

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092524\
 Data File : VX043155.D
 Acq On : 25 Sep 2024 15:58
 Operator : JC/MD
 Sample : P4164-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20240923

Quant Time: Sep 26 01:37:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092324W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 24 03:13:52 2024
 Response via : Initial Calibration

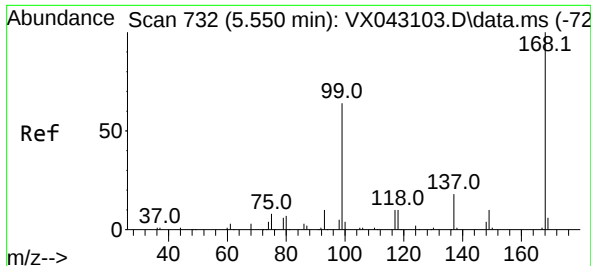
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	86560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	173508	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	168389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	88253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78092	54.313	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.620%	
35) Dibromofluoromethane	5.385	113	59783	48.843	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.680%	
50) Toluene-d8	8.647	98	216013	52.164	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.320%	
62) 4-Bromofluorobenzene	11.079	95	90150	54.058	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.120%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	455	0.474	ug/l #	84
11) Tert butyl alcohol	2.947	59	2939	9.155	ug/l #	71
12) 1,1-Dichloroethene	2.319	96	226	0.246	ug/l #	60
13) Acrolein	2.221	56	23	0.544	ug/l #	1
16) Acetone	2.380	43	1001	1.489	ug/l #	79
19) Methyl tert-butyl Ether	3.123	73	797	0.228	ug/l #	67
20) Methylene Chloride	2.782	84	245	0.229	ug/l #	65
24) 1,1-Dichloroethane	3.611	63	919	0.498	ug/l #	81
25) 2-Butanone	4.556	43	616	0.711	ug/l #	78
26) 2,2-Dichloropropane	4.562	77	1756	0.941	ug/l #	54
31) Cyclohexane	5.550	56	2224	1.573	ug/l #	22
36) 1,1-Dichloropropene	5.544	75	7881	5.240	ug/l #	48
38) Carbon Tetrachloride	5.550	117	9525	4.916	ug/l #	17
44) Trichloroethene	7.135	130	4376	3.604	ug/l	100
51) 4-Methyl-2-Pentanone	8.653	43	1038	0.535	ug/l #	1
64) Tetrachloroethene	9.281	164	285	0.234	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	49887	26.588	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.079	75	49887	63.348	ug/l #	7
95) Naphthalene	13.780	128	3783	0.615	ug/l	98

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

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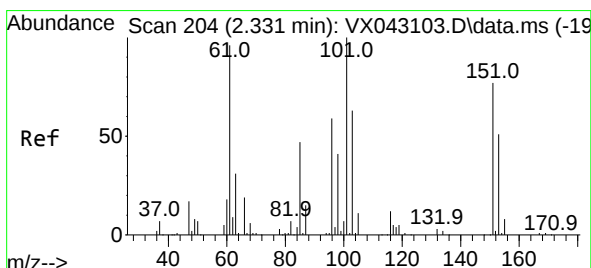
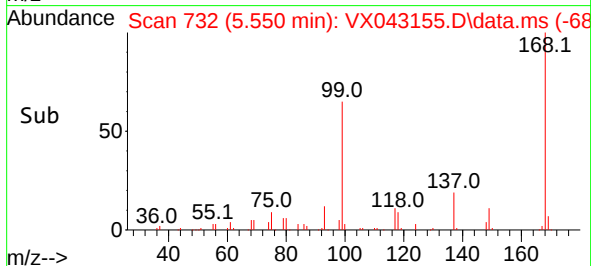
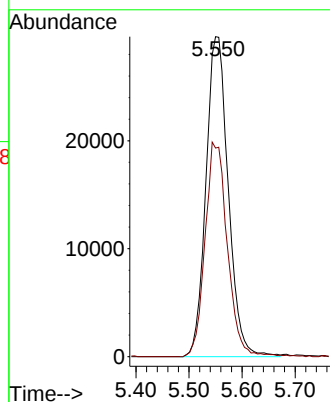
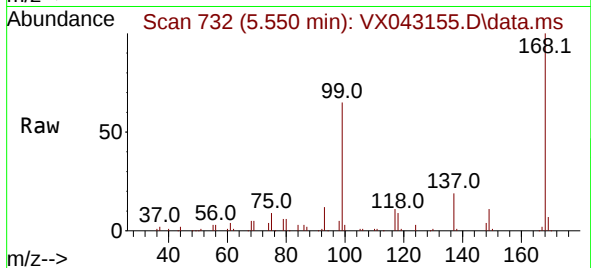




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

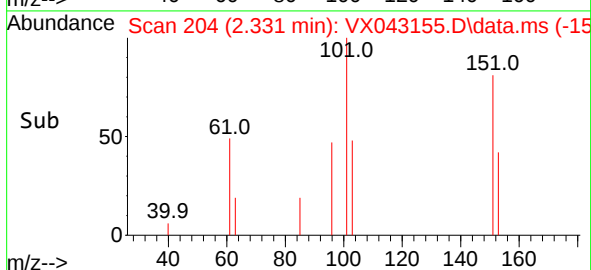
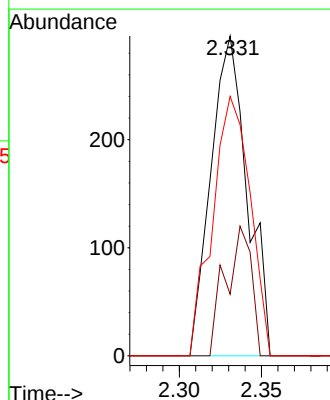
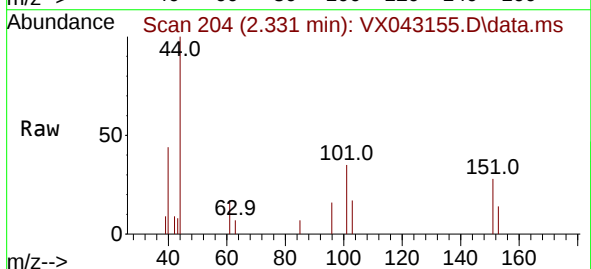
Instrument :
MSVOA_X
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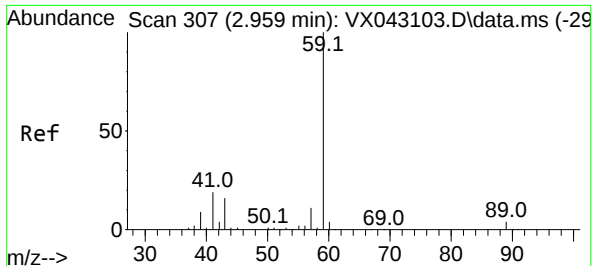
Tgt Ion:168 Resp: 86560
Ion Ratio Lower Upper
168 100
99 65.2 50.8 76.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.474 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion:101 Resp: 455
Ion Ratio Lower Upper
101 100
85 28.8 37.0 55.4#
151 84.2 60.2 90.4

