

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028254.D
 Acq On : 21 Apr 2022 20:15
 Operator : JC/MD
 Sample : N2511-07 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1502

Quant Time: Apr 22 06:19:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

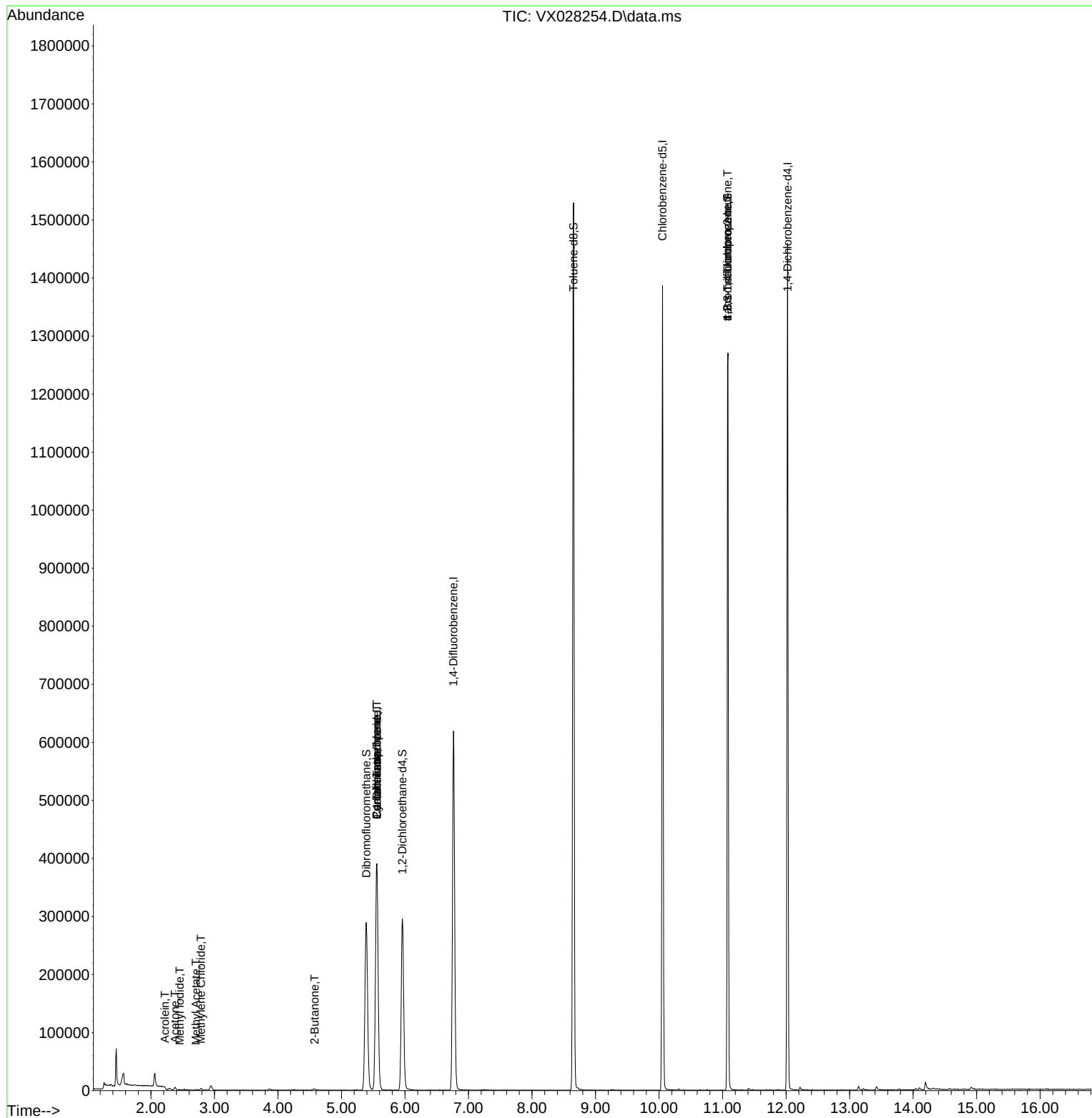
Internal Standards						
1) Pentafluorobenzene	5.556	168	385292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	665881	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	635433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	300923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	280274	55.790	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 111.580%	
35) Dibromofluoromethane	5.391	113	252779	54.131	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.260%	
50) Toluene-d8	8.653	98	925731	51.614	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.220%	
62) 4-Bromofluorobenzene	11.079	95	335486	48.920	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.840%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	400	Below Cal		97
5) Bromomethane	1.611	94	791	Below Cal		95
6) Chloroethane	1.703	64	344	Below Cal	#	72
10) Methyl Iodide	2.453	142	455	5.330	ug/l #	85
11) Tert butyl alcohol	2.947	59	4569	Below Cal	#	74
13) Acrolein	2.221	56	242	0.393	ug/l #	15
16) Acetone	2.380	43	5274	2.053	ug/l	90
18) Methyl Acetate	2.709	43	1066	0.239	ug/l #	76
20) Methylene Chloride	2.788	84	1433	0.384	ug/l #	74
25) 2-Butanone	4.574	43	744	0.250	ug/l	99
31) Cyclohexane	5.556	56	7458	1.219	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	28353	4.655	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38990	5.670	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	169286	28.584	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169286	84.945	ug/l #	15

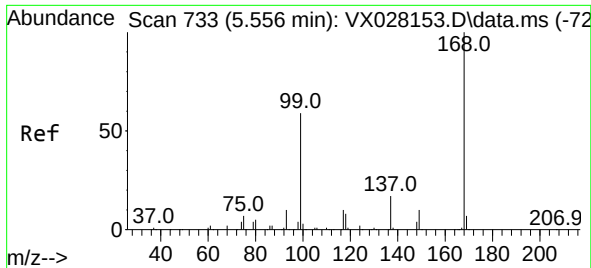
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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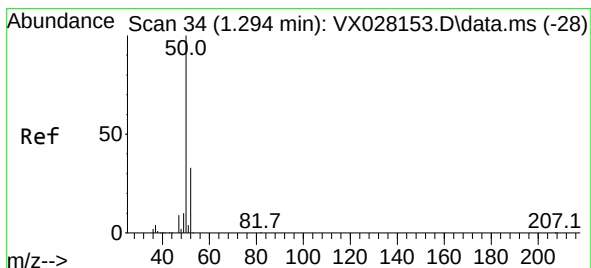
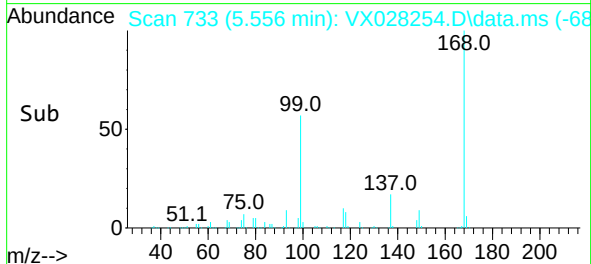
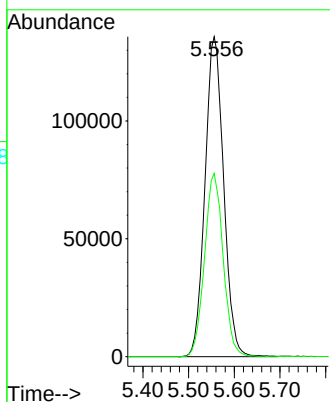
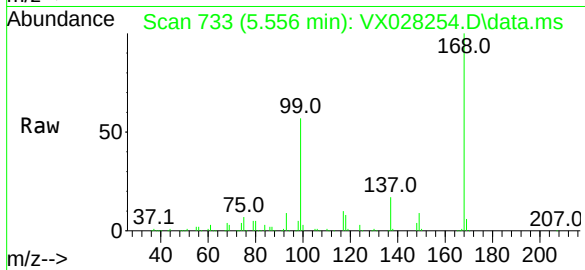




