

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020525\
 Data File : VX044845.D
 Acq On : 05 Feb 2025 15:50
 Operator : JC/MD
 Sample : Q1250-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 06 04:40:19 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)

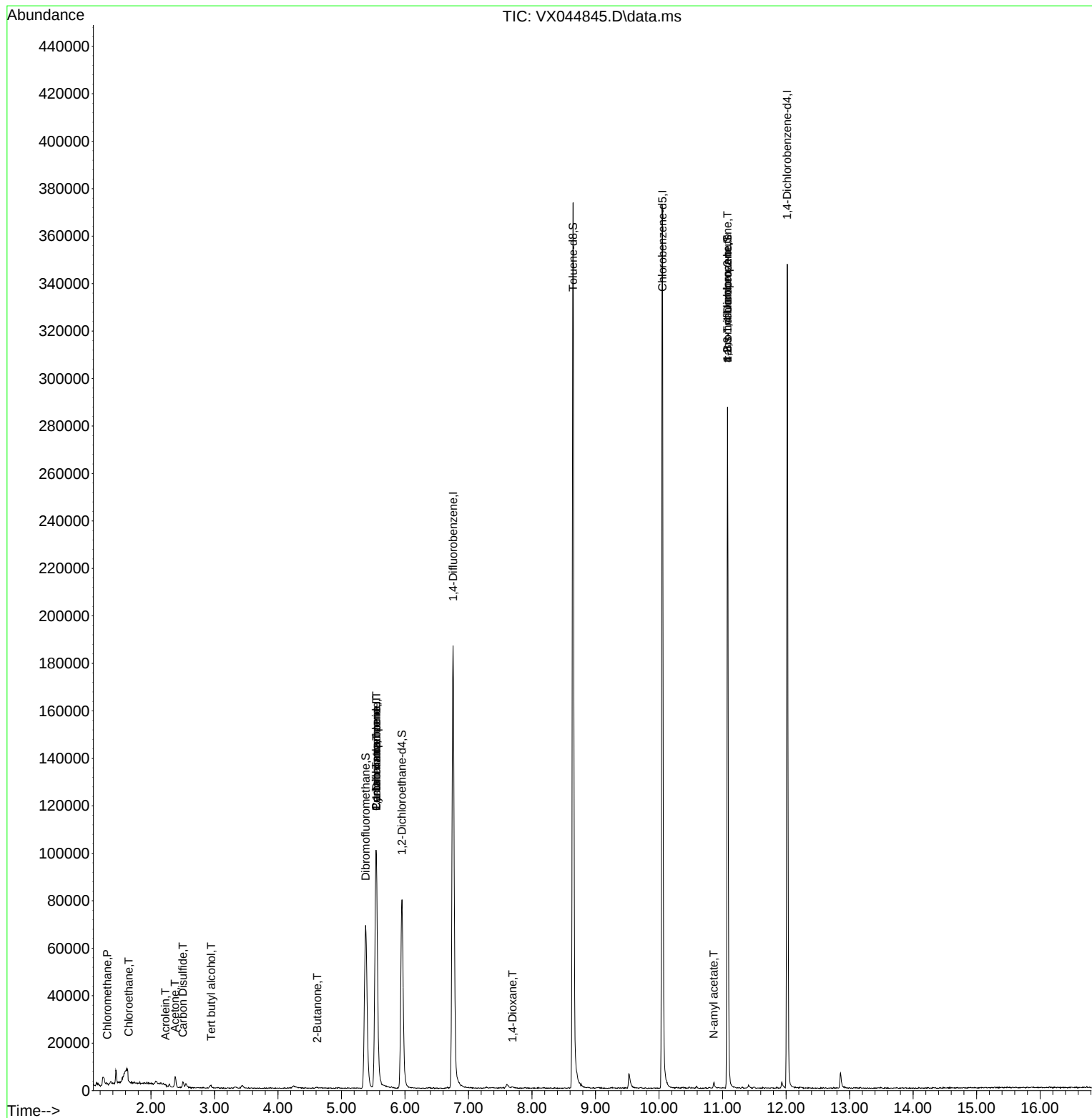
Internal Standards						
1) Pentafluorobenzene	5.550	168	98119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	196470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73196	49.422	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.840%
35) Dibromofluoromethane	5.379	113	62876	50.376	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.760%
50) Toluene-d8	8.647	98	232018	53.313	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.620%
62) 4-Bromofluorobenzene	11.079	95	78371	48.306	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.620%
Target Compounds						
					Qvalue	
3) Chloromethane	1.313	50	546	0.382	ug/l	99
6) Chloroethane	1.648	64	380	1.469	ug/l #	41
11) Tert butyl alcohol	2.946	59	628	1.902	ug/l #	85
13) Acrolein	2.227	56	111	0.714	ug/l #	71
16) Acetone	2.379	43	5031	8.586	ug/l	97
17) Carbon Disulfide	2.501	76	3047	0.972	ug/l #	95
25) 2-Butanone	4.617	43	683	0.784	ug/l #	48
31) Cyclohexane	5.550	56	2428	1.302	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	8397	4.833	ug/l #	48
38) Carbon Tetrachloride	5.550	117	10653	5.451	ug/l #	15
49) 1,4-Dioxane	7.689	88	308	9.344	ug/l #	85
74) N-amyl acetate	10.860	43	738	0.260	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	40216	23.531	ug/l #	31
81) trans-1,4-Dichloro-2-b...	11.079	75	40216	53.813	ug/l #	12

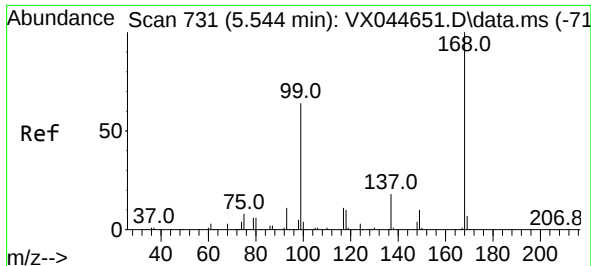
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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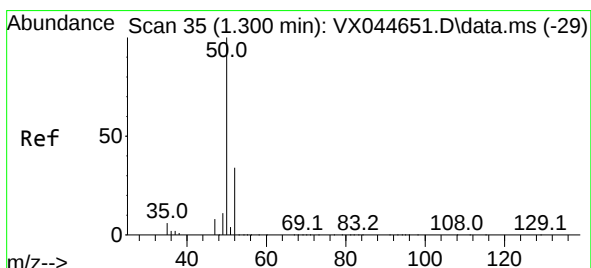
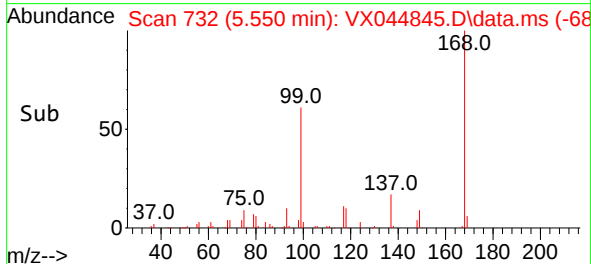
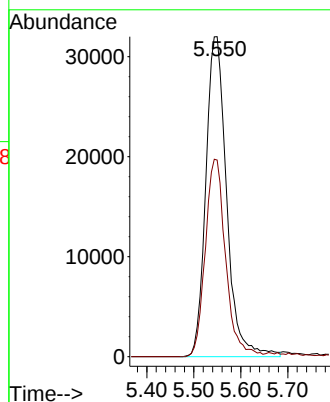
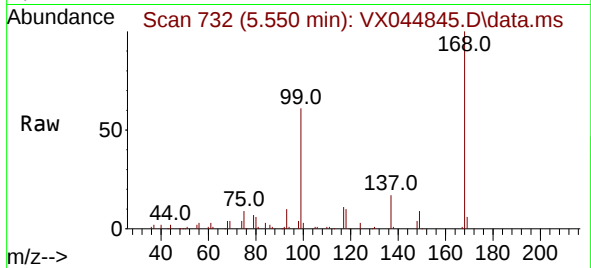




