

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028255.D
 Acq On : 21 Apr 2022 20:39
 Operator : JC/MD
 Sample : N2511-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1551

Quant Time: Apr 22 06:20:12 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	399244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	692133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	654441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	315120	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	326788	62.775	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 125.560%	
35) Dibromofluoromethane	5.391	113	296611	61.108	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 122.220%	
50) Toluene-d8	8.653	98	1088109	58.366	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 116.740%	
62) 4-Bromofluorobenzene	11.079	95	397624	55.782	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 111.560%	

Target Compounds

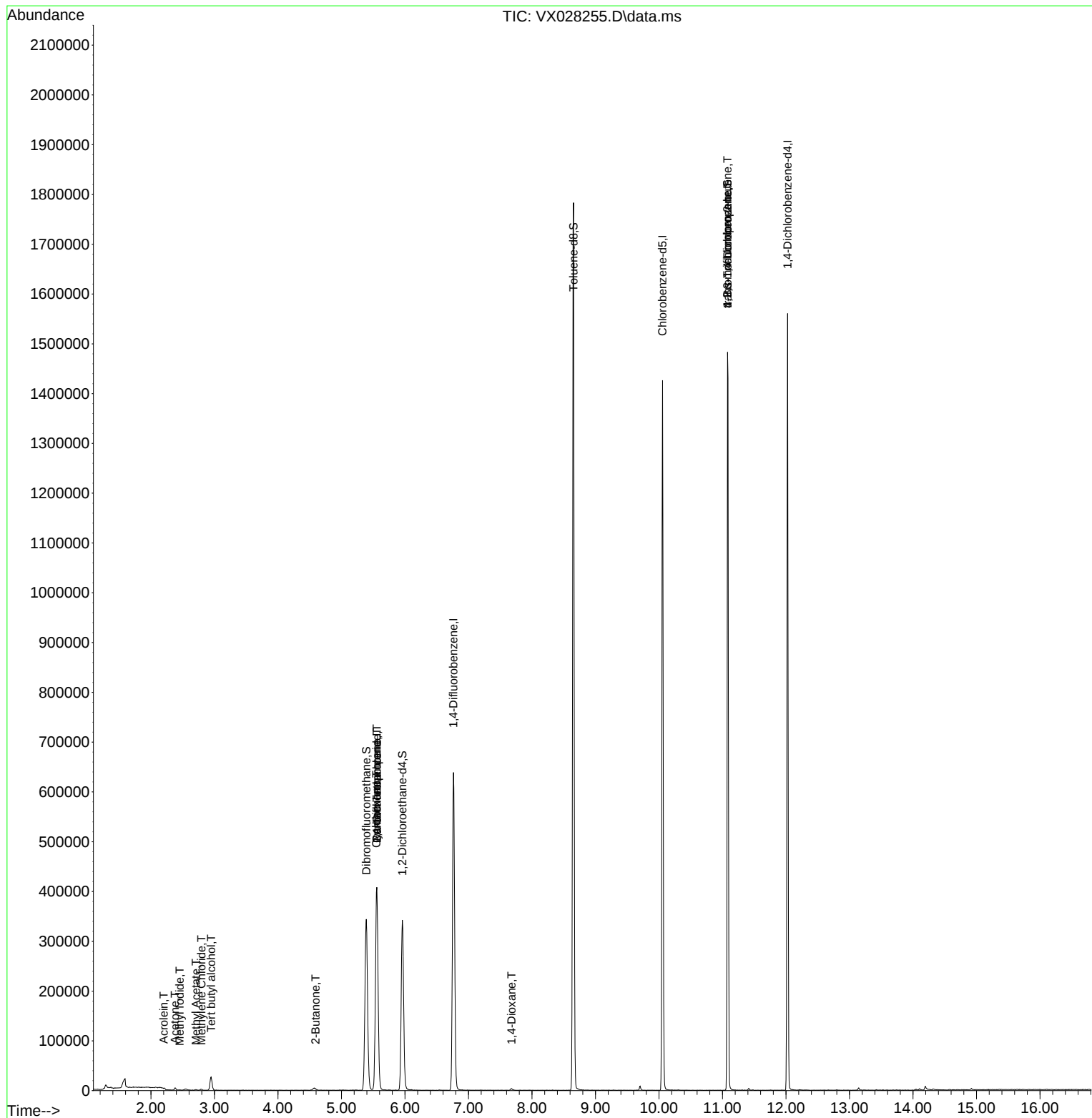
					Qvalue	
3) Chloromethane	1.288	50	575	Below Cal		97
5) Bromomethane	1.612	94	1114	Below Cal	#	79
6) Chloroethane	1.691	64	1095	Below Cal	#	71
8) Diethyl Ether	2.142	74	37	Below Cal	#	7
10) Methyl Iodide	2.453	142	377	5.311	ug/l #	68
11) Tert butyl alcohol	2.947	59	14879	5.197	ug/l #	75
13) Acrolein	2.203	56	169	0.265	ug/l #	1
16) Acetone	2.380	43	4628	1.523	ug/l #	87
18) Methyl Acetate	2.709	43	1775	0.383	ug/l	91
20) Methylene Chloride	2.794	84	1074	0.278	ug/l #	68
25) 2-Butanone	4.593	43	892	0.289	ug/l #	44
31) Cyclohexane	5.550	56	8120	1.280	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	29391	4.642	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39921	5.585	ug/l #	15
49) 1,4-Dioxane	7.678	88	3015	23.478	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	196618	31.704	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	196618	94.215	ug/l #	15

