

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020525\
 Data File : VX044850.D
 Acq On : 05 Feb 2025 17:45
 Operator : JC/MD
 Sample : Q1250-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 04:42:02 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)

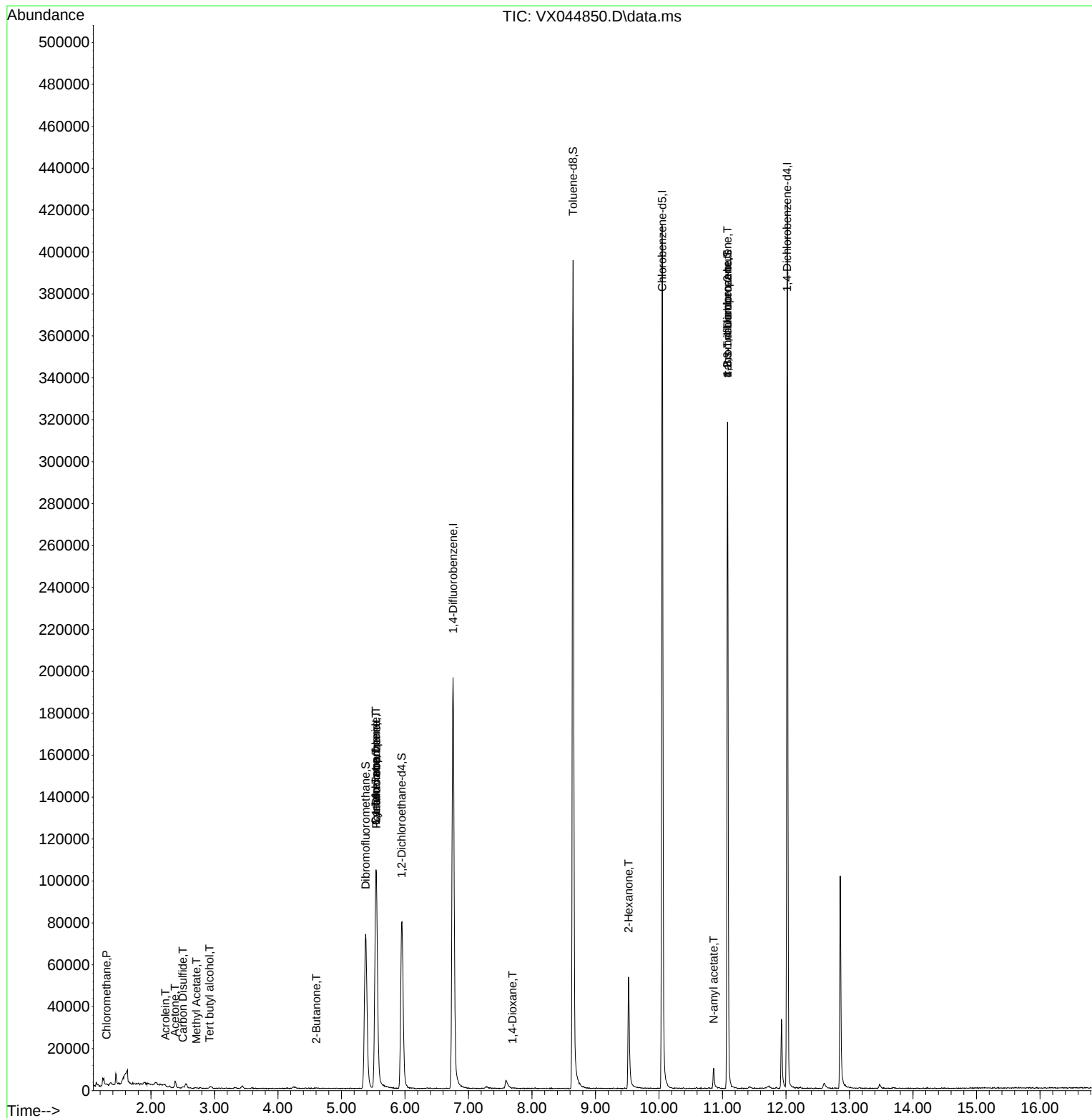
Internal Standards						
1) Pentafluorobenzene	5.550	168	101162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	208056	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	189576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	80127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76579	50.151	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.300%	
35) Dibromofluoromethane	5.379	113	65610	49.639	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.280%	
50) Toluene-d8	8.647	98	246823	53.556	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.120%	
62) 4-Bromofluorobenzene	11.079	95	86548	50.375	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	700	0.476	ug/l	93
11) Tert butyl alcohol	2.922	59	186	0.546	ug/l #	85
13) Acrolein	2.227	56	184	1.149	ug/l #	51
16) Acetone	2.380	43	3594	5.949	ug/l #	87
17) Carbon Disulfide	2.502	76	982	0.304	ug/l	100
18) Methyl Acetate	2.715	43	423	0.227	ug/l #	50
25) 2-Butanone	4.605	43	212	0.236	ug/l #	48
31) Cyclohexane	5.544	56	2623	1.364	ug/l #	35
36) 1,1-Dichloropropene	5.544	75	8774	4.769	ug/l #	50
38) Carbon Tetrachloride	5.544	117	10299	4.976	ug/l #	15
49) 1,4-Dioxane	7.690	88	54	1.547	ug/l #	1
59) 2-Hexanone	9.519	43	8725	5.954	ug/l #	47
74) N-amyl acetate	10.860	43	1702	0.528	ug/l #	6
76) 1,2,3-Trichloropropane	11.079	75	44407	22.836	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.079	75	44407	52.224	ug/l #	12

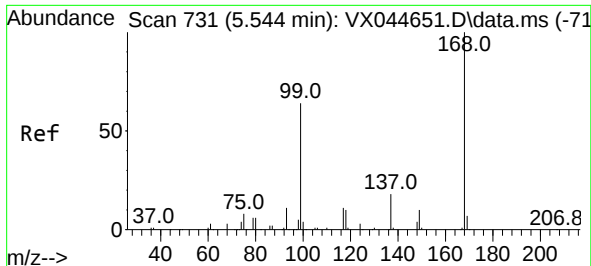
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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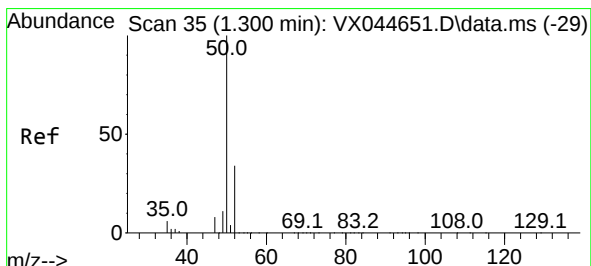
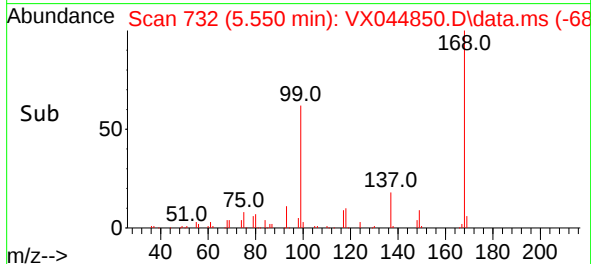
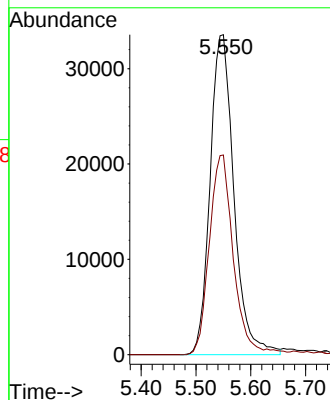
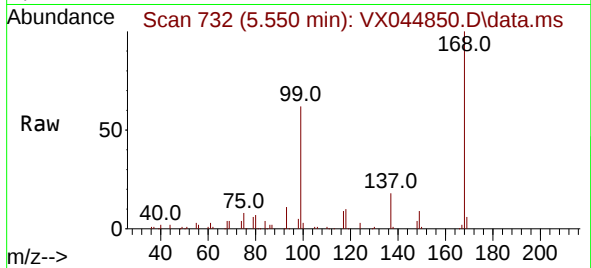




