

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
 Data File : VX044967.D
 Acq On : 14 Feb 2025 17:25
 Operator : JC/MD
 Sample : Q1363-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VFCC-2-021225

Quant Time: Feb 14 22:17:38 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)

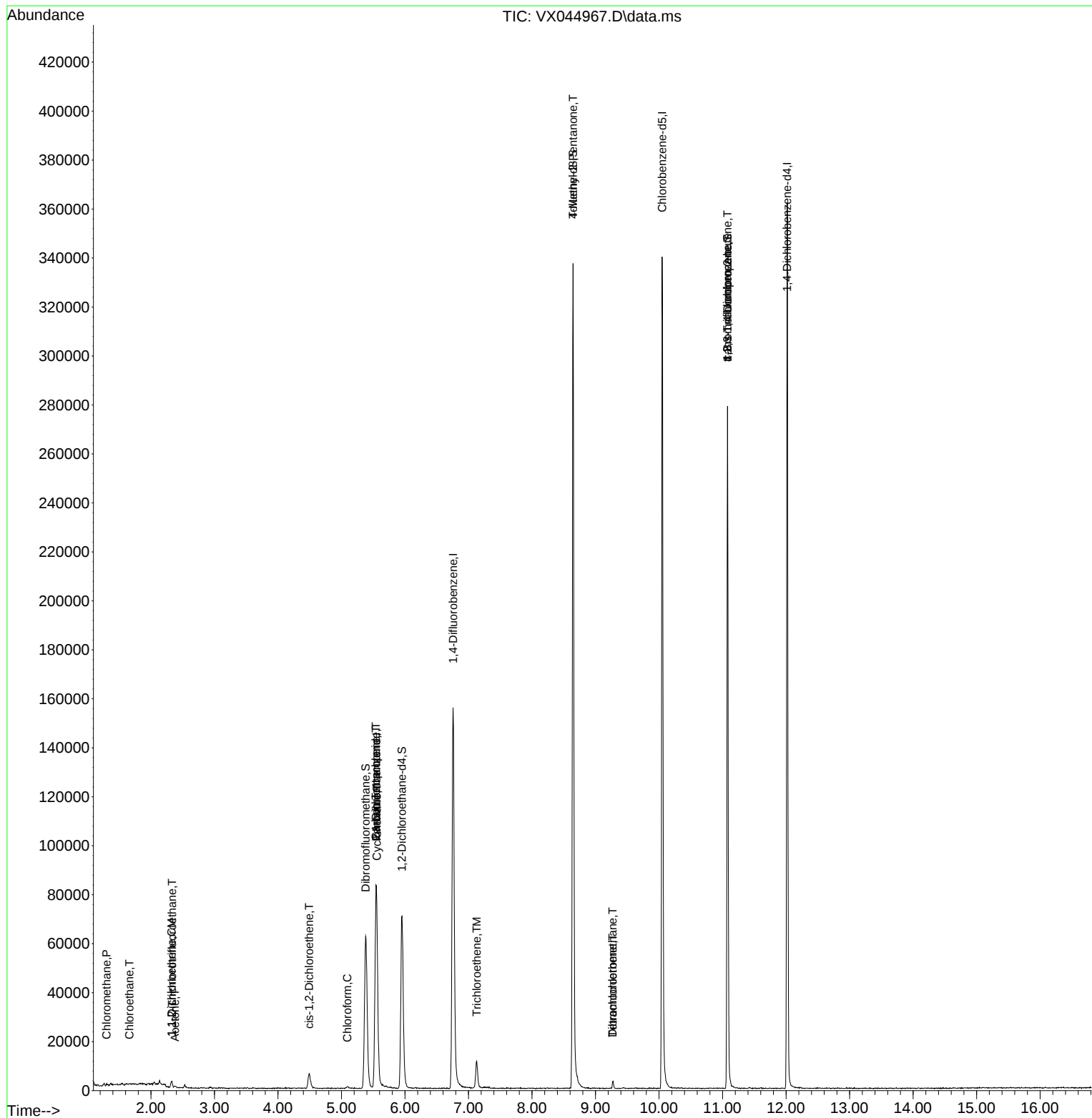
Internal Standards						
1) Pentafluorobenzene	5.550	168	78469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	163329	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	66539	57.928	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 115.860%		
35) Dibromofluoromethane	5.379	113	55153	51.938	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 103.880%		
50) Toluene-d8	8.647	98	205791	51.249	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.500%		
62) 4-Bromofluorobenzene	11.079	95	73777	54.500	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 109.000%		
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	411	0.307	ug/l	96
6) Chloroethane	1.660	64	125	1.540	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	2.331	101	772	0.779	ug/l	96
12) 1,1-Dichloroethene	2.325	96	386	0.382	ug/l #	79
16) Acetone	2.380	43	943	2.042	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	3763	3.147	ug/l	94
30) Chloroform	5.093	83	977	0.521	ug/l	98
31) Cyclohexane	5.556	56	1903	1.067	ug/l #	13
36) 1,1-Dichloropropene	5.544	75	7221	4.713	ug/l #	49
38) Carbon Tetrachloride	5.544	117	8669	5.774	ug/l #	17
44) Trichloroethene	7.129	130	4393	4.017	ug/l	100
51) 4-Methyl-2-Pentanone	8.647	43	1090	0.652	ug/l #	1
60) Dibromochloromethane	9.269	129	517	0.441	ug/l #	10
64) Tetrachloroethene	9.269	164	523	0.541	ug/l #	77
76) 1,2,3-Trichloropropane	11.079	75	38723	25.442	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	38723	65.448	ug/l #	11

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

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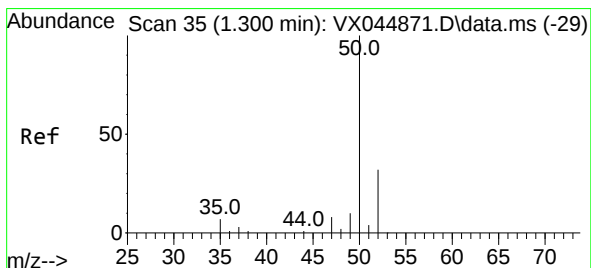
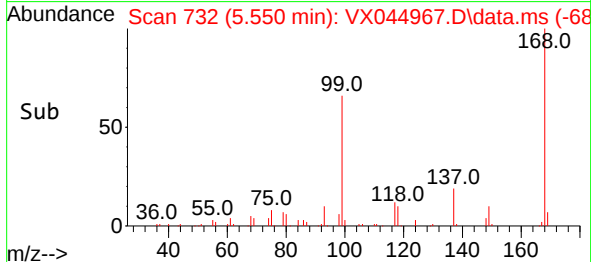
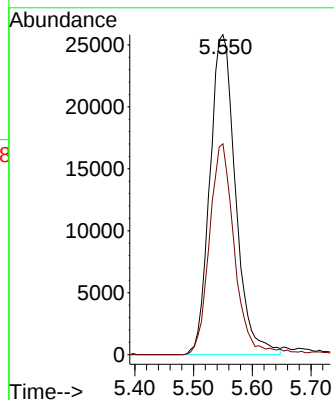
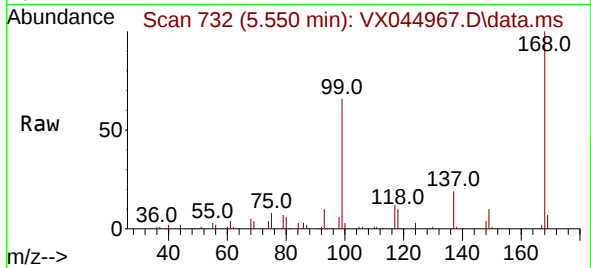