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

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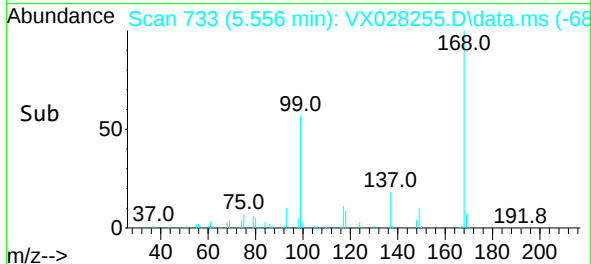
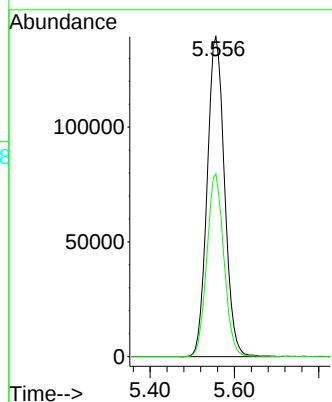
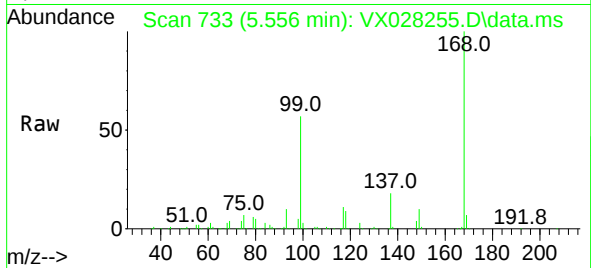




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

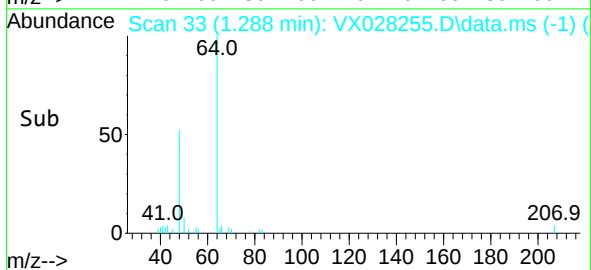
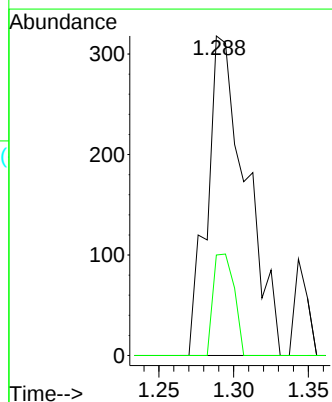
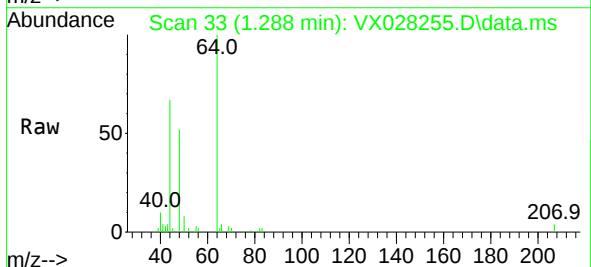
Instrument :
MSVOA_X
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1551