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

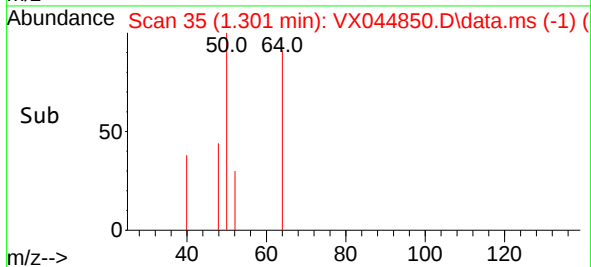
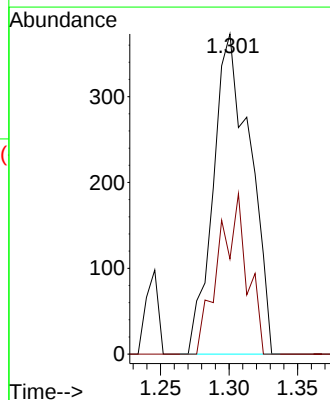
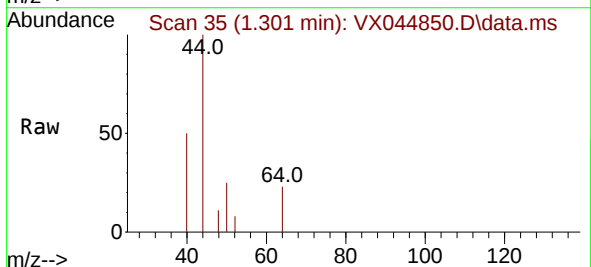
Instrument :
MSVOA_X
ClientSampleId :

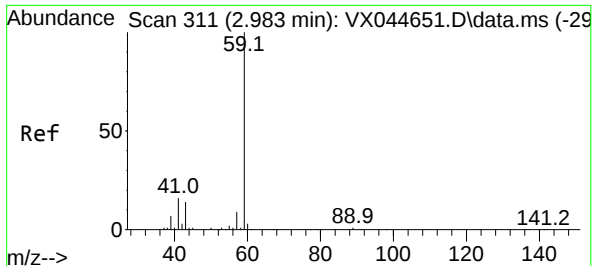
Tgt Ion:168 Resp: 101162
Ion Ratio Lower Upper
168 100
99 62.4 51.1 76.7



#3
Chloromethane
Concen: 0.476 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Tgt Ion: 50 Resp: 700
Ion Ratio Lower Upper
50 100
52 29.8 27.0 40.4





#11

Tert butyl alcohol

Concen: 0.546 ug/l

RT: 2.922 min Scan# 301

Delta R.T. -0.061 min

Lab File: VX044850.D

Acq: 05 Feb 2025 17:45

Instrument :

MSVOA_X

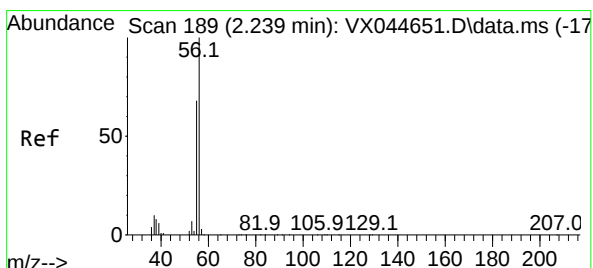
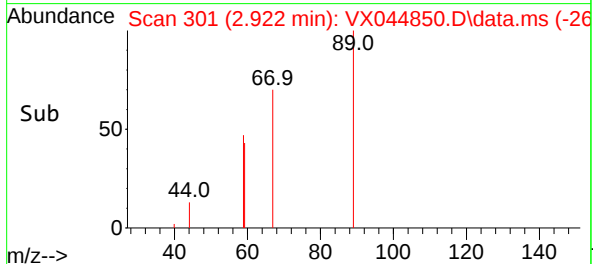
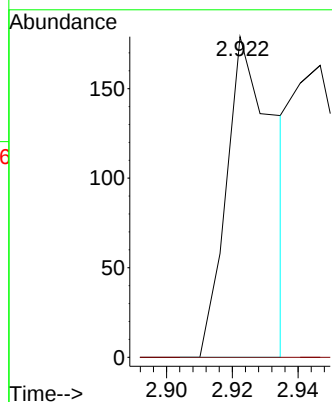
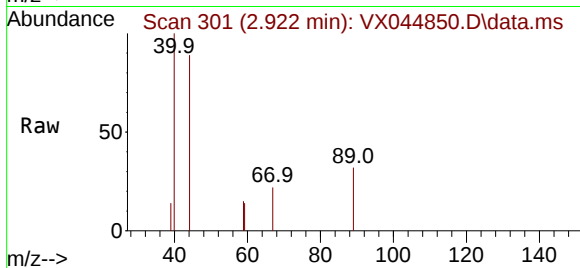
ClientSampleId :

Tgt Ion: 59 Resp: 186

Ion Ratio Lower Upper

59 100

57 0.0 3.9 5.9#



#13

Acrolein

Concen: 1.149 ug/l

RT: 2.227 min Scan# 187

Delta R.T. -0.012 min

Lab File: VX044850.D

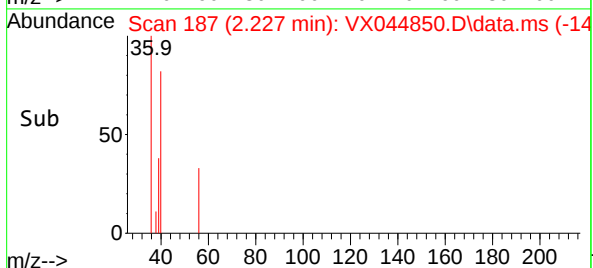
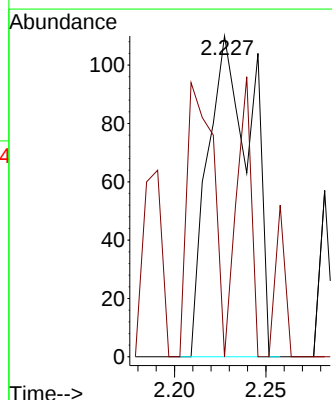
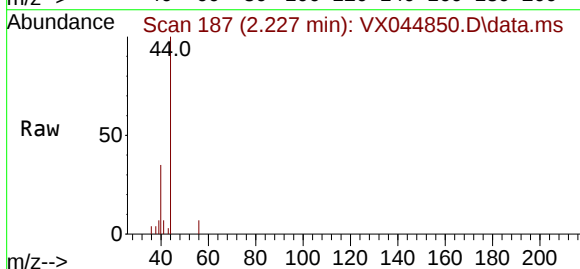
Acq: 05 Feb 2025 17:45