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

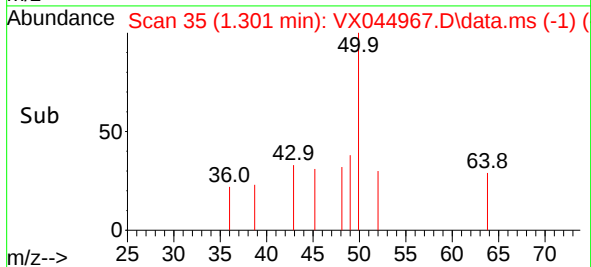
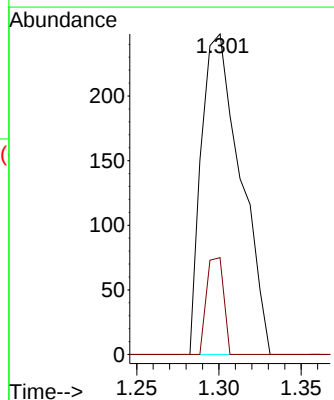
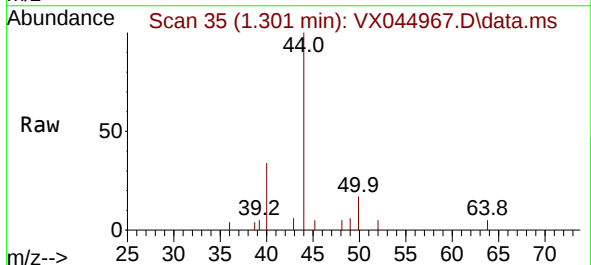
Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

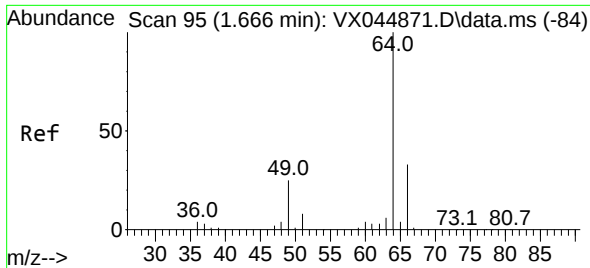
Tgt Ion:168 Resp: 78469
Ion Ratio Lower Upper
168 100
99 65.9 51.2 76.8



#3
Chloromethane
Concen: 0.307 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 30.2 25.9 38.9

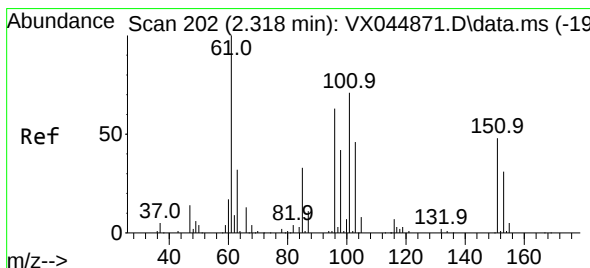
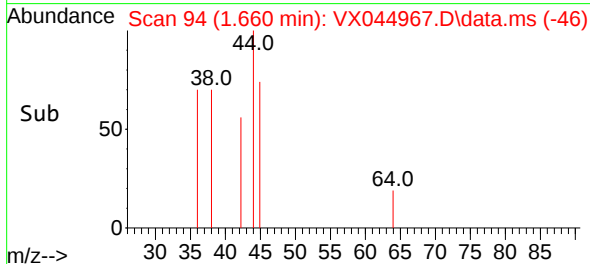
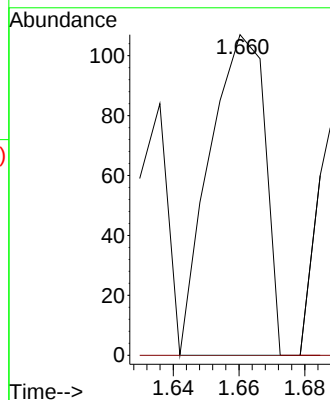
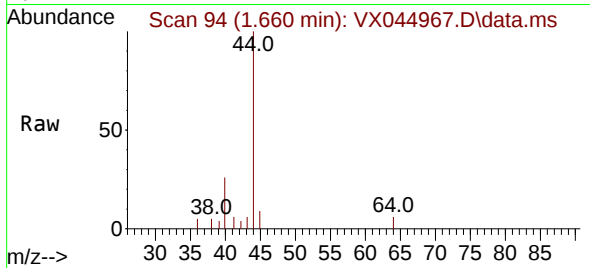




#6
Chloroethane
Concen: 1.540 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

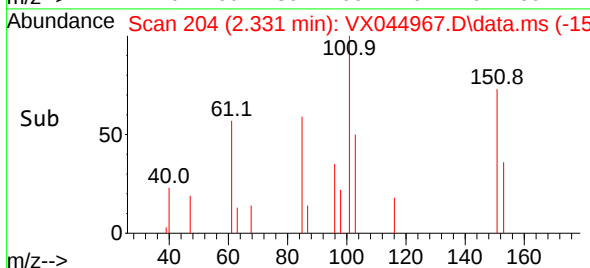
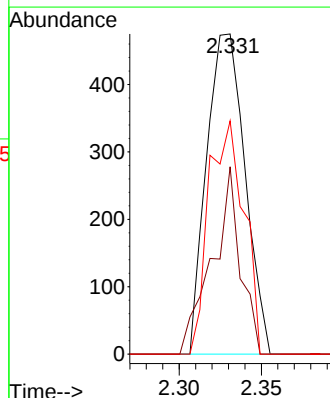
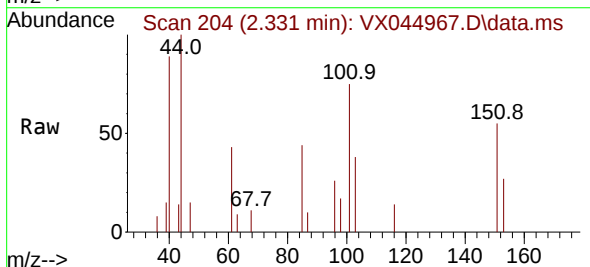
Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

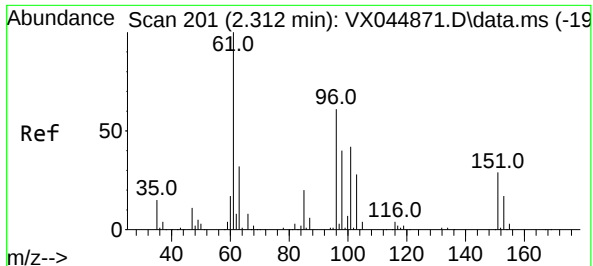
Tgt Ion: 64 Resp: 125
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.779 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.013 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion:101 Resp: 772
Ion Ratio Lower Upper
101 100
85 42.7 35.7 53.5
151 66.6 56.0 84.0





