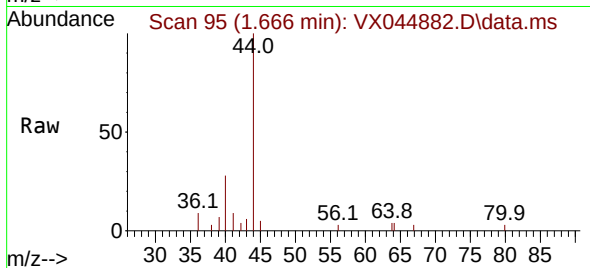




#6
Chloroethane
Concen: 1.525 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

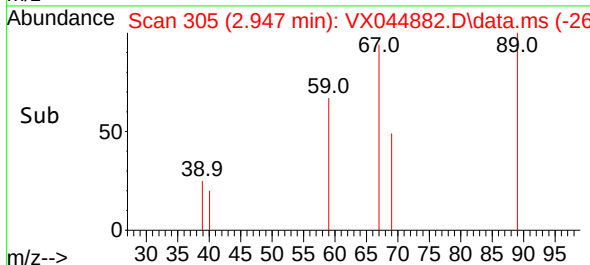
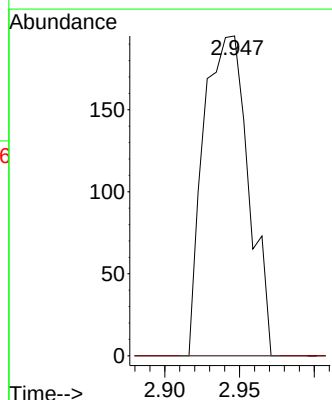
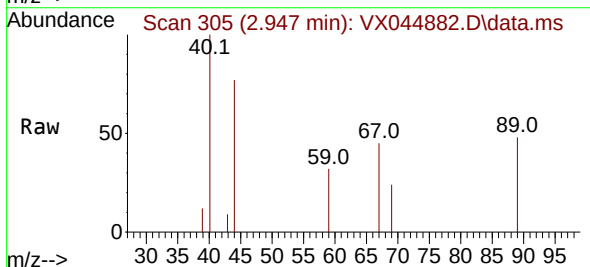
Instrument :
MSVOA_X
ClientSampleId :

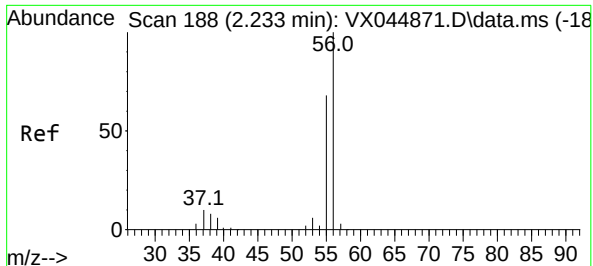
Tgt Ion: 64 Resp: 146
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: 1.510 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Tgt Ion: 59 Resp: 407
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

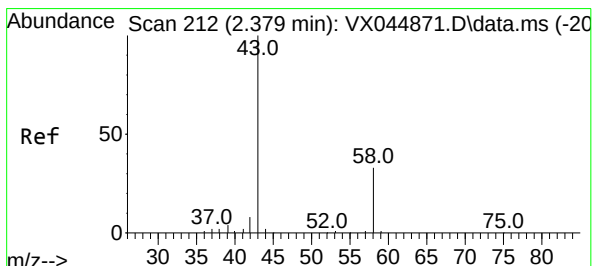
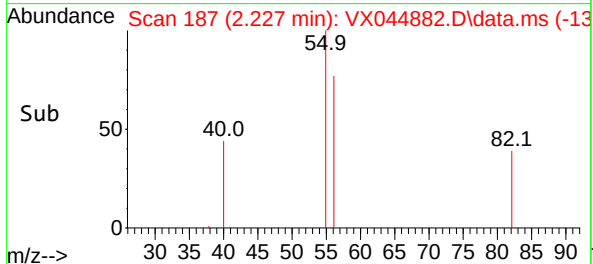
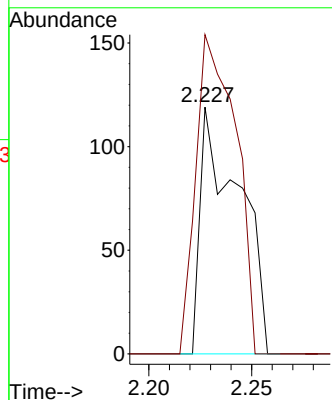
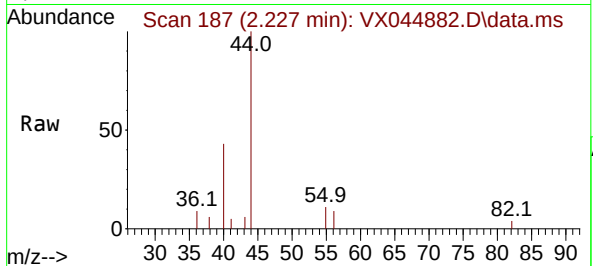




#13
Acrolein
Concen: 0.565 ug/l
RT: 2.227 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