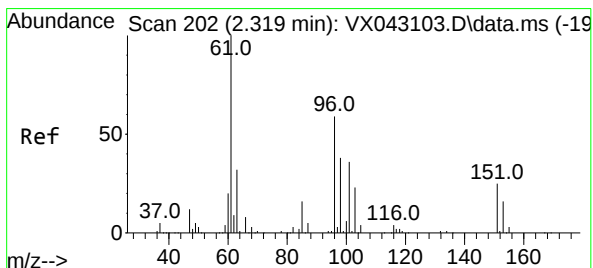
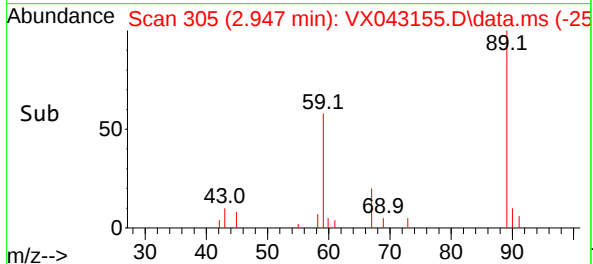
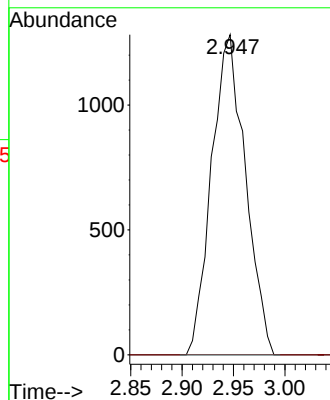
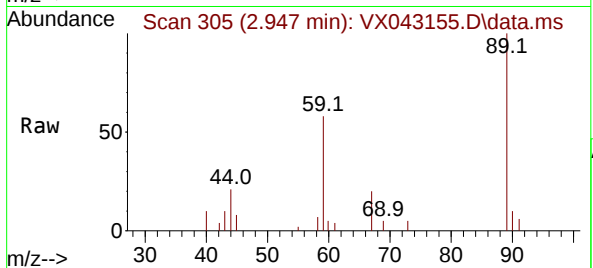




#11
Tert butyl alcohol
Concen: 9.155 ug/l
RT: 2.947 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

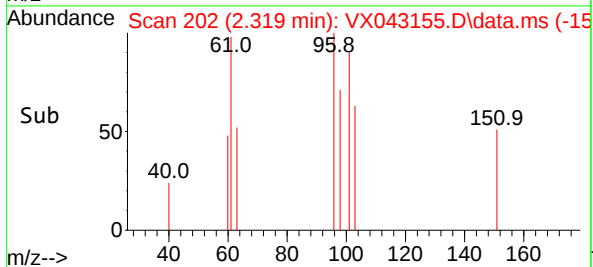
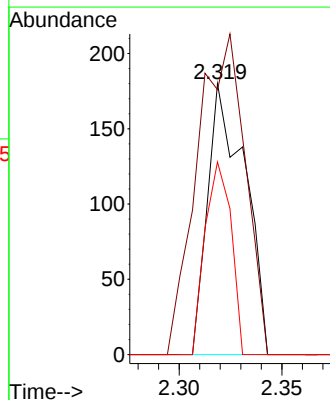
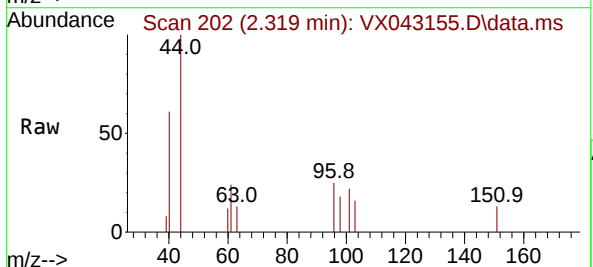
Instrument :
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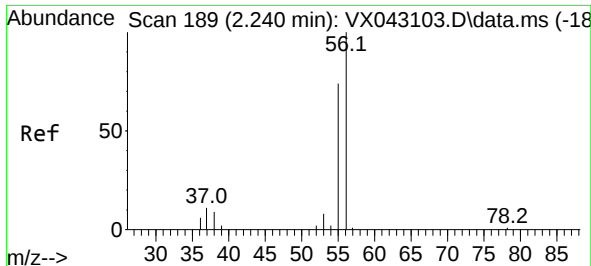
Tgt Ion: 59 Resp: 2939
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 0.246 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion: 96 Resp: 226
Ion Ratio Lower Upper
96 100
61 97.8 134.7 202.1#
98 71.1 51.6 77.4





#13

Acrolein

Concen: 0.544 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.018 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

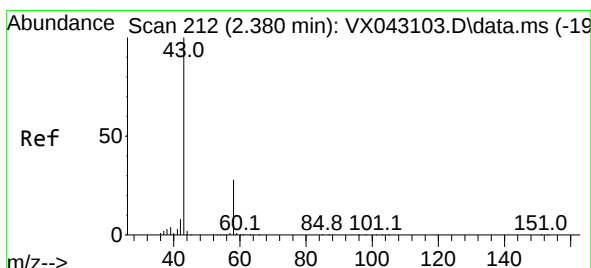
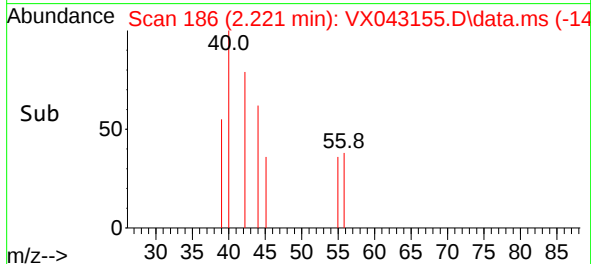
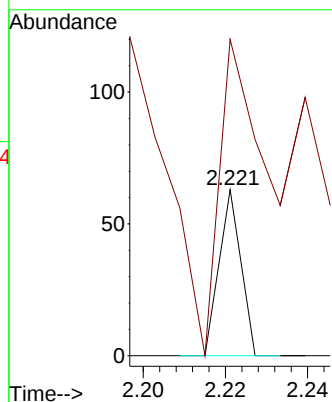
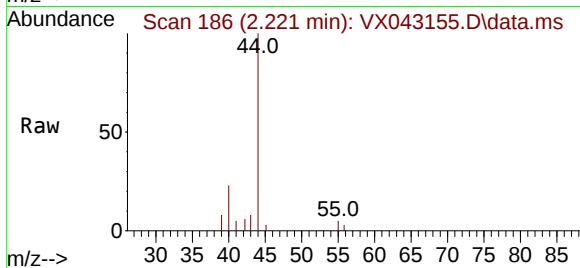
TT180D-20240923

Tgt Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 656.5 55.8 83.6#



#16

Acetone

Concen: 1.489 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043155.D

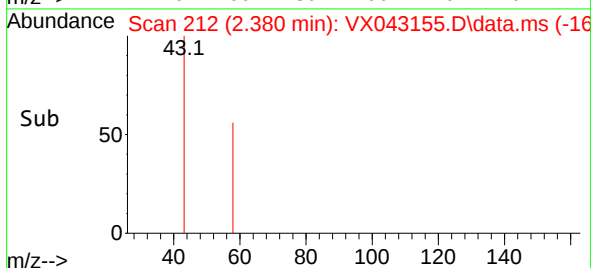
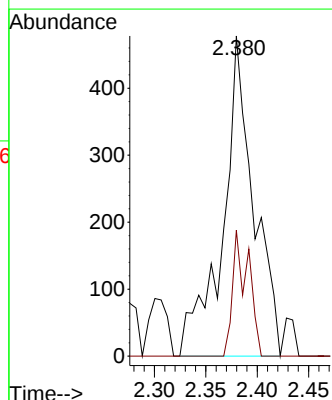
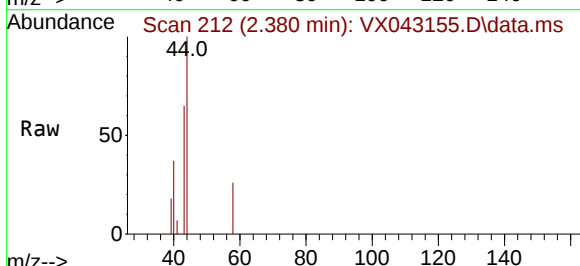
Acq: 25 Sep 2024 15:58