#12

1,1-Dichloroethene

Concen: 0.382 ug/l

RT: 2.325 min Scan# 201

Delta R.T. 0.013 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

VFCC-2-021225

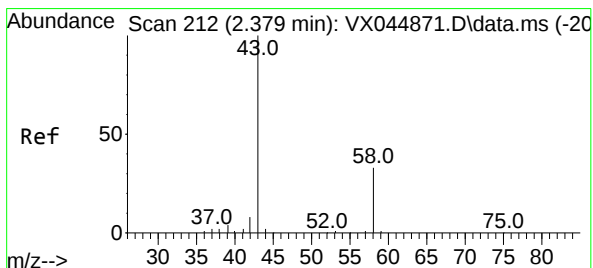
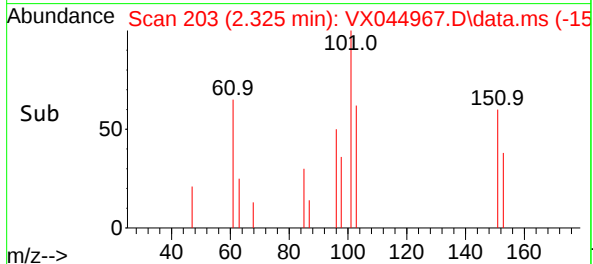
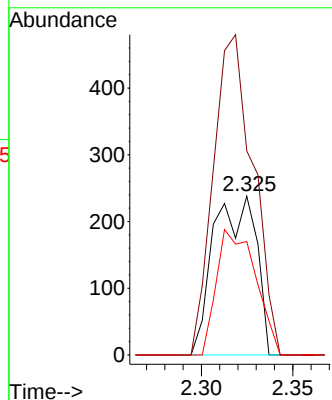
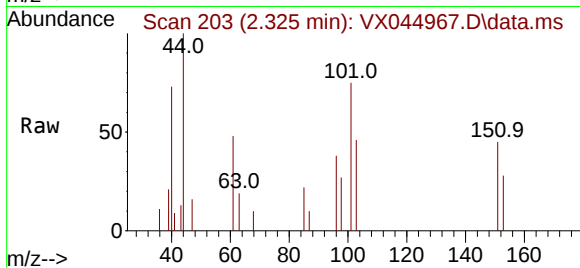
Tgt Ion: 96 Resp: 386

Ion Ratio Lower Upper

96 100

61 128.6 130.2 195.4#

98 71.4 52.2 78.4



#16

Acetone

Concen: 2.042 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044967.D

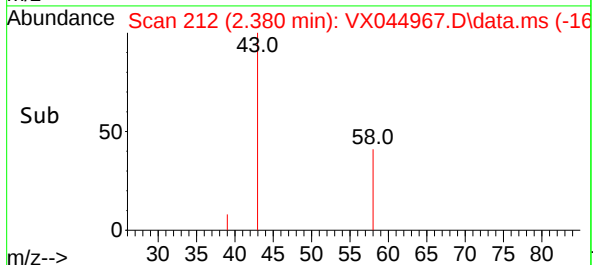
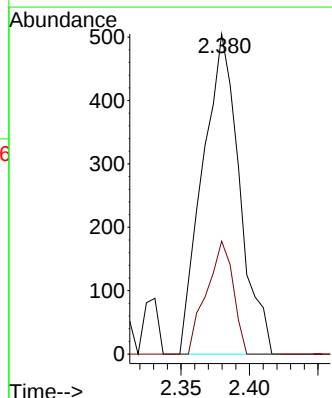
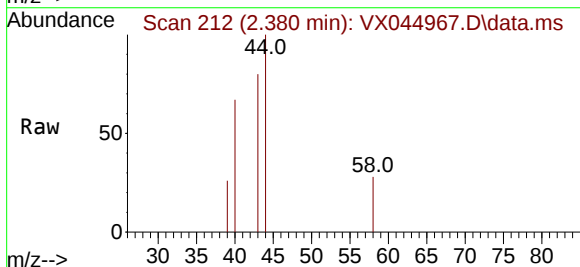
Acq: 14 Feb 2025 17:25

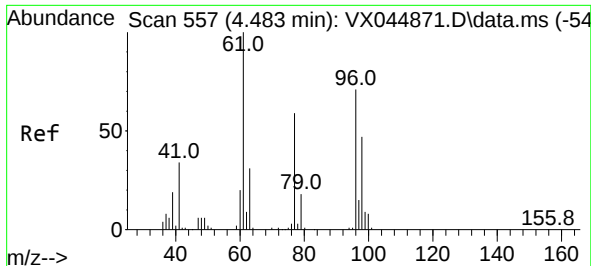
Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 35.2 26.5 39.7





#27

cis-1,2-Dichloroethene

Concen: 3.147 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

VFCC-2-021225

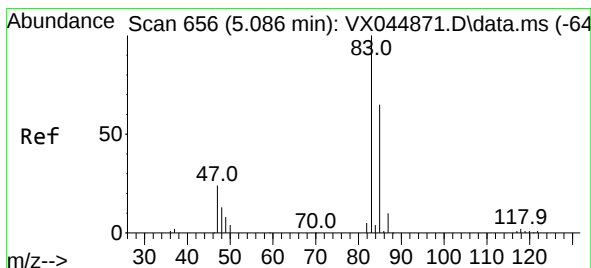
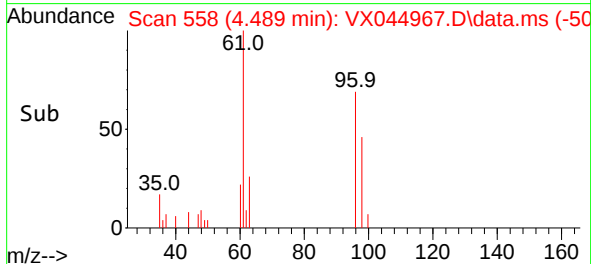
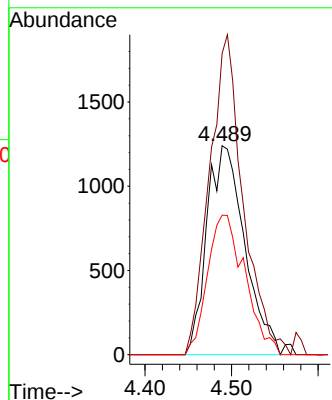
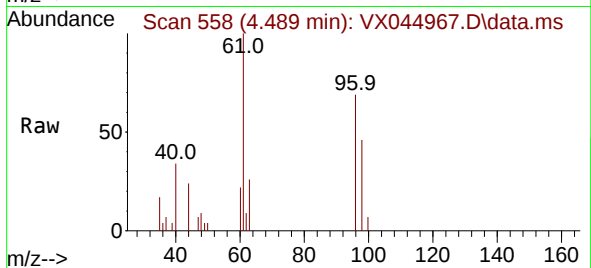
Tgt Ion: 96 Resp: 3763

