

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123124\
 Data File : VX044548.D
 Acq On : 30 Dec 2024 16:55
 Operator : JC/MD
 Sample : P5376-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB03-20241219

Quant Time: Dec 31 00:32:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	115183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	204066	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	179580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75638	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	87554	43.354	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.700%
35) Dibromofluoromethane	5.385	113	68991	48.814	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.620%
50) Toluene-d8	8.647	98	246454	51.687	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.380%
62) 4-Bromofluorobenzene	11.079	95	78904	47.358	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.720%

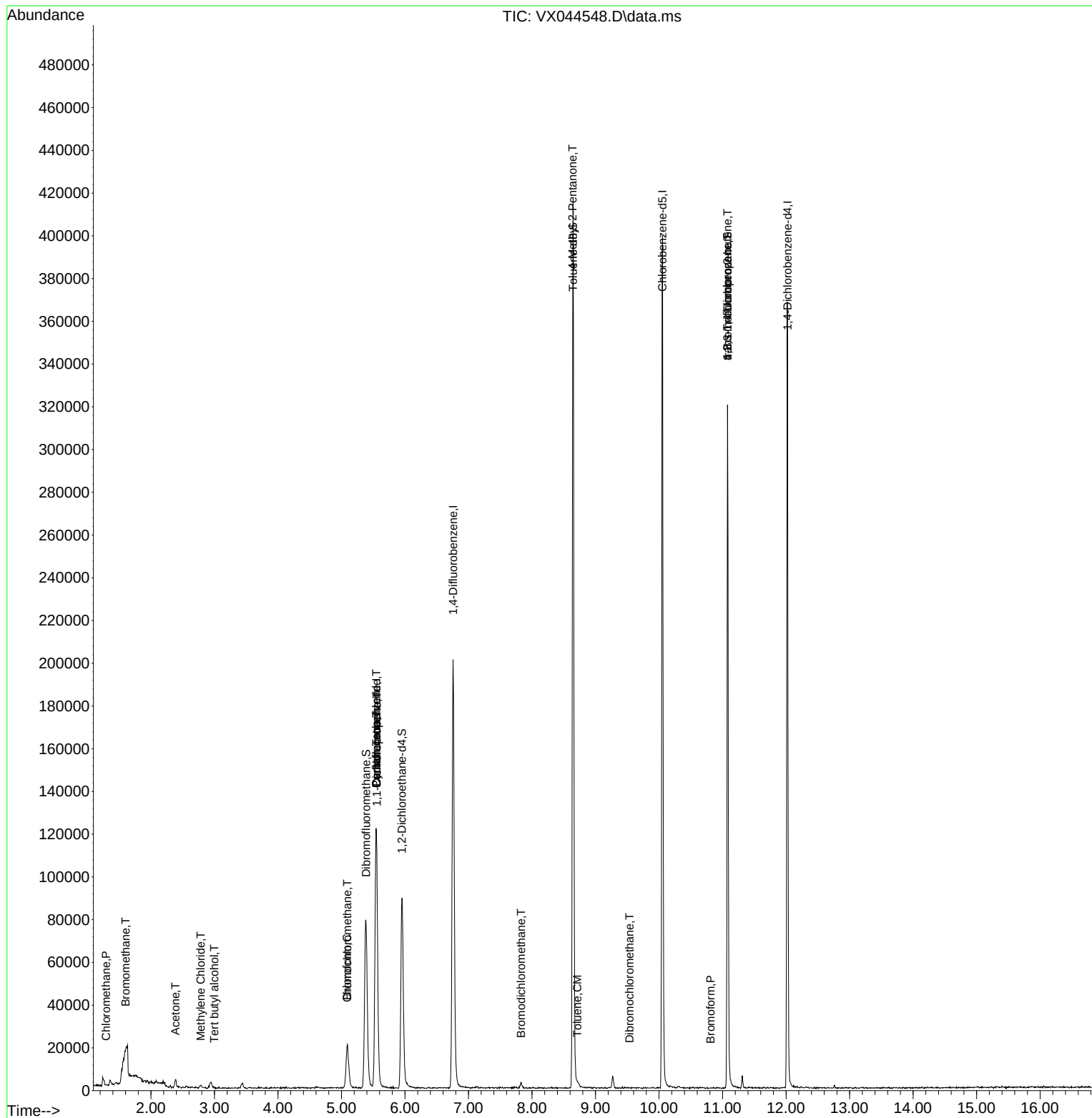
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.294	50	490	0.288	ug/l #	42
5) Bromomethane	1.599	94	450	0.357	ug/l #	51
11) Tert butyl alcohol	2.995	59	393	1.381	ug/l #	71
16) Acetone	2.386	43	4083	4.959	ug/l	92
20) Methylene Chloride	2.782	84	604	0.391	ug/l #	80
28) Bromochloromethane	5.093	49	1912	1.445	ug/l #	13
30) Chloroform	5.086	83	23973	7.905	ug/l	89
31) Cyclohexane	5.550	56	2898	1.330	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	9636	5.274	ug/l #	48
38) Carbon Tetrachloride	5.550	117	11820	6.010	ug/l #	17
47) Bromodichloromethane	7.830	83	1845	0.972	ug/l #	90
51) 4-Methyl-2-Pentanone	8.641	43	1047	0.461	ug/l #	1
52) Toluene	8.714	92	726	0.208	ug/l	97
60) Dibromochloromethane	9.537	129	23	1.247	ug/l #	11
71) Bromoform	10.811	173	60	1.305	ug/l #	29
76) 1,2,3-Trichloropropane	11.079	75	43142	25.546	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	43142	70.613	ug/l #	4

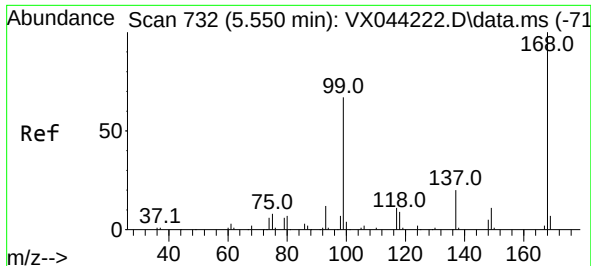
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 31 00:32:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
Quant Title : SW846 8260
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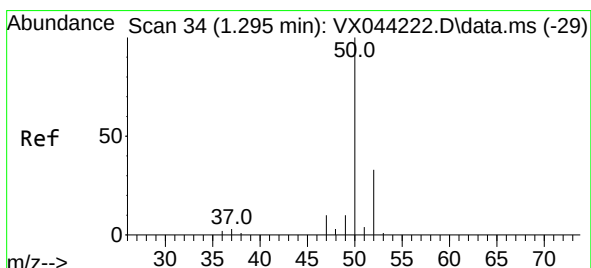
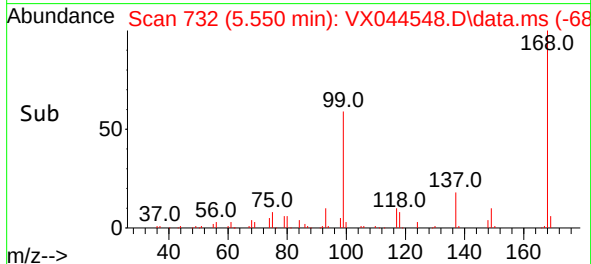
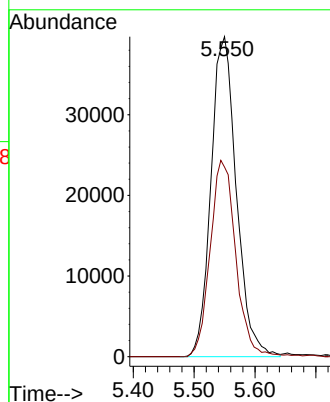
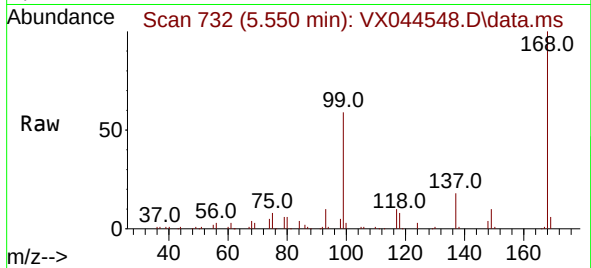