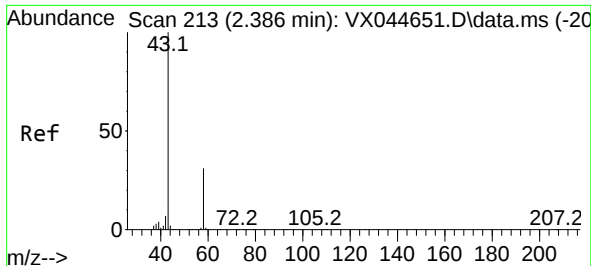
Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

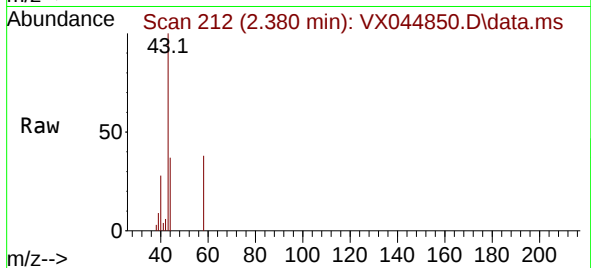
55 29.3 55.1 82.7#



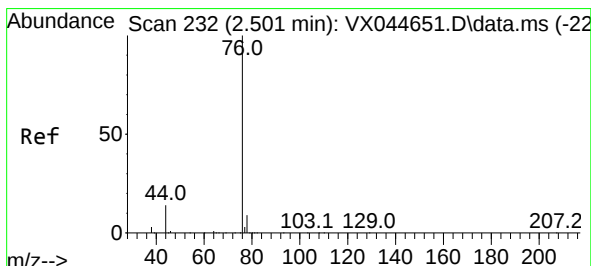
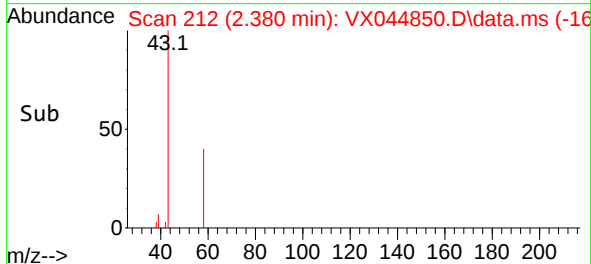
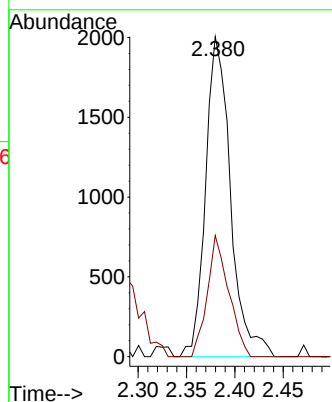


#16
Acetone
Concen: 5.949 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :

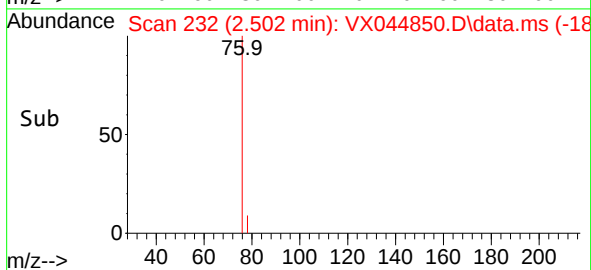
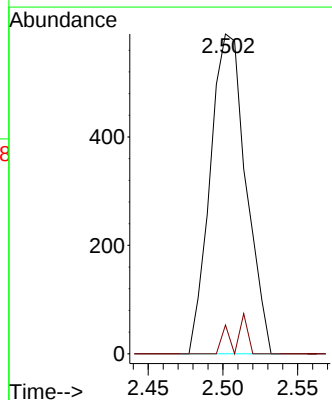
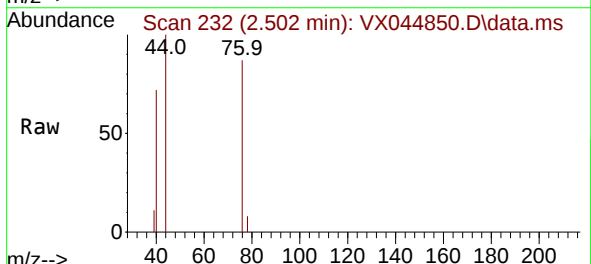


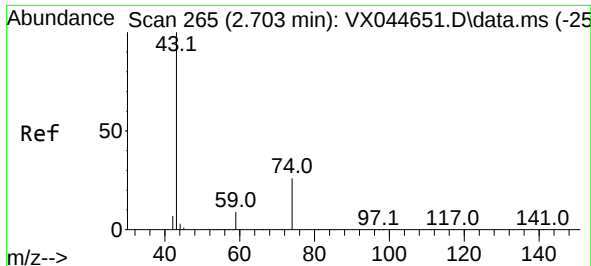
Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
58 37.9 24.6 37.0#



#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Tgt Ion: 76 Resp: 982
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7





#18

Methyl Acetate

Concen: 0.227 ug/l

RT: 2.715 min Scan# 2

Delta R.T. 0.012 min

Lab File: VX044850.D

Acq: 05 Feb 2025 17:45

Instrument :

MSVOA_X

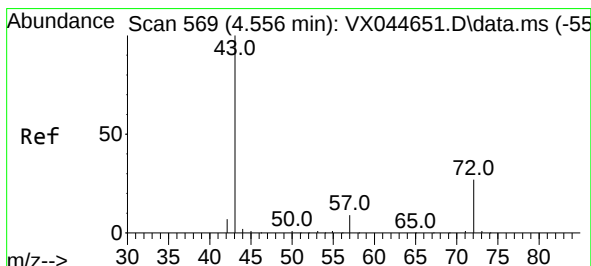
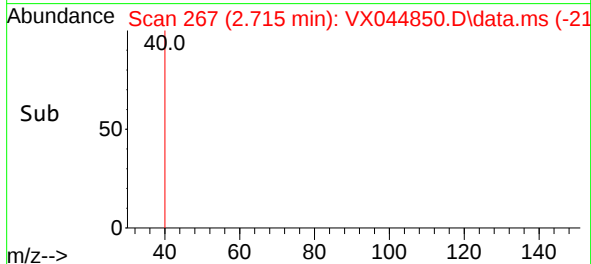
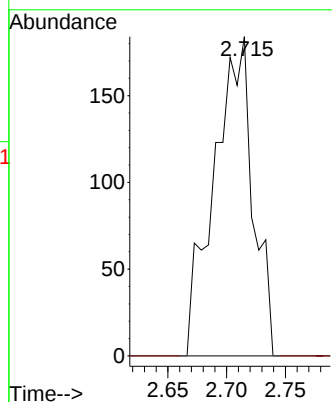
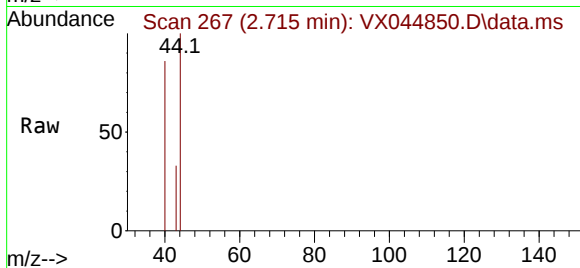
ClientSampleId :