Ion Ratio Lower Upper

96 100

61 136.2 0.0 294.0

98 66.2 0.0 131.2



#30

Chloroform

Concen: 0.521 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044967.D

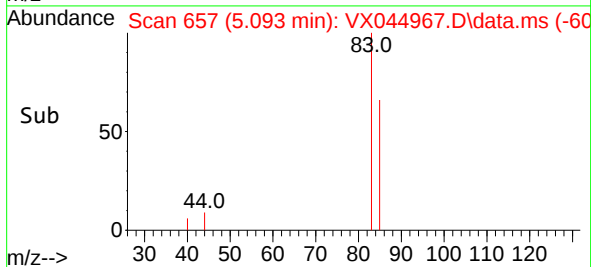
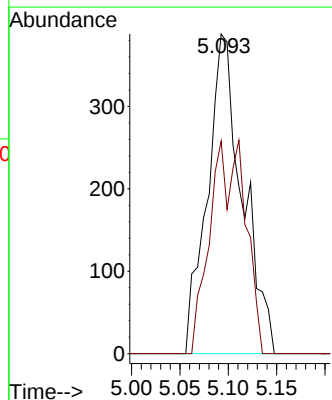
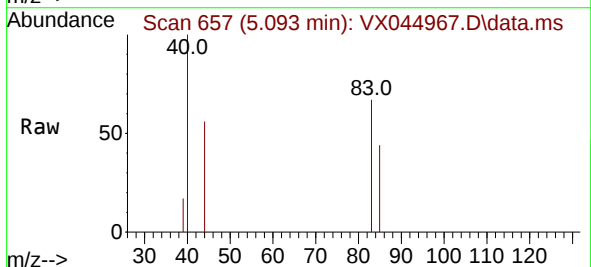
Acq: 14 Feb 2025 17:25

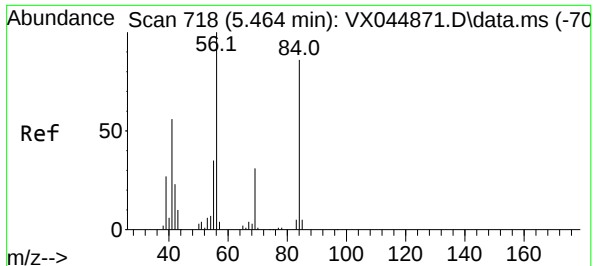
Tgt Ion: 83 Resp: 977

Ion Ratio Lower Upper

83 100

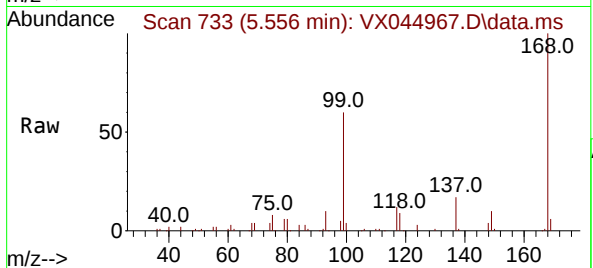
85 66.5 52.1 78.1



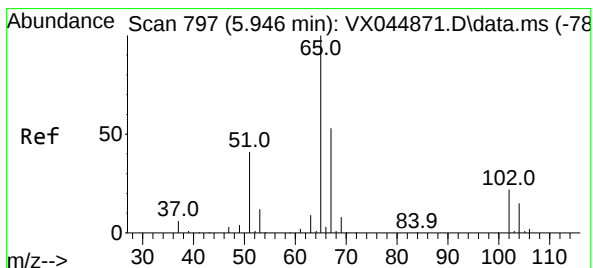
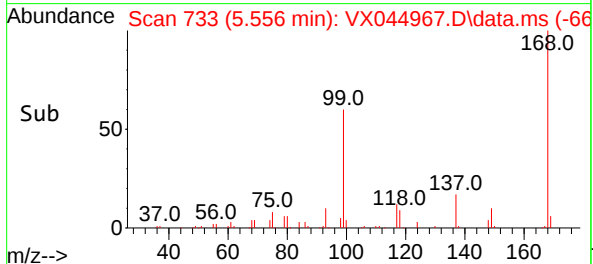
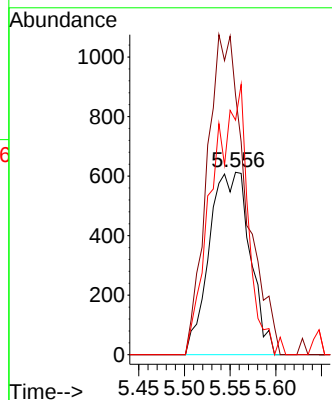


#31
Cyclohexane
Concen: 1.067 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

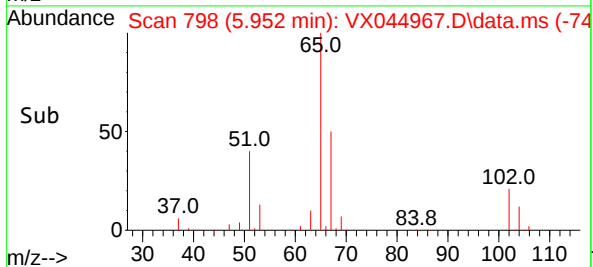
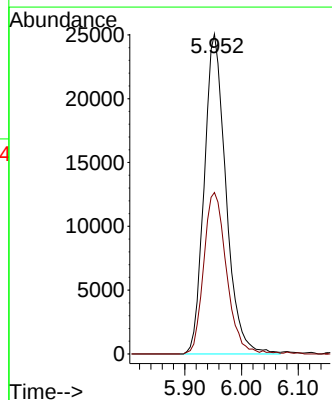
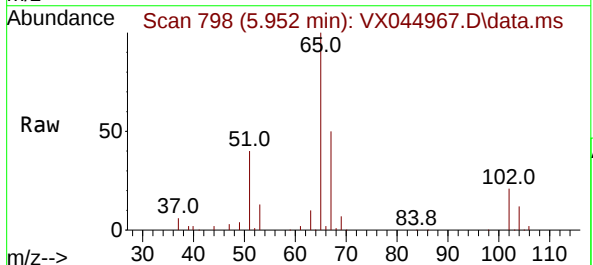


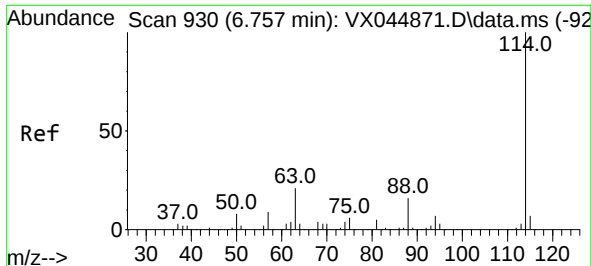
Tgt Ion: 56 Resp: 1903
Ion Ratio Lower Upper
56 100
69 142.3 24.4 36.6#
84 128.5 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 57.928 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 65 Resp: 66539
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.2