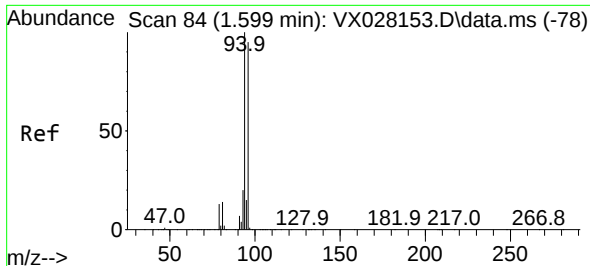
Tgt Ion:168 Resp: 399244
Ion Ratio Lower Upper
168 100
99 57.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion: 50 Resp: 575
Ion Ratio Lower Upper
50 100
52 31.4 26.4 39.6

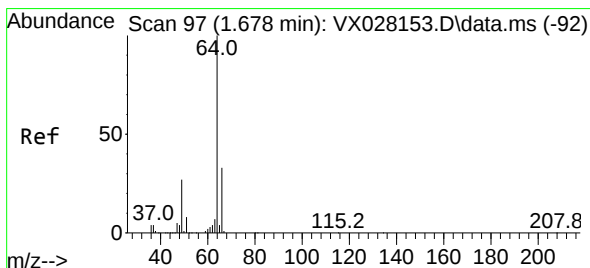
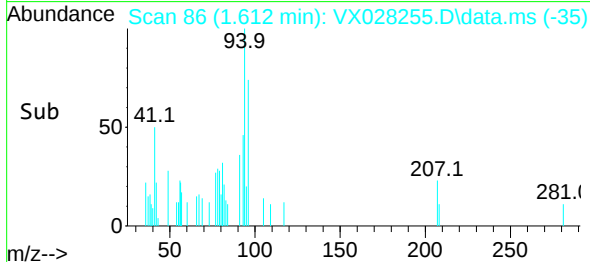
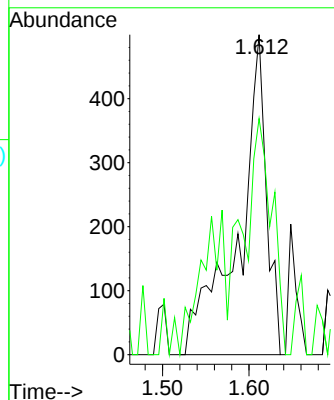
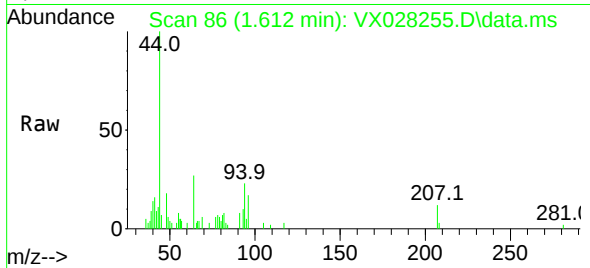




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

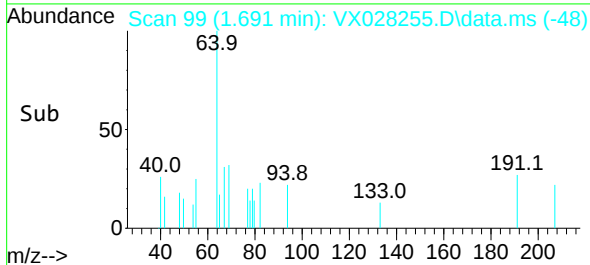
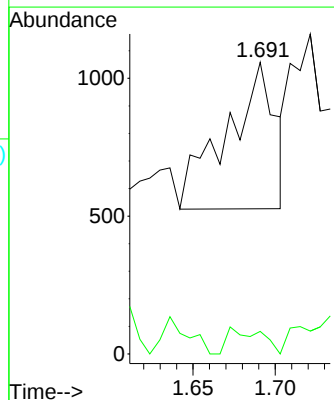
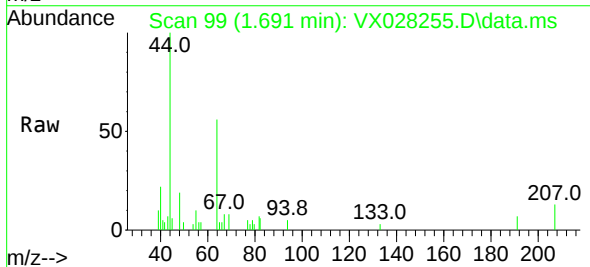
Instrument :
MSVOA_X
ClientSampleId :
1551