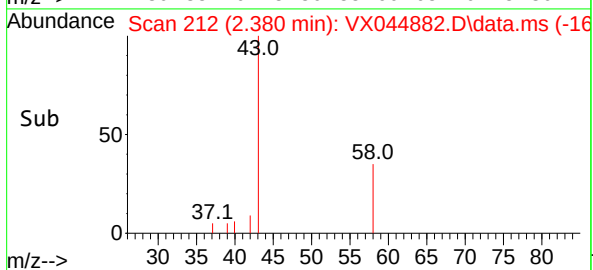
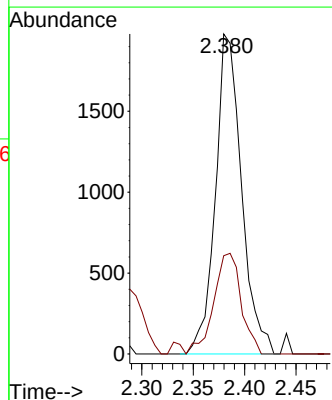
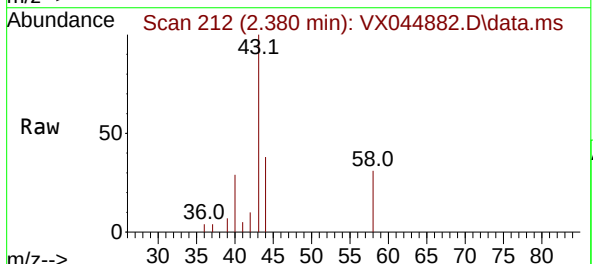
Instrument :
MSVOA_X
ClientSampleId :

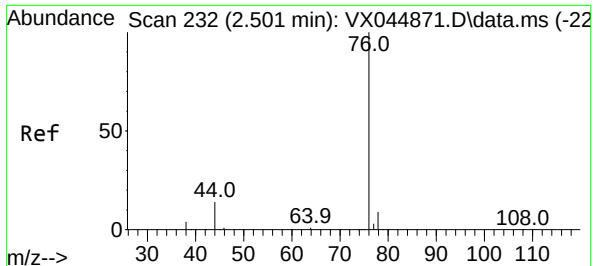
Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 132.5 55.7 83.5#



#16
Acetone
Concen: 5.980 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Tgt Ion: 43 Resp: 3493
Ion Ratio Lower Upper
43 100
58 30.7 26.5 39.7





#17

Carbon Disulfide

Concen: 0.359 ug/l

RT: 2.502 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX044882.D

Acq: 10 Feb 2025 16:04

Instrument :

MSVOA_X

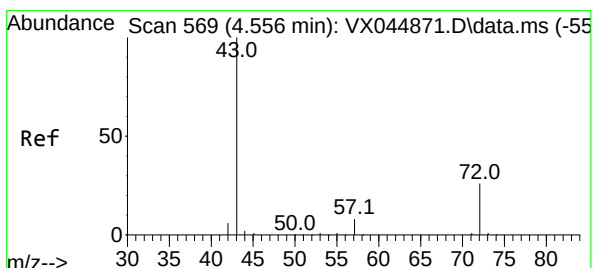
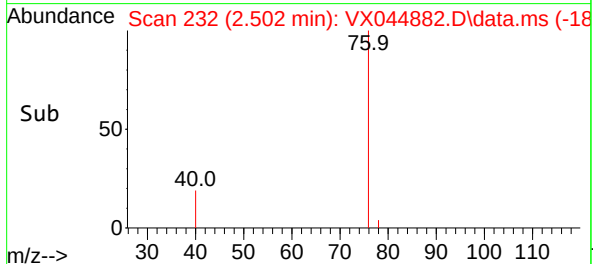
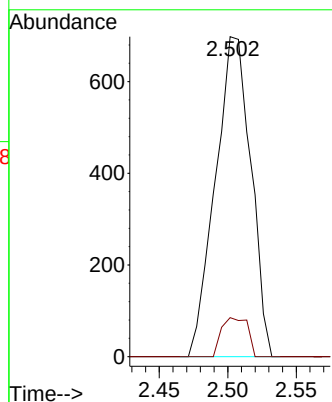
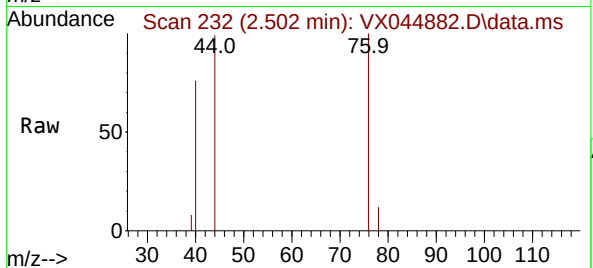
ClientSampleId :

Tgt Ion: 76 Resp: 1258

Ion Ratio Lower Upper

76 100

78 12.2 7.0 10.4#



#25

2-Butanone

Concen: 0.267 ug/l

RT: 4.648 min Scan# 584

Delta R.T. 0.092 min

Lab File: VX044882.D

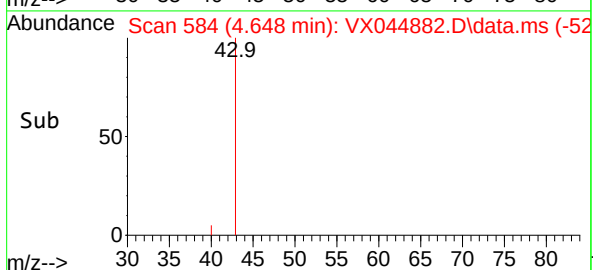
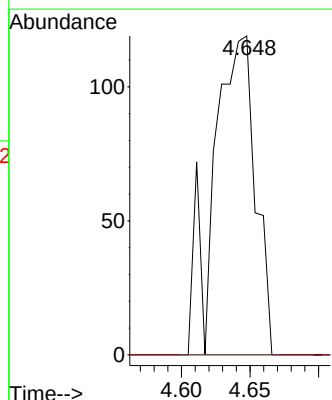
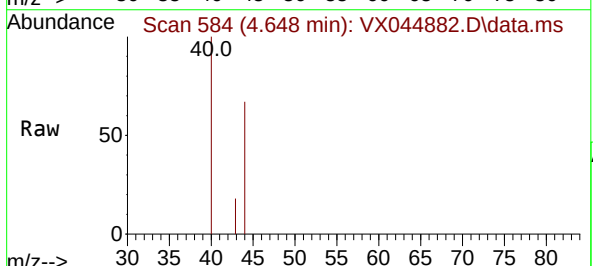
Acq: 10 Feb 2025 16:04