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

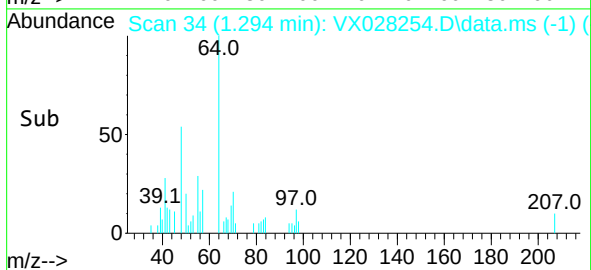
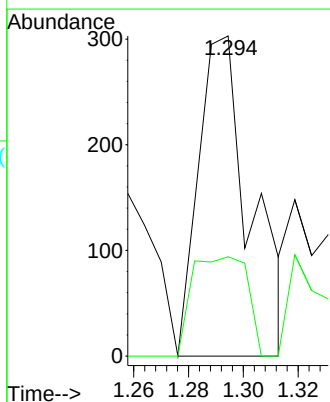
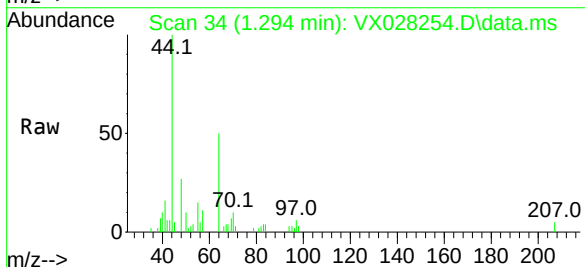
Instrument :
MSVOA_X
ClientSampleId :
1502

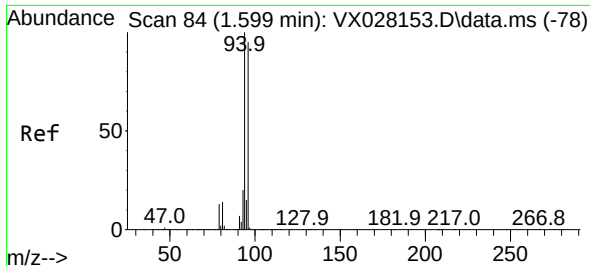
Tgt Ion:168 Resp: 385292
Ion Ratio Lower Upper
168 100
99 57.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Tgt Ion: 50 Resp: 400
Ion Ratio Lower Upper
50 100
52 31.0 26.4 39.6

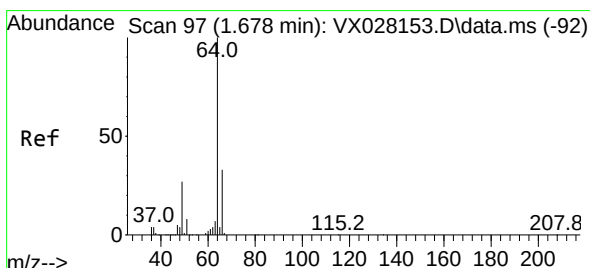
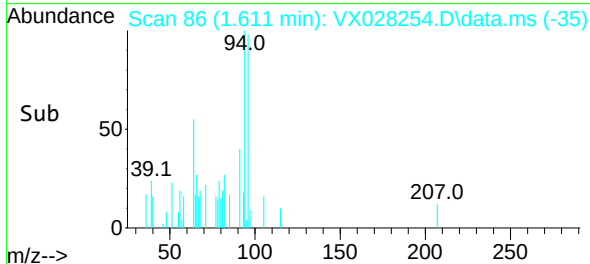
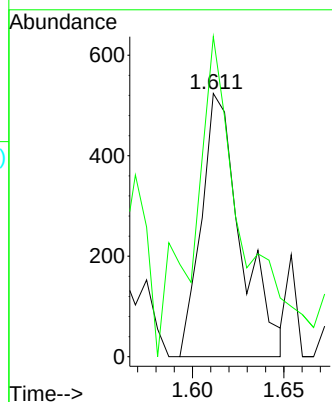
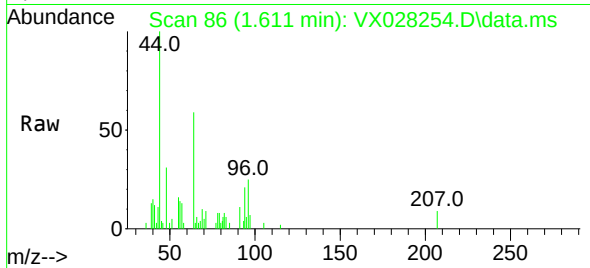




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

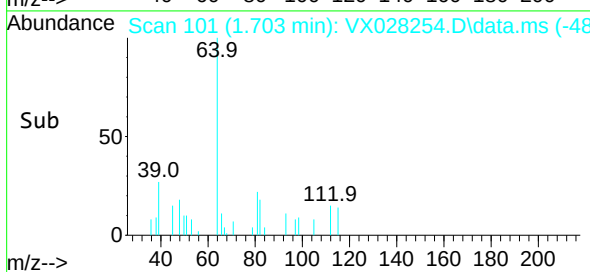
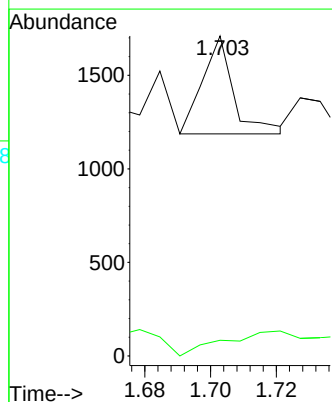
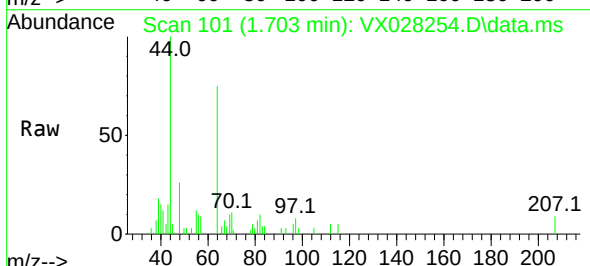
Instrument :
MSVOA_X
ClientSampleId :
1502