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

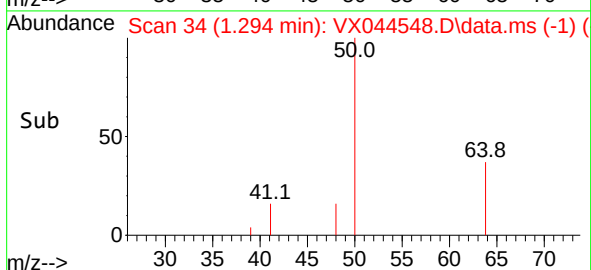
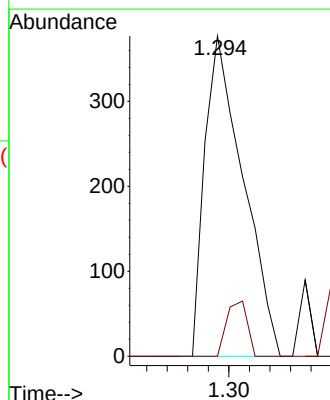
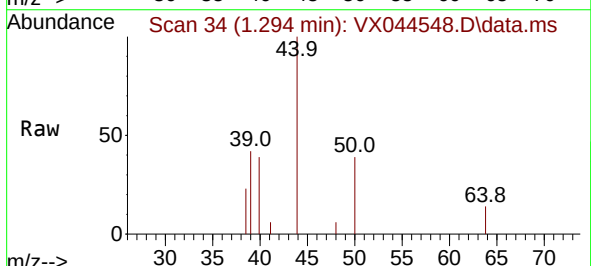
Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

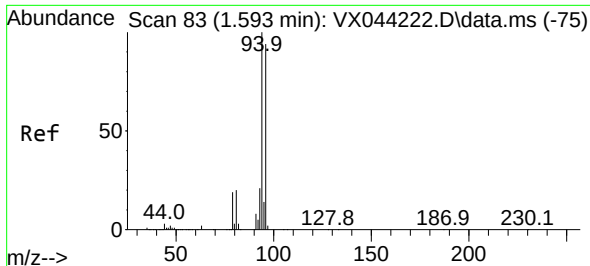
Tgt Ion:168 Resp: 115183
Ion Ratio Lower Upper
168 100
99 59.3 53.4 80.0



#3
Chloromethane
Concen: 0.288 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion: 50 Resp: 490
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

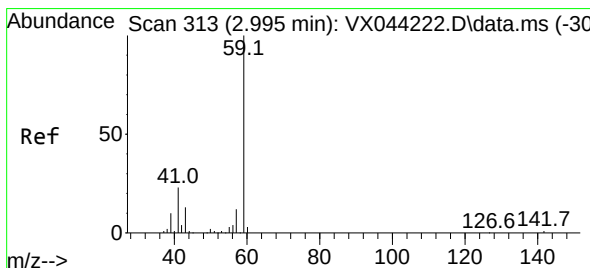
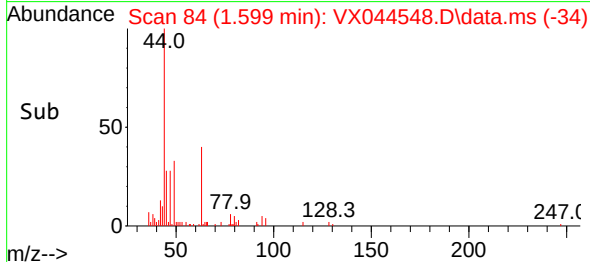
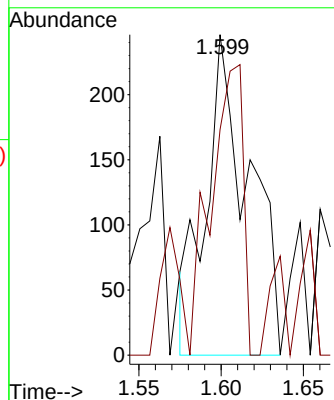
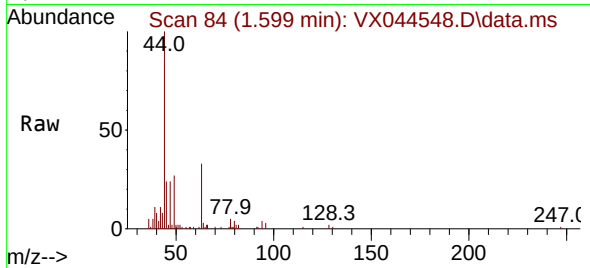




#5
Bromomethane
Concen: 0.357 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

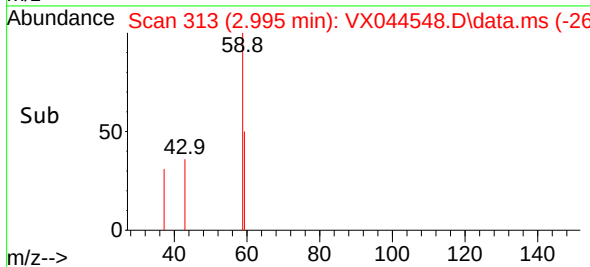
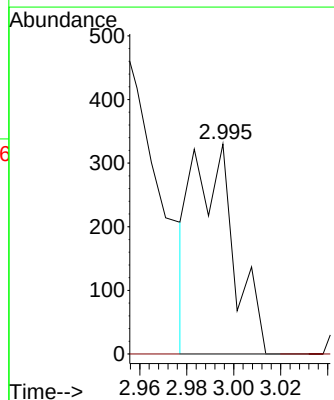
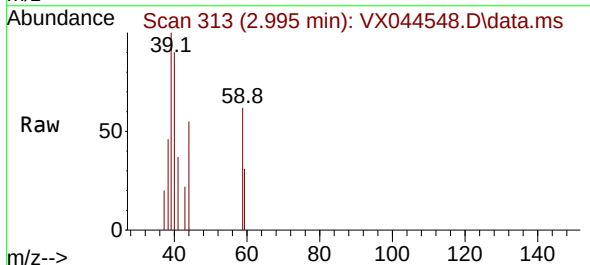
Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

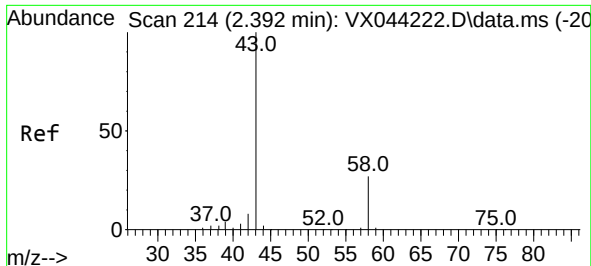
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 46.7 74.9 112.3#



#11
Tert butyl alcohol
Concen: 1.381 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion: 59 Resp: 393
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