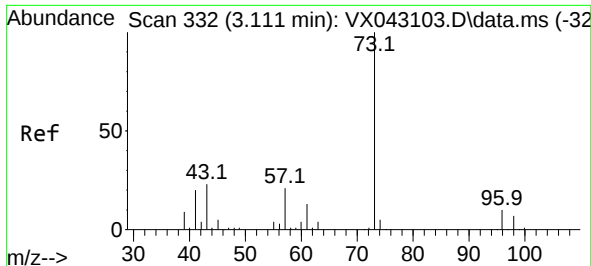
Tgt Ion: 43 Resp: 1001

Ion Ratio Lower Upper

43 100

58 39.3 22.6 34.0#

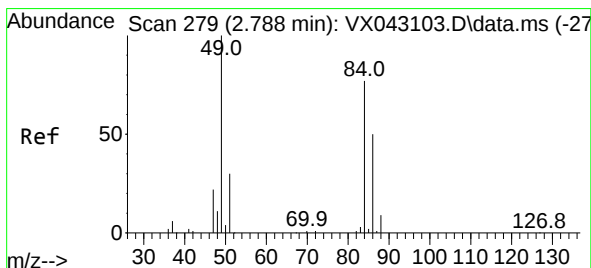
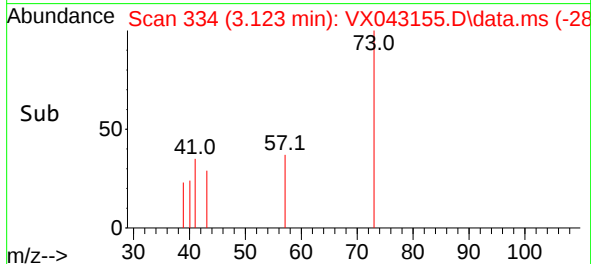
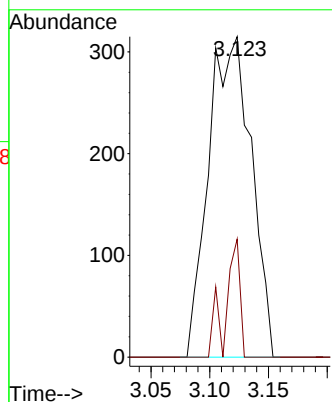
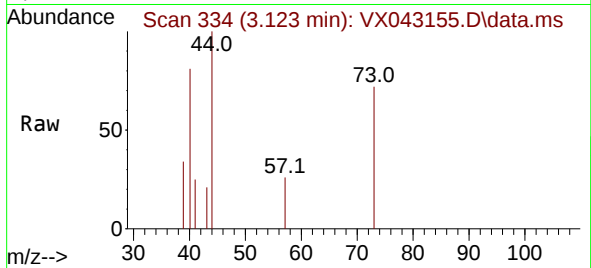




#19
Methyl tert-butyl Ether
Concen: 0.228 ug/l
RT: 3.123 min Scan# 311
Delta R.T. 0.012 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

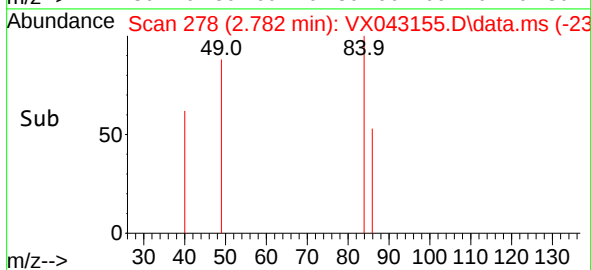
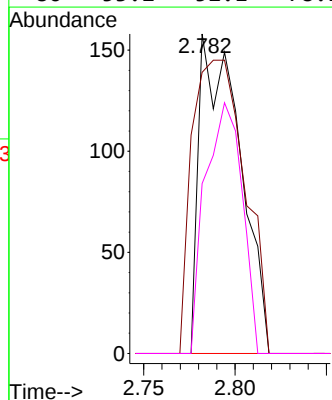
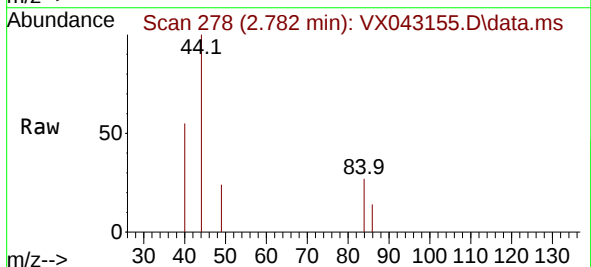
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

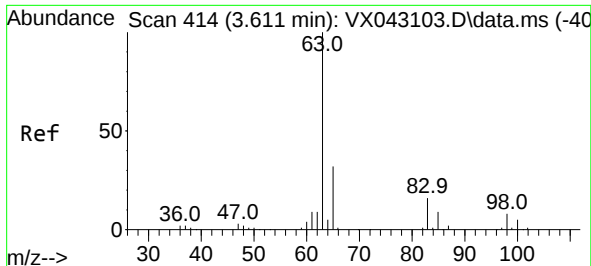
Tgt Ion: 73 Resp: 797
Ion Ratio Lower Upper
73 100
57 36.8 17.0 25.4#



#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion: 84 Resp: 245
Ion Ratio Lower Upper
84 100
49 88.0 104.1 156.1#
51 0.0 31.1 46.7#
86 53.2 52.1 78.1





#24

1,1-Dichloroethane

Concen: 0.498 ug/l

RT: 3.611 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20240923

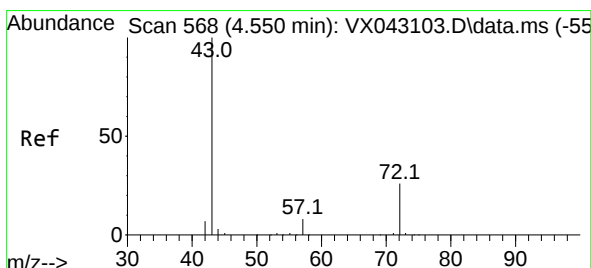
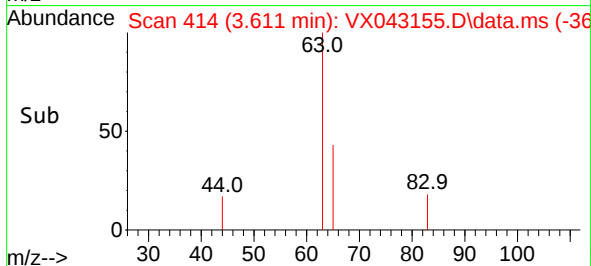
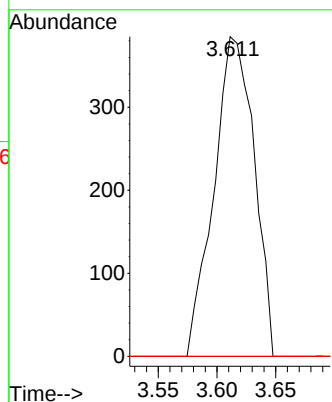
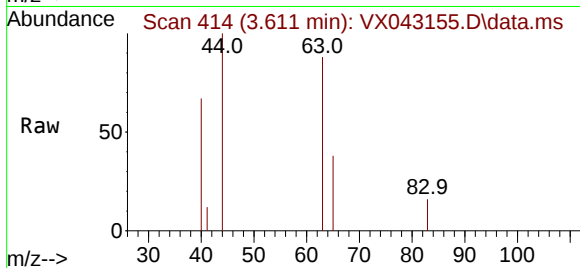
Tgt Ion: 63 Resp: 919