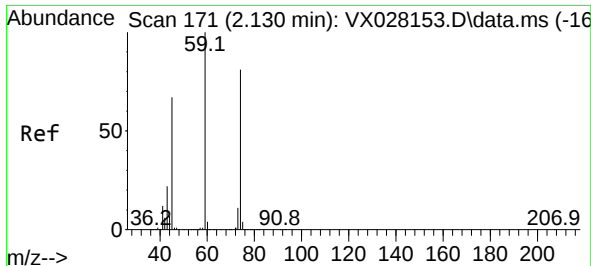
Tgt Ion: 94 Resp: 1114
Ion Ratio Lower Upper
94 100
96 73.8 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion: 64 Resp: 1095
Ion Ratio Lower Upper
64 100
66 15.4 25.3 37.9#

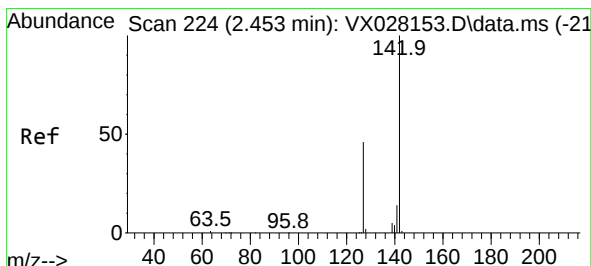
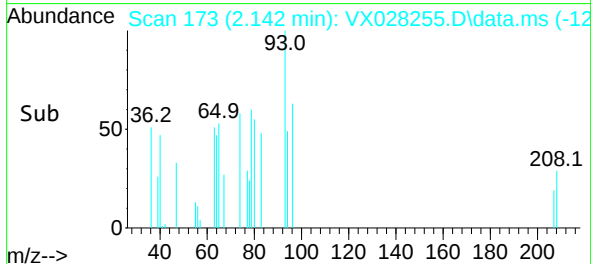
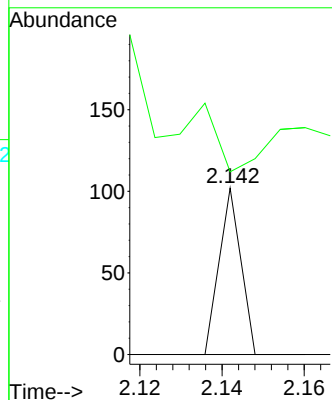
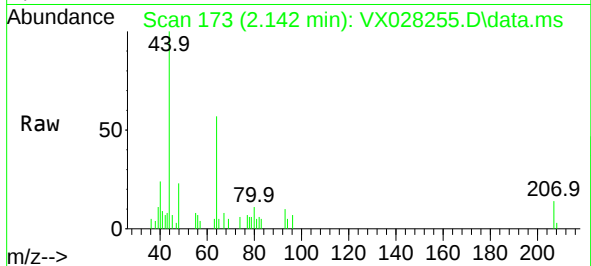




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

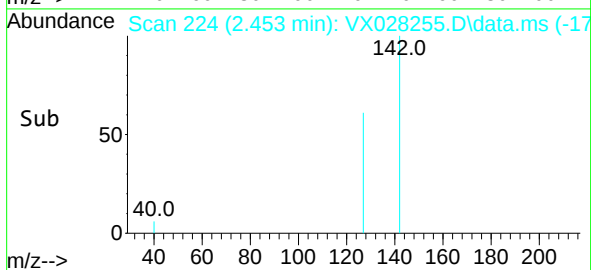
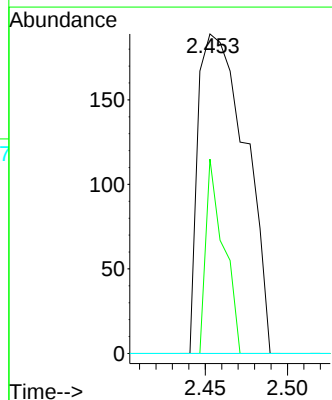
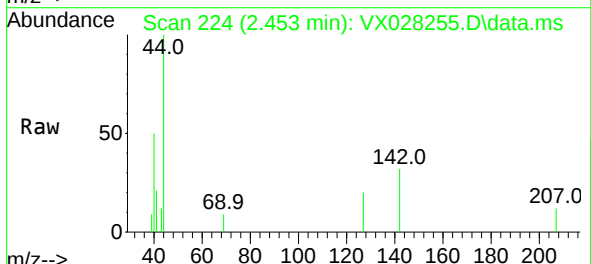
Instrument :
MSVOA_X
ClientSampleId :
1551