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

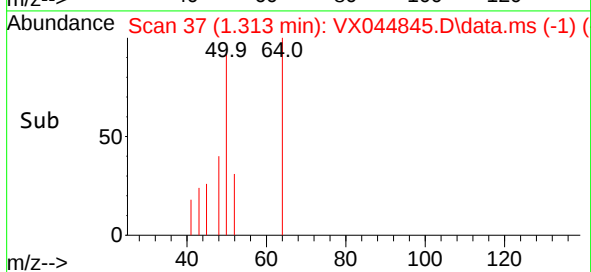
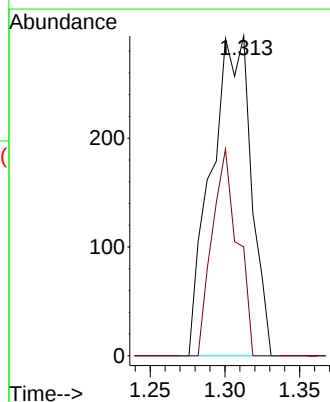
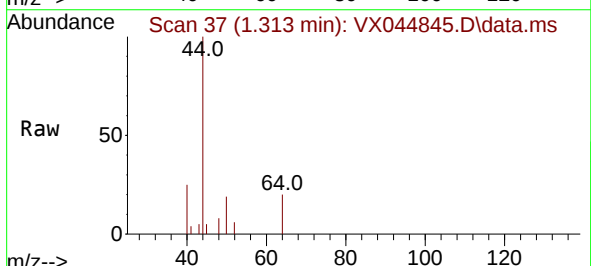
Instrument :
MSVOA_X
ClientSampleId :

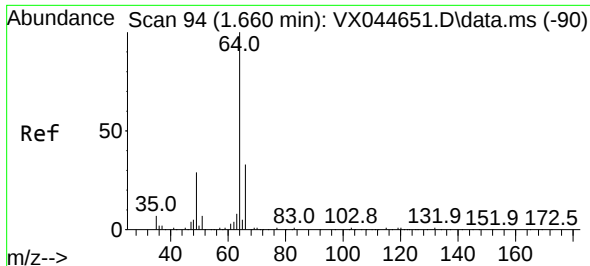
Tgt Ion:168 Resp: 98119
Ion Ratio Lower Upper
168 100
99 61.5 51.1 76.7



#3
Chloromethane
Concen: 0.382 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.012 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

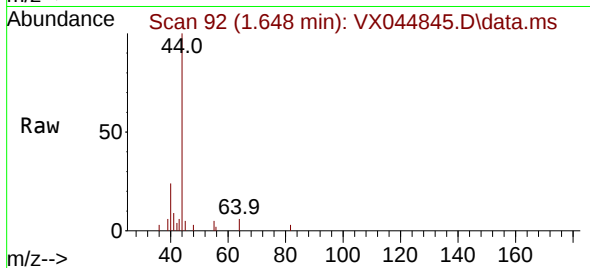
Tgt Ion: 50 Resp: 546
Ion Ratio Lower Upper
50 100
52 34.0 27.0 40.4



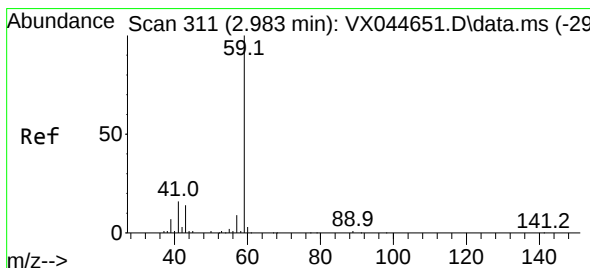
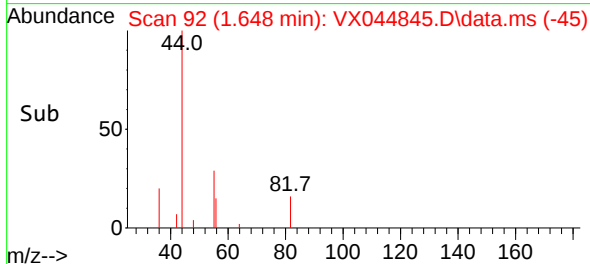
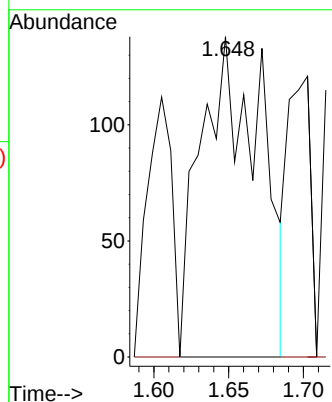


#6
Chloroethane
Concen: 1.469 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.012 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :

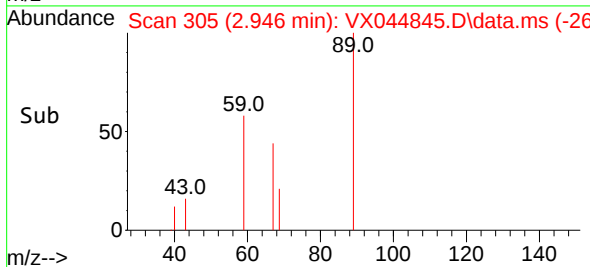
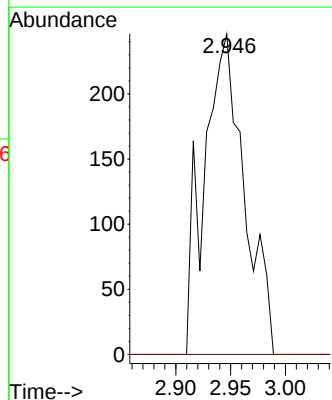
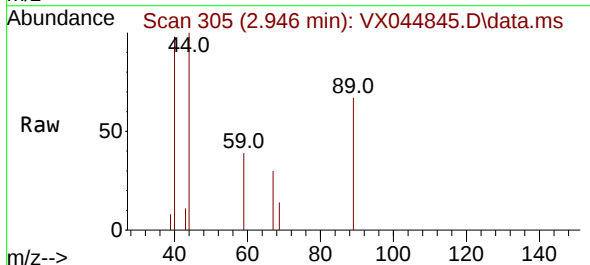