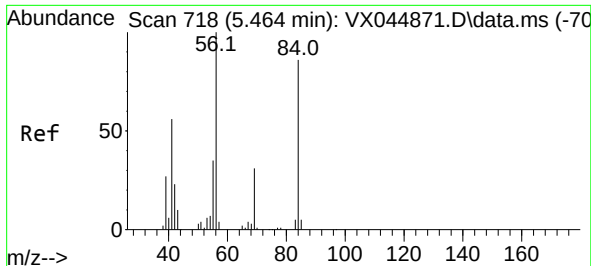
Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

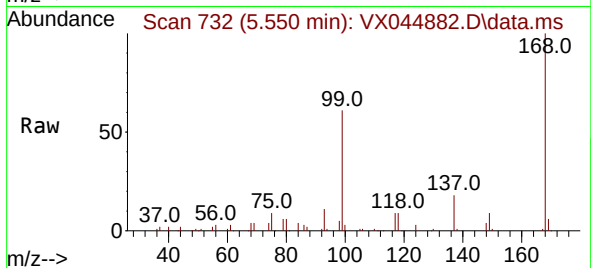
72 0.0 21.2 31.8#



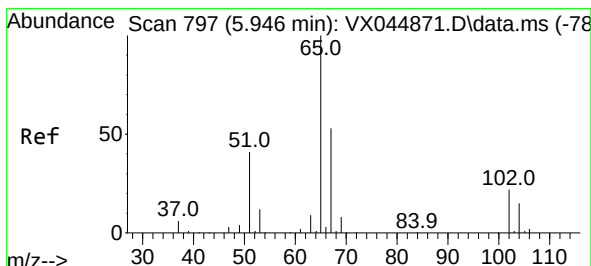
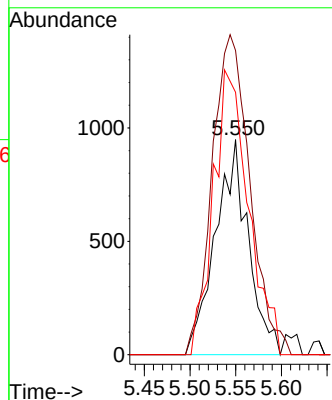
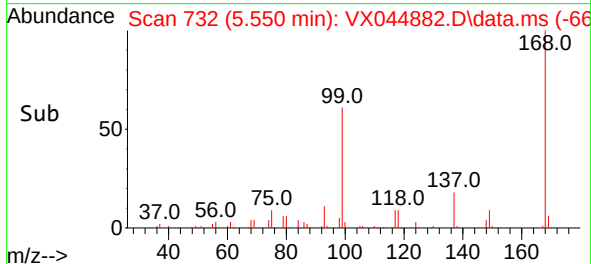


#31
Cyclohexane
Concen: 1.046 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :

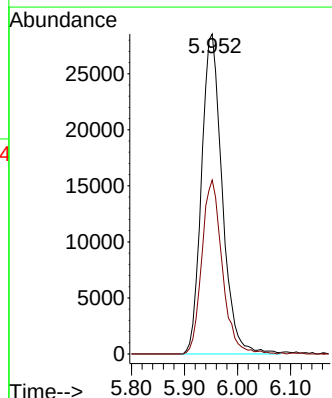
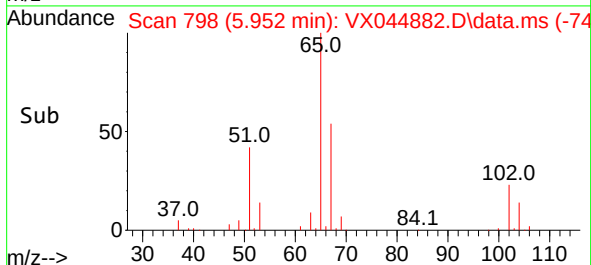
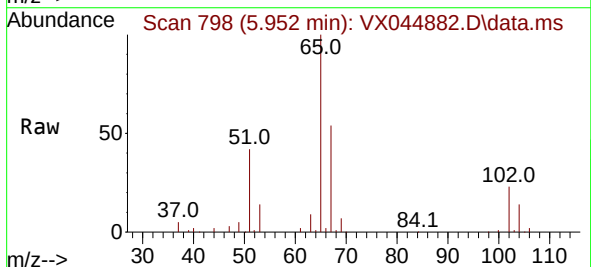


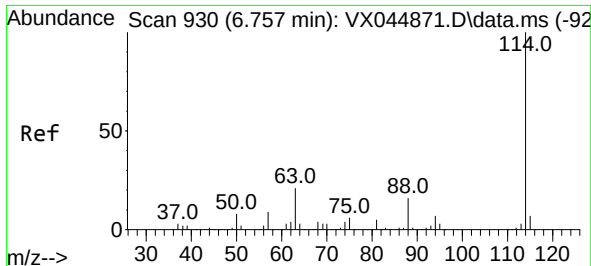
Tgt Ion: 56 Resp: 2361
Ion Ratio Lower Upper
56 100
69 141.5 24.4 36.6#
84 122.0 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 53.220 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.007 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Tgt Ion: 65 Resp: 77326
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.2