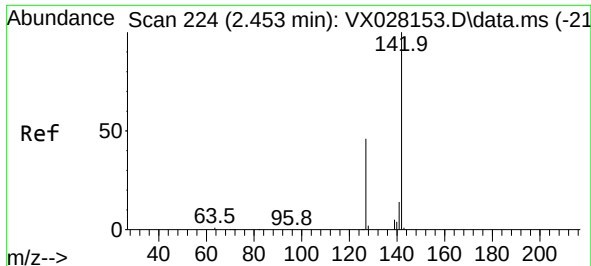
Tgt Ion: 94 Resp: 791
Ion Ratio Lower Upper
94 100
96 99.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.025 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

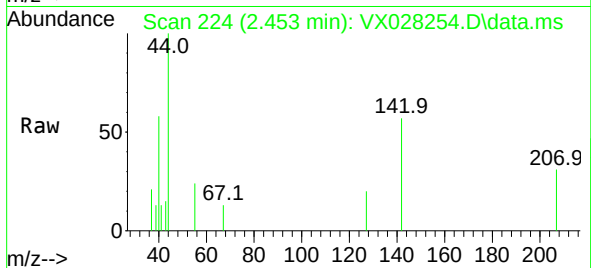
Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 16.1 25.3 37.9#



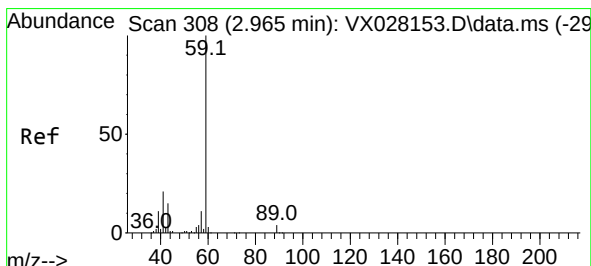
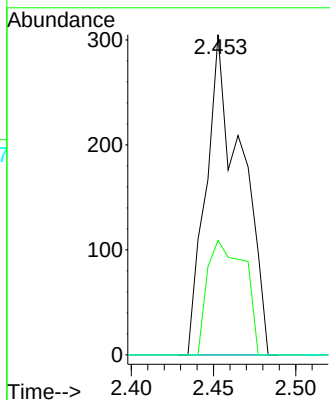
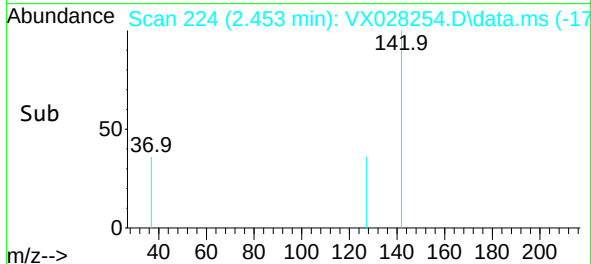


#10
Methyl Iodide
Concen: 5.330 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Instrument :
MSVOA_X
ClientSampleId :
1502

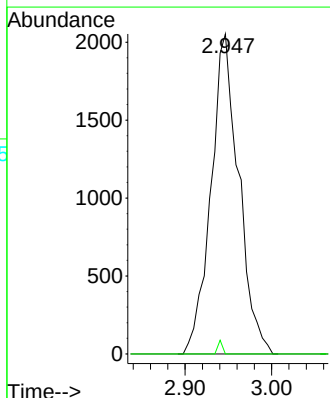
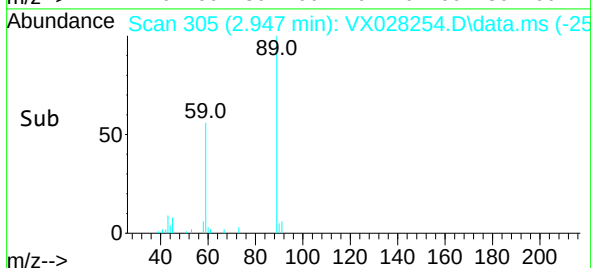
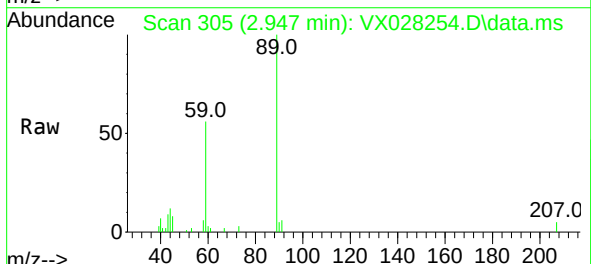


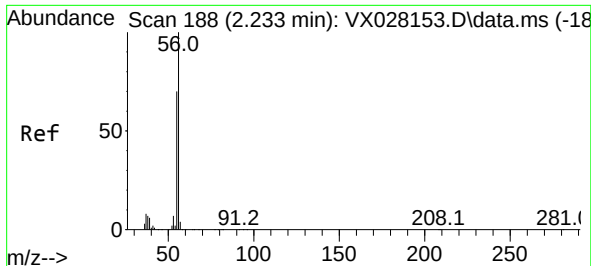
Tgt Ion:142 Resp: 455
Ion Ratio Lower Upper
142 100
127 37.4 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Tgt Ion: 59 Resp: 4569
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

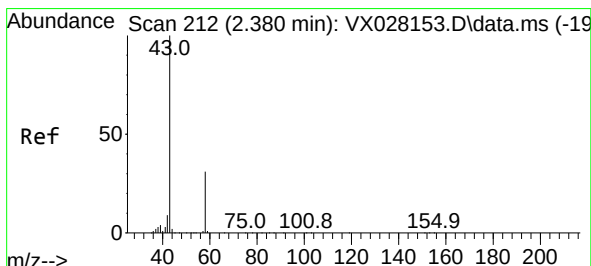
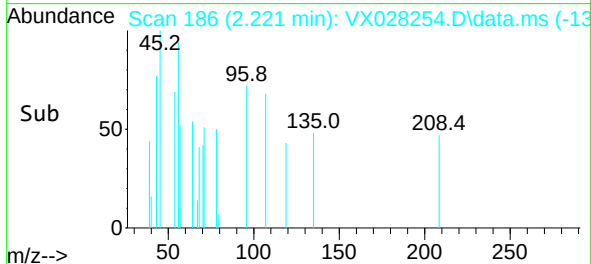
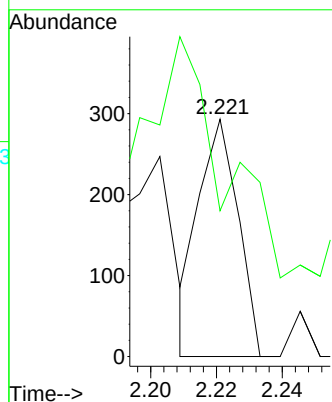
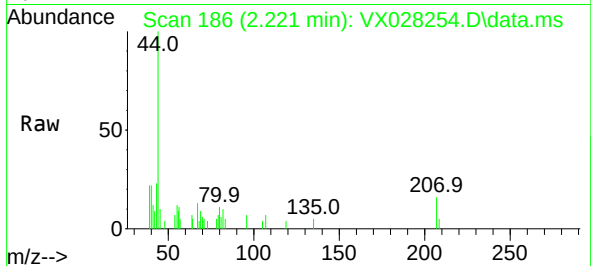