Ion Ratio Lower Upper

63 100

98 0.0 3.9 11.5#

100 0.0 2.5 7.6#



#25

2-Butanone

Concen: 0.711 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.006 min

Lab File: VX043155.D

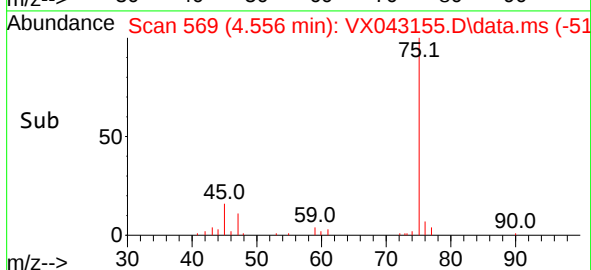
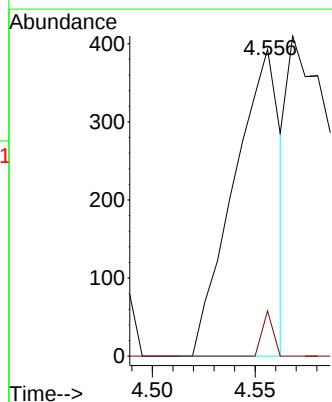
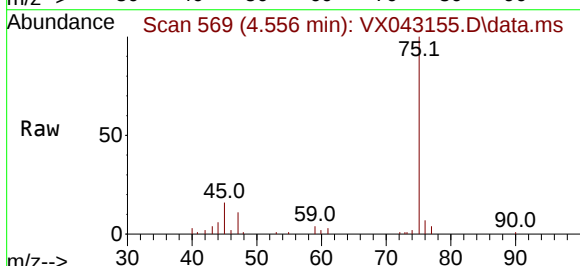
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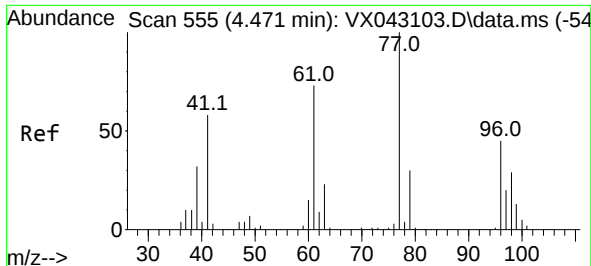
Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

72 14.8 20.7 31.1#





#26

2,2-Dichloropropane

Concen: 0.941 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

Instrument :

MSVOA_X

ClientSampleId :

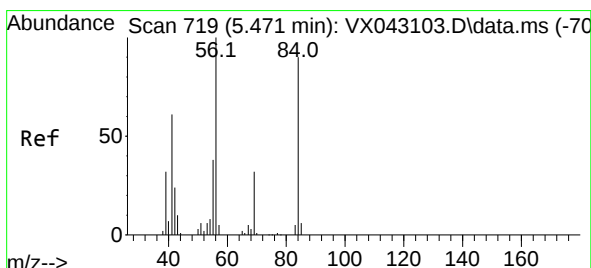
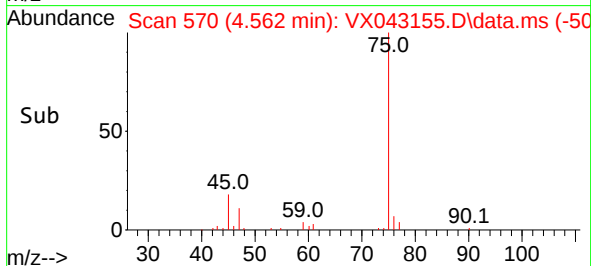
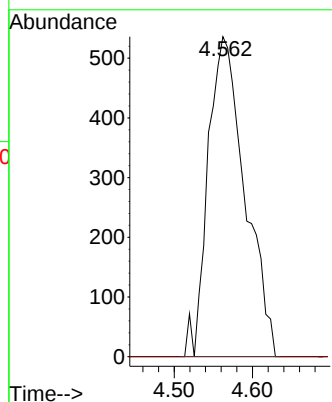
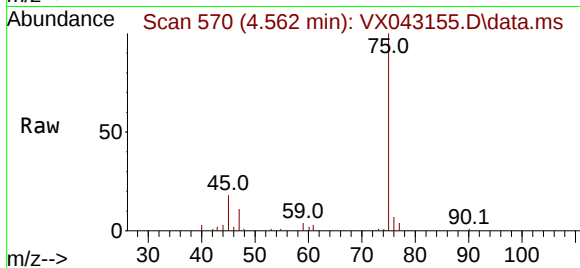
TT180D-20240923

Tgt Ion: 77 Resp: 1756

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#31

Cyclohexane

Concen: 1.573 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

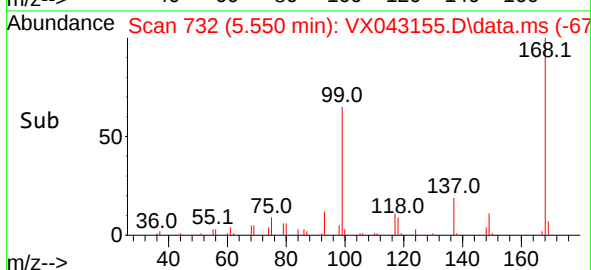
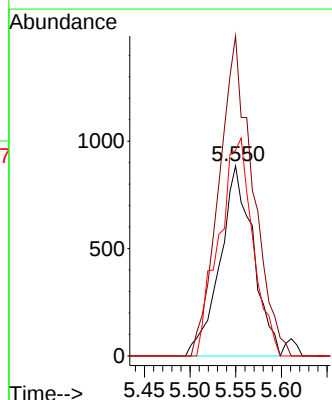
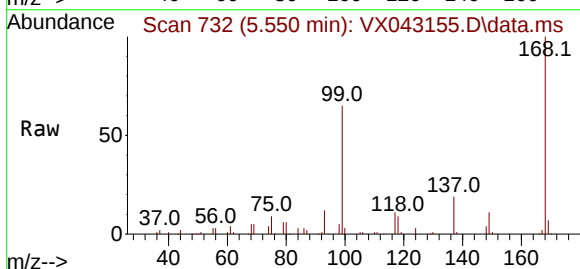
Tgt Ion: 56 Resp: 2224

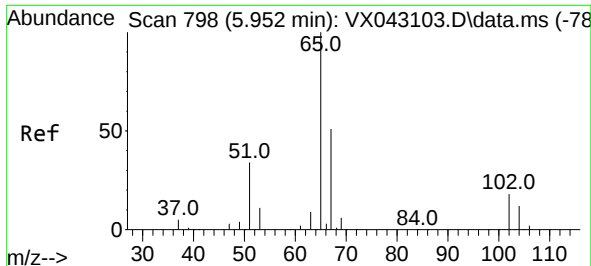
Ion Ratio Lower Upper

56 100

69 168.4 25.8 38.6#

84 108.2 72.4 108.6





#33

1,2-Dichloroethane-d4

Concen: 54.313 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX043155.D

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ClientSampleId :

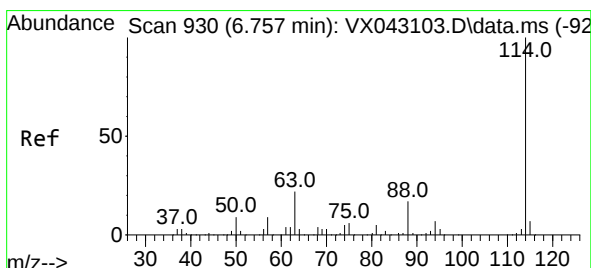
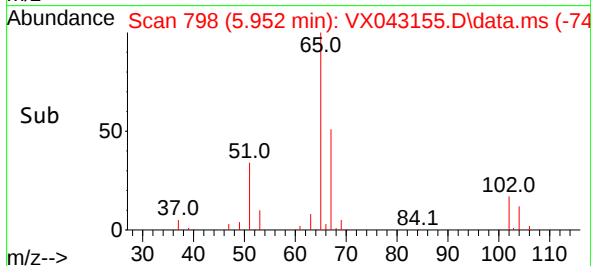
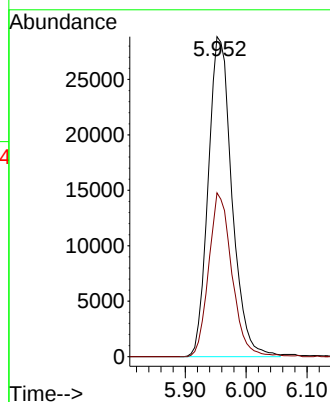
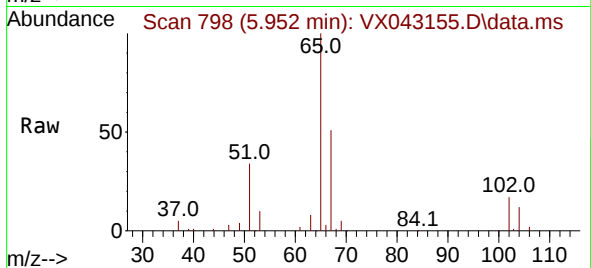
TT180D-20240923