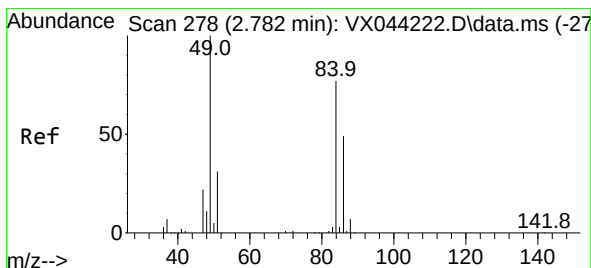
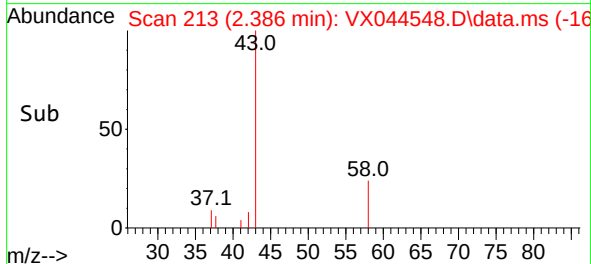
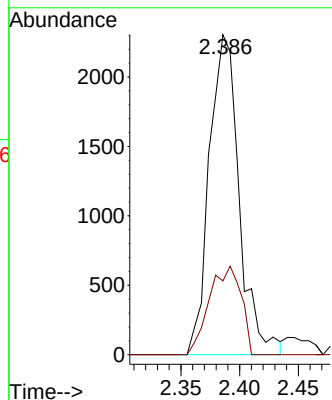
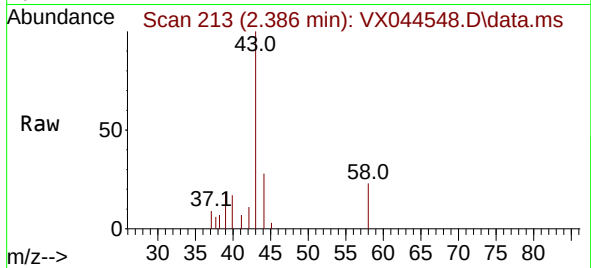




#16
Acetone
Concen: 4.959 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

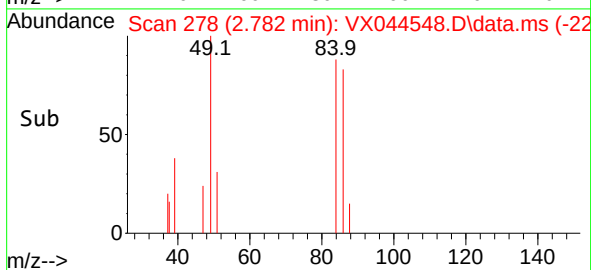
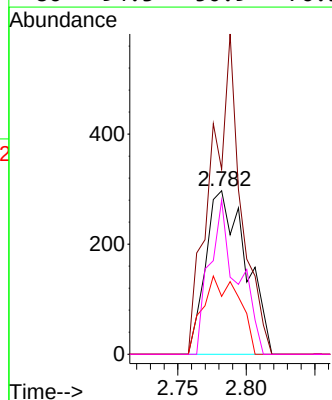
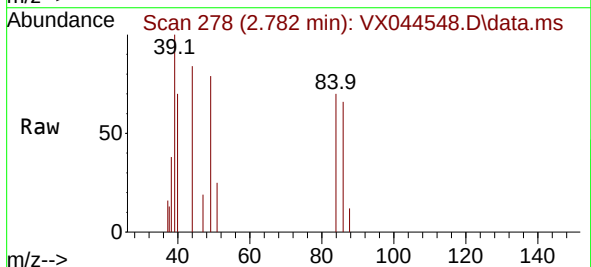
Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

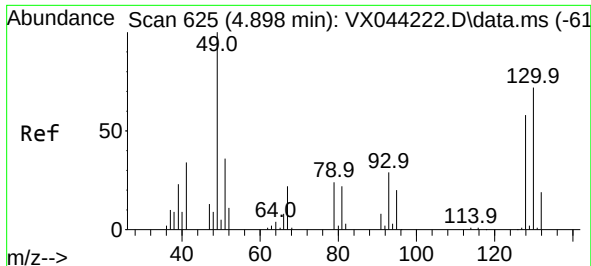
Tgt Ion: 43 Resp: 4083
Ion Ratio Lower Upper
43 100
58 23.1 21.6 32.4



#20
Methylene Chloride
Concen: 0.391 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion: 84 Resp: 604
Ion Ratio Lower Upper
84 100
49 113.1 104.2 156.4
51 35.4 32.2 48.4
86 94.3 50.9 76.3#

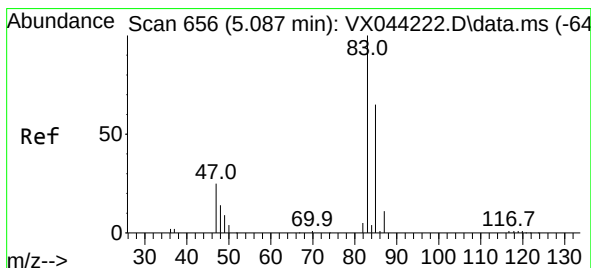
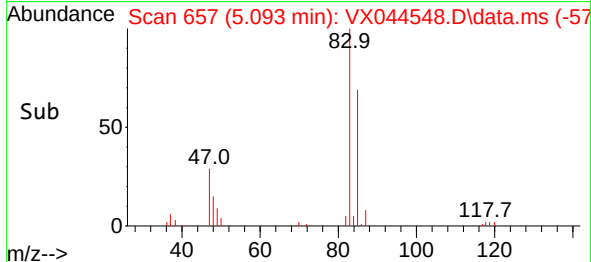
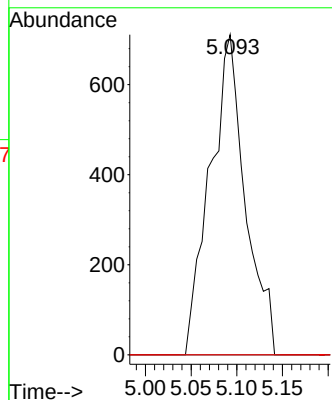
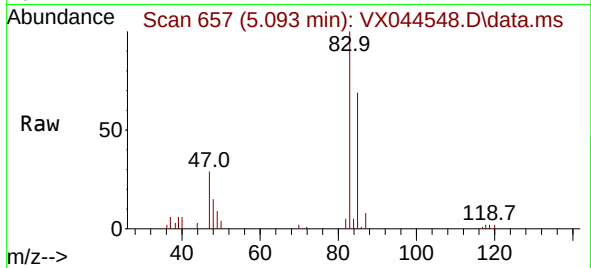




#28
 Bromochloromethane
 Concen: 1.445 ug/l
 RT: 5.093 min Scan# 61
 Delta R.T. 0.195 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

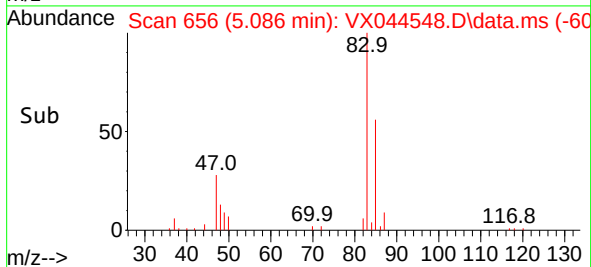
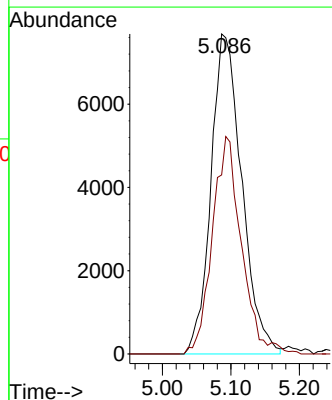
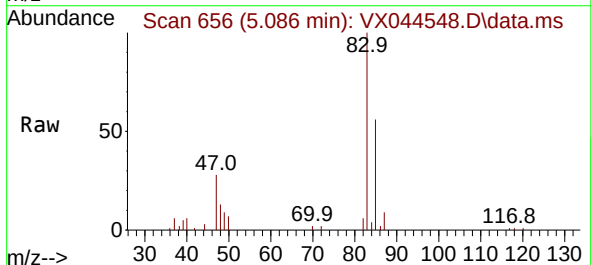
Instrument :
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 ClientSampleId :
 FB03-20241219