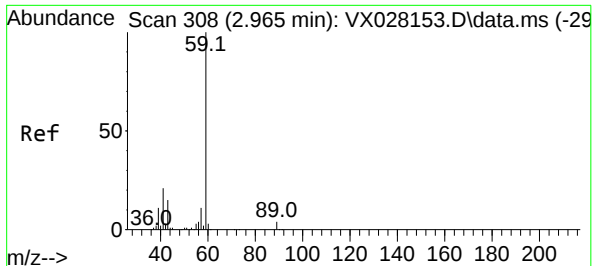
Tgt Ion: 74 Resp: 37
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.311 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion:142 Resp: 377
Ion Ratio Lower Upper
142 100
127 23.1 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 5.197 ug/l

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028255.D

Acq: 21 Apr 2022 20:39

Instrument :

MSVOA_X

ClientSampleId :

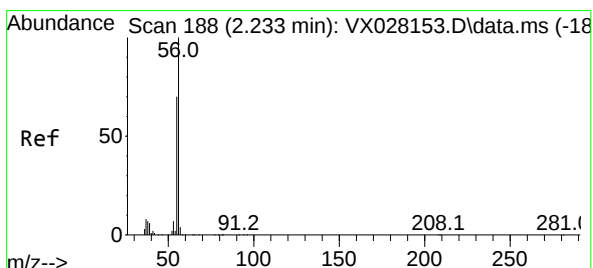
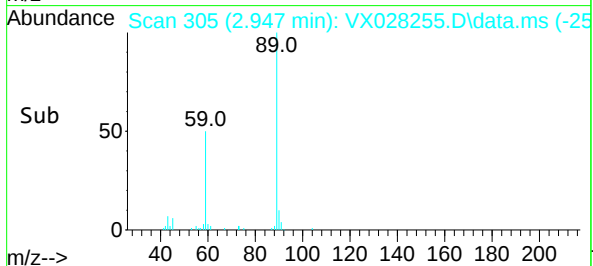
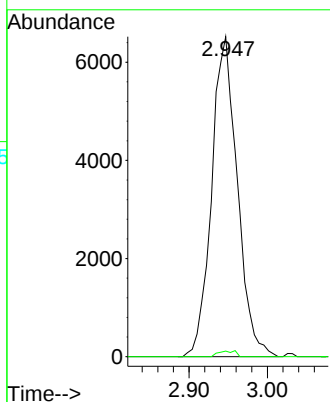
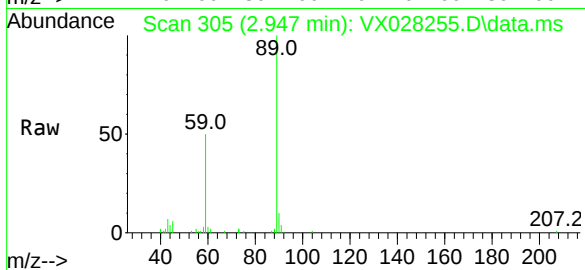
1551