Tgt Ion: 43 Resp: 423

Ion Ratio Lower Upper

43 100

74 0.0 19.8 29.8#



#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.605 min Scan# 577

Delta R.T. 0.049 min

Lab File: VX044850.D

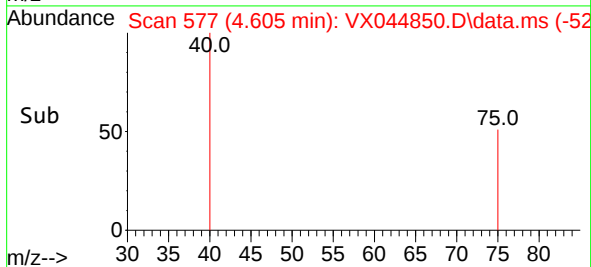
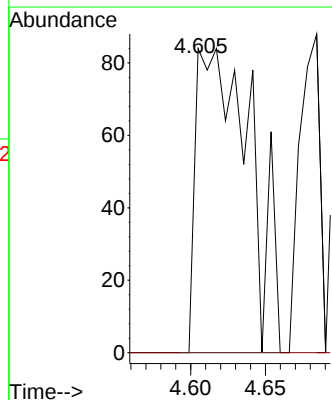
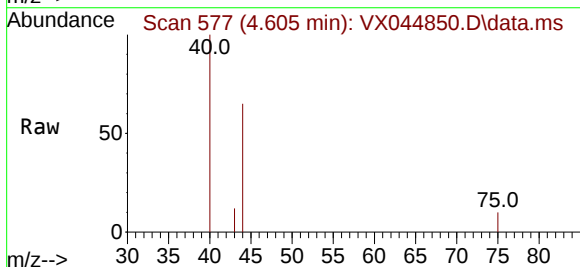
Acq: 05 Feb 2025 17:45

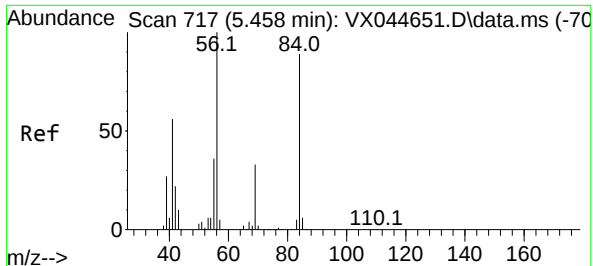
Tgt Ion: 43 Resp: 212

Ion Ratio Lower Upper

43 100

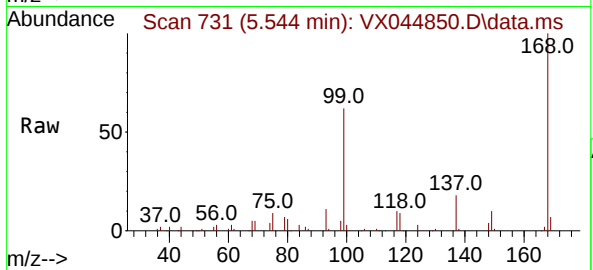
72 0.0 21.7 32.5#



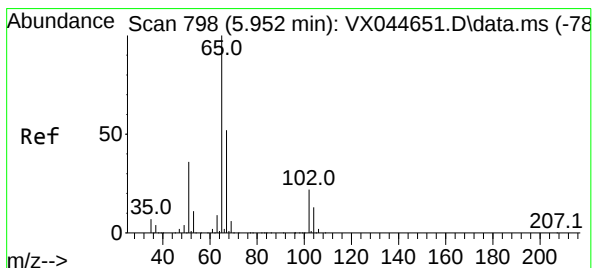
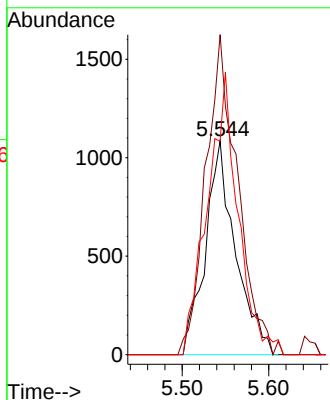
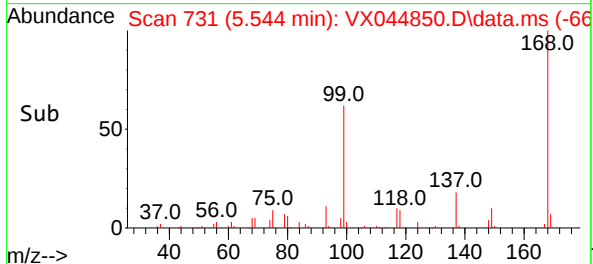


#31
Cyclohexane
Concen: 1.364 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.086 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

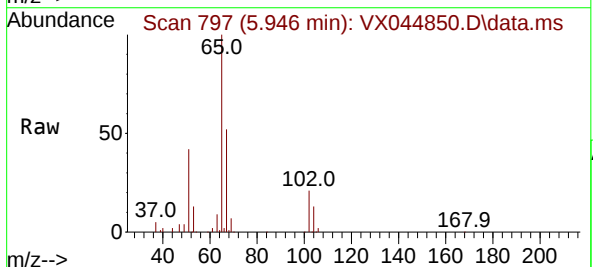
Instrument :
MSVOA_X
ClientSampleId :



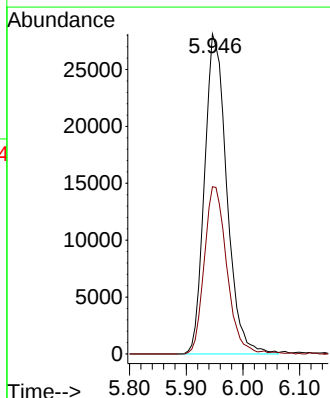
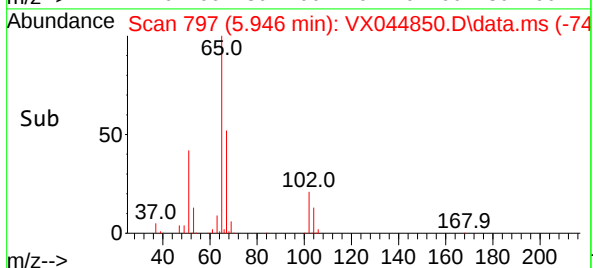
Tgt Ion: 56 Resp: 2623
Ion Ratio Lower Upper
56 100
69 149.6 26.8 40.2#
84 99.8 71.0 106.4

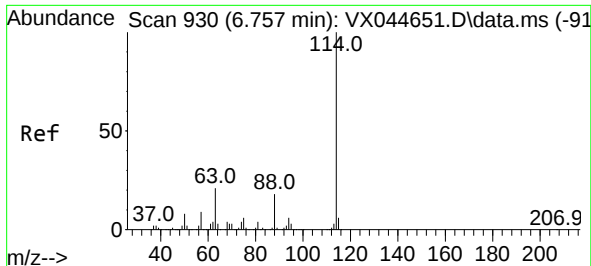


#33
1,2-Dichloroethane-d4
Concen: 50.151 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45