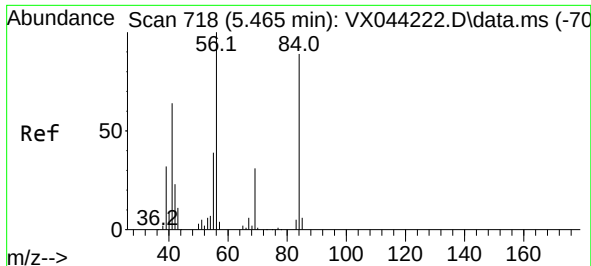
Tgt Ion: 49 Resp: 1912
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.2
 130 0.0 62.1 93.1#



#30
 Chloroform
 Concen: 7.905 ug/l
 RT: 5.086 min Scan# 656
 Delta R.T. -0.000 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

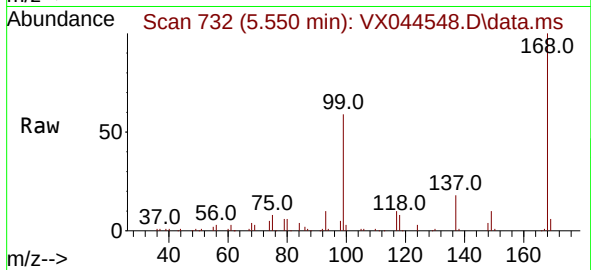
Tgt Ion: 83 Resp: 23973
 Ion Ratio Lower Upper
 83 100
 85 56.0 51.6 77.4



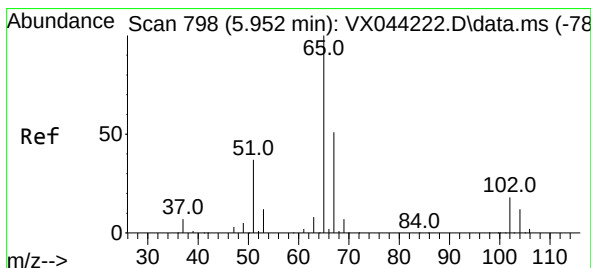
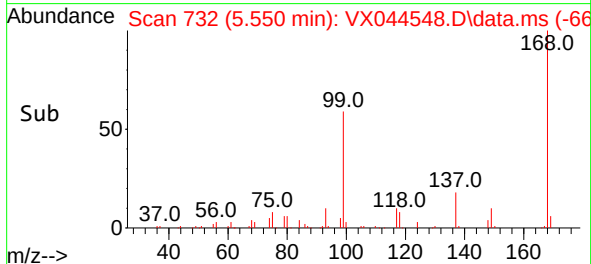
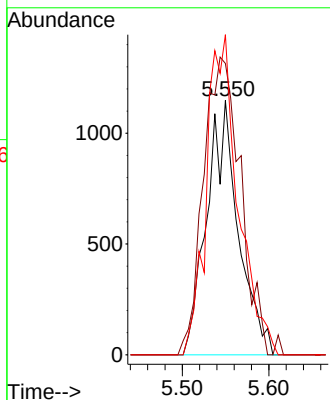


#31
Cyclohexane
Concen: 1.330 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

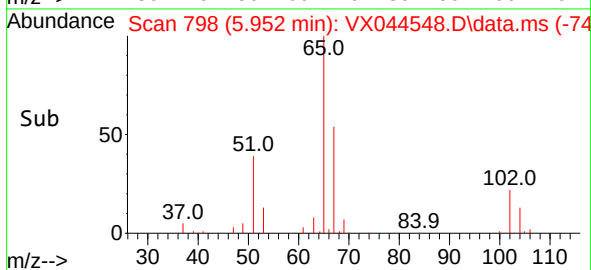
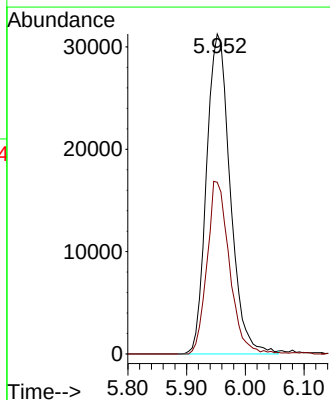
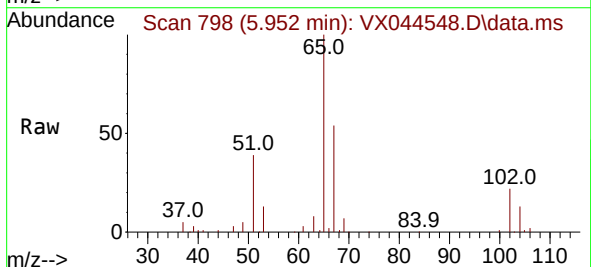


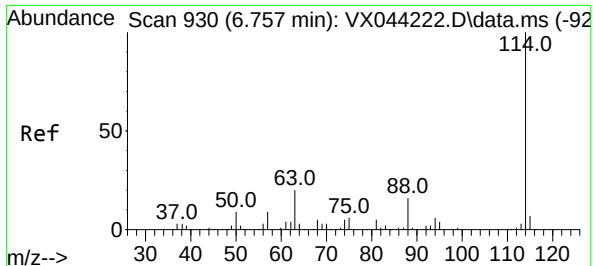
Tgt Ion: 56 Resp: 2898
Ion Ratio Lower Upper
56 100
69 114.5 24.7 37.1#
84 125.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 43.354 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion: 65 Resp: 87554
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.6

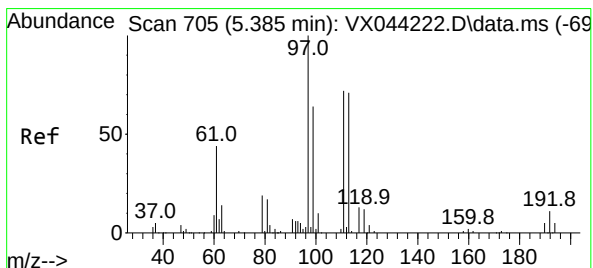
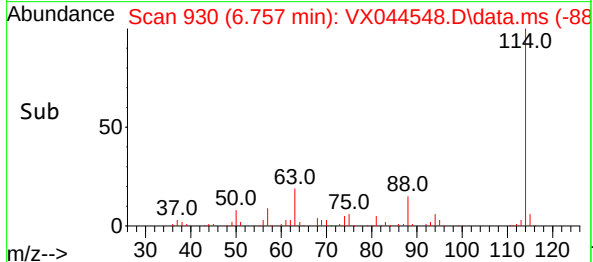
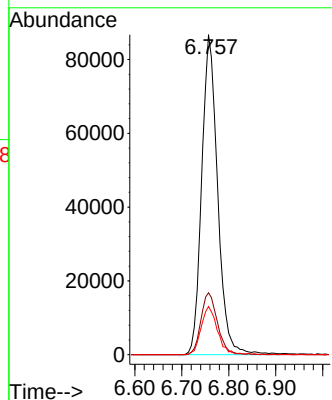
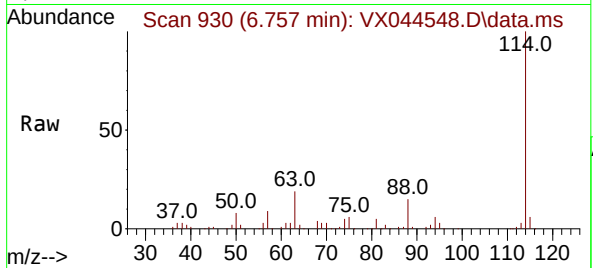