Tgt Ion: 59 Resp: 14879

Ion Ratio Lower Upper

59 100

57 1.2 8.3 12.5#



#13

Acrolein

Concen: 0.265 ug/l

RT: 2.203 min Scan# 183

Delta R.T. -0.030 min

Lab File: VX028255.D

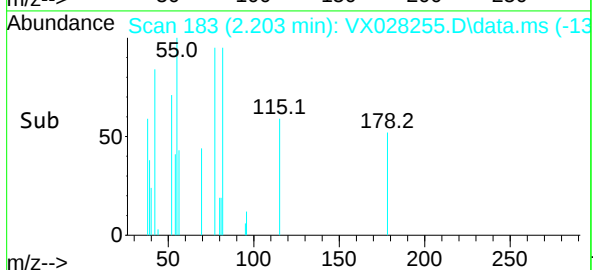
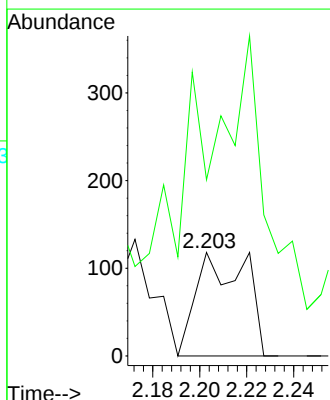
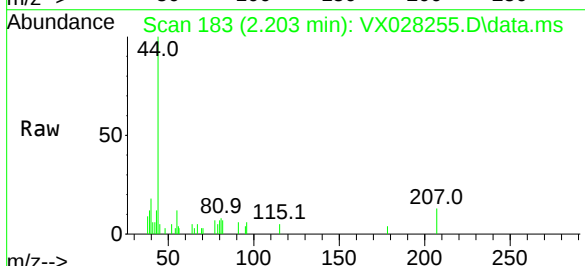
Acq: 21 Apr 2022 20:39

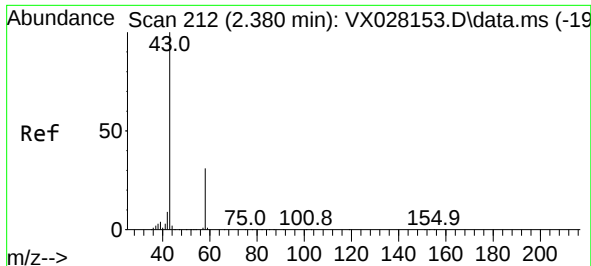
Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 538.5 55.0 82.6#

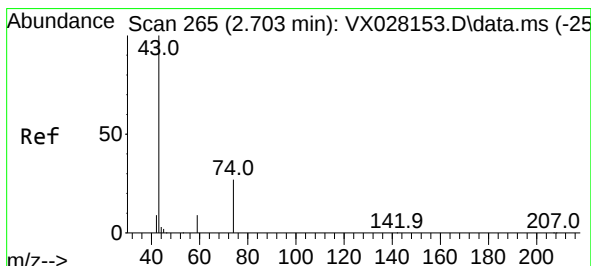
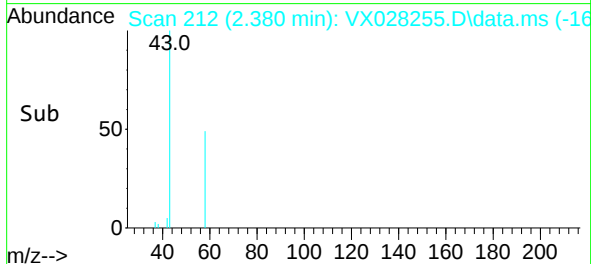
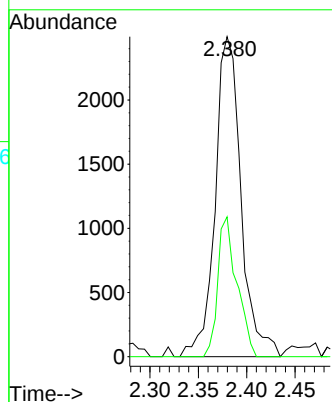
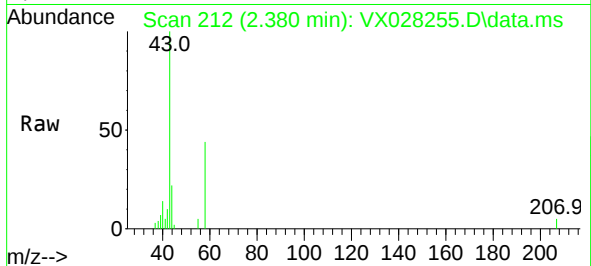