Tgt Ion: 65 Resp: 78092

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

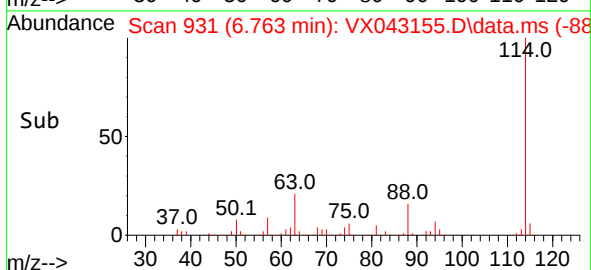
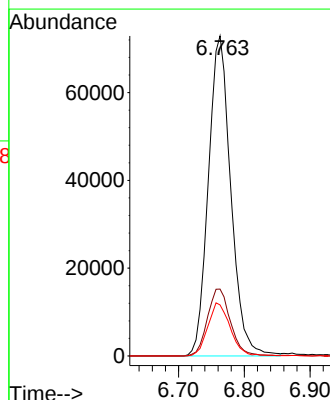
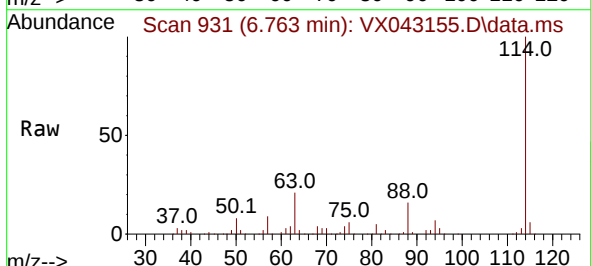
Tgt Ion: 114 Resp: 173508

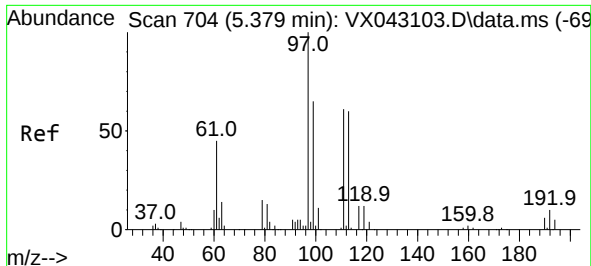
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.843 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

Instrument :

MSVOA_X

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TT180D-20240923

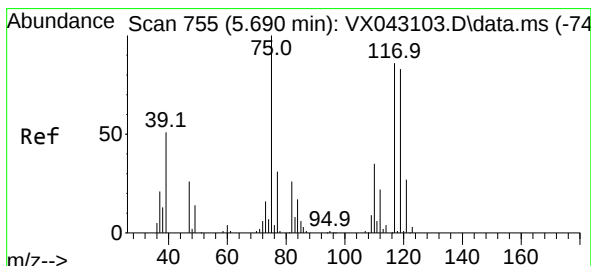
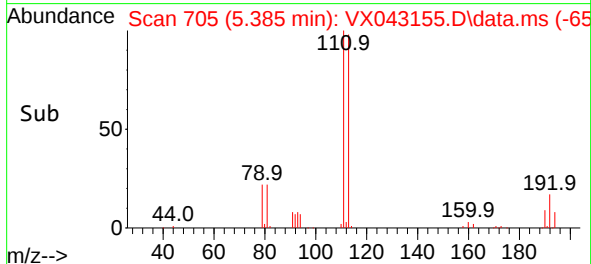
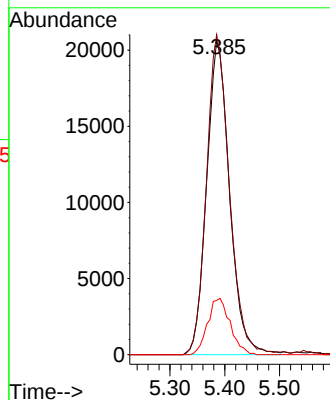
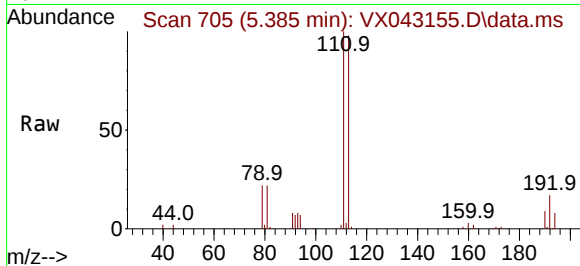
Tgt Ion:113 Resp: 59783

Ion Ratio Lower Upper

113 100

111 102.0 82.6 124.0

192 17.7 14.6 22.0



#36

1,1-Dichloropropene

Concen: 5.240 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX043155.D

Acq: 25 Sep 2024 15:58

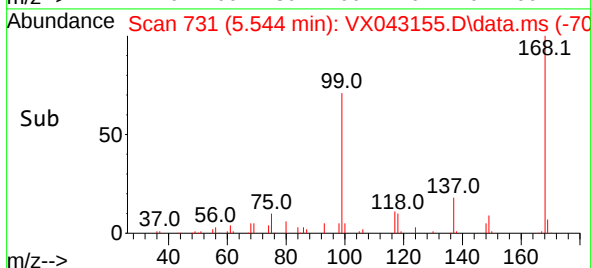
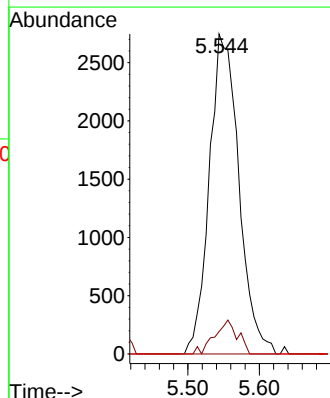
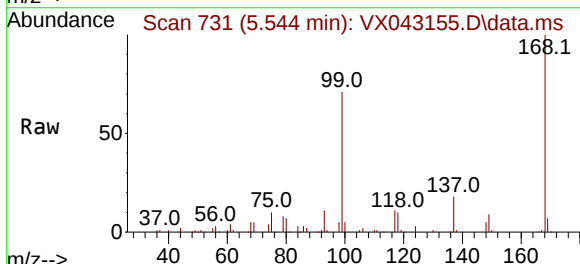
Tgt Ion: 75 Resp: 7881