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

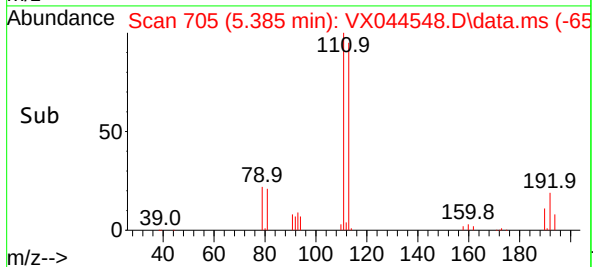
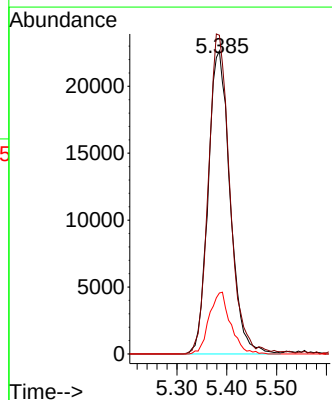
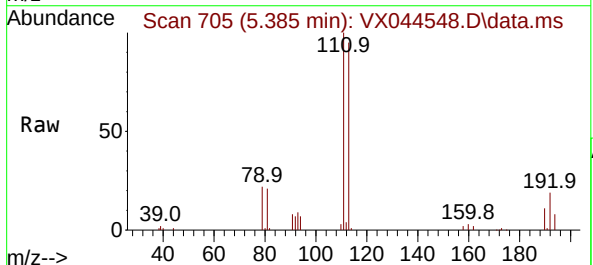
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FB03-20241219

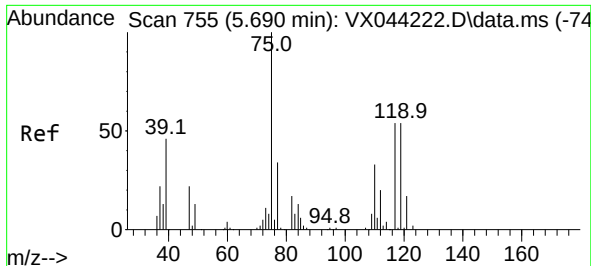
Tgt Ion:114 Resp: 204066
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.6
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.814 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion:113 Resp: 68991
Ion Ratio Lower Upper
113 100
111 103.8 80.4 120.6
192 19.9 13.3 19.9

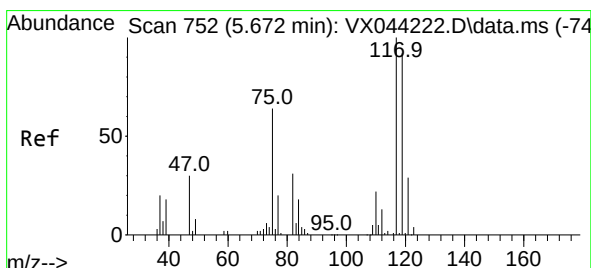
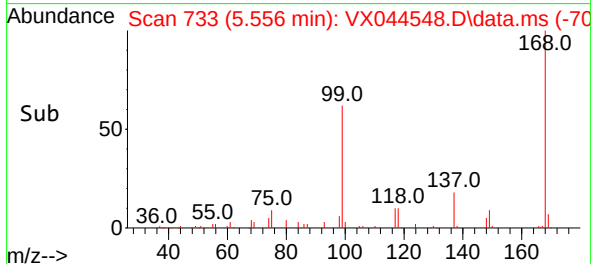
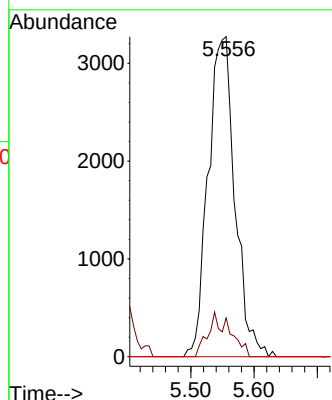
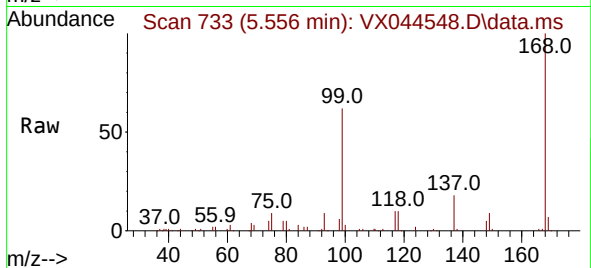




#36
1,1-Dichloropropene
Concen: 5.274 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

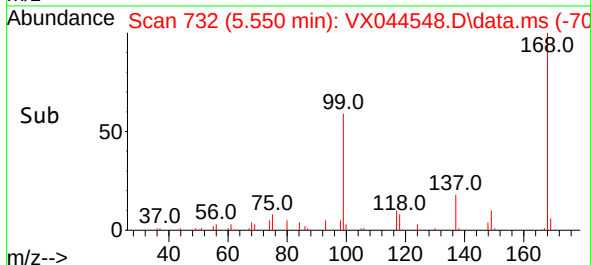
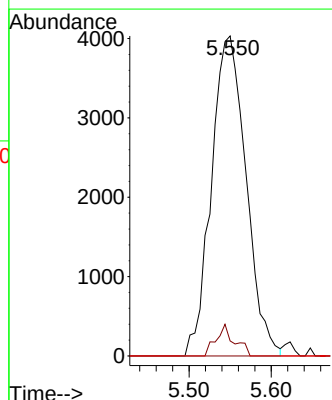
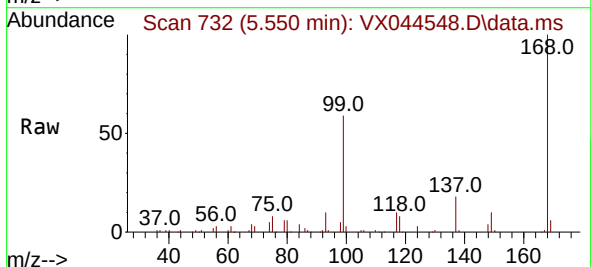
Instrument :
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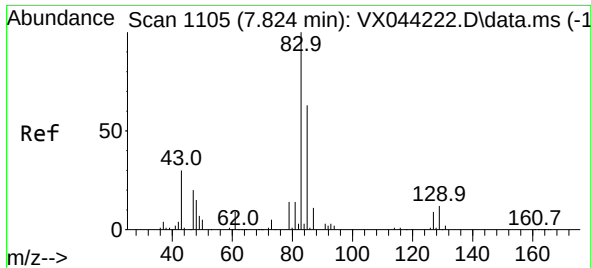
Tgt Ion: 75 Resp: 9636
Ion Ratio Lower Upper
75 100
110 6.7 17.3 51.7#
77 0.0 25.4 38.0#



#38
Carbon Tetrachloride
Concen: 6.010 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion: 117 Resp: 11820
Ion Ratio Lower Upper
117 100
119 4.7 74.2 111.4#
121 0.0 23.0 34.6#