#16
Acetone
Concen: 1.523 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

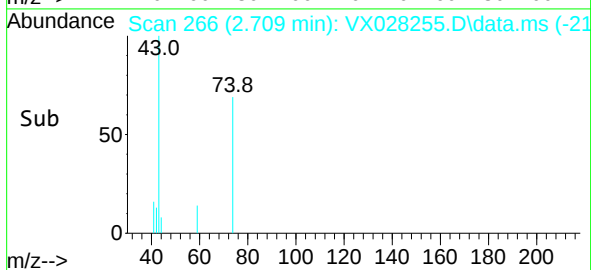
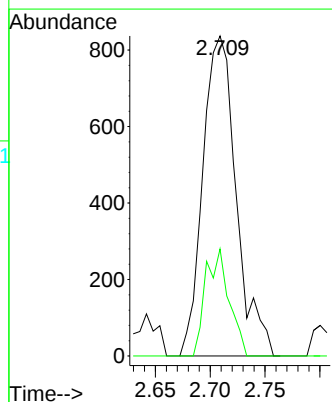
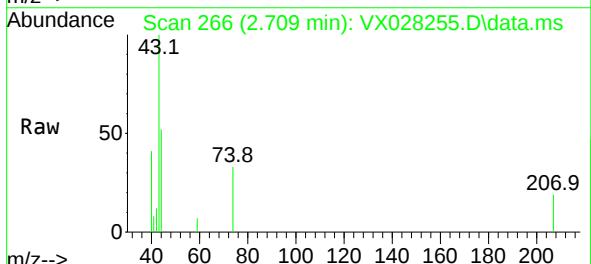
Instrument :
MSVOA_X
ClientSampleId :
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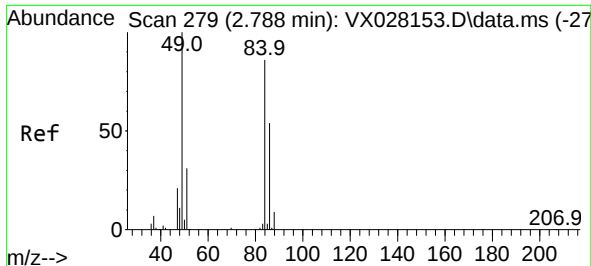
Tgt Ion: 43 Resp: 4628
Ion Ratio Lower Upper
43 100
58 43.7 28.8 43.2#



#18
Methyl Acetate
Concen: 0.383 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

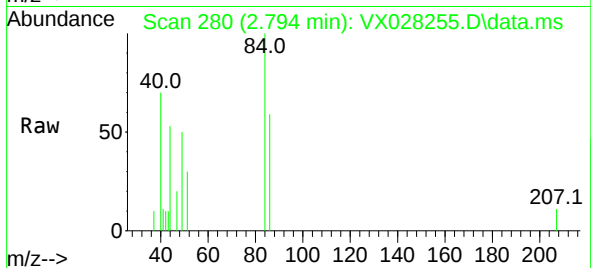
Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
74 23.5 22.8 34.2



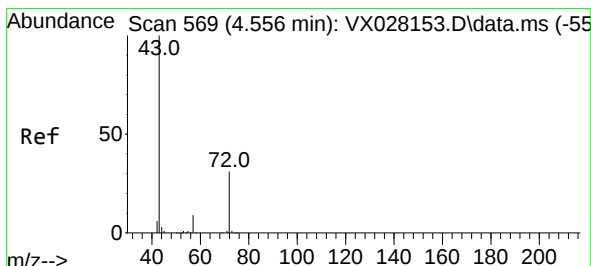
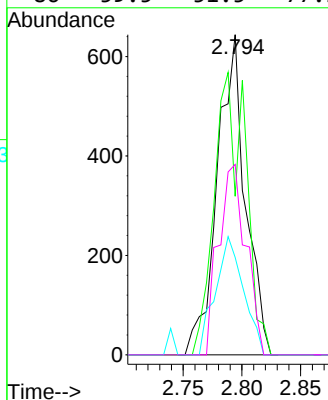
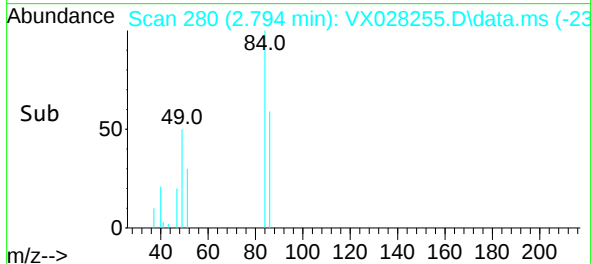


#20
Methylene Chloride
Concen: 0.278 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