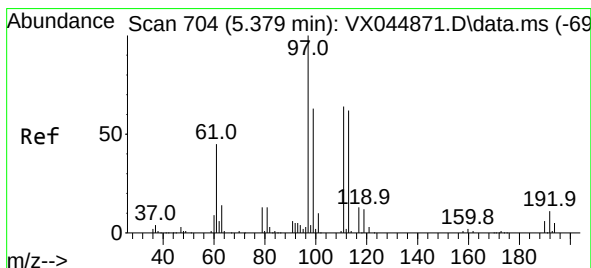
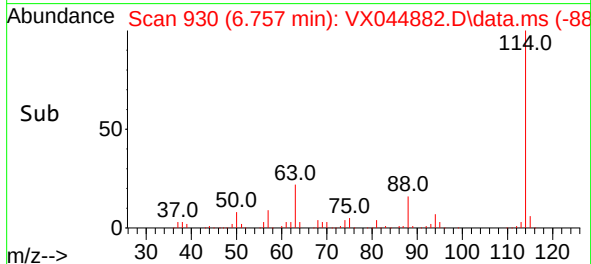
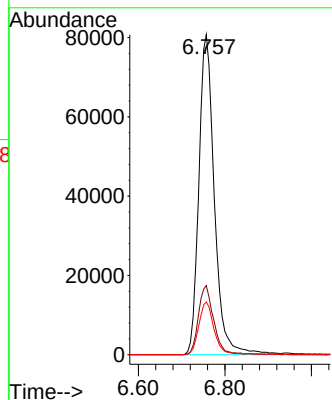
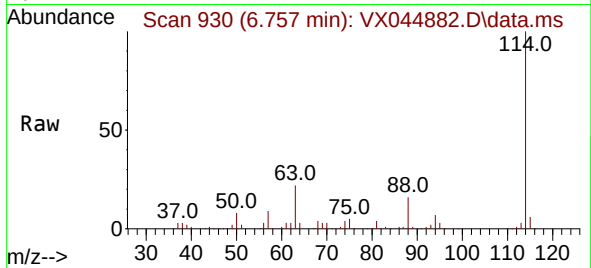




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

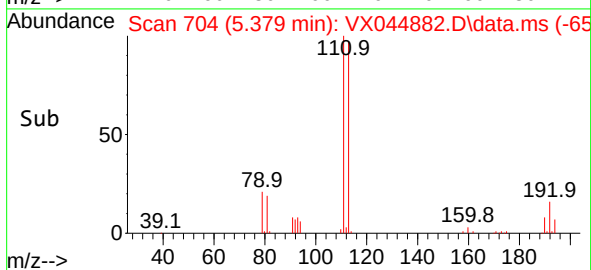
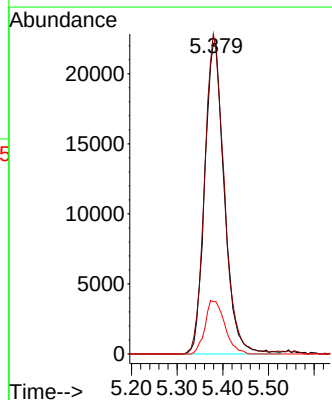
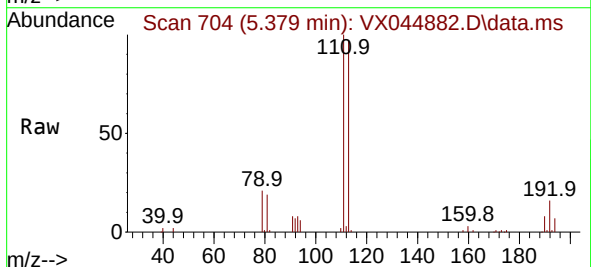
Instrument :
MSVOA_X
ClientSampleId :

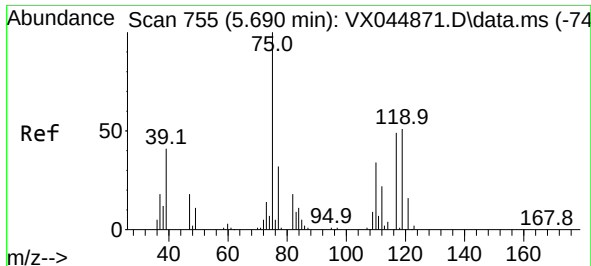
Tgt Ion:114 Resp: 200954
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 16.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.063 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

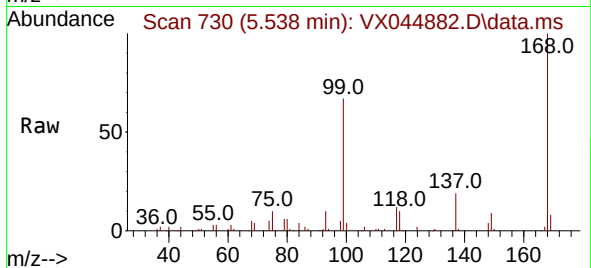
Tgt Ion:113 Resp: 66716
Ion Ratio Lower Upper
113 100
111 101.6 83.5 125.3
192 17.1 14.4 21.6



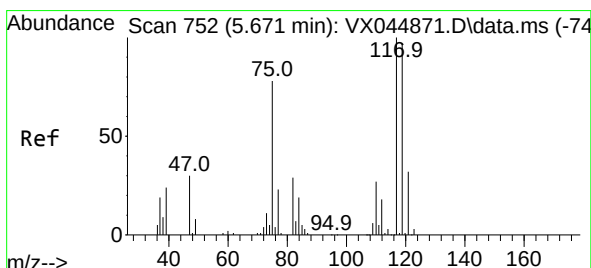
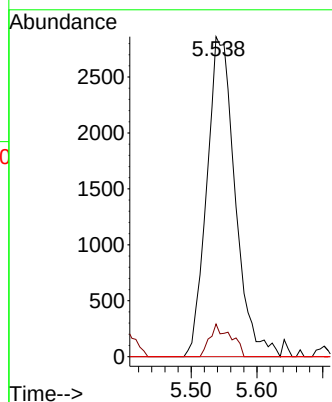
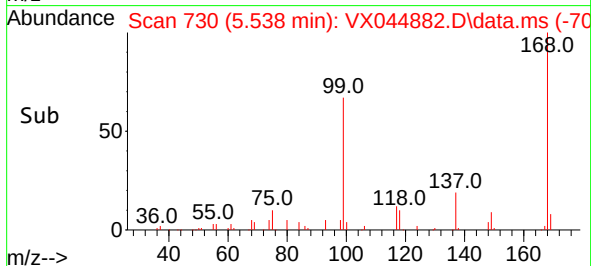