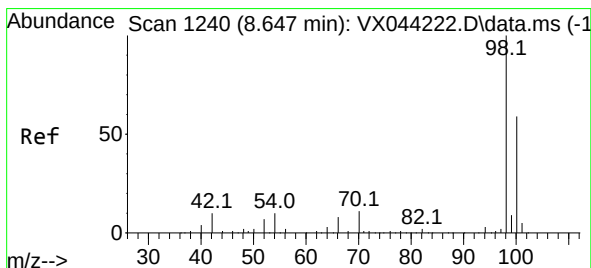
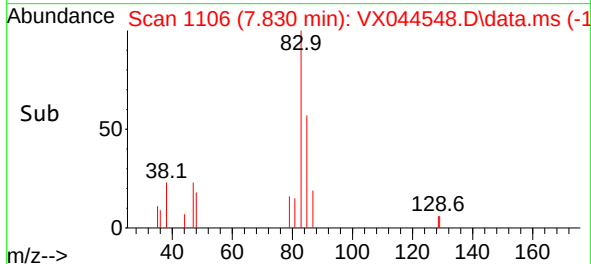
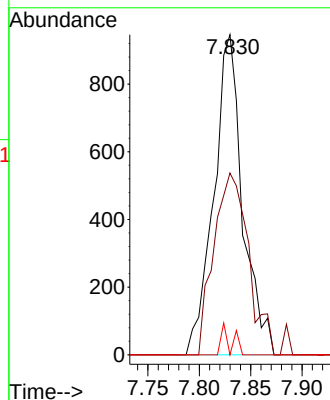
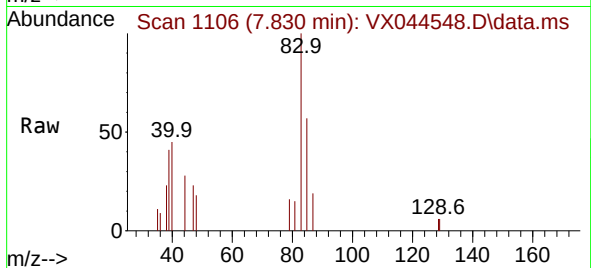




#47
 Bromodichloromethane
 Concen: 0.972 ug/l
 RT: 7.830 min Scan# 1105
 Delta R.T. 0.006 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

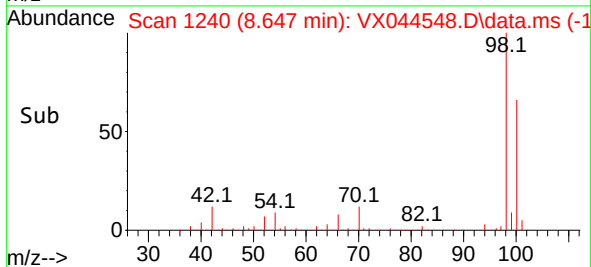
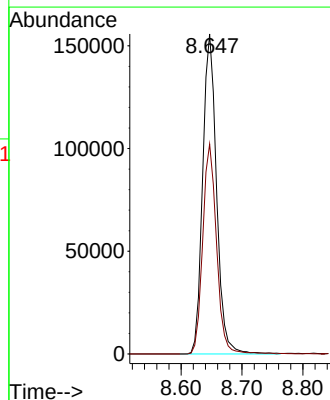
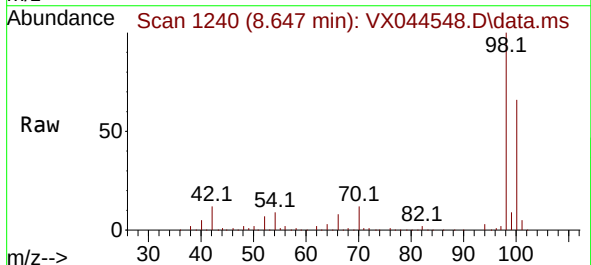
Instrument :
 MSVOA_X
 ClientSampleId :
 FB03-20241219

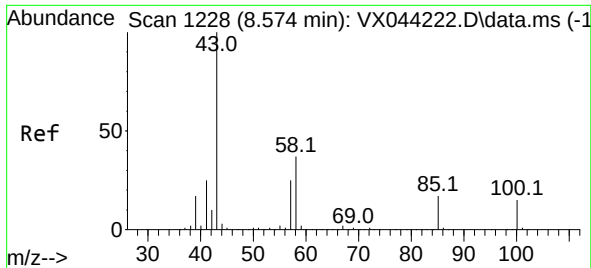
Tgt Ion: 83 Resp: 1845
 Ion Ratio Lower Upper
 83 100
 85 56.8 50.6 75.8
 127 0.0 7.3 10.9#



#50
 Toluene-d8
 Concen: 51.687 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

Tgt Ion: 98 Resp: 246454
 Ion Ratio Lower Upper
 98 100
 100 65.3 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 0.461 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX044548.D

Acq: 30 Dec 2024 16:55

Instrument :

MSVOA_X

ClientSampleId :

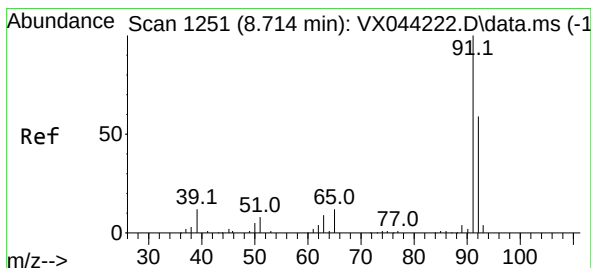
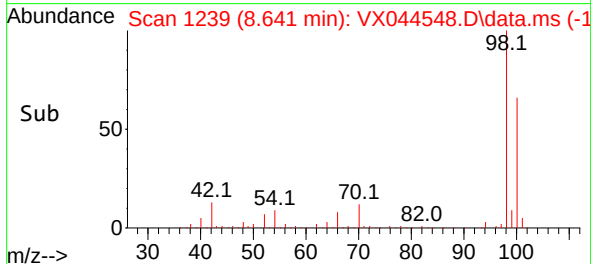
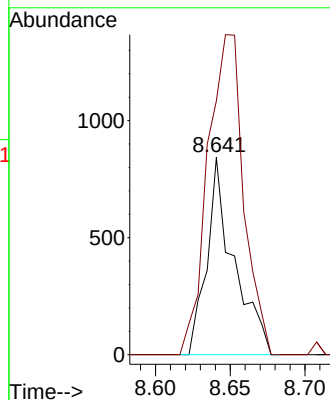
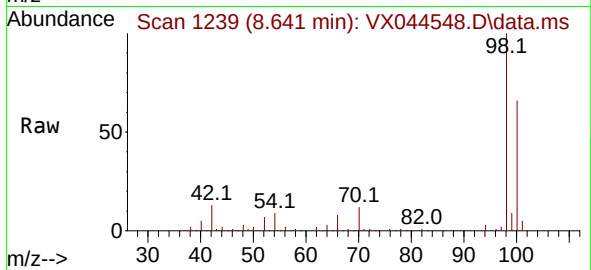
FB03-20241219

Tgt Ion: 43 Resp: 1047

Ion Ratio Lower Upper

43 100

58 218.1 29.4 44.0#



#52

Toluene

Concen: 0.208 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044548.D

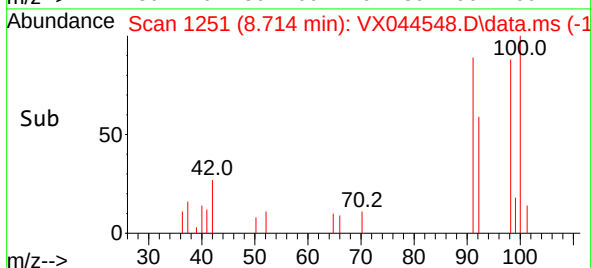
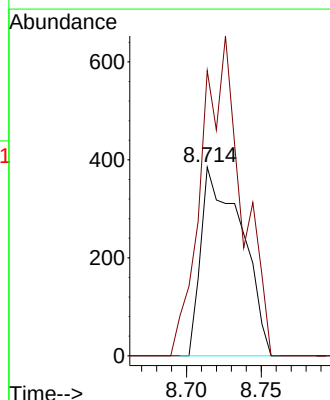
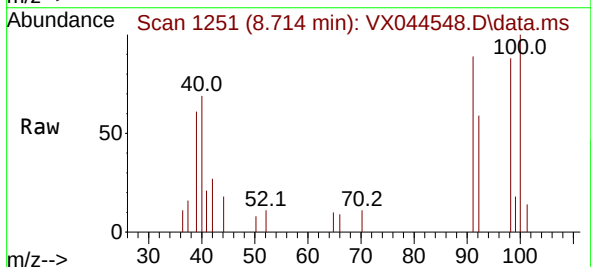
Acq: 30 Dec 2024 16:55