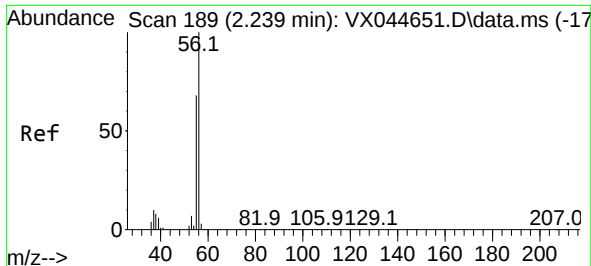
Tgt Ion: 64 Resp: 380
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: 1.902 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

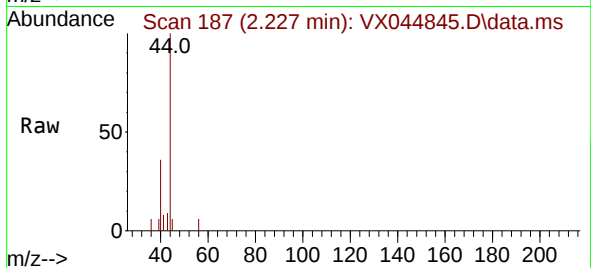
Tgt Ion: 59 Resp: 628
Ion Ratio Lower Upper
59 100
57 0.0 3.9 5.9#



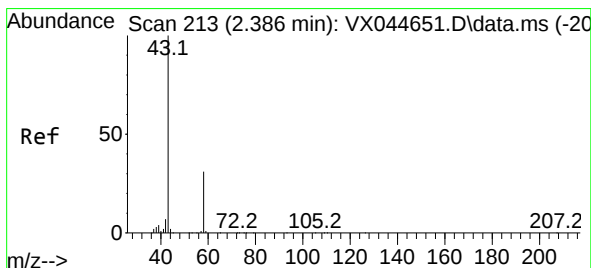
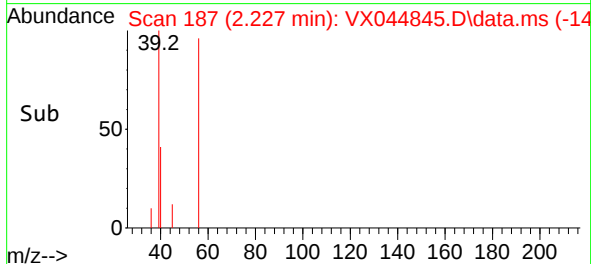
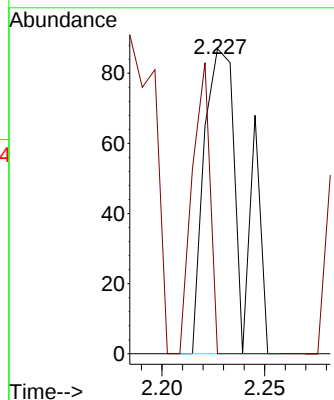


#13
Acrolein
Concen: 0.714 ug/l
RT: 2.227 min Scan# 111
Delta R.T. -0.012 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :

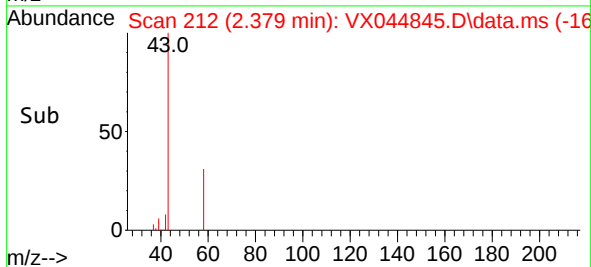
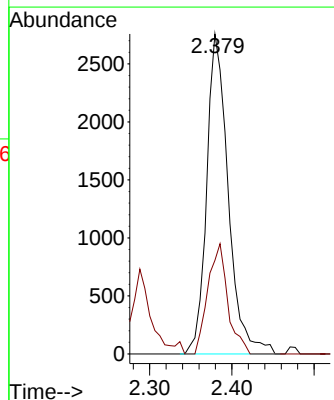
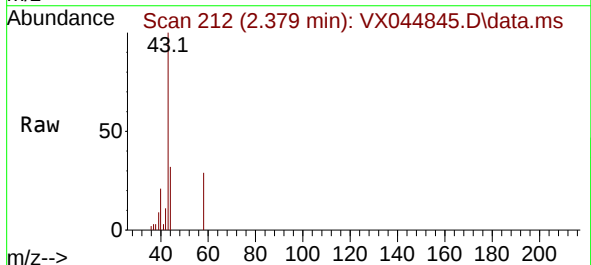


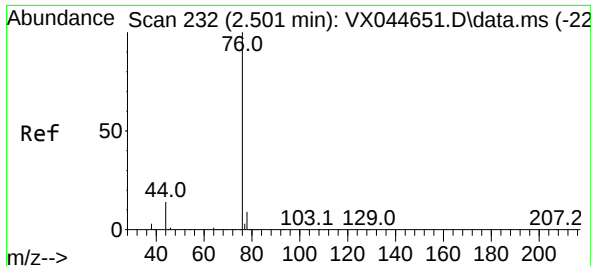
Tgt Ion: 56 Resp: 111
Ion Ratio Lower Upper
56 100
55 45.0 55.1 82.7#



#16
Acetone
Concen: 8.586 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Tgt Ion: 43 Resp: 5031
Ion Ratio Lower Upper
43 100
58 29.2 24.6 37.0