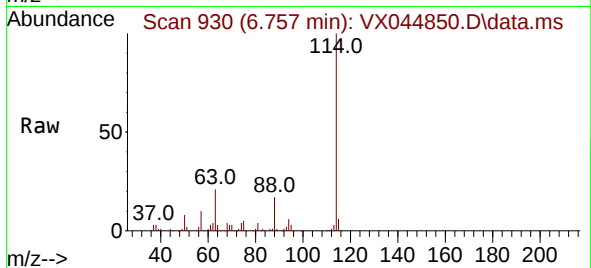
Tgt Ion: 65 Resp: 76579
Ion Ratio Lower Upper
65 100
67 53.3 0.0 103.4



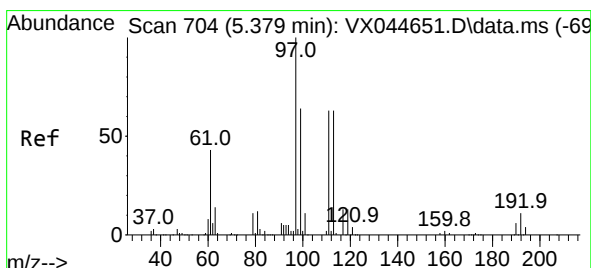
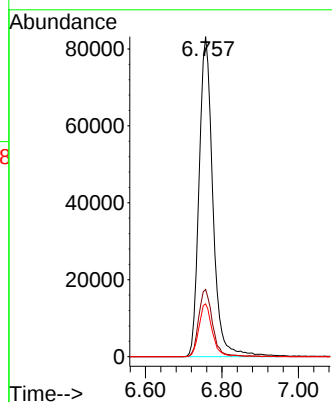
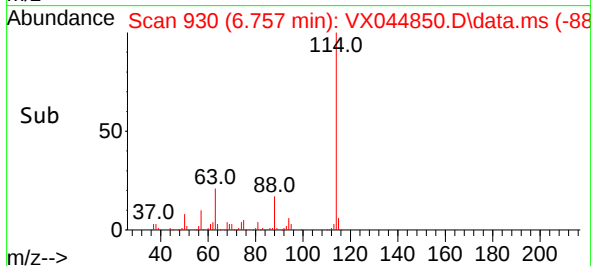


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :

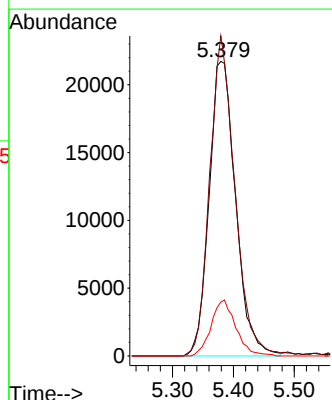
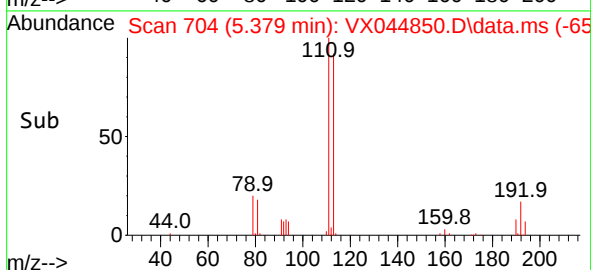
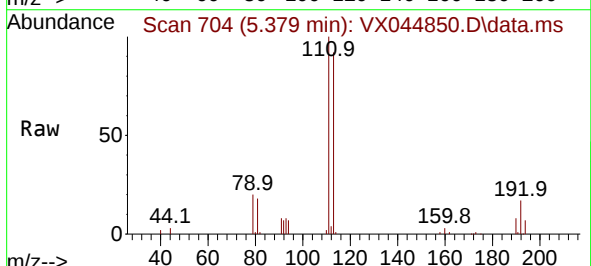


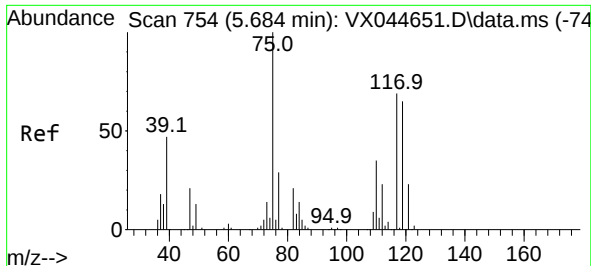
Tgt Ion:114 Resp: 208056
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.0
88 16.5 0.0 35.4



#35
Dibromofluoromethane
Concen: 49.639 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Tgt Ion:113 Resp: 65610
Ion Ratio Lower Upper
113 100
111 103.5 81.6 122.4
192 17.8 14.4 21.6





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX044850.D

Acq: 05 Feb 2025 17:45

Instrument :

MSVOA_X

ClientSampleId :

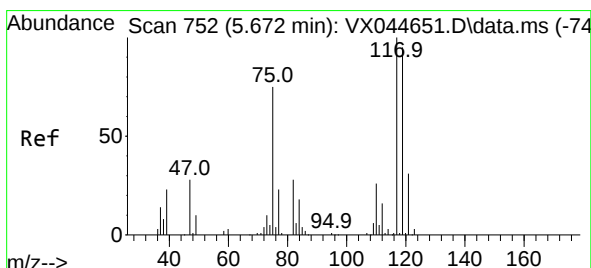
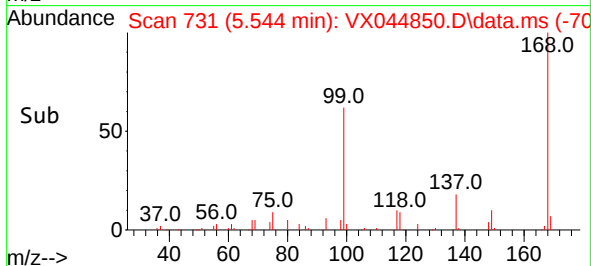
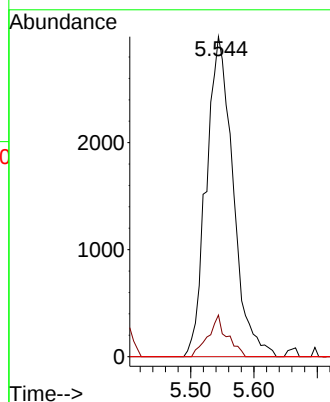
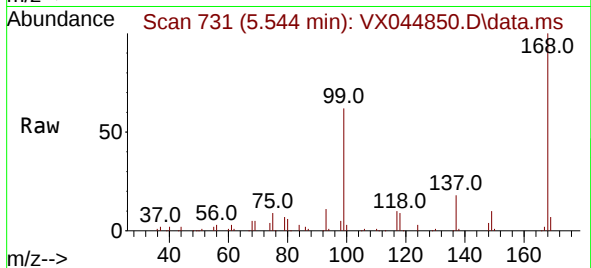
Tgt Ion: 75 Resp: 8774

Ion Ratio Lower Upper

75 100

110 9.2 17.9 53.8#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 4.976 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044850.D