#36
 1,1-Dichloropropene
 Concen: 4.538 ug/l
 RT: 5.538 min Scan# 711
 Delta R.T. -0.152 min
 Lab File: VX044882.D
 Acq: 10 Feb 2025 16:04

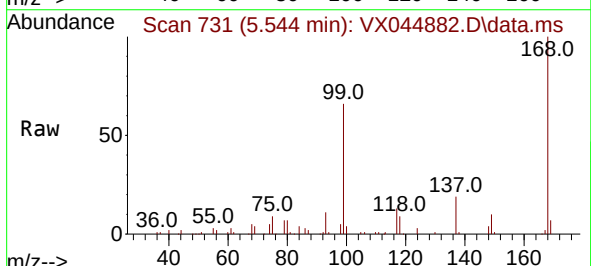
Instrument :
 MSVOA_X
 ClientSampleId :



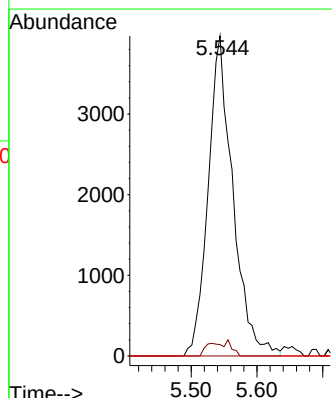
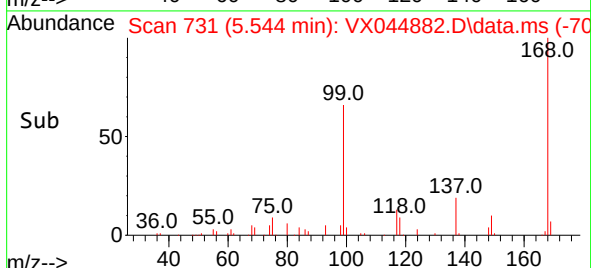
Tgt Ion: 75 Resp: 8554
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.2 51.6#
 77 0.0 24.6 37.0#

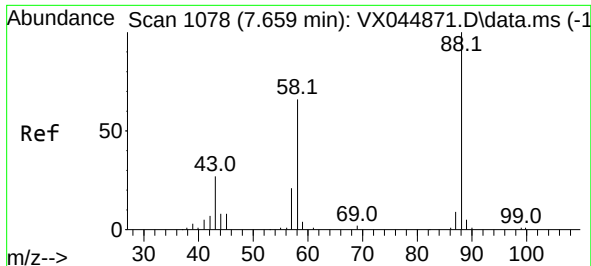


#38
 Carbon Tetrachloride
 Concen: 5.616 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.128 min
 Lab File: VX044882.D
 Acq: 10 Feb 2025 16:04



Tgt Ion: 117 Resp: 10374
 Ion Ratio Lower Upper
 117 100
 119 3.6 77.5 116.3#
 121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 0.876 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.025 min

Lab File: VX044882.D

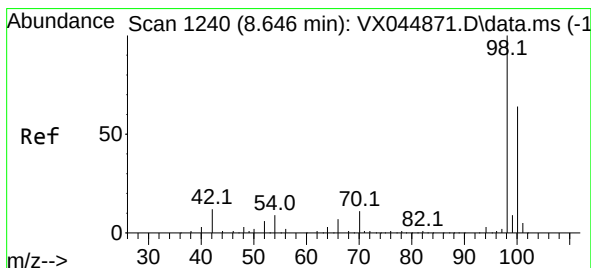
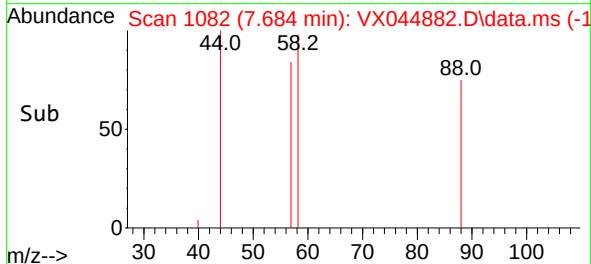
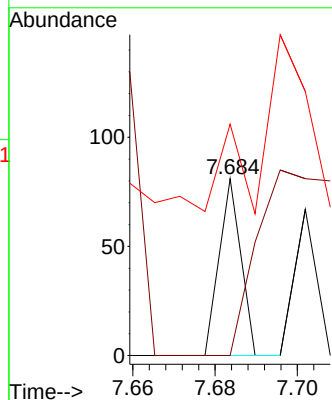
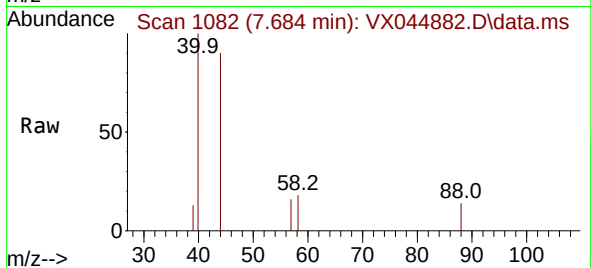
Acq: 10 Feb 2025 16:04

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	88	Resp:	30
Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.6	39.8#
58	0.0	55.9	83.9#