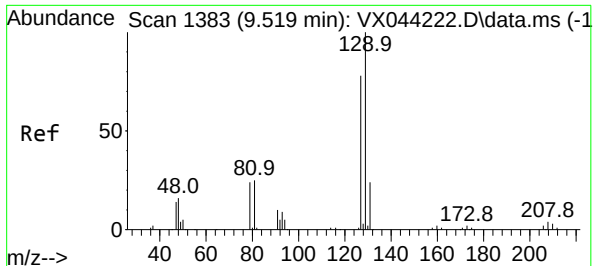
Tgt Ion: 92 Resp: 726

Ion Ratio Lower Upper

92 100

91 167.4 137.0 205.6





#60

Dibromochloromethane

Concen: 1.247 ug/l

RT: 9.537 min Scan# 11

Delta R.T. 0.018 min

Lab File: VX044548.D

Acq: 30 Dec 2024 16:55

Instrument :

MSVOA_X

ClientSampleId :

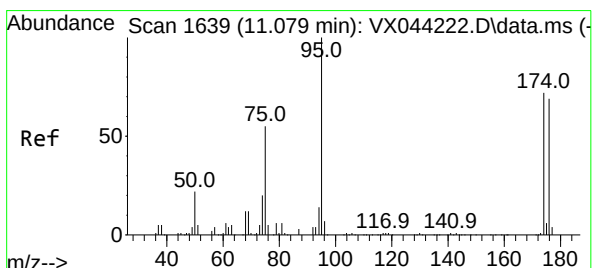
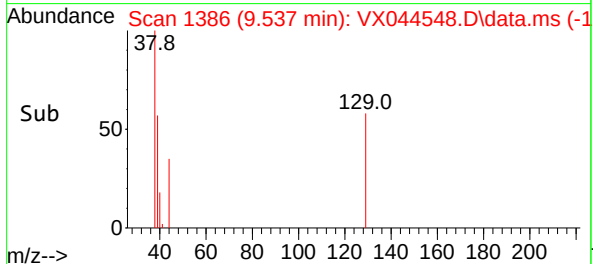
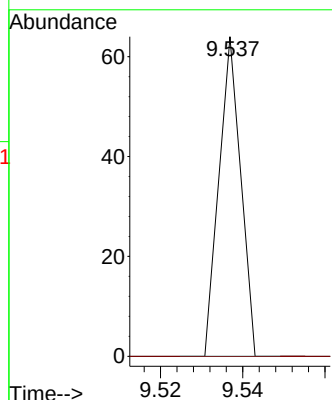
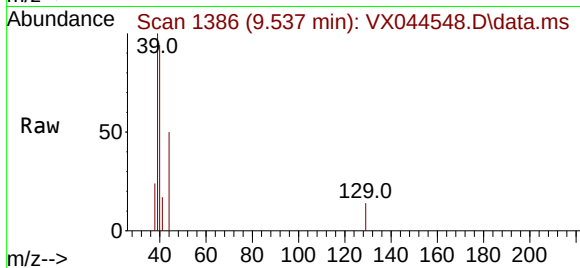
FB03-20241219

Tgt Ion:129 Resp: 23

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



#62

4-Bromofluorobenzene

Concen: 47.358 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044548.D

Acq: 30 Dec 2024 16:55

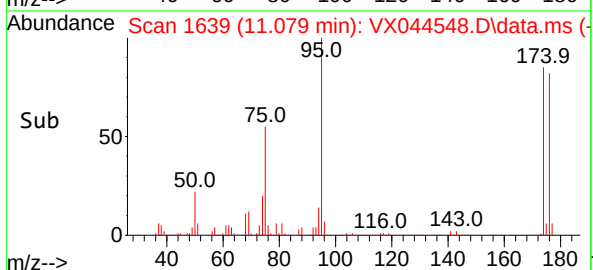
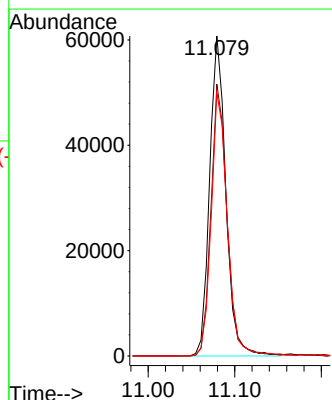
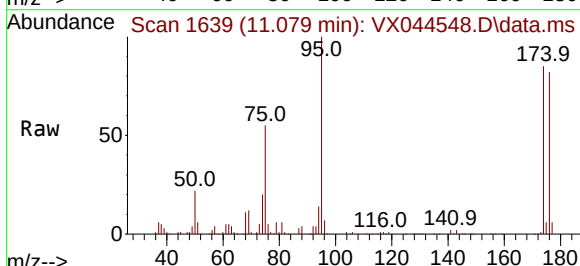
Tgt Ion: 95 Resp: 78904

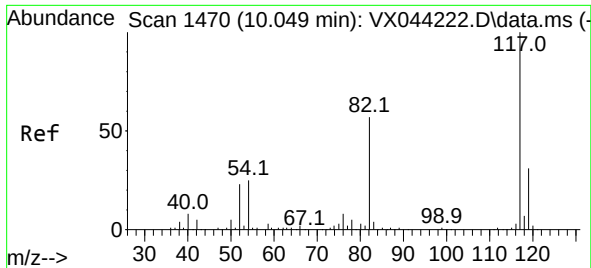
Ion Ratio Lower Upper

95 100

174 84.7 0.0 145.8

176 82.1 0.0 137.8

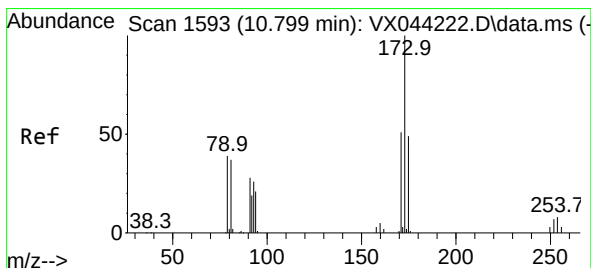
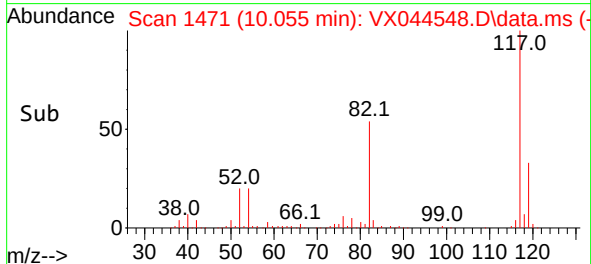
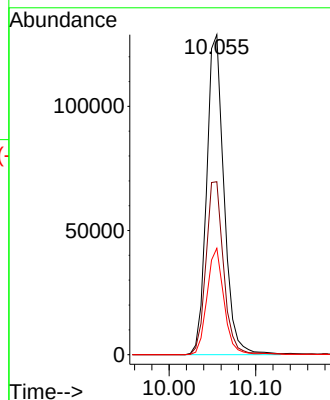
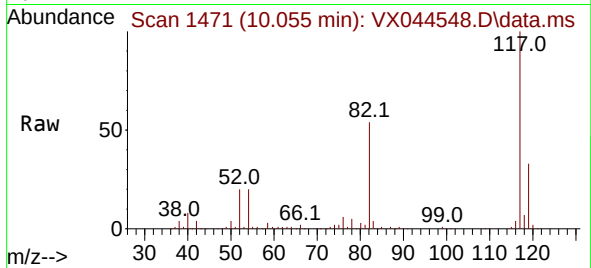