#17

Carbon Disulfide

Concen: 0.972 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

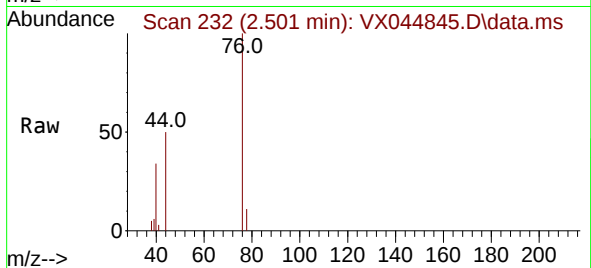
Lab File: VX044845.D

Acq: 05 Feb 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

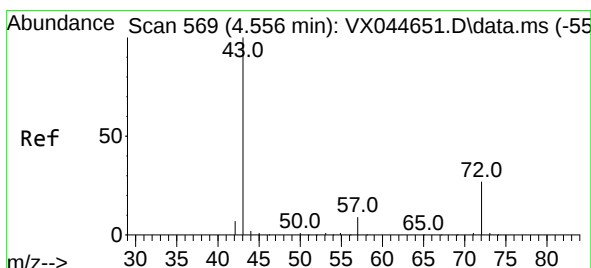
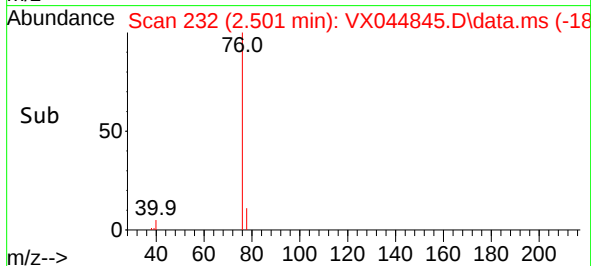
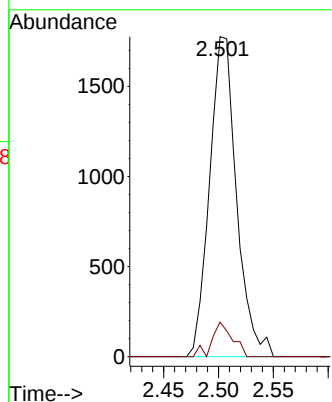


Tgt Ion: 76 Resp: 3047

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#



#25

2-Butanone

Concen: 0.784 ug/l

RT: 4.617 min Scan# 579

Delta R.T. 0.061 min

Lab File: VX044845.D

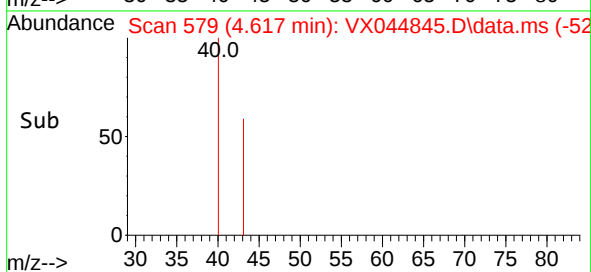
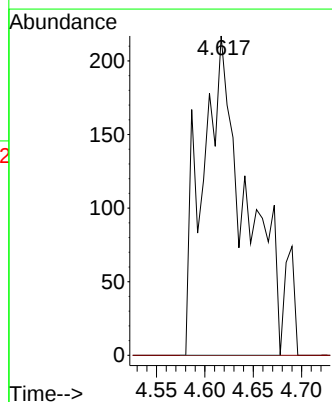
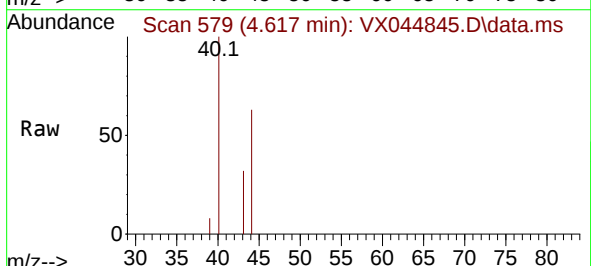
Acq: 05 Feb 2025 15:50

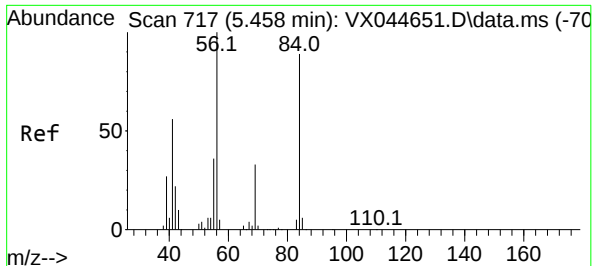
Tgt Ion: 43 Resp: 683

Ion Ratio Lower Upper

43 100

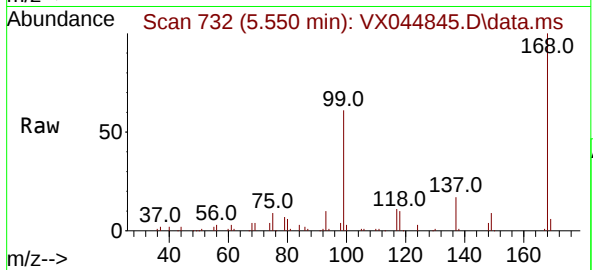
72 0.0 21.7 32.5#



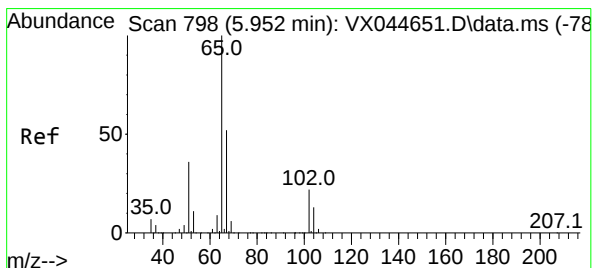
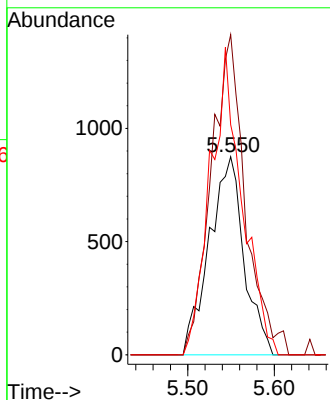
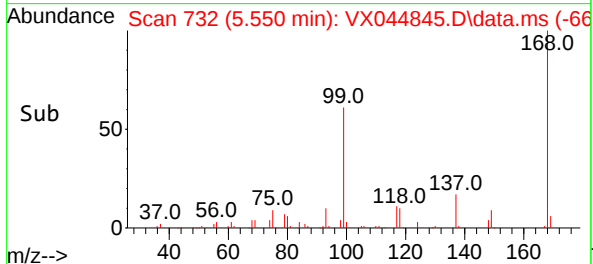


#31
Cyclohexane
Concen: 1.302 ug/l
RT: 5.550 min Scan# 717
Delta R.T. 0.091 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :

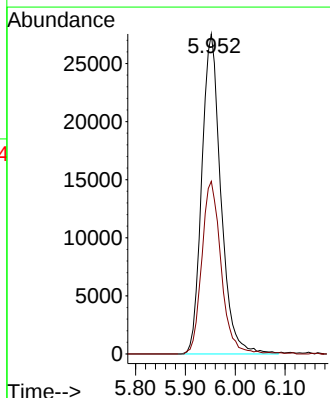
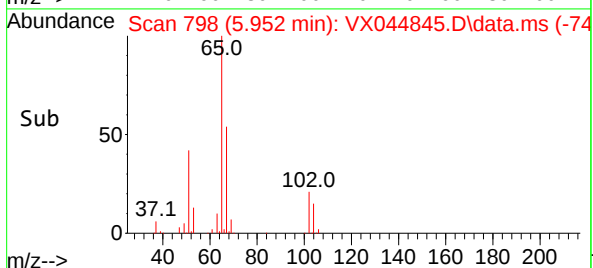
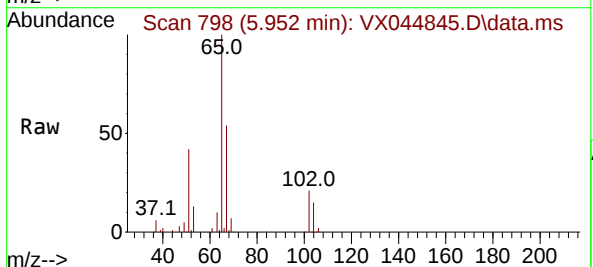