#13
Acrolein
Concen: 0.393 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.012 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

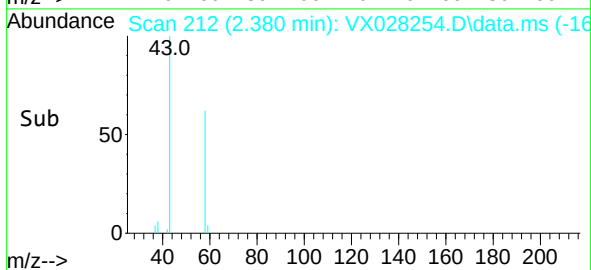
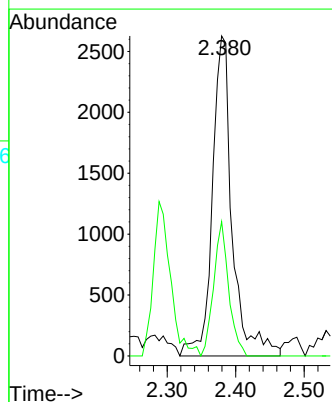
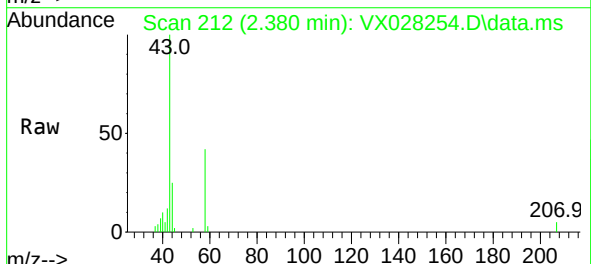
Instrument :
MSVOA_X
ClientSampleId :
1502

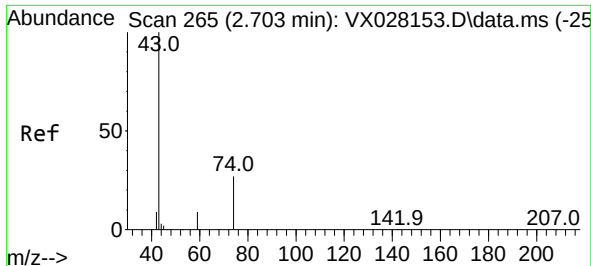
Tgt Ion: 56 Resp: 242
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#16
Acetone
Concen: 2.053 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Tgt Ion: 43 Resp: 5274
Ion Ratio Lower Upper
43 100
58 41.9 28.8 43.2

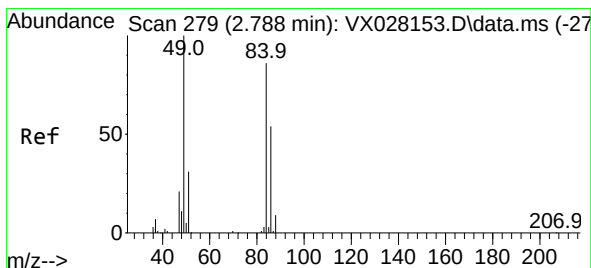
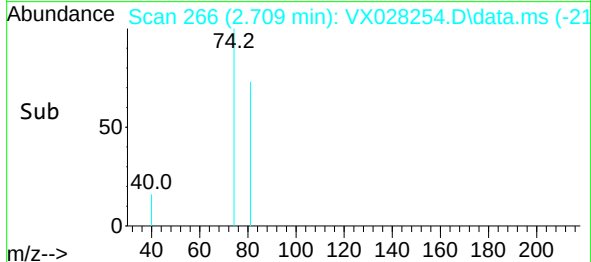
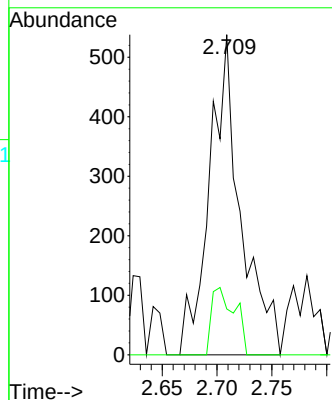
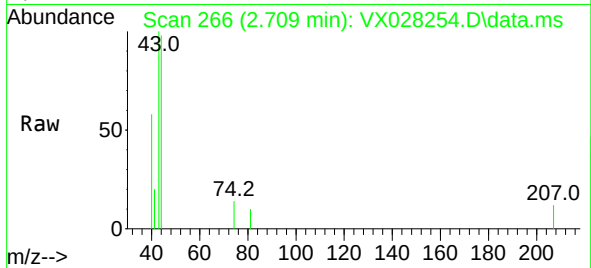




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

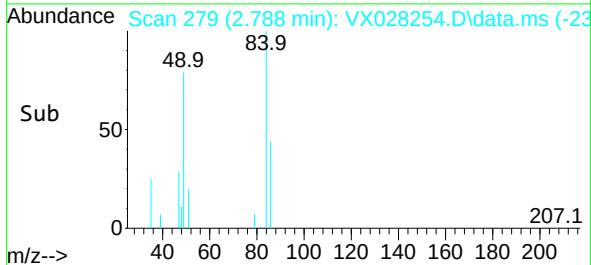
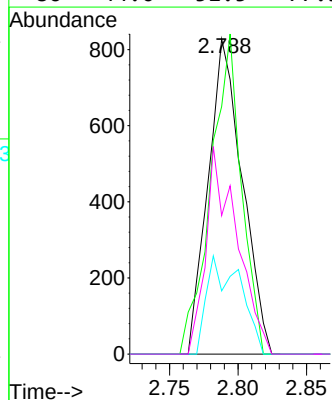
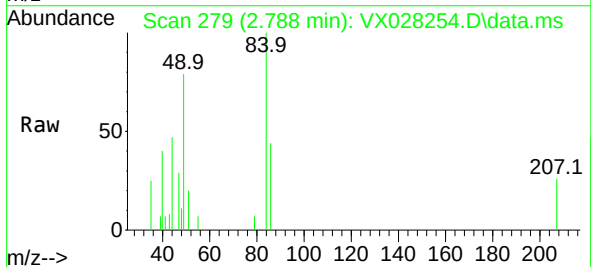
Instrument :
MSVOA_X
ClientSampleId :
1502

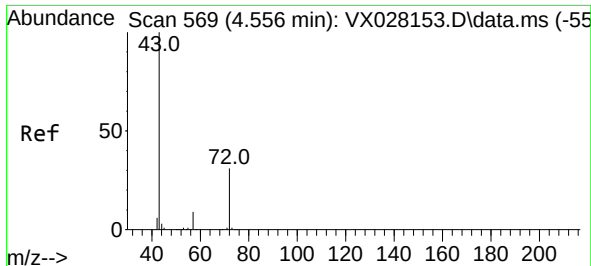
Tgt Ion: 43 Resp: 1066
Ion Ratio Lower Upper
43 100
74 15.6 22.8 34.2#