#50

Toluene-d8

Concen: 50.506 ug/l

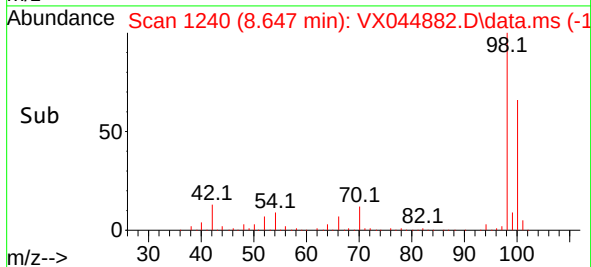
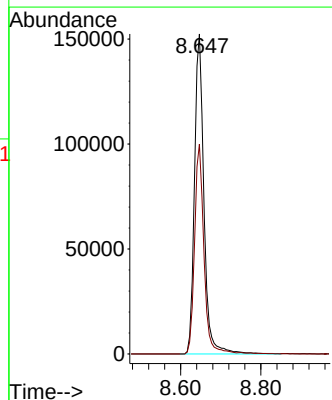
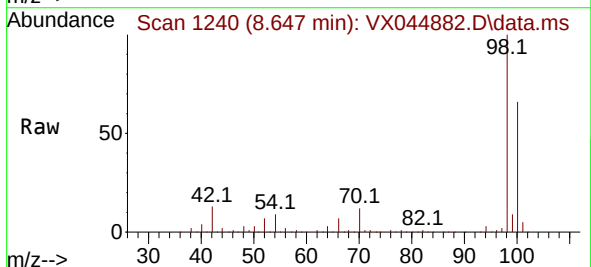
RT: 8.647 min Scan# 1240

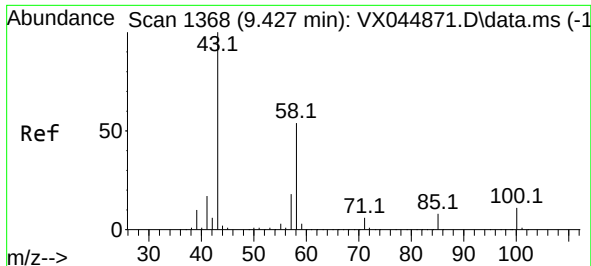
Delta R.T. 0.000 min

Lab File: VX044882.D

Acq: 10 Feb 2025 16:04

Tgt Ion:	98	Resp:	249528
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1





#59

2-Hexanone

Concen: 5.591 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.092 min

Lab File: VX044882.D

Acq: 10 Feb 2025 16:04

Instrument :

MSVOA_X

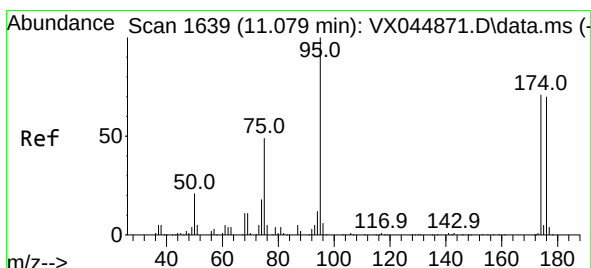
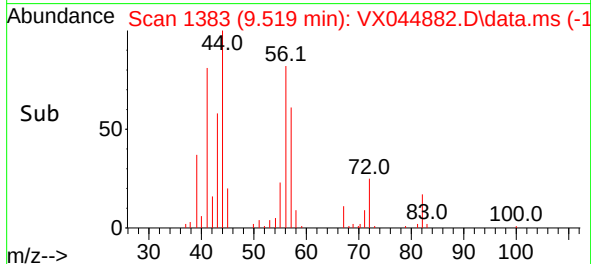
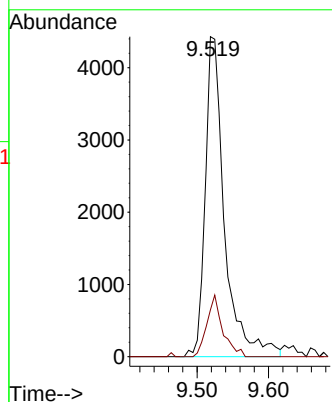
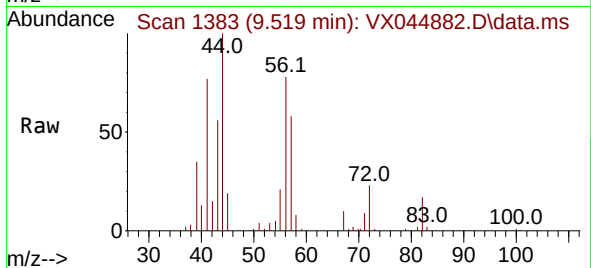
ClientSampleId :