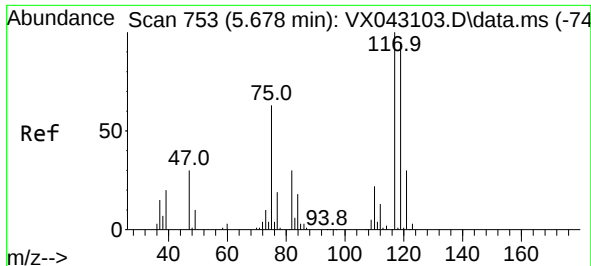
Ion Ratio Lower Upper

75 100

110 8.2 17.8 53.4#

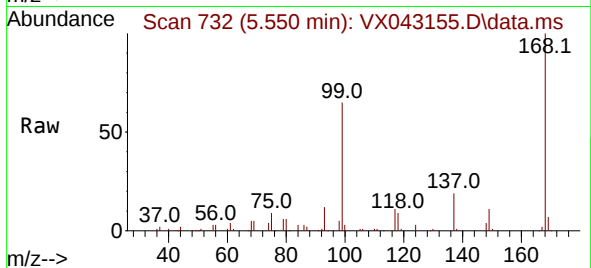
77 0.0 25.2 37.8#



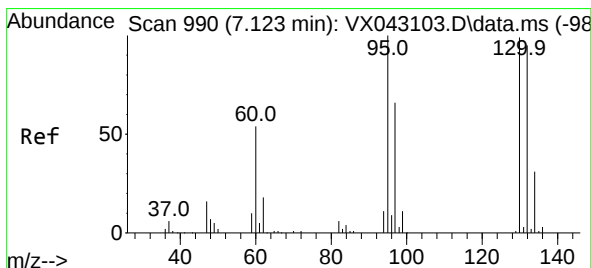
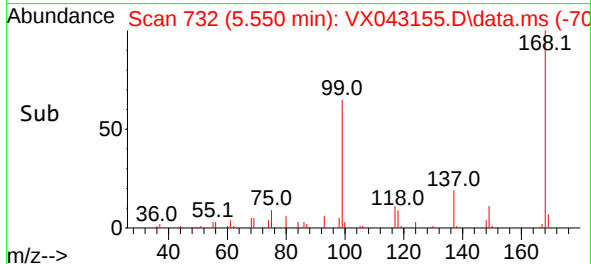
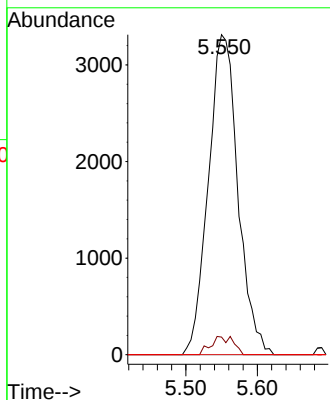


#38
Carbon Tetrachloride
Concen: 4.916 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

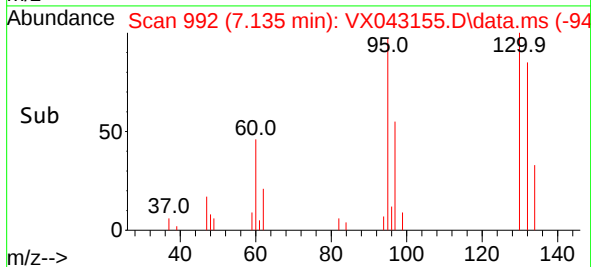
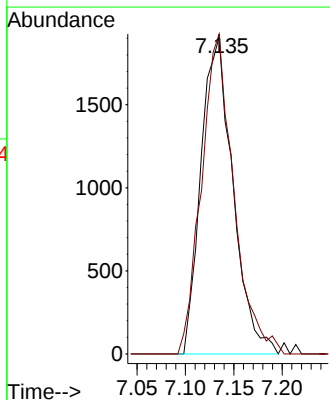
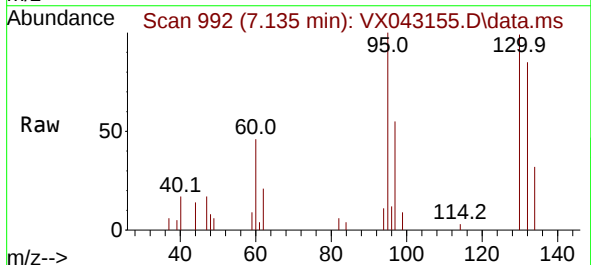


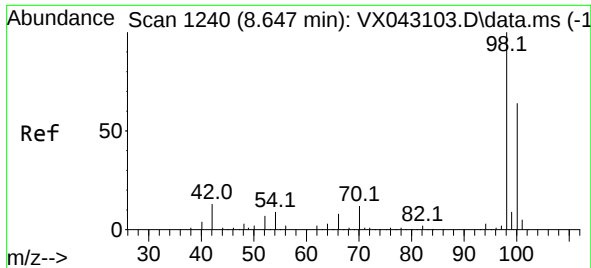
Tgt Ion:117 Resp: 9525
Ion Ratio Lower Upper
117 100
119 5.5 75.5 113.3#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 3.604 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.012 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion:130 Resp: 4376
Ion Ratio Lower Upper
130 100
95 100.8 0.0 201.6

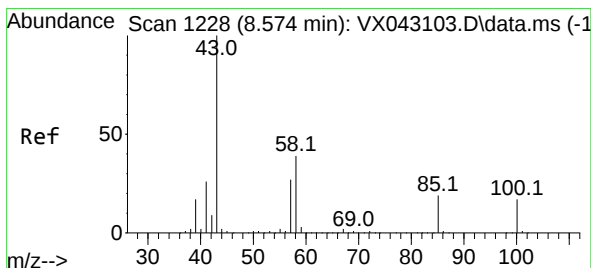
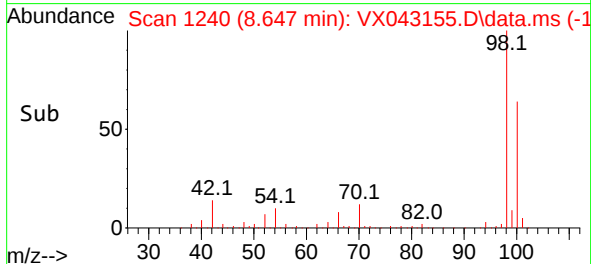
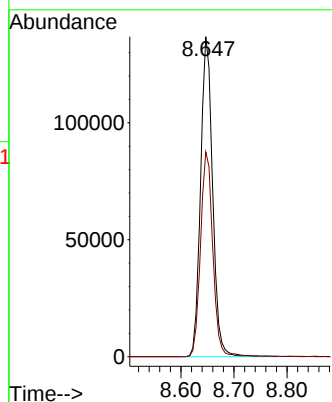
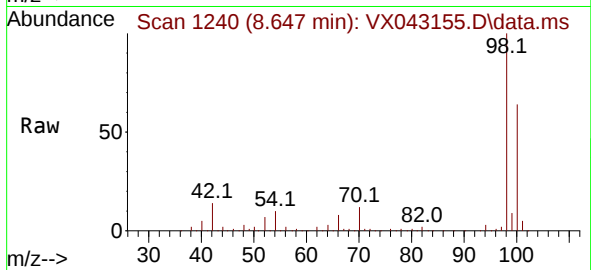




#50
Toluene-d8
Concen: 52.164 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

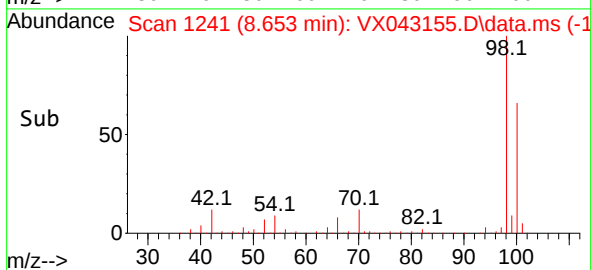
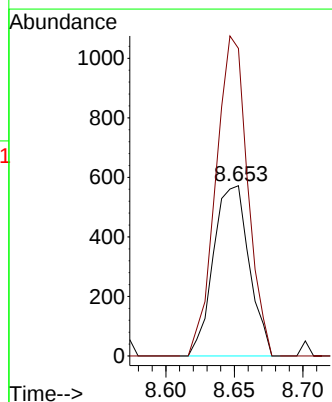
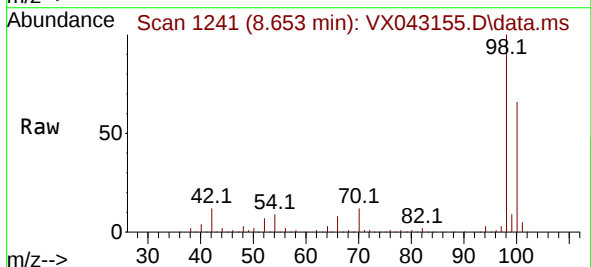
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