#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Tgt Ion: 84 Resp: 1433
Ion Ratio Lower Upper
84 100
49 78.5 85.5 128.3#
51 20.0 26.6 39.8#
86 44.0 51.5 77.3#





#25

2-Butanone

Concen: 0.250 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

Instrument :

MSVOA_X

ClientSampleId :

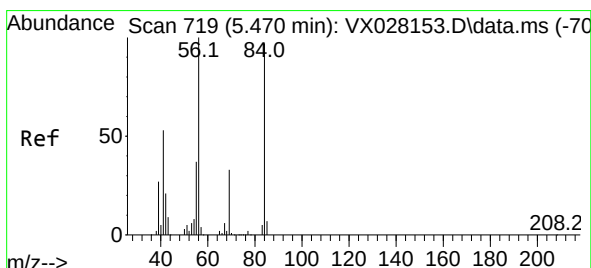
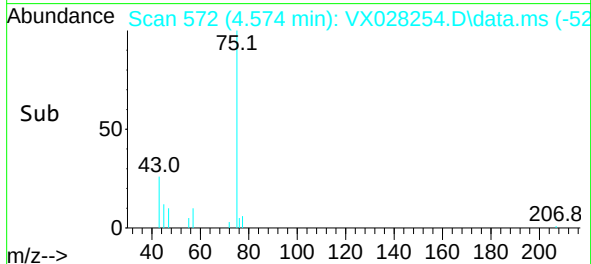
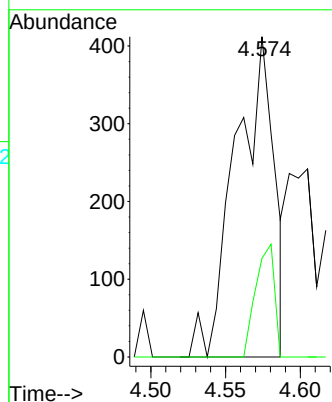
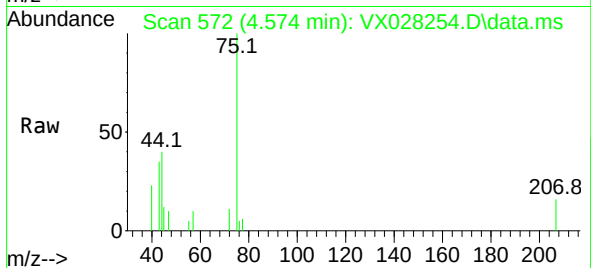
1502

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

72 30.8 24.4 36.6



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

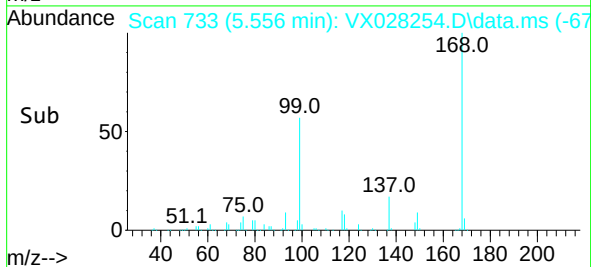
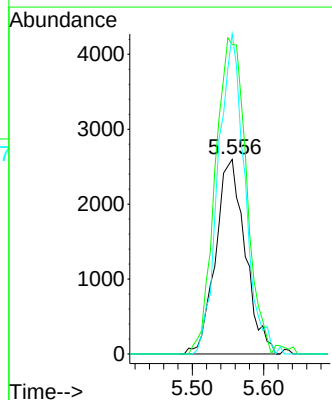
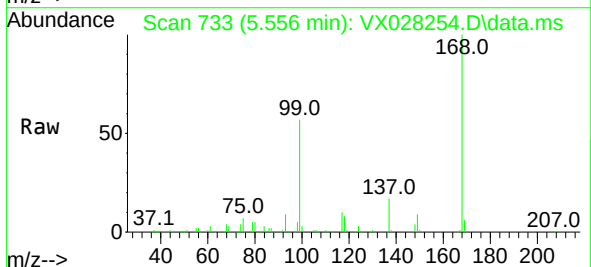
Tgt Ion: 56 Resp: 7458

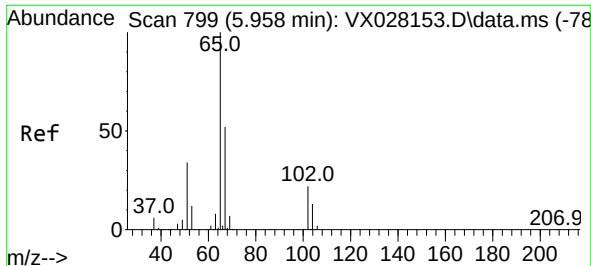
Ion Ratio Lower Upper

56 100

69 159.1 26.7 40.1#

84 164.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.790 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

Instrument :

MSVOA_X

ClientSampleId :

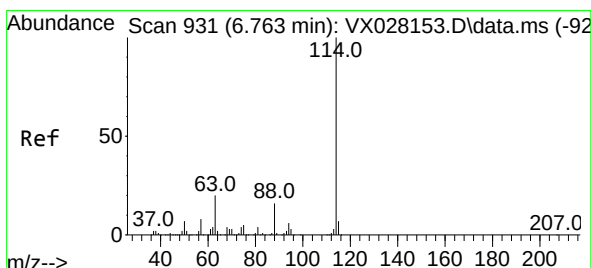
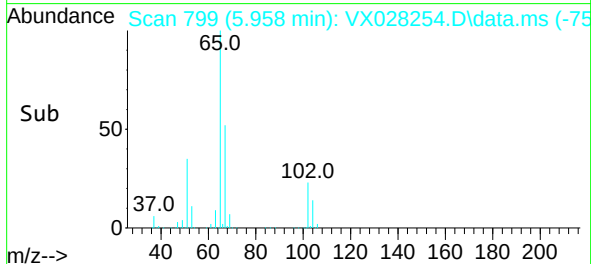
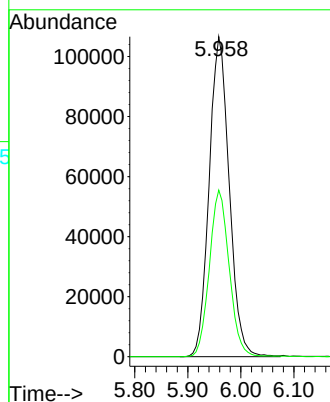
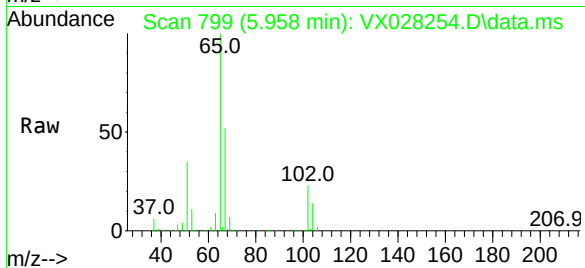
1502