Acq: 05 Feb 2025 17:45

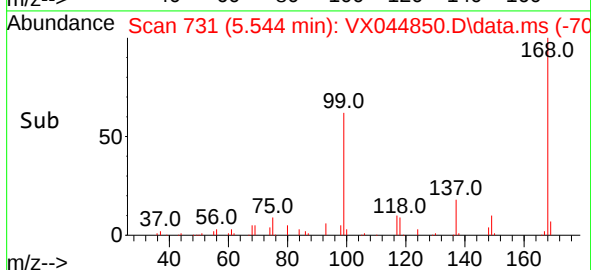
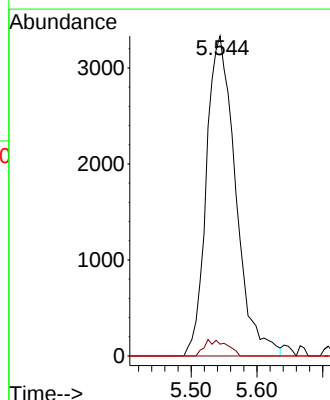
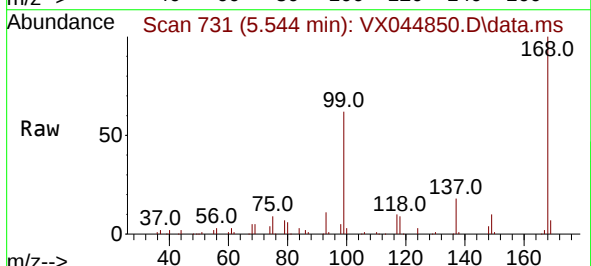
Tgt Ion: 117 Resp: 10299

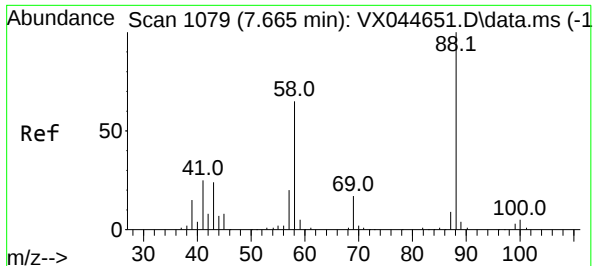
Ion Ratio Lower Upper

117 100

119 3.7 76.0 114.0#

121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 1.547 ug/l

RT: 7.690 min Scan# 1079

Delta R.T. 0.025 min

Lab File: VX044850.D

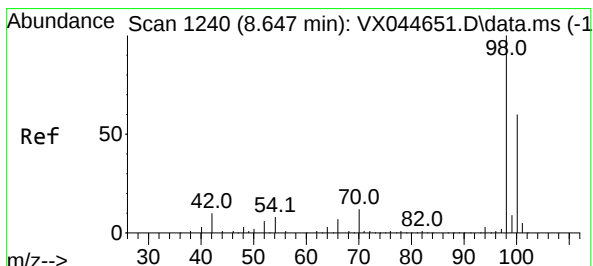
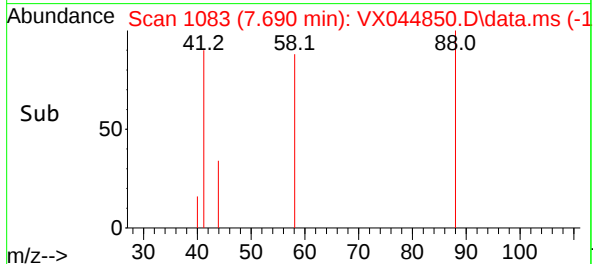
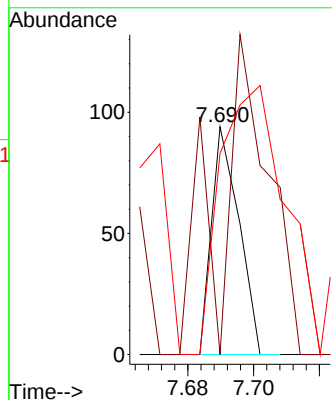
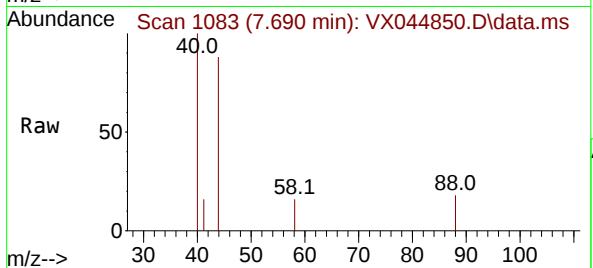
Acq: 05 Feb 2025 17:45

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88	Resp:	54
Ion	Ratio	Lower Upper
88	100	
43	255.6	27.0 40.4#
58	281.5	55.8 83.8#



#50

Toluene-d8

Concen: 53.556 ug/l

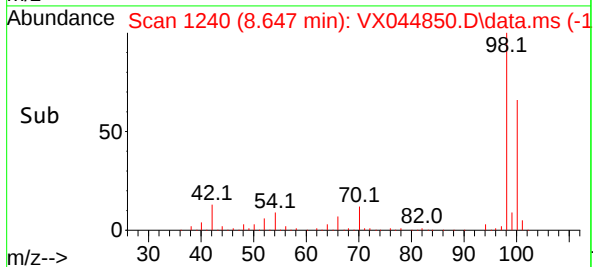
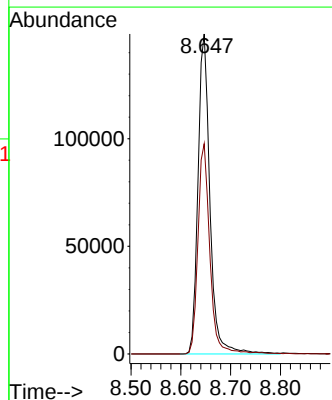
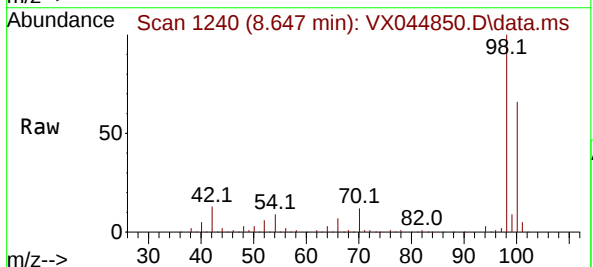
RT: 8.647 min Scan# 1240