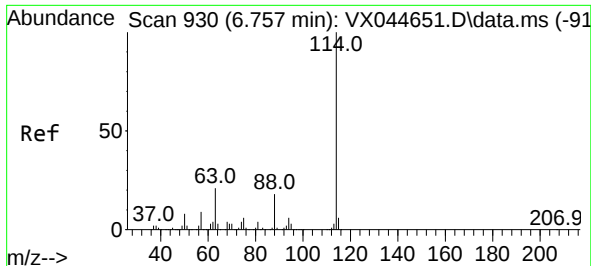
Tgt Ion: 56 Resp: 2428
Ion Ratio Lower Upper
56 100
69 161.6 26.8 40.2#
84 116.1 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 49.422 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Tgt Ion: 65 Resp: 73196
Ion Ratio Lower Upper
65 100
67 54.5 0.0 103.4

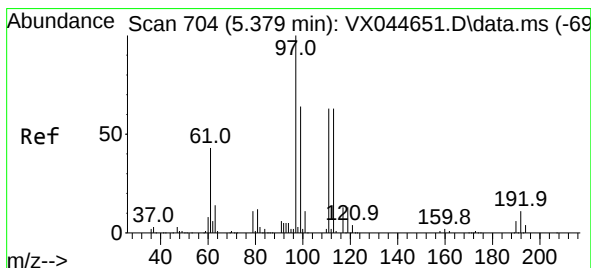
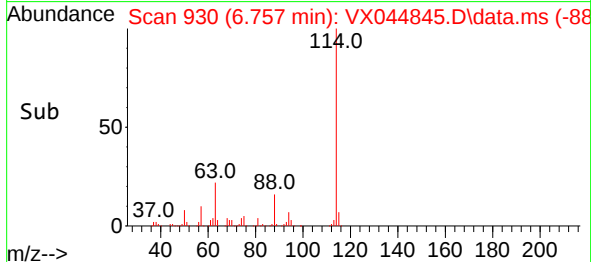
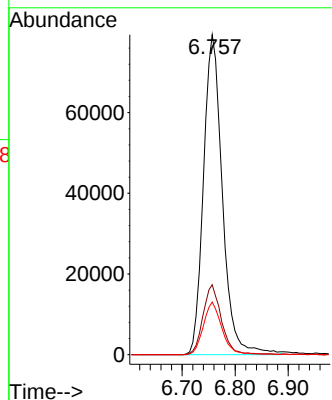
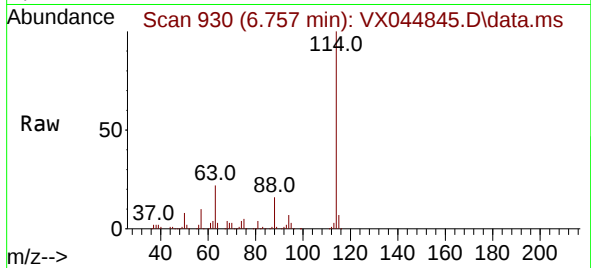




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

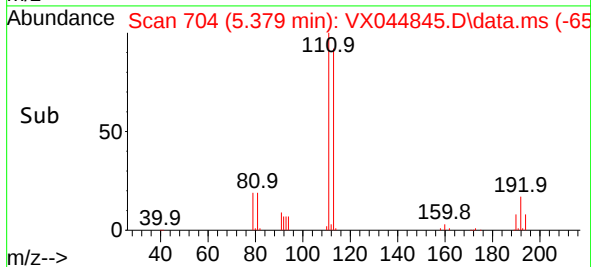
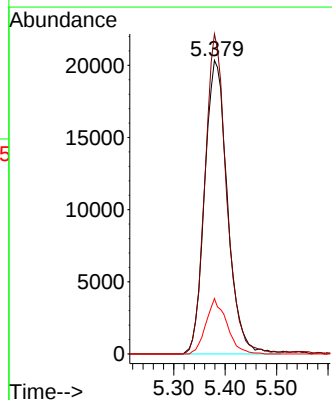
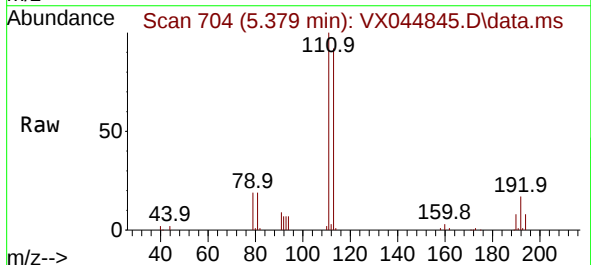
Instrument :
MSVOA_X
ClientSampleId :

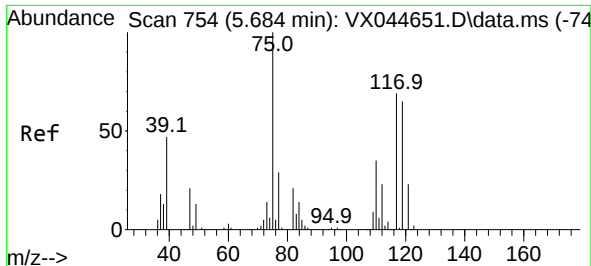
Tgt Ion:114 Resp: 196470
Ion Ratio Lower Upper
114 100
63 21.9 0.0 43.0
88 16.4 0.0 35.4



#35
Dibromofluoromethane
Concen: 50.376 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Tgt Ion:113 Resp: 62876
Ion Ratio Lower Upper
113 100
111 103.1 81.6 122.4
192 17.2 14.4 21.6