Tgt Ion: 65 Resp: 280274

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

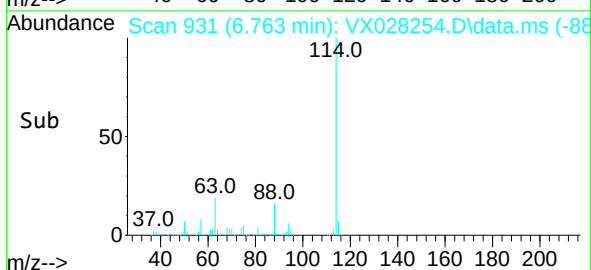
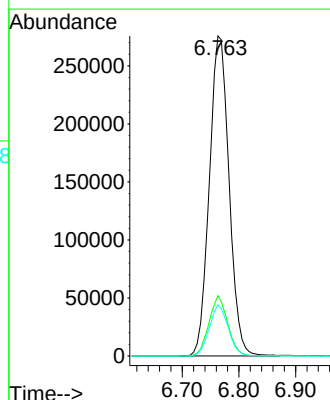
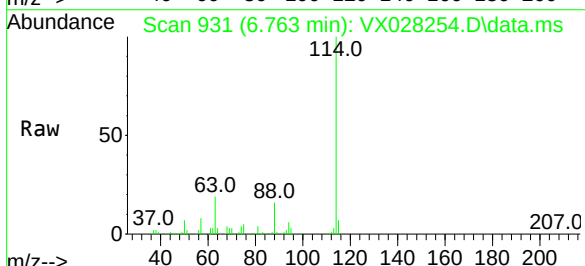
Tgt Ion: 114 Resp: 665881

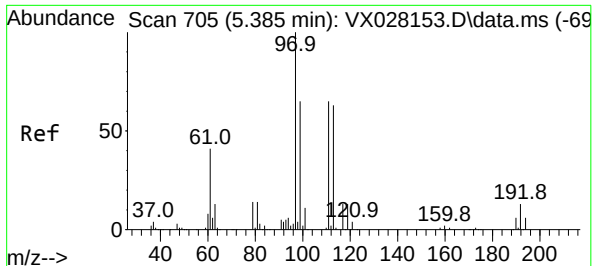
Ion Ratio Lower Upper

114 100

63 18.9 0.0 36.8

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.131 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

Instrument :

MSVOA_X

ClientSampleId :

1502

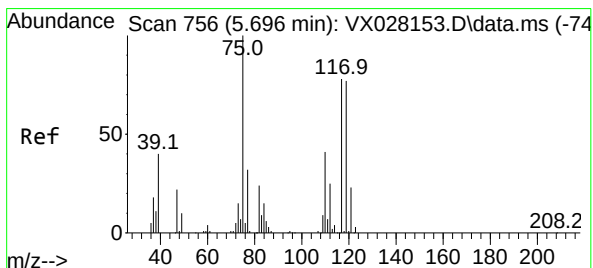
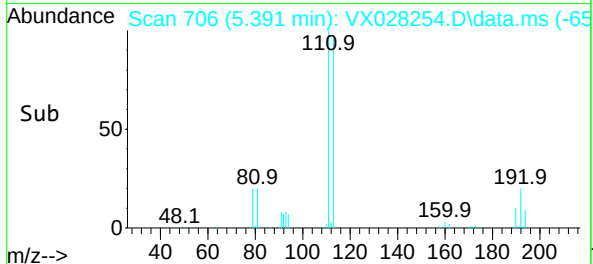
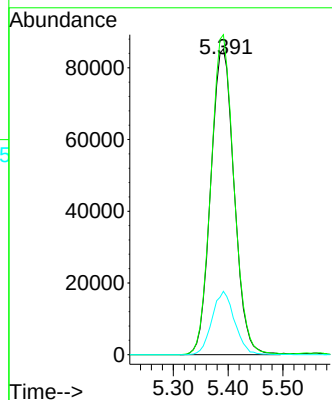
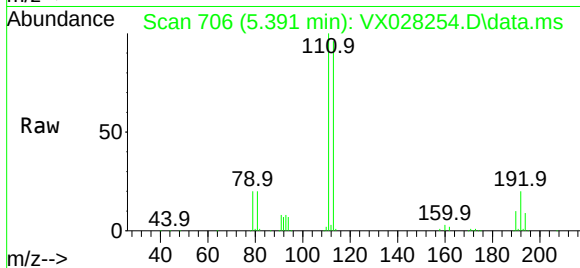
Tgt Ion:113 Resp: 252779

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 20.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.655 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

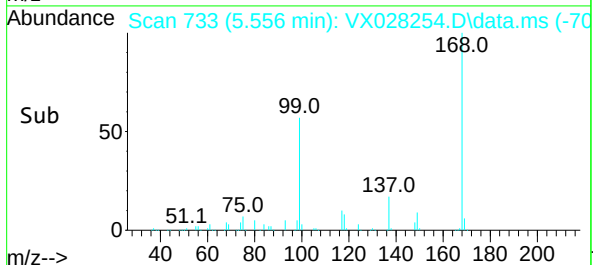
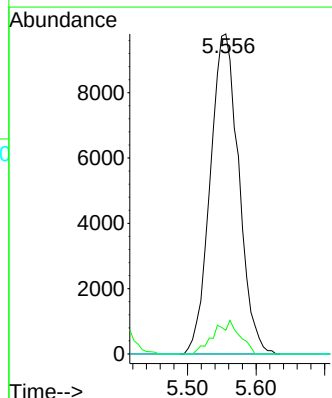
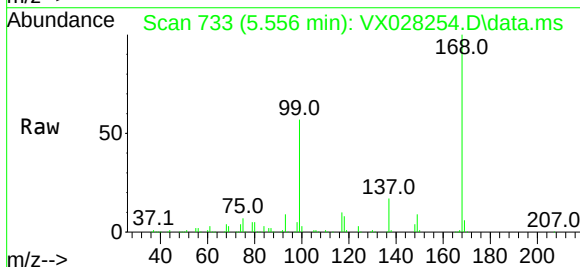
Tgt Ion: 75 Resp: 28353

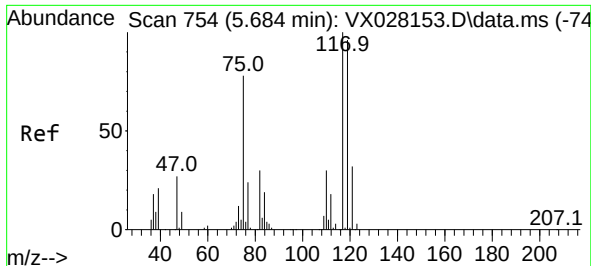
Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.8#