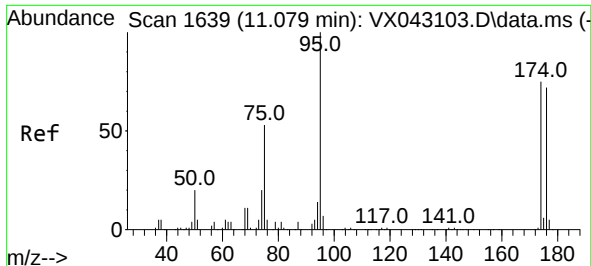
Tgt Ion: 98 Resp: 216013
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 167.5 30.3 45.5#

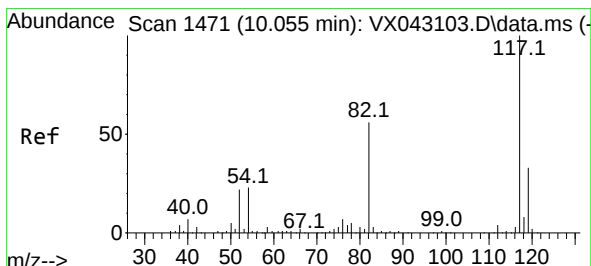
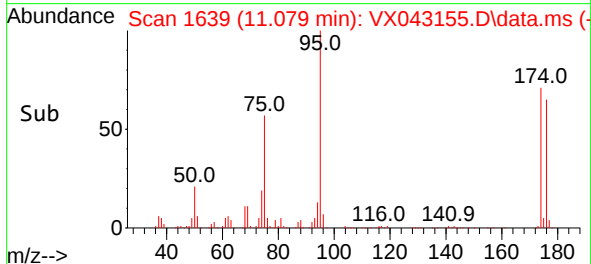
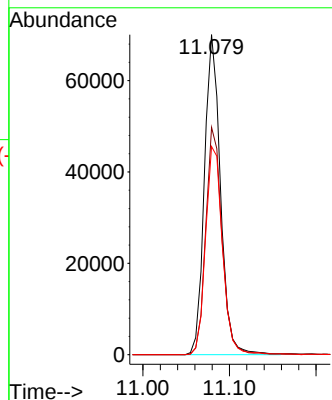
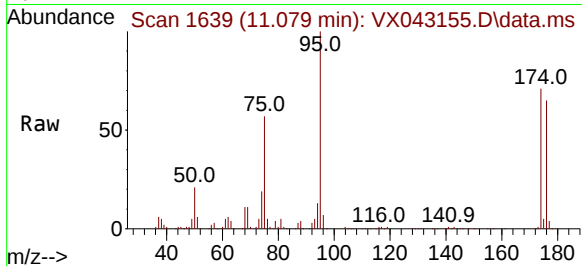




#62
4-Bromofluorobenzene
Concen: 54.058 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

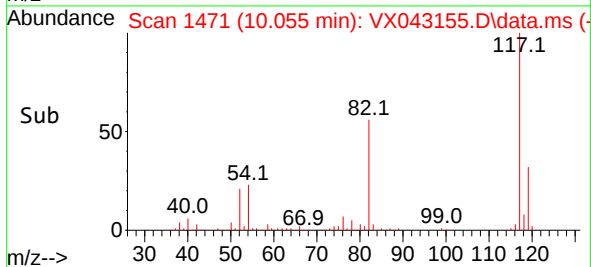
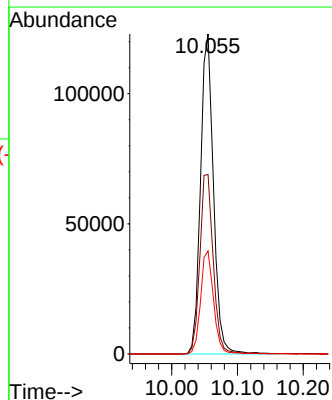
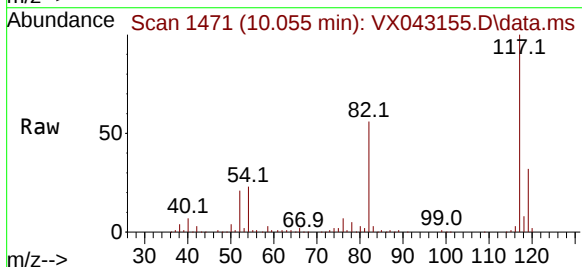
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

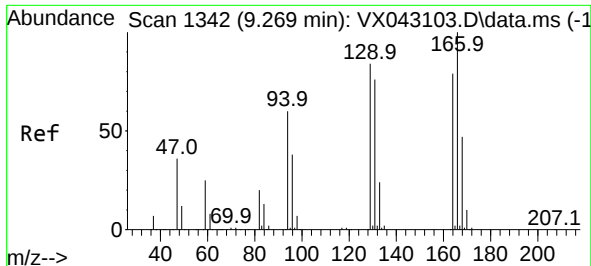
Tgt Ion: 95 Resp: 90150
Ion Ratio Lower Upper
95 100
174 72.4 0.0 146.0
176 68.6 0.0 142.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion: 117 Resp: 168389
Ion Ratio Lower Upper
117 100
82 56.1 44.7 67.1
119 32.2 26.3 39.5



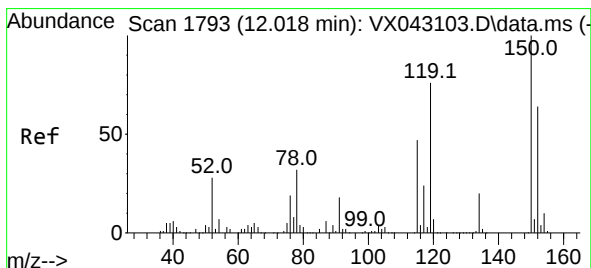
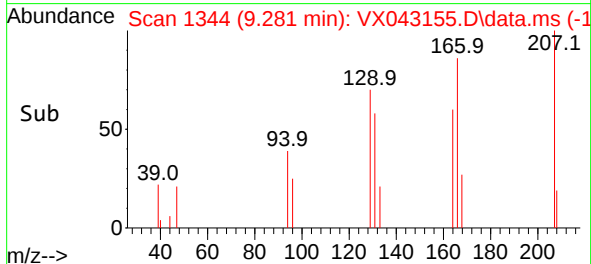
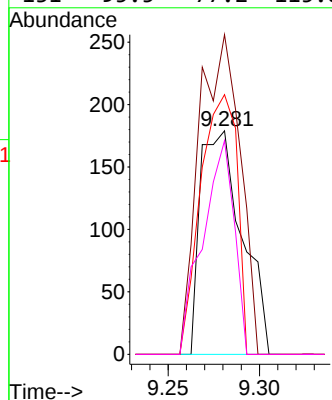
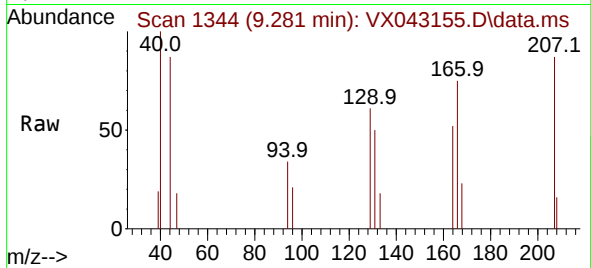


#64
Tetrachloroethene
Concen: 0.234 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