#36

1,1-Dichloropropene

Concen: 4.833 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX044845.D

Acq: 05 Feb 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

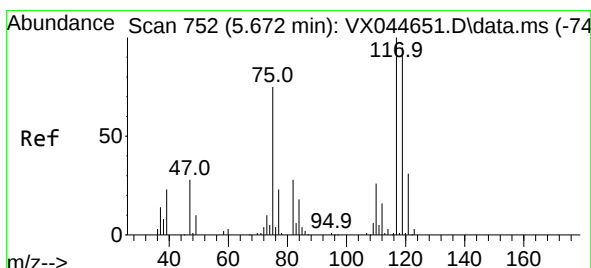
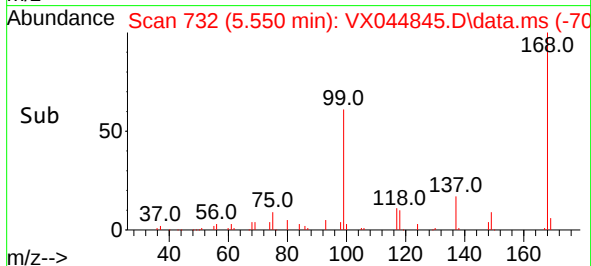
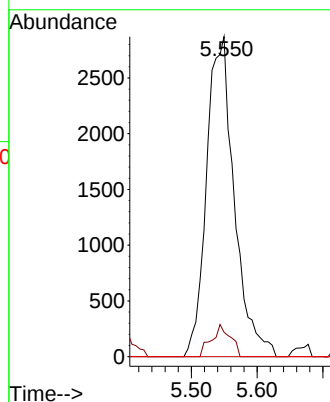
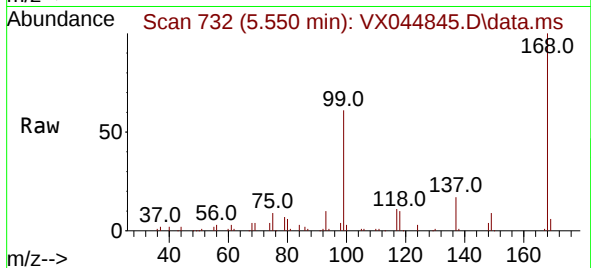
Tgt Ion: 75 Resp: 8397

Ion Ratio Lower Upper

75 100

110 6.9 17.9 53.8#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.451 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX044845.D

Acq: 05 Feb 2025 15:50

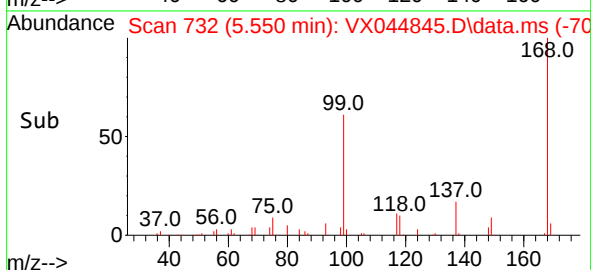
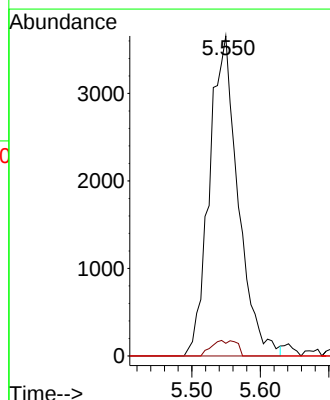
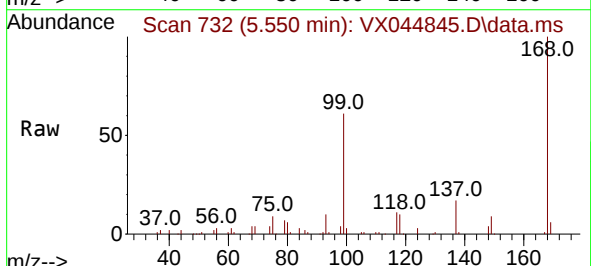
Tgt Ion: 117 Resp: 10653

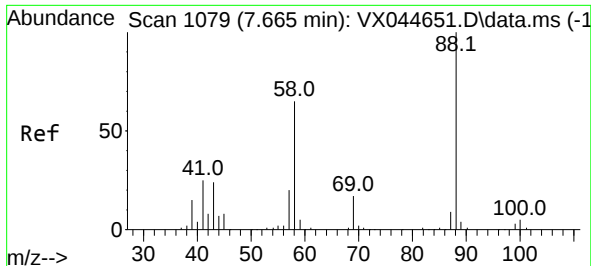
Ion Ratio Lower Upper

117 100

119 3.9 76.0 114.0#

121 0.0 24.6 36.8#





#49

1,4-Dioxane

Concen: 9.344 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. 0.024 min

Lab File: VX044845.D

Acq: 05 Feb 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

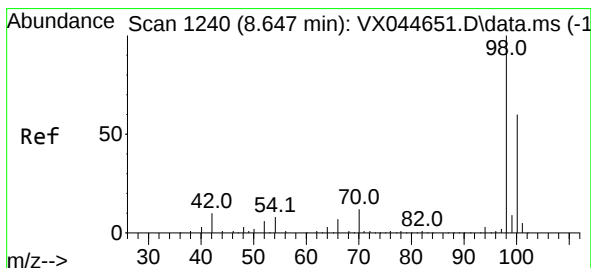
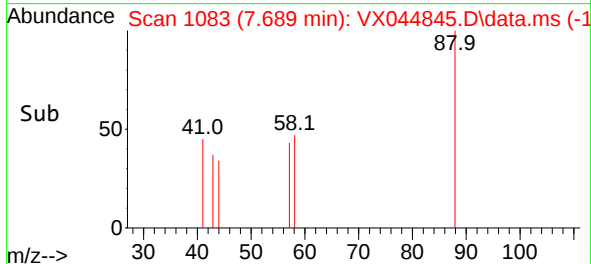
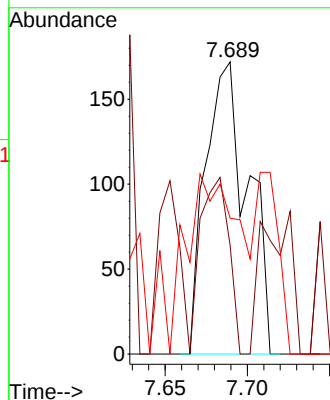
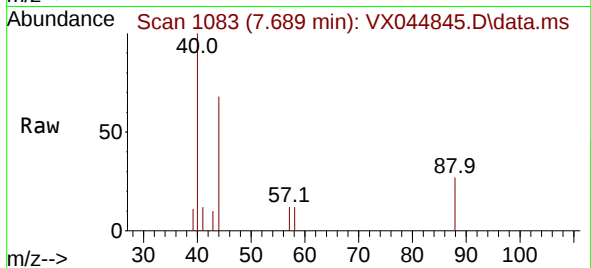
Tgt Ion: 88 Resp: 308