77 0.0 24.8 37.2#

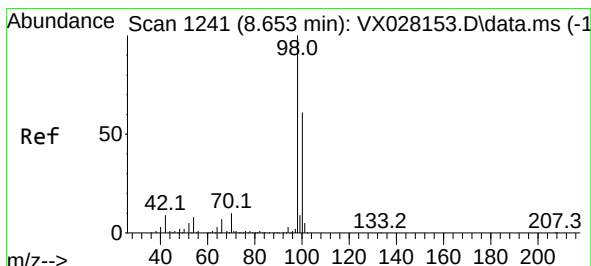
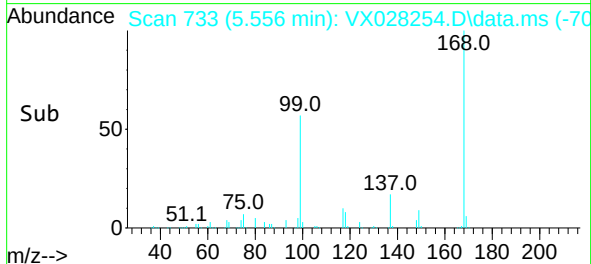
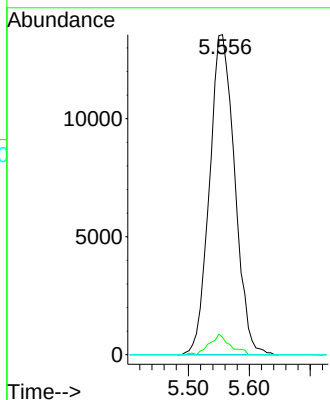
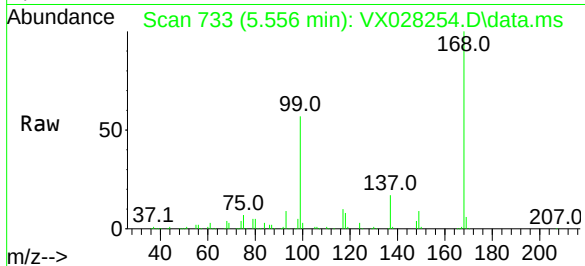




#38
Carbon Tetrachloride
Concen: 5.670 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

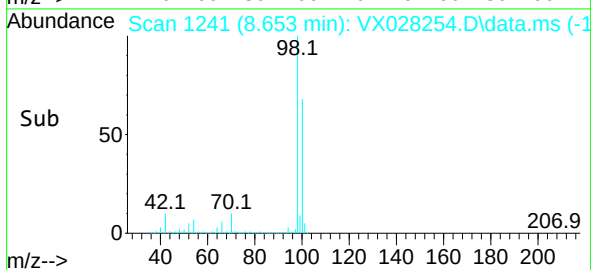
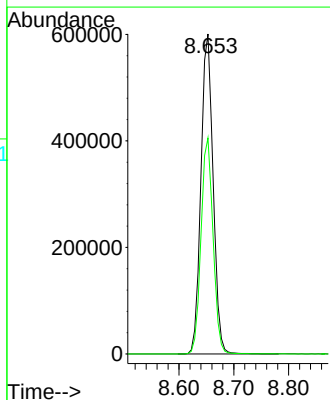
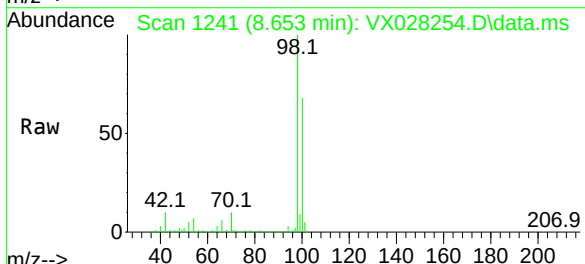
Instrument :
MSVOA_X
ClientSampleId :
1502

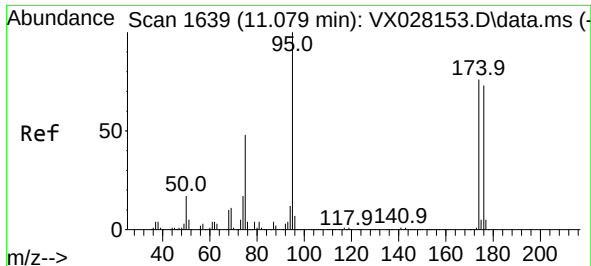
Tgt Ion:117 Resp: 38990
Ion Ratio Lower Upper
117 100
119 5.4 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.614 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028254.D
Acq: 21 Apr 2022 20:15

Tgt Ion: 98 Resp: 925731
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 48.920 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

Instrument :

MSVOA_X

ClientSampleId :

1502

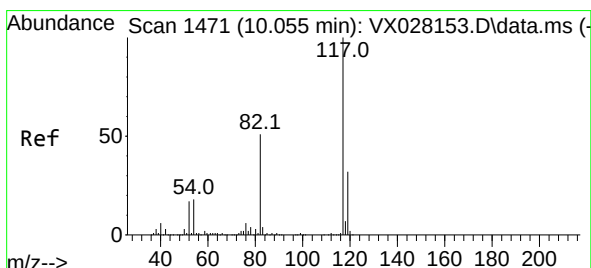
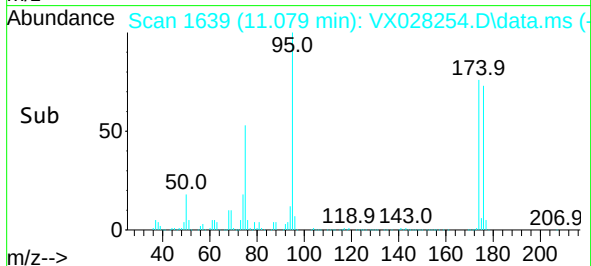
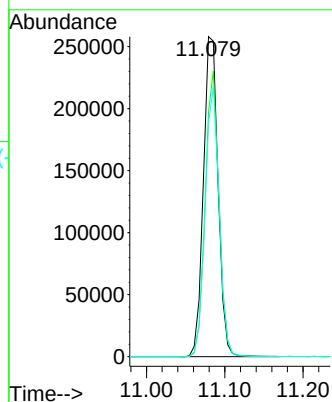
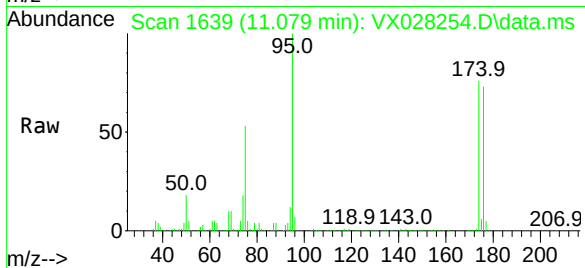
Tgt Ion: 95 Resp: 335486