Tgt Ion:164 Resp: 285

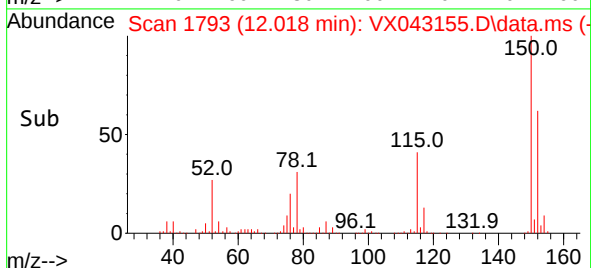
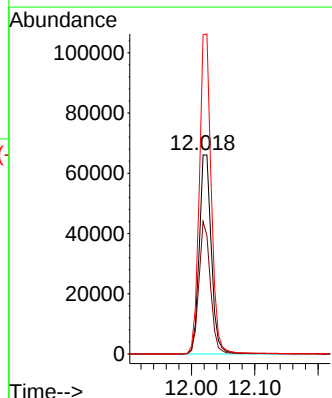
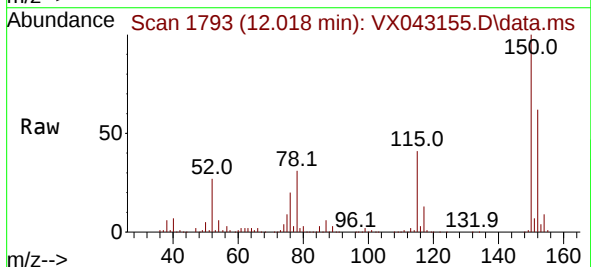
Ion	Ratio	Lower	Upper
164	100		
166	143.0	101.2	151.8
129	116.2	84.7	127.1
131	95.5	77.2	115.8

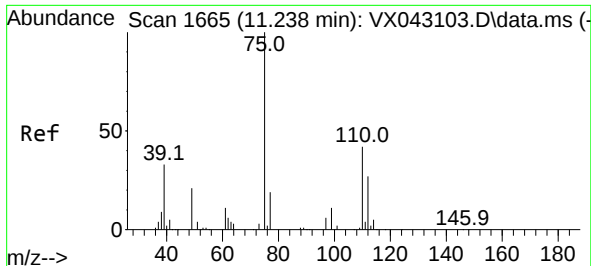


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Tgt Ion:152 Resp: 88253

Ion	Ratio	Lower	Upper
152	100		
115	63.2	43.7	131.1
150	158.5	0.0	344.6

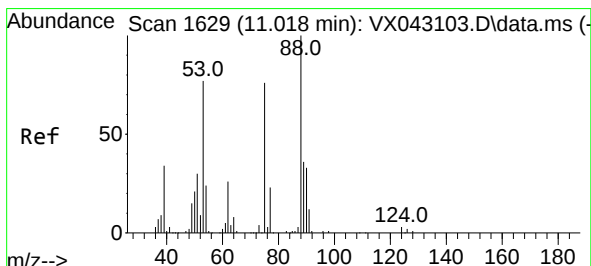
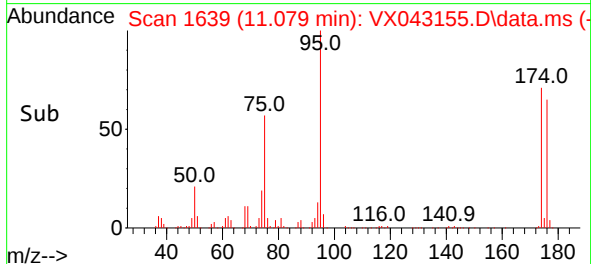
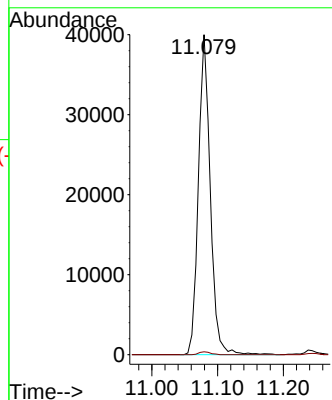
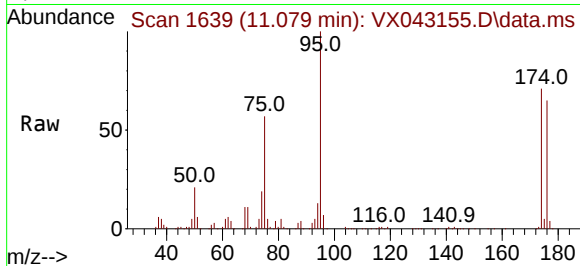




#76
1,2,3-Trichloropropane
Concen: 26.588 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

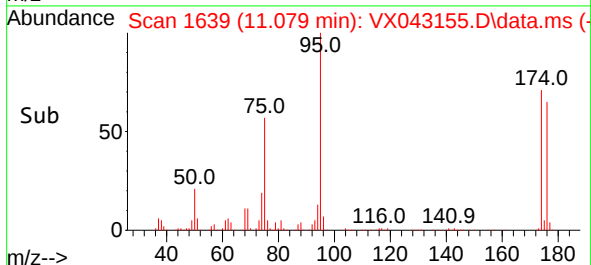
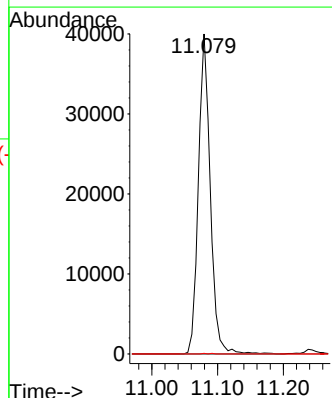
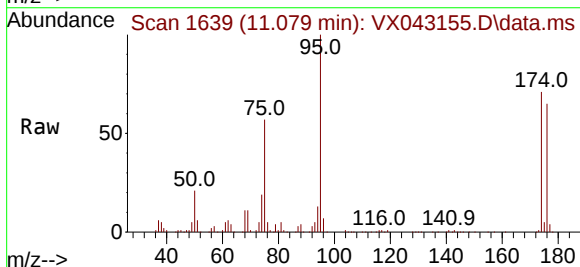
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923

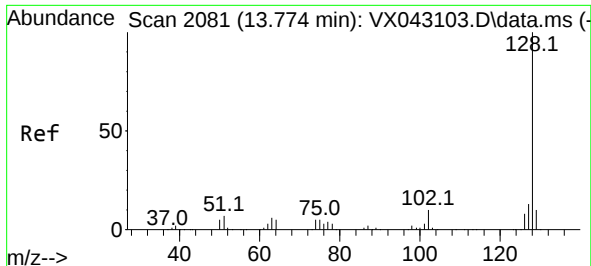
Tgt Ion: 75 Resp: 49887
Ion Ratio Lower Upper
75 100
77 0.9 21.9 65.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.348 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

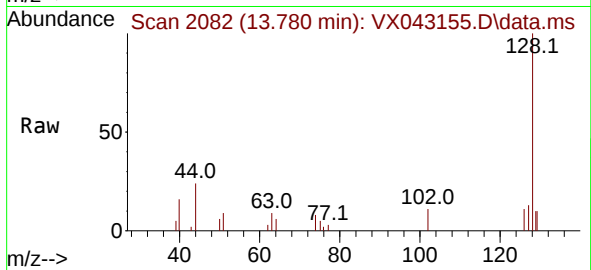
Tgt Ion: 75 Resp: 49887
Ion Ratio Lower Upper
75 100
53 0.0 85.4 128.2#
89 0.1 38.8 58.2#





#95
Naphthalene
Concen: 0.615 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX043155.D
Acq: 25 Sep 2024 15:58

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20240923



Tgt Ion:	128	Resp:	3783
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.2	15.4
129	11.4	8.6	13.0