Tgt Ion: 43 Resp: 8292

Ion Ratio Lower Upper

43 100

58 15.8 27.5 82.4#



#62

4-Bromofluorobenzene

Concen: 51.769 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044882.D

Acq: 10 Feb 2025 16:04

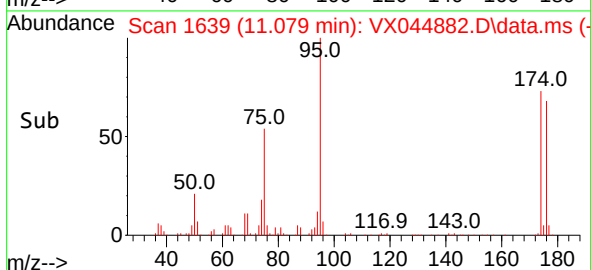
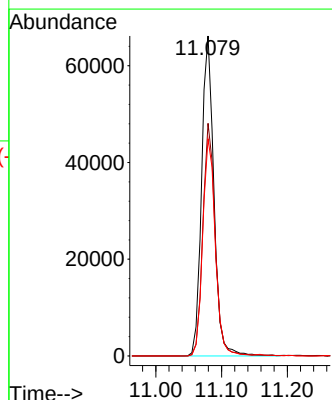
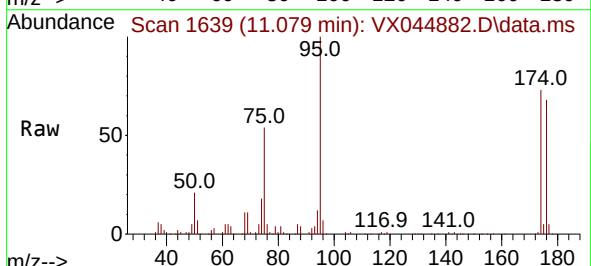
Tgt Ion: 95 Resp: 86225

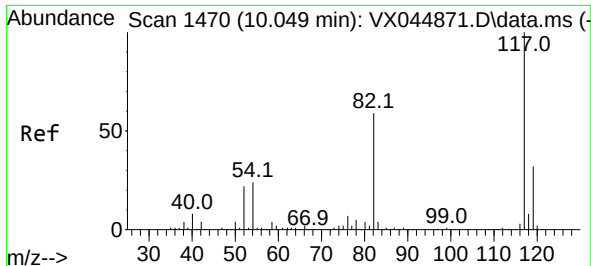
Ion Ratio Lower Upper

95 100

174 72.9 0.0 142.6

176 69.4 0.0 141.6

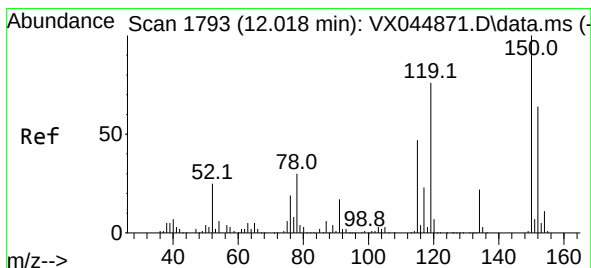
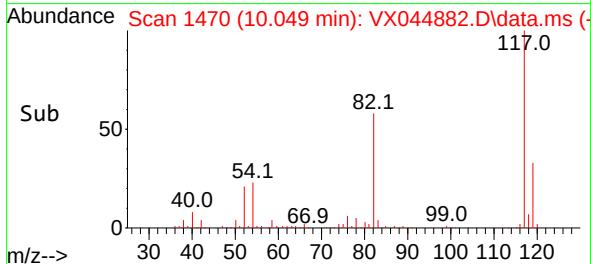
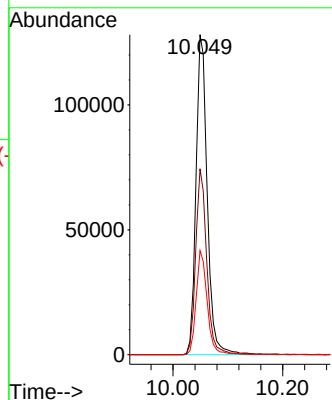
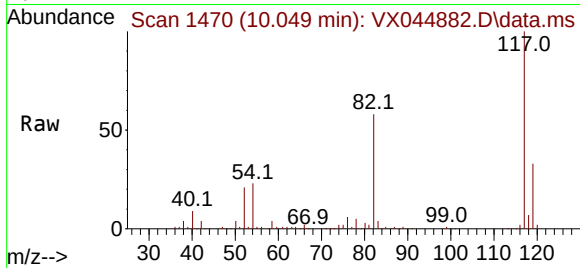




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

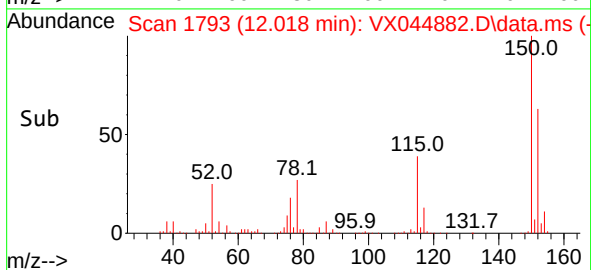
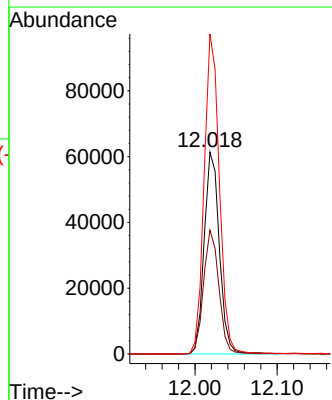
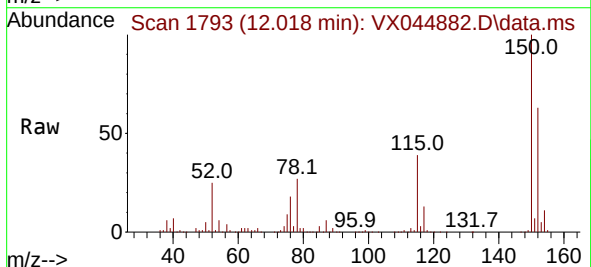
Instrument :
MSVOA_X
ClientSampleId :

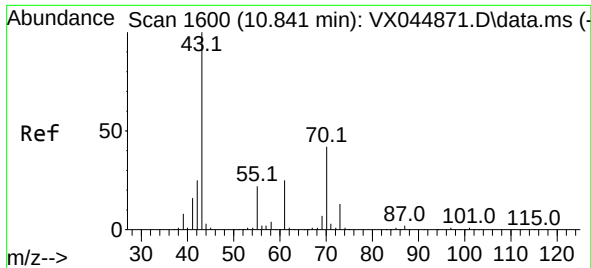
Tgt Ion:117 Resp: 183816
Ion Ratio Lower Upper
117 100
82 58.1 47.5 71.3
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