Ion Ratio Lower Upper

88 100

43 40.6 27.0 40.4#

58 83.4 55.8 83.8



#50

Toluene-d8

Concen: 53.313 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX044845.D

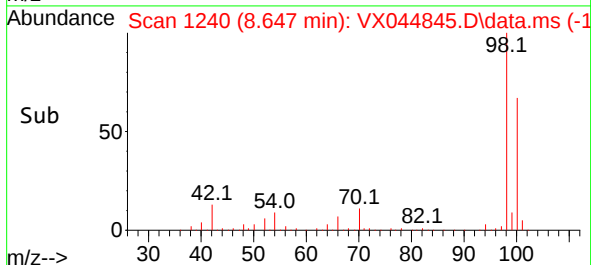
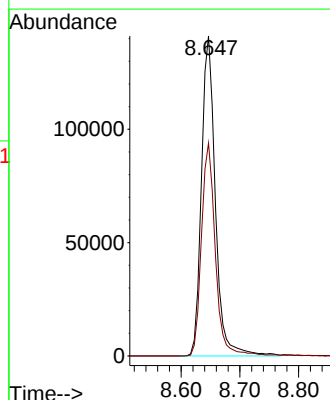
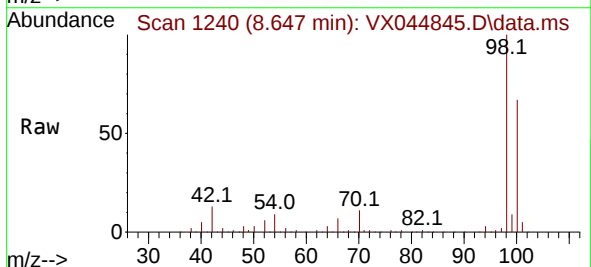
Acq: 05 Feb 2025 15:50

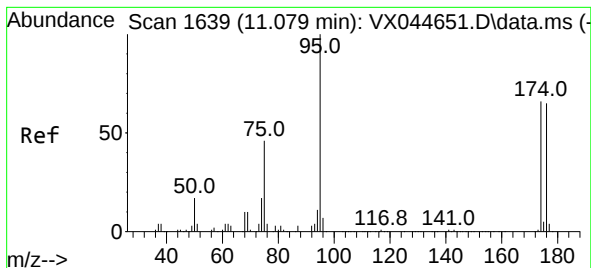
Tgt Ion: 98 Resp: 232018

Ion Ratio Lower Upper

98 100

100 66.9 53.2 79.8

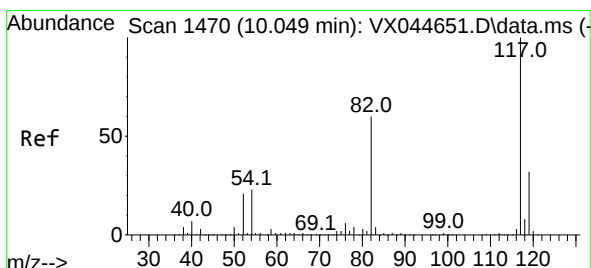
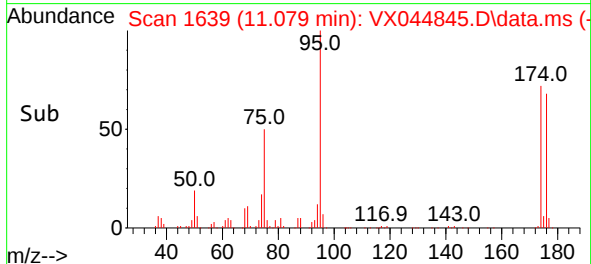
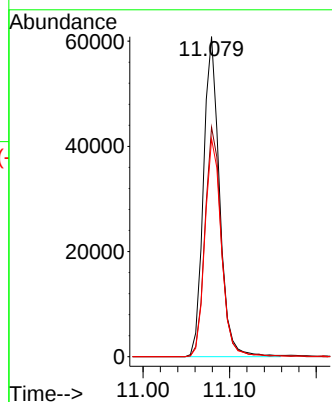
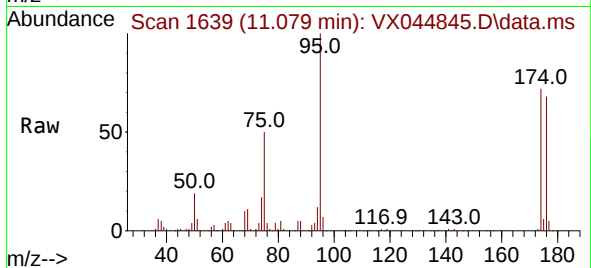




#62
4-Bromofluorobenzene
Concen: 48.306 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

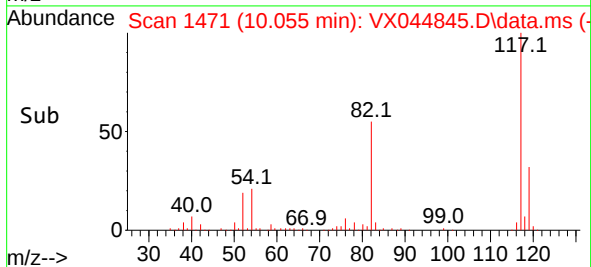
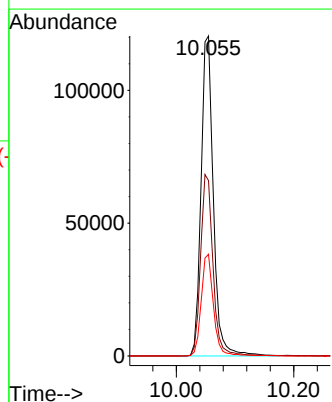
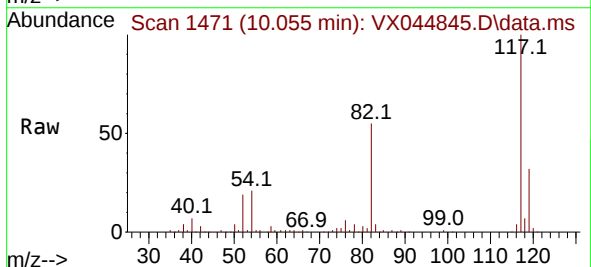
Instrument :
MSVOA_X
ClientSampleId :

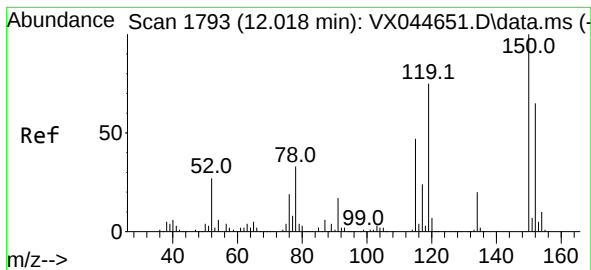
Tgt Ion: 95 Resp: 78371
Ion Ratio Lower Upper
95 100
174 72.8 0.0 133.0
176 70.3 0.0 129.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Tgt Ion: 117 Resp: 175358
Ion Ratio Lower Upper
117 100
82 54.8 47.6 71.4
119 31.8 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: VX044845.D

Acq: 05 Feb 2025 15:50

Instrument :

MSVOA_X

ClientSampleId :