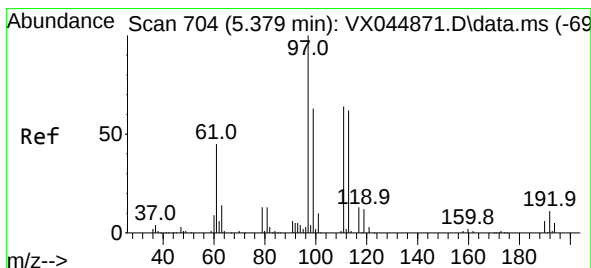
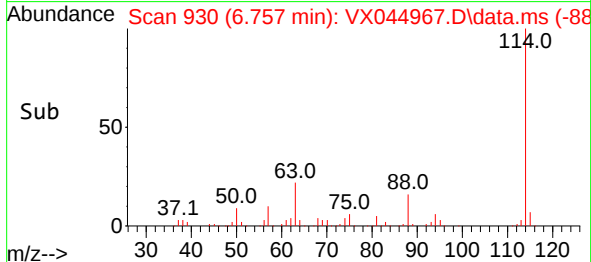
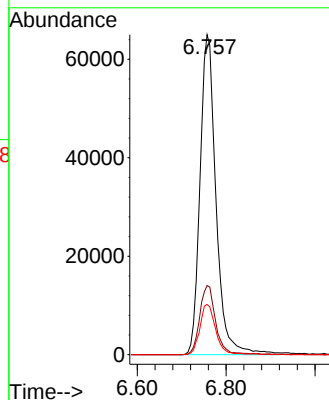
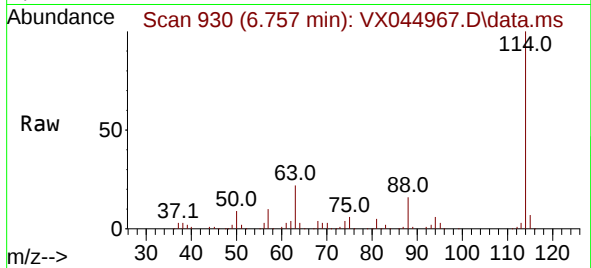




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

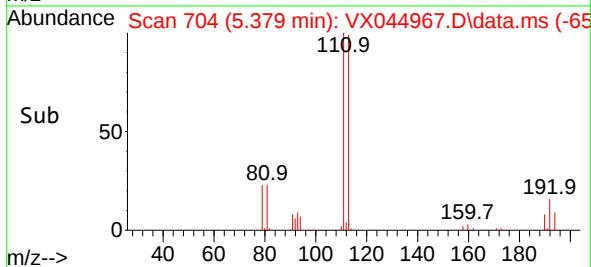
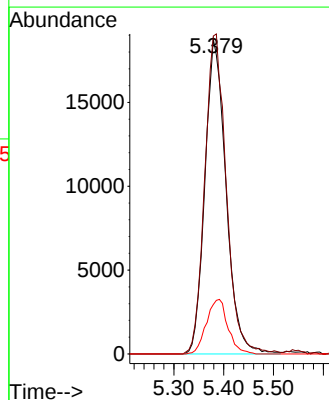
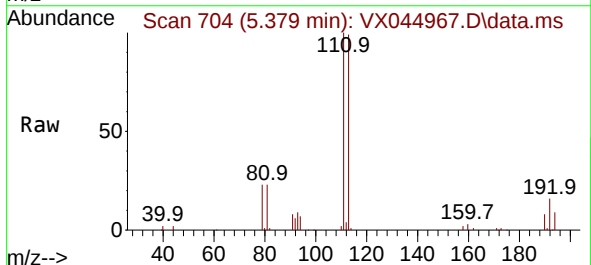
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MSVOA_X
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VFCC-2-021225

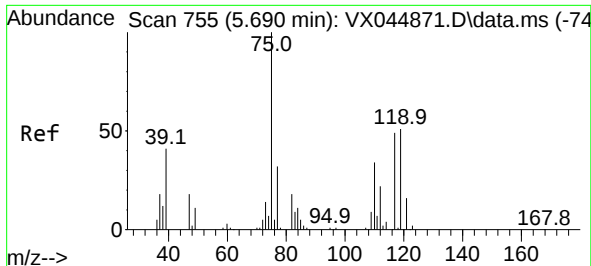
Tgt Ion:114 Resp: 163329
Ion Ratio Lower Upper
114 100
63 21.6 0.0 42.4
88 15.7 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.938 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion:113 Resp: 55153
Ion Ratio Lower Upper
113 100
111 103.3 83.5 125.3
192 17.6 14.4 21.6





#36

1,1-Dichloropropene

Concen: 4.713 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX044967.D

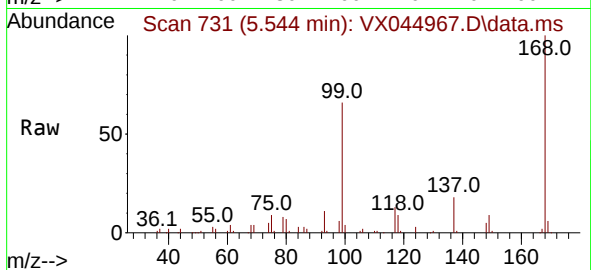
Acq: 14 Feb 2025 17:25

Instrument :

MSVOA_X

ClientSampleId :

VFCC-2-021225



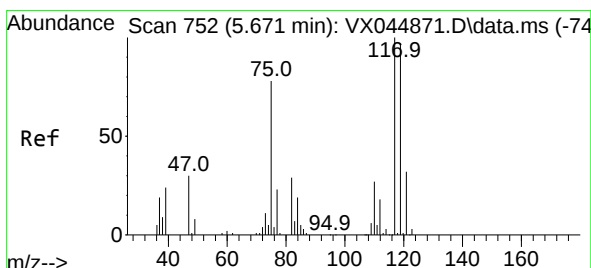
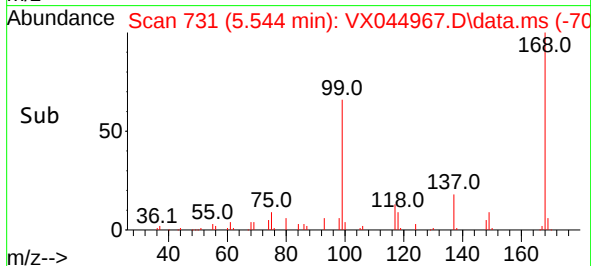
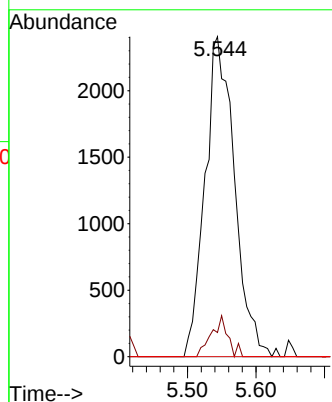
Tgt Ion: 75 Resp: 7221

Ion Ratio Lower Upper

75 100

110 7.2 17.2 51.6#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.774 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

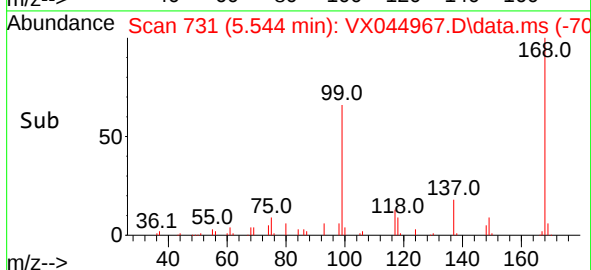
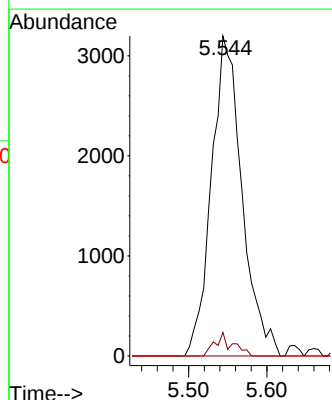
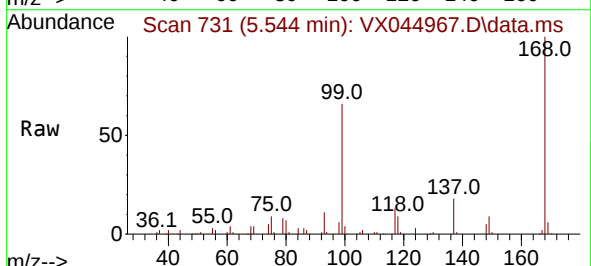
Tgt Ion: 117 Resp: 8669