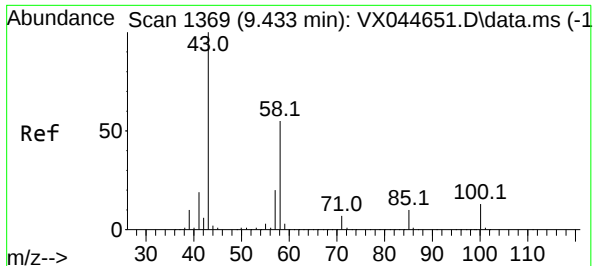
Delta R.T. 0.000 min

Lab File: VX044850.D

Acq: 05 Feb 2025 17:45

Tgt Ion: 98	Resp:	246823
Ion	Ratio	Lower Upper
98	100	
100	65.6	53.2 79.8

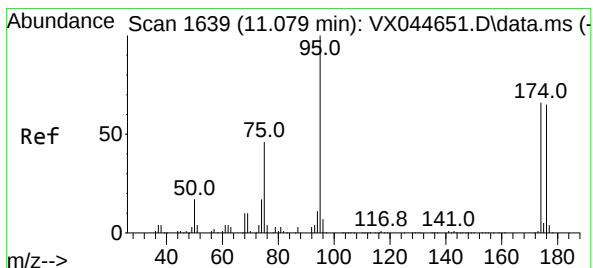
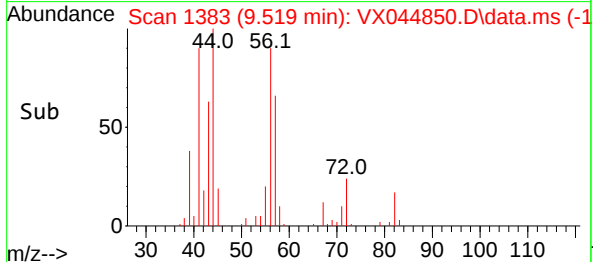
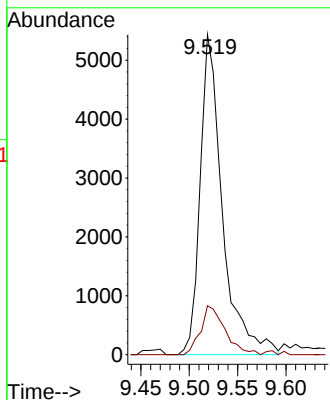
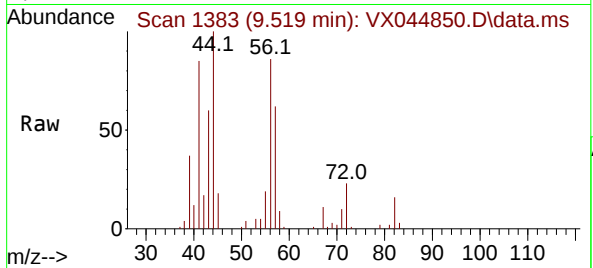




#59
2-Hexanone
Concen: 5.954 ug/l
RT: 9.519 min Scan# 11
Delta R.T. 0.086 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

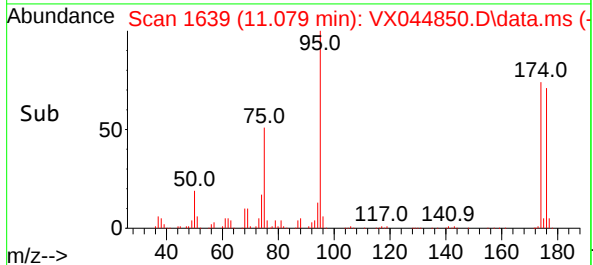
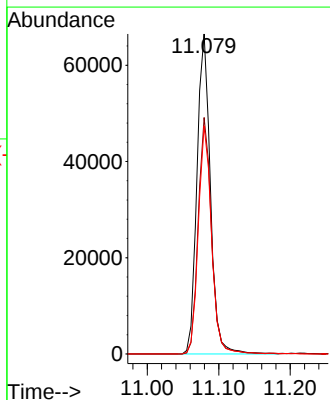
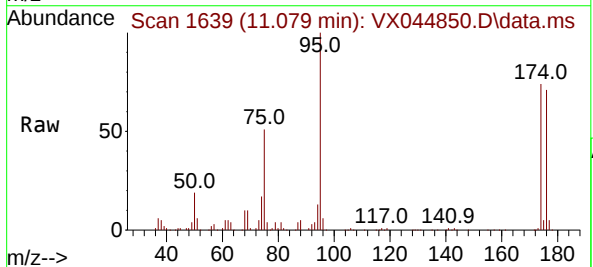
Instrument :
MSVOA_X
ClientSampleId :

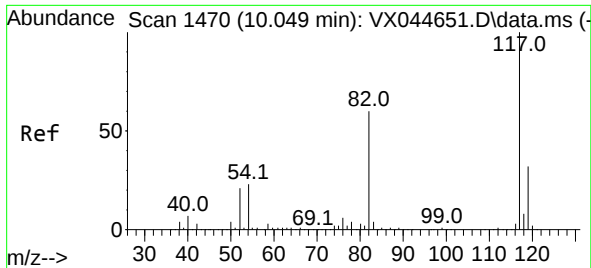
Tgt Ion: 43 Resp: 8725
Ion Ratio Lower Upper
43 100
58 16.7 27.8 83.3#



#62
4-Bromofluorobenzene
Concen: 50.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Tgt Ion: 95 Resp: 86548
Ion Ratio Lower Upper
95 100
174 73.1 0.0 133.0
176 70.3 0.0 129.4

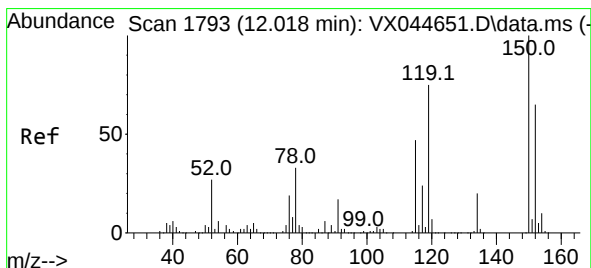
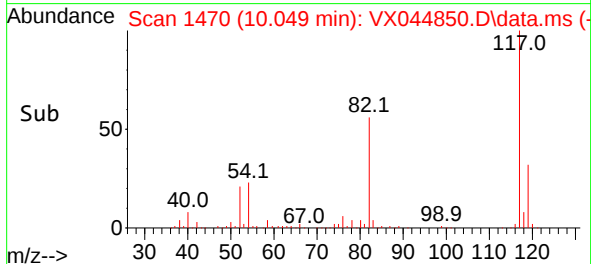
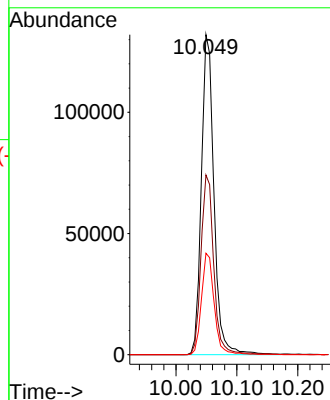
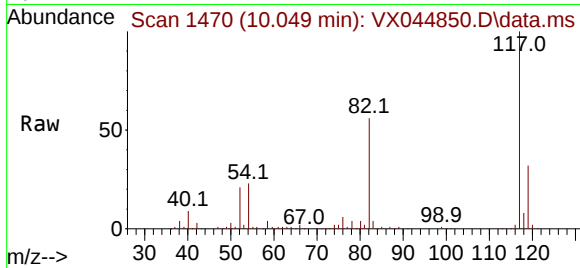