Tgt Ion:152 Resp: 78851
Ion Ratio Lower Upper
152 100
115 61.9 43.4 130.1
150 158.6 0.0 350.4

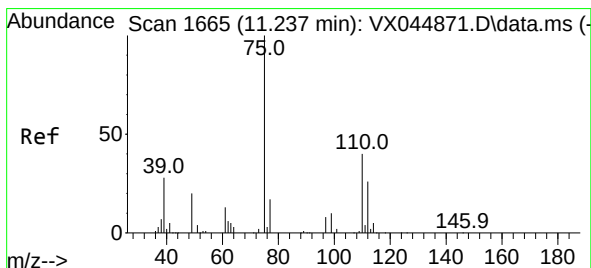
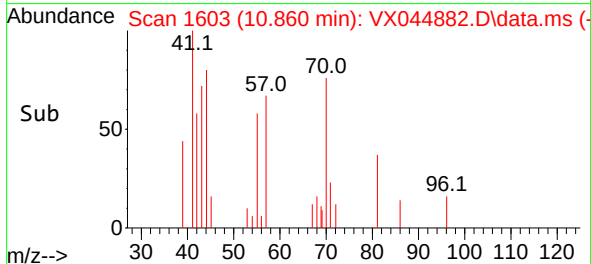
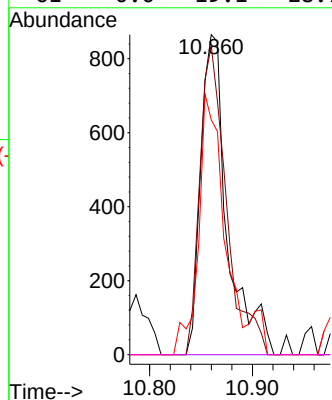
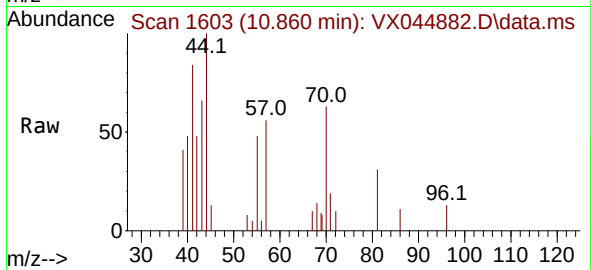




#74
N-amy1 acetate
Concen: 0.545 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.019 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

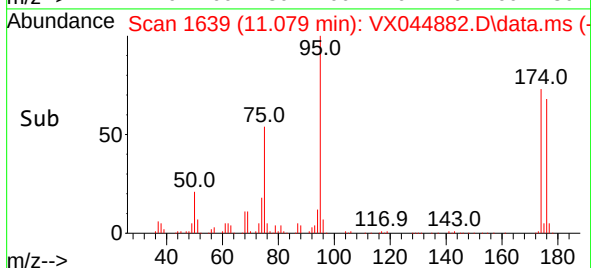
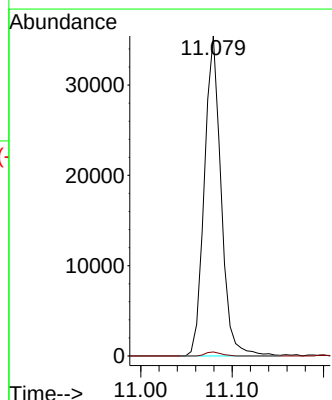
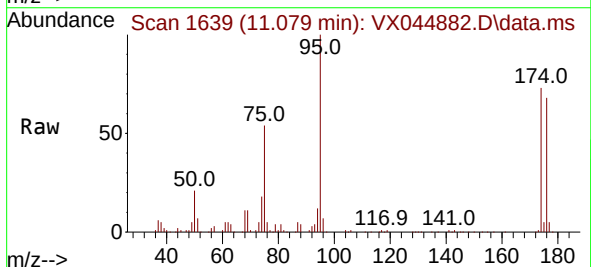
Instrument :
MSVOA_X
ClientSampleId :

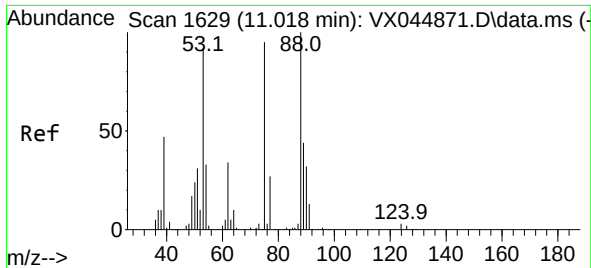
Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
70 96.5 33.7 50.5#
55 78.8 18.6 27.8#
61 0.0 19.1 28.7#



#76
1,2,3-Trichloropropane
Concen: 25.753 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044882.D
Acq: 10 Feb 2025 16:04

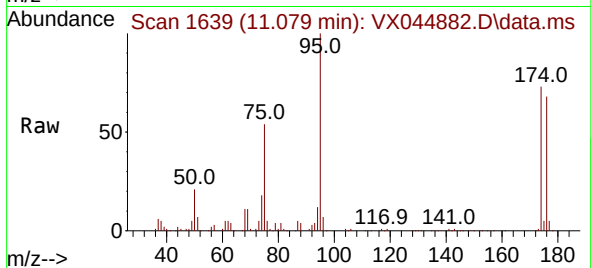
Tgt Ion: 75 Resp: 45022
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.246 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044882.D
 Acq: 10 Feb 2025 16:04

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 45022
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 36.6 54.8#