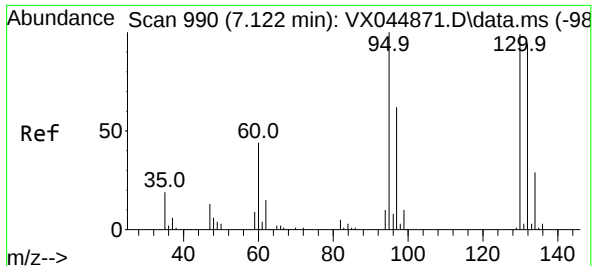
Ion Ratio Lower Upper

117 100

119 7.3 77.5 116.3#

121 0.0 25.6 38.4#

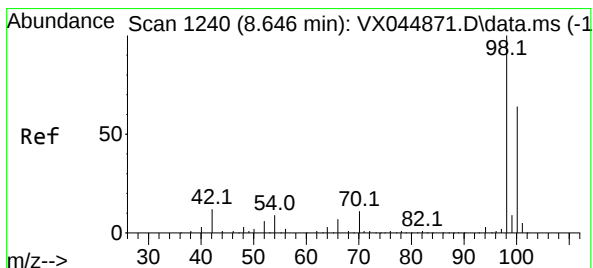
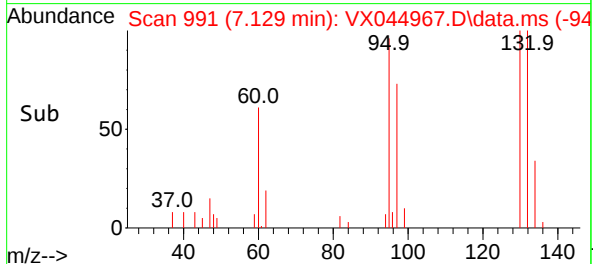
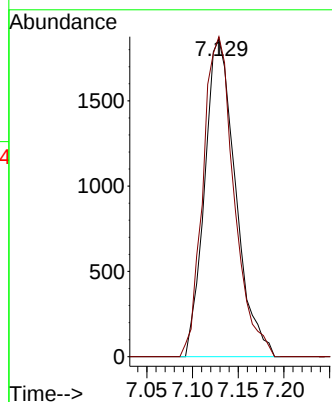
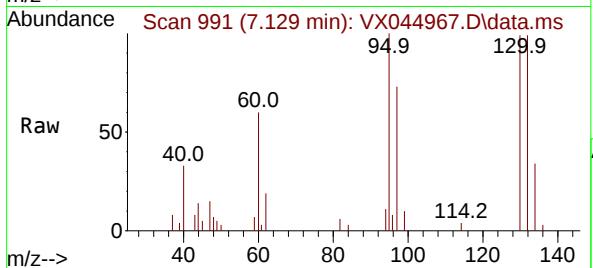




#44
Trichloroethene
Concen: 4.017 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

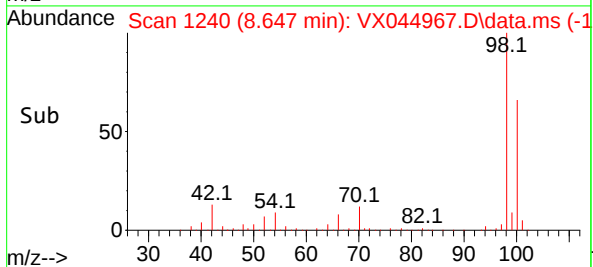
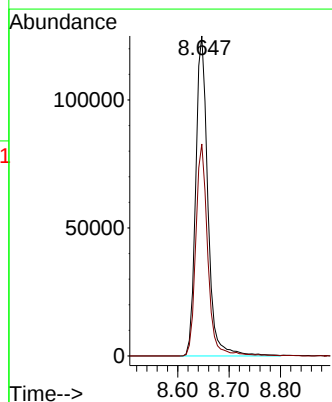
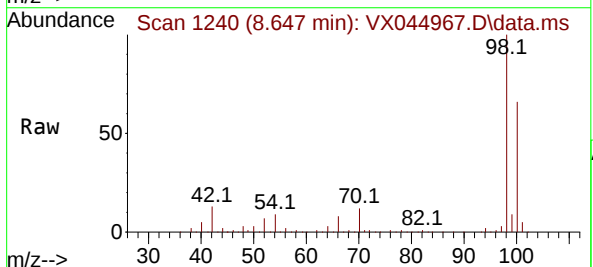
Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

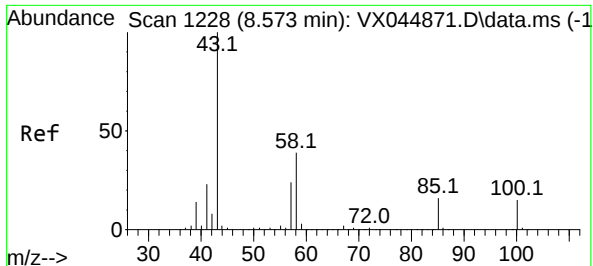
Tgt Ion:130 Resp: 4393
Ion Ratio Lower Upper
130 100
95 100.8 0.0 202.4



#50
Toluene-d8
Concen: 51.249 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 98 Resp: 205791
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

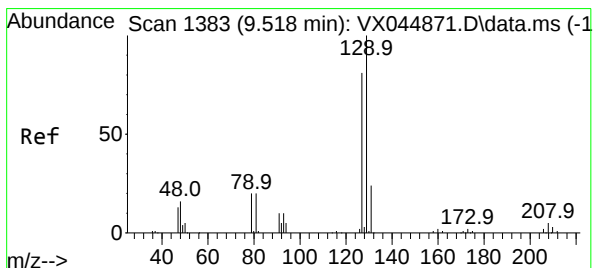
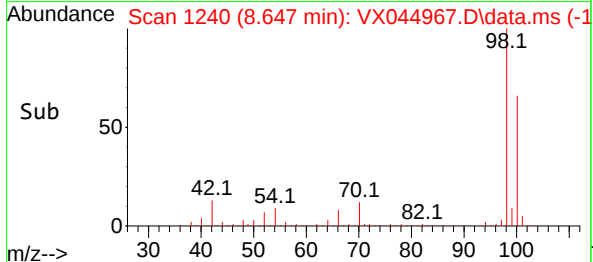
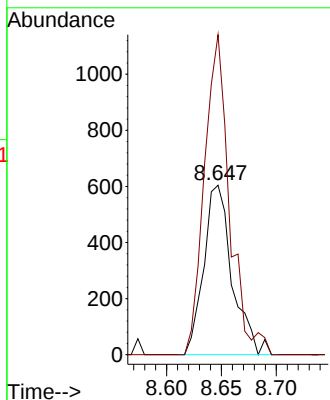
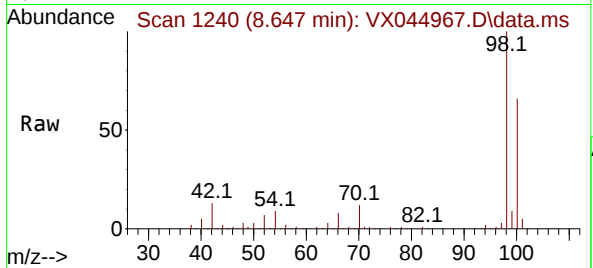