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

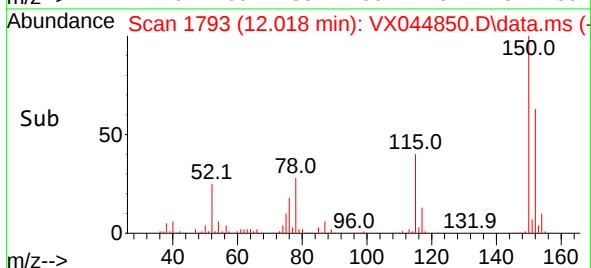
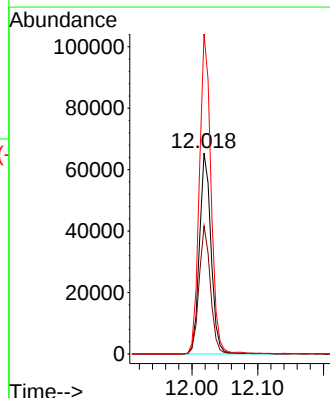
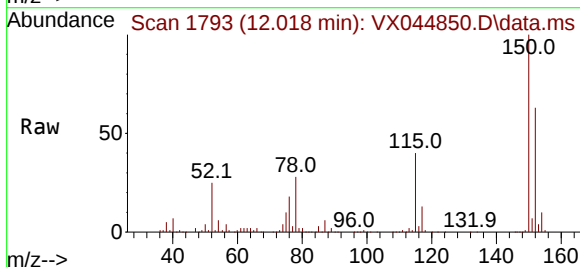
Instrument :
MSVOA_X
ClientSampleId :

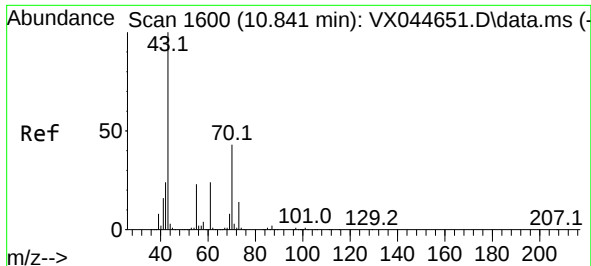
Tgt Ion:117 Resp: 189576
Ion Ratio Lower Upper
117 100
82 56.2 47.6 71.4
119 31.7 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

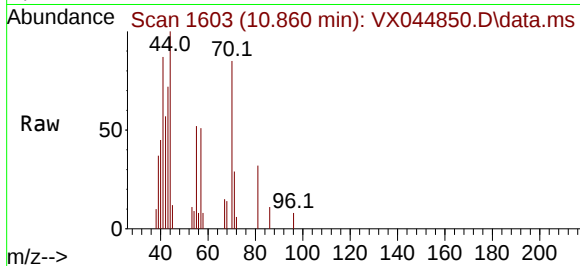
Tgt Ion:152 Resp: 80127
Ion Ratio Lower Upper
152 100
115 62.8 43.8 131.4
150 160.1 0.0 347.8



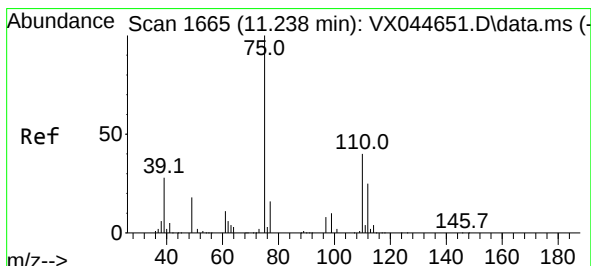
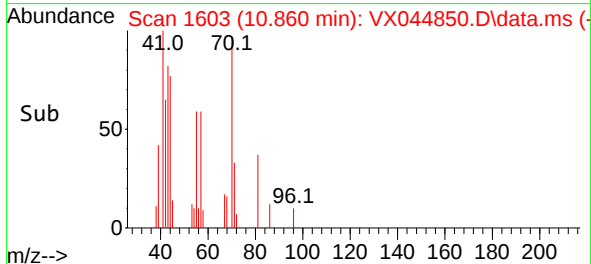
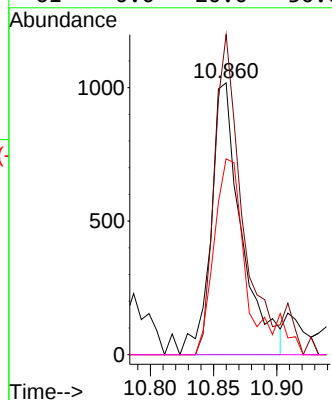


#74
N-amy1 acetate
Concen: 0.528 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.019 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

Instrument :
MSVOA_X
ClientSampleId :

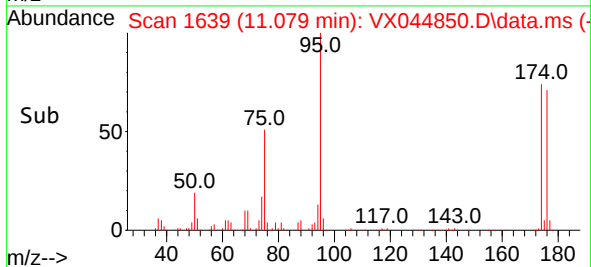
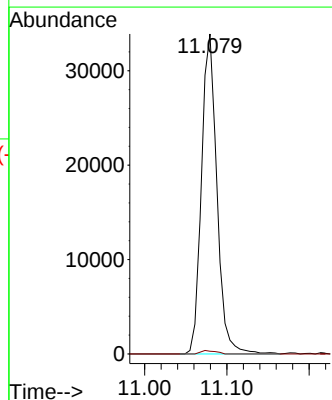
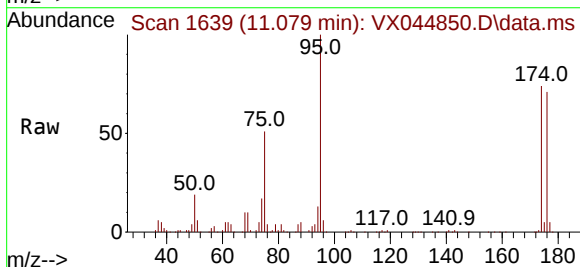


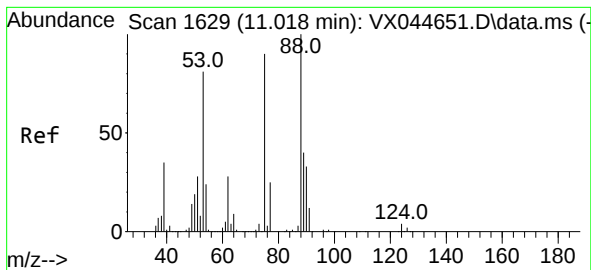
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
70 115.0 35.2 52.8#
55 77.8 19.0 28.4#
61 0.0 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 22.836 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044850.D
Acq: 05 Feb 2025 17:45

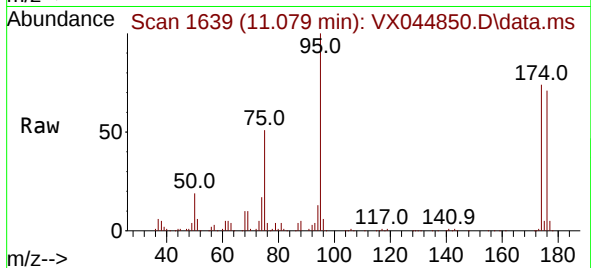
Tgt Ion: 75 Resp: 44407
Ion Ratio Lower Upper
75 100
77 1.1 23.4 70.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.224 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044850.D
 Acq: 05 Feb 2025 17:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 44407
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.3 111.5#
 89 0.0 37.4 56.0#