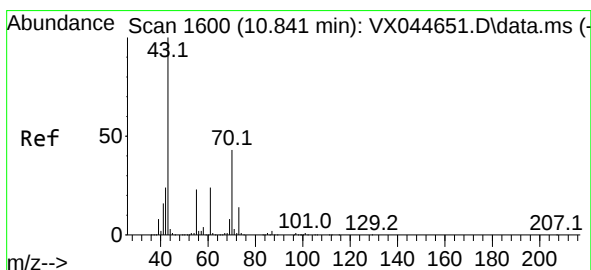
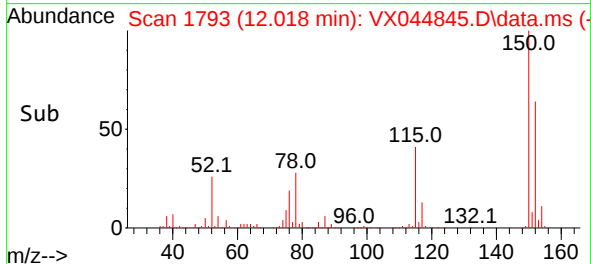
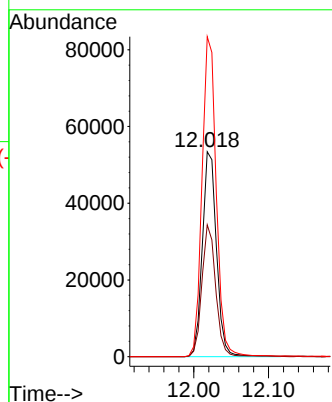
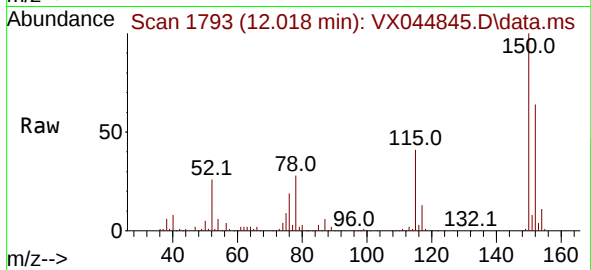
Tgt Ion:152 Resp: 70422

Ion Ratio Lower Upper

152 100

115 63.0 43.8 131.4

150 156.9 0.0 347.8



#74

N-ethyl acetate

Concen: 0.260 ug/l

RT: 10.860 min Scan# 1603

Delta R.T. 0.018 min

Lab File: VX044845.D

Acq: 05 Feb 2025 15:50

Tgt Ion: 43 Resp: 738

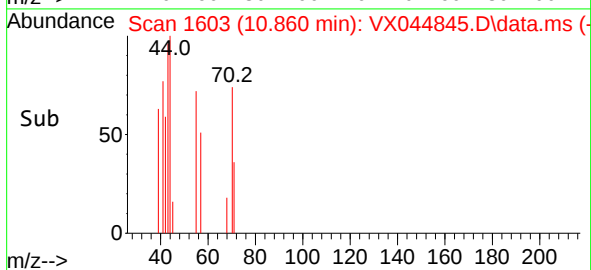
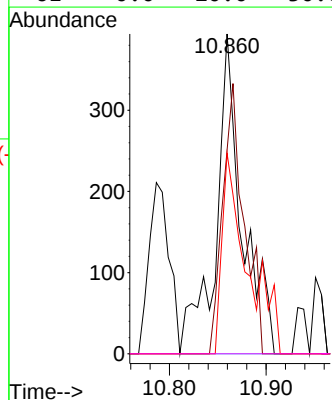
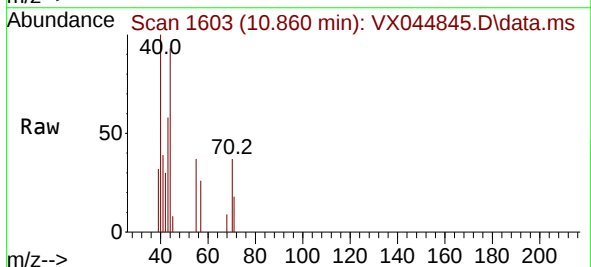
Ion Ratio Lower Upper

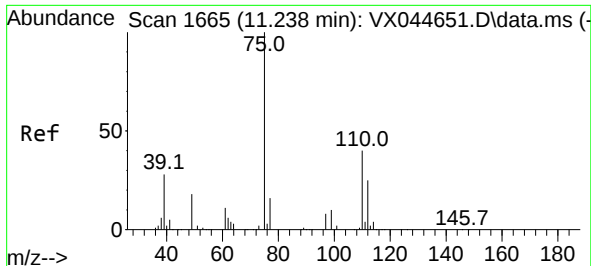
43 100

70 69.2 35.2 52.8#

55 47.6 19.0 28.4#

61 0.0 20.0 30.0#

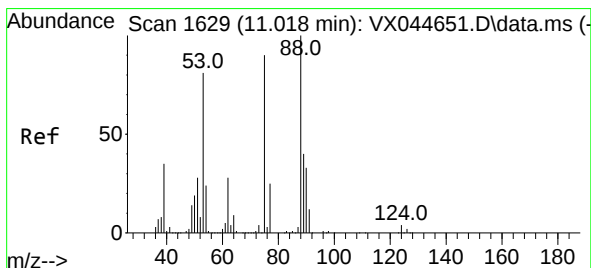
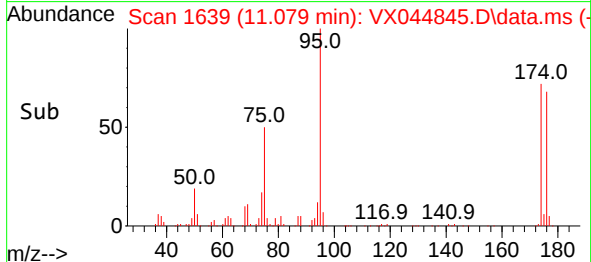
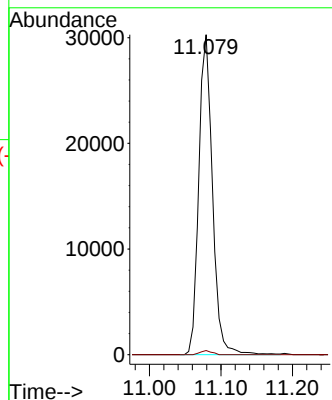
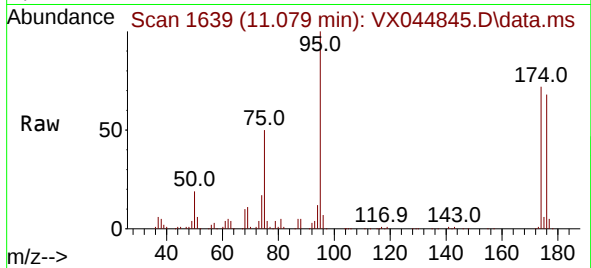




#76
1,2,3-Trichloropropane
Concen: 23.531 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 40216
Ion Ratio Lower Upper
75 100
77 1.1 23.4 70.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.813 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044845.D
Acq: 05 Feb 2025 15:50

Tgt Ion: 75 Resp: 40216
Ion Ratio Lower Upper
75 100
53 0.0 74.3 111.5#
89 0.0 37.4 56.0#