#51
4-Methyl-2-Pentanone
Concen: 0.652 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.074 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

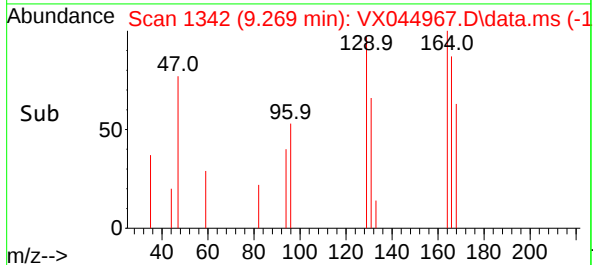
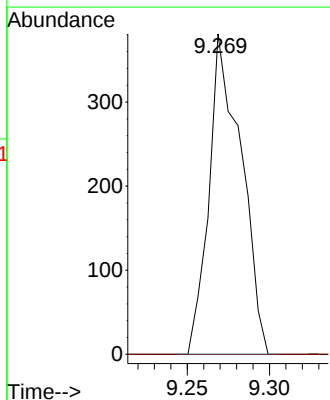
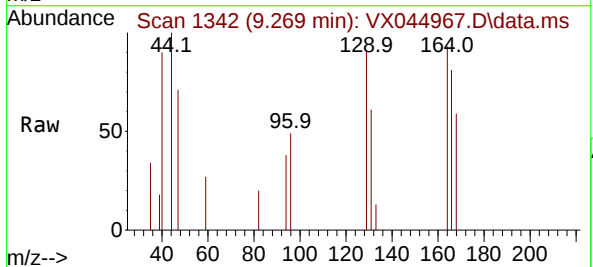
Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

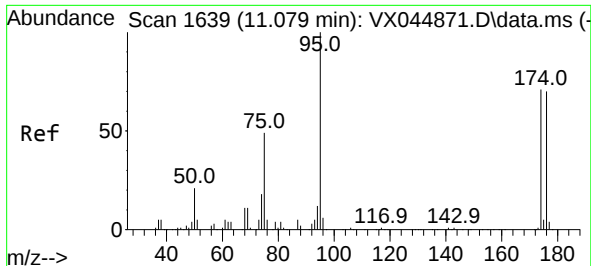
Tgt Ion: 43 Resp: 1090
Ion Ratio Lower Upper
43 100
58 167.5 30.8 46.2#



#60
Dibromochloromethane
Concen: 0.441 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 129 Resp: 517
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.3#

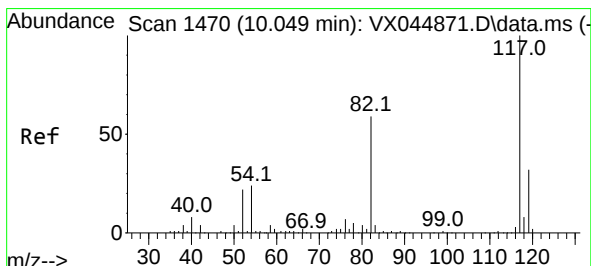
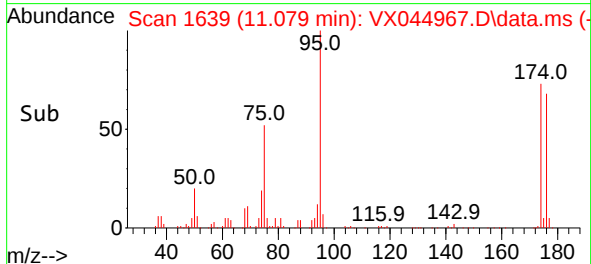
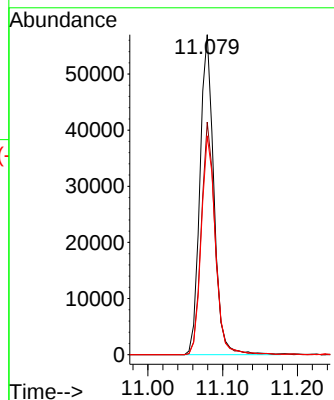
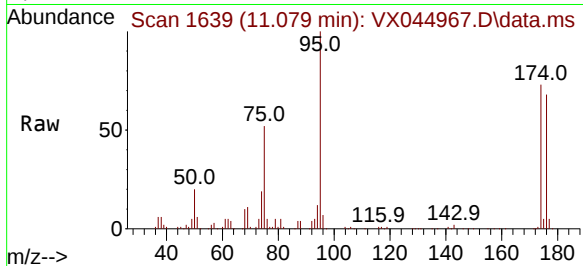




#62
4-Bromofluorobenzene
Concen: 54.500 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

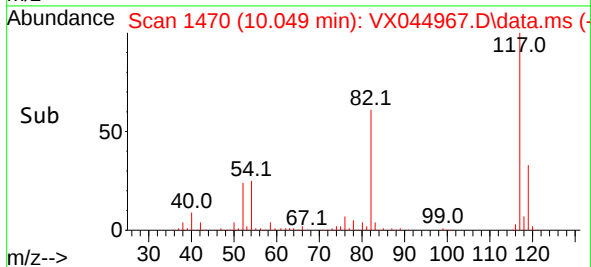
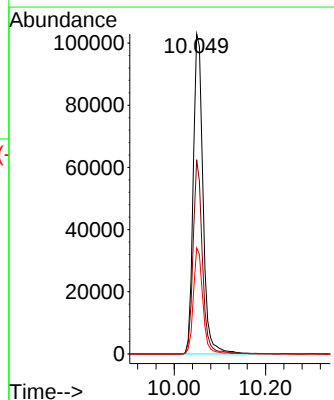
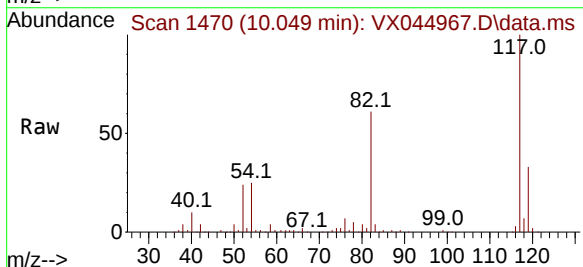
Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

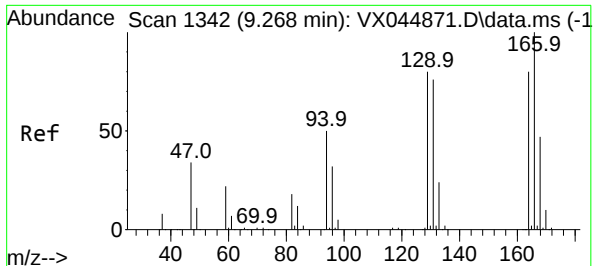
Tgt Ion: 95 Resp: 73777
Ion Ratio Lower Upper
95 100
174 72.0 0.0 142.6
176 69.9 0.0 141.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 117 Resp: 153346
Ion Ratio Lower Upper
117 100
82 60.7 47.5 71.3
119 33.2 25.4 38.0