Ion Ratio Lower Upper

95 100

174 84.2 0.0 163.0

176 80.7 0.0 155.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

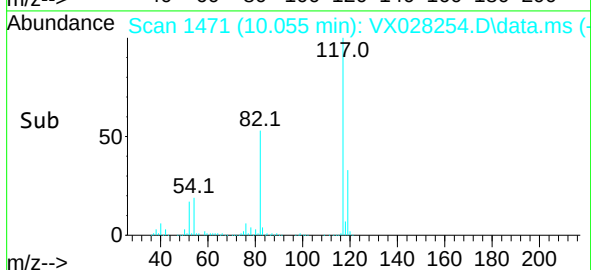
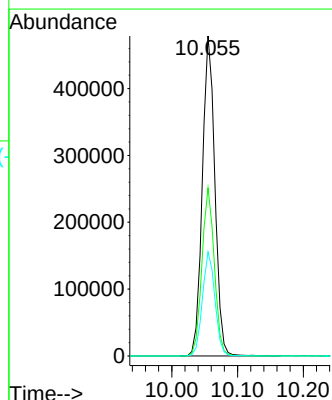
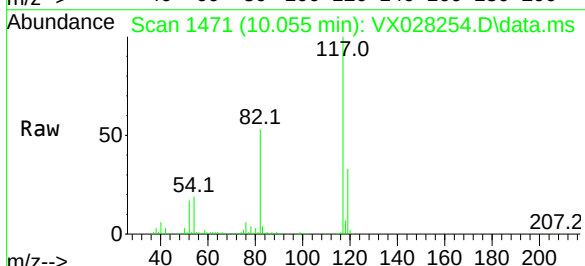
Tgt Ion: 117 Resp: 635433

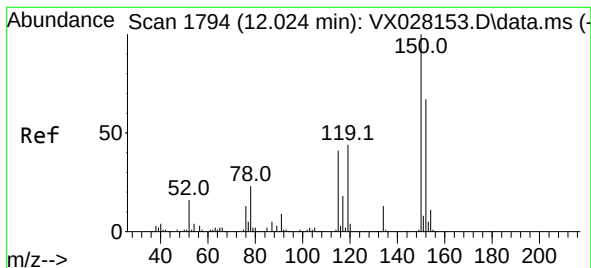
Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

119 32.5 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028254.D

Acq: 21 Apr 2022 20:15

Instrument :

MSVOA_X

ClientSampleId :

1502

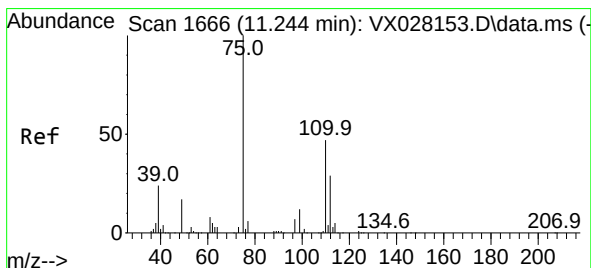
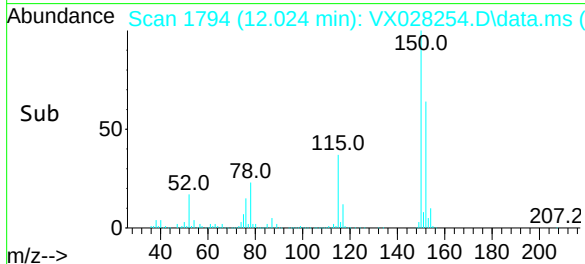
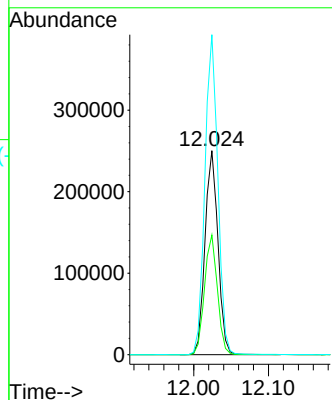
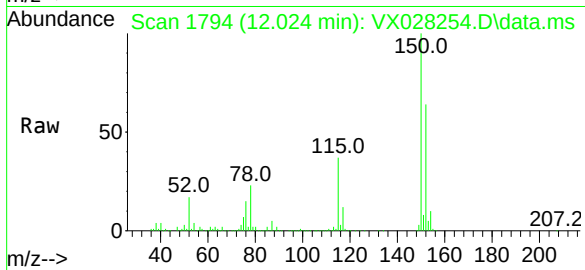
Tgt Ion:152 Resp: 300923

Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 157.2 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 28.584 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028254.D

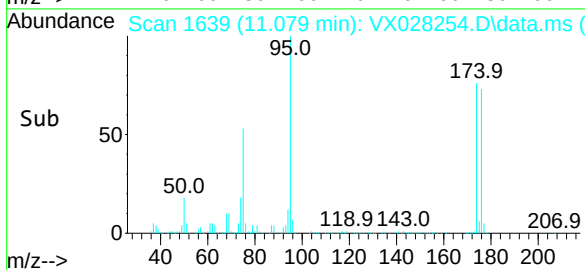
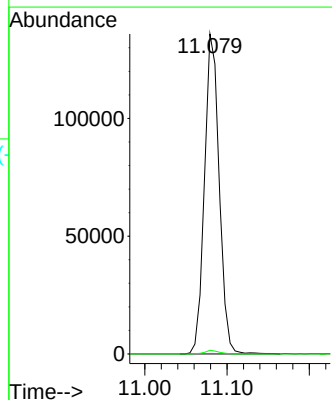
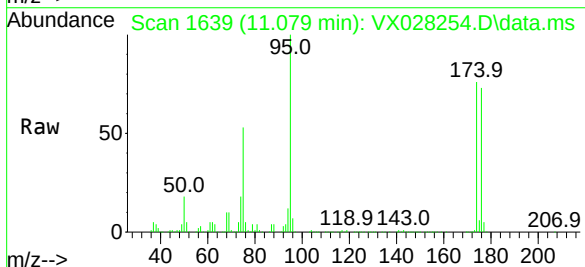
Acq: 21 Apr 2022 20:15

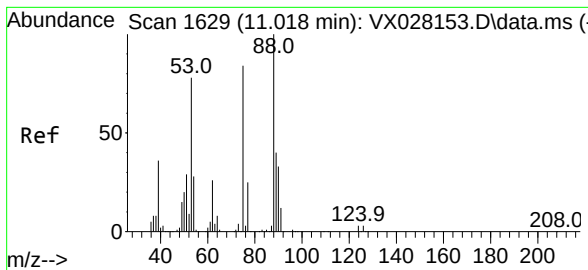
Tgt Ion: 75 Resp: 169286

Ion Ratio Lower Upper

75 100

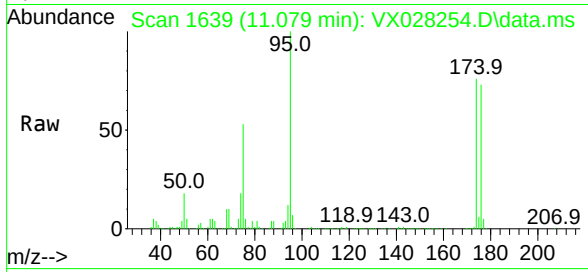
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.945 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028254.D
 Acq: 21 Apr 2022 20:15

Instrument :
 MSVOA_X
 ClientSampleId :
 1502



Tgt Ion: 75 Resp: 169286
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