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

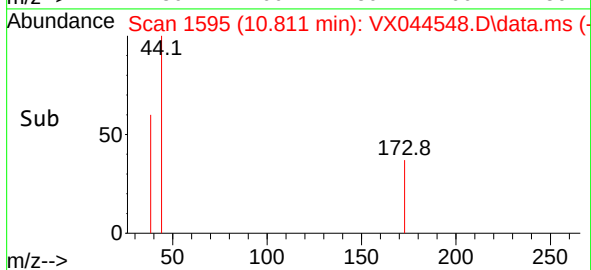
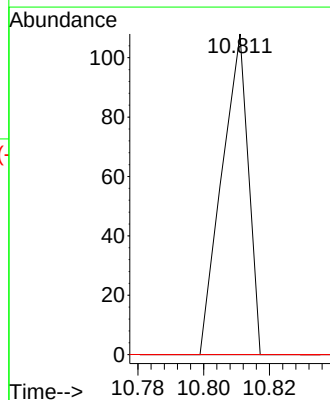
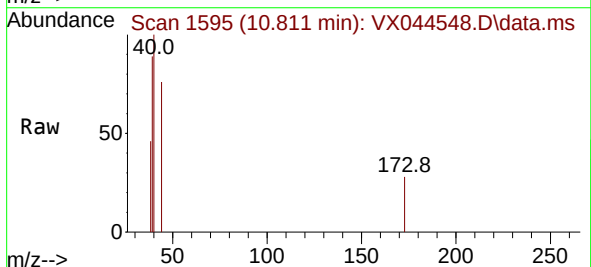
Instrument :
MSVOA_X
ClientSampleId :
FB03-20241219

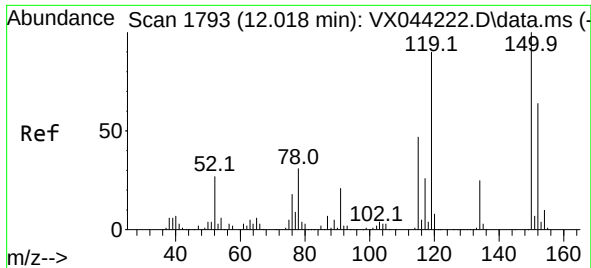
Tgt Ion:117 Resp: 179580
Ion Ratio Lower Upper
117 100
82 54.0 45.8 68.8
119 33.3 25.0 37.4



#71
Bromoform
Concen: 1.305 ug/l
RT: 10.811 min Scan# 1595
Delta R.T. 0.012 min
Lab File: VX044548.D
Acq: 30 Dec 2024 16:55

Tgt Ion:173 Resp: 60
Ion Ratio Lower Upper
173 100
175 0.0 23.8 71.4#
254 0.0 0.0 0.0

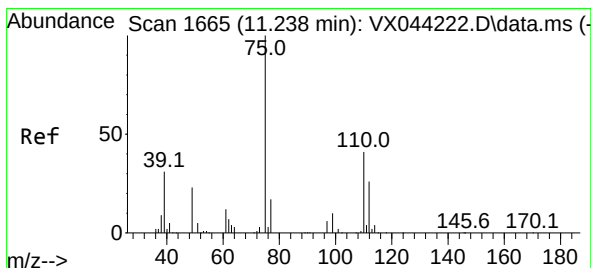
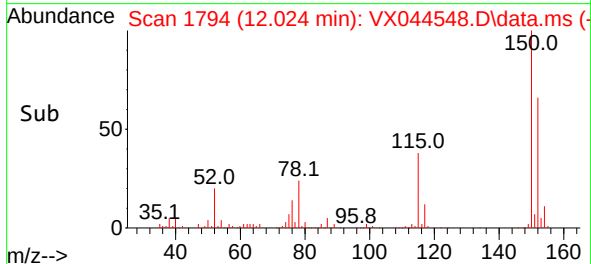
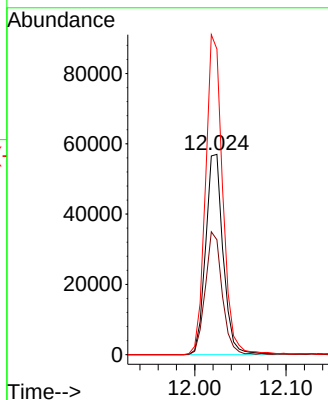
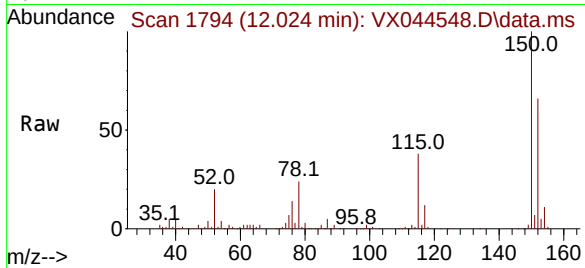




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

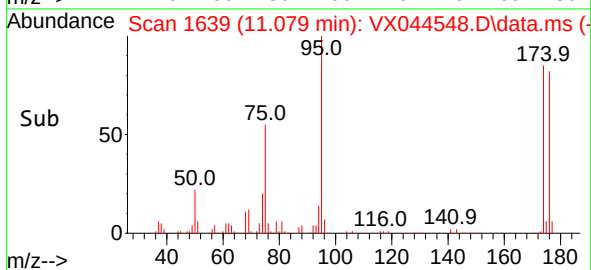
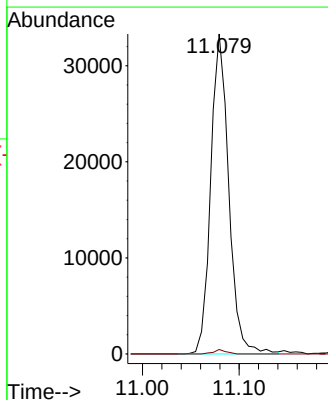
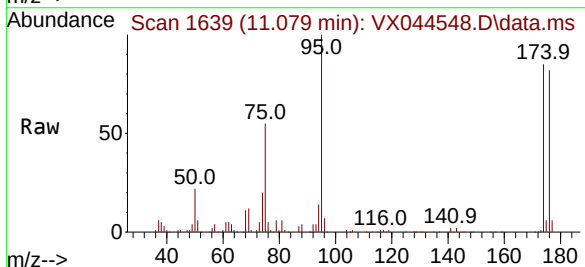
Instrument :
 MSVOA_X
 ClientSampleId :
 FB03-20241219

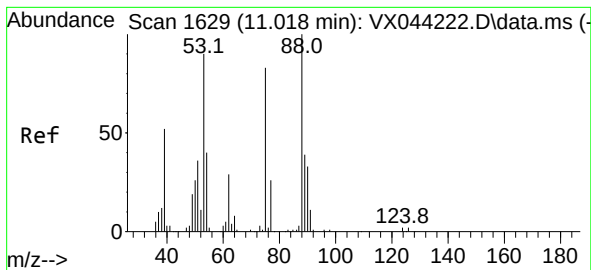
Tgt Ion:152 Resp: 75638
 Ion Ratio Lower Upper
 152 100
 115 59.4 44.5 133.3
 150 156.7 0.0 353.8



#76
 1,2,3-Trichloropropane
 Concen: 25.546 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

Tgt Ion: 75 Resp: 43142
 Ion Ratio Lower Upper
 75 100
 77 0.9 20.9 62.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.613 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044548.D
 Acq: 30 Dec 2024 16:55

Instrument :
 MSVOA_X
 ClientSampleId :
 FB03-20241219

Tgt Ion: 75 Resp: 43142
 Ion Ratio Lower Upper
 75 100
 53 0.0 93.6 140.4#
 89 0.0 37.3 55.9#