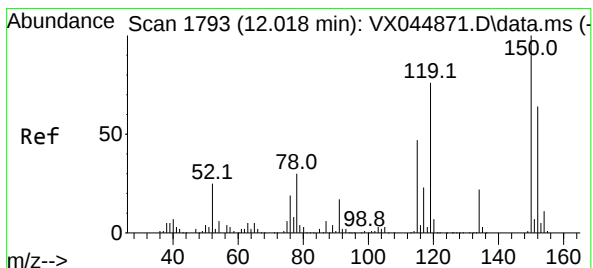
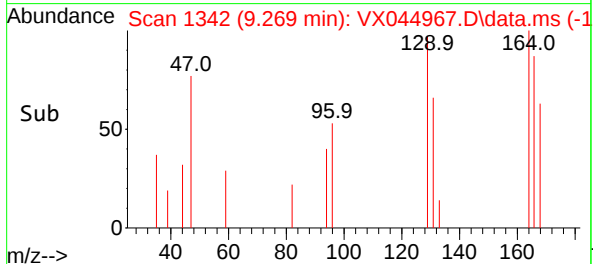
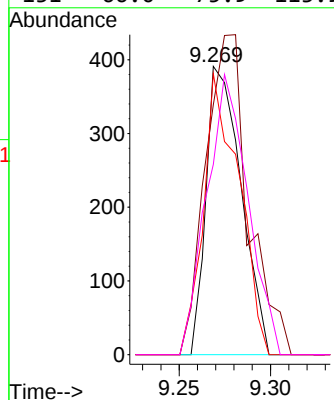
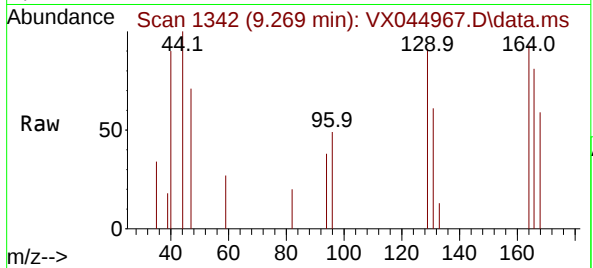


#64
Tetrachloroethene
Concen: 0.541 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

Tgt Ion:164 Resp: 523

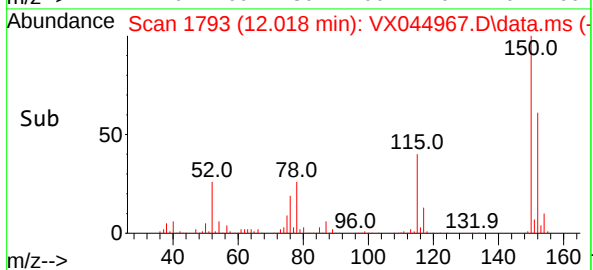
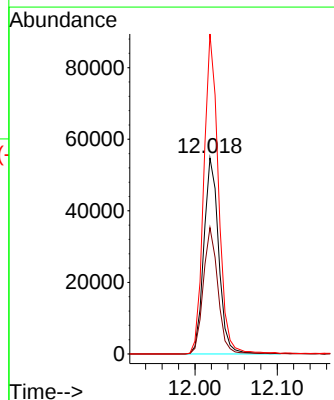
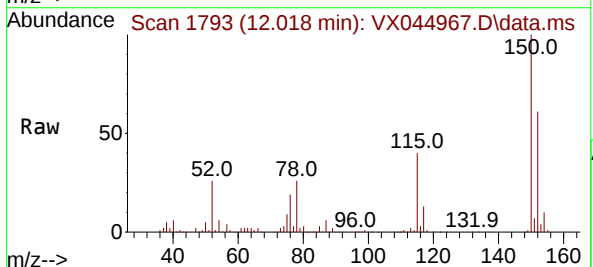
Ion	Ratio	Lower	Upper
164	100		
166	86.7	100.4	150.6#
129	97.4	79.9	119.9
131	66.0	75.9	113.9#

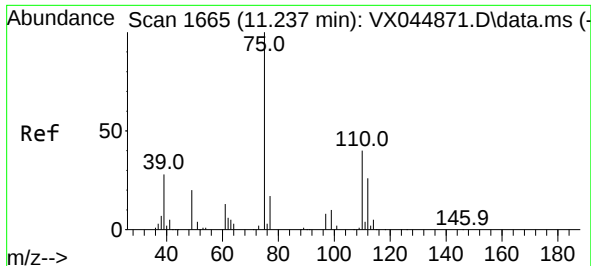


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion:152 Resp: 68646

Ion	Ratio	Lower	Upper
152	100		
115	63.6	43.4	130.1
150	161.5	0.0	350.4

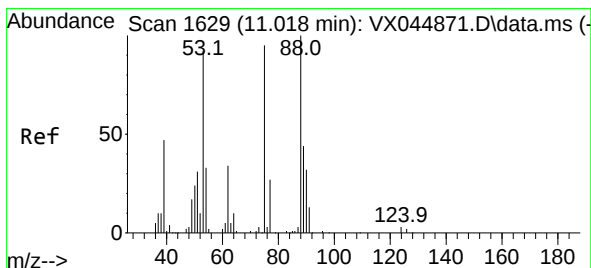
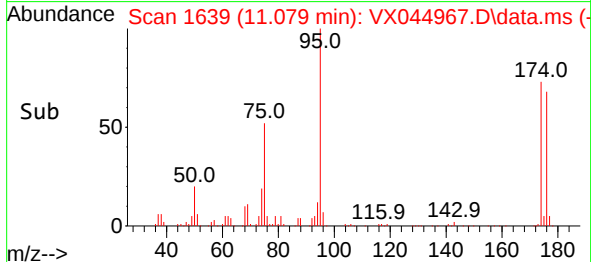
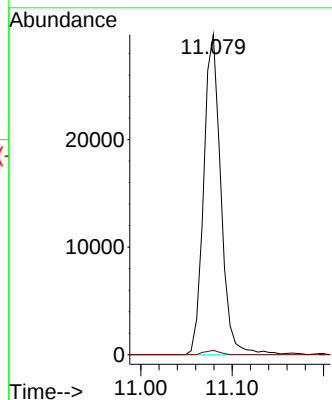
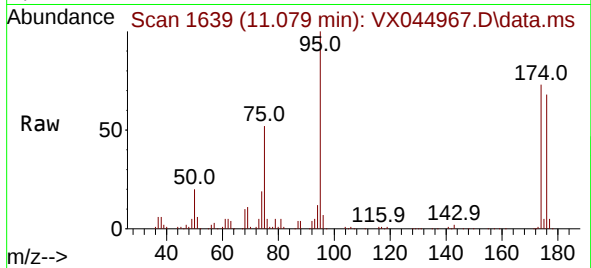




#76
1,2,3-Trichloropropane
Concen: 25.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
VFCC-2-021225

Tgt Ion: 75 Resp: 38723
Ion Ratio Lower Upper
75 100
77 1.2 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.448 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044967.D
Acq: 14 Feb 2025 17:25

Tgt Ion: 75 Resp: 38723
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 36.6 54.8#