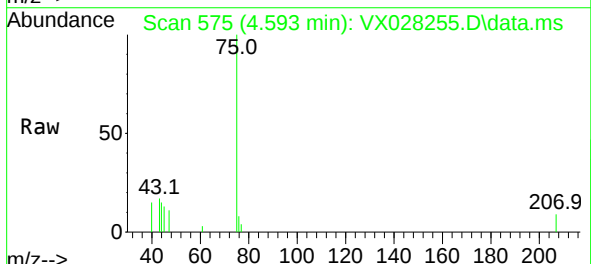
Instrument :
MSVOA_X
ClientSampleId :
1551



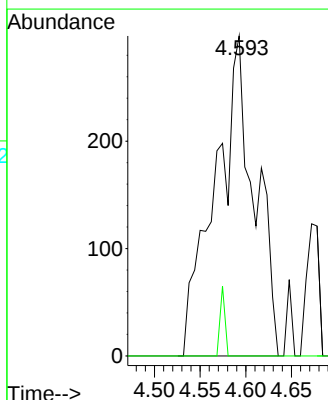
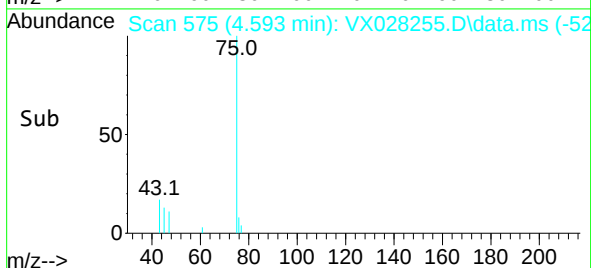
Tgt Ion: 84 Resp: 1074
Ion Ratio Lower Upper
84 100
49 49.5 85.5 128.3#
51 30.4 26.6 39.8
86 59.5 51.5 77.3

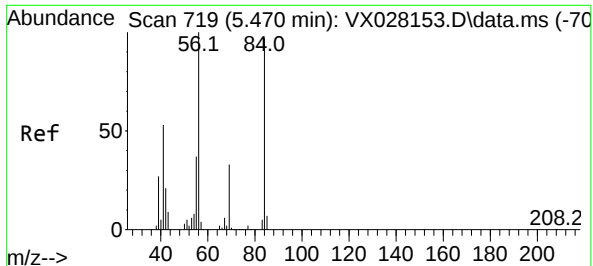


#25
2-Butanone
Concen: 0.289 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39



Tgt Ion: 43 Resp: 892
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#

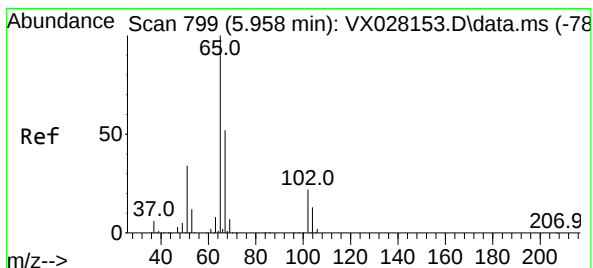
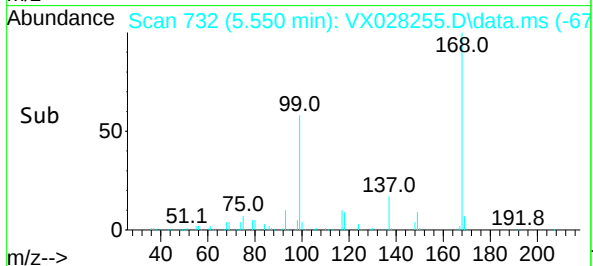
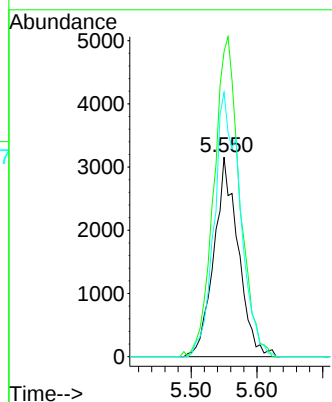
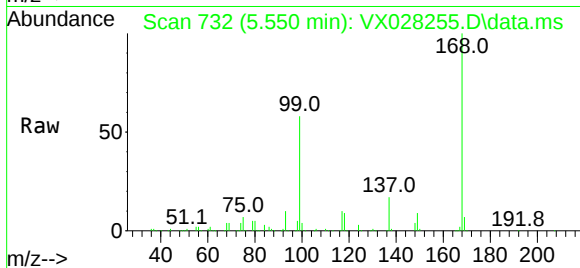




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

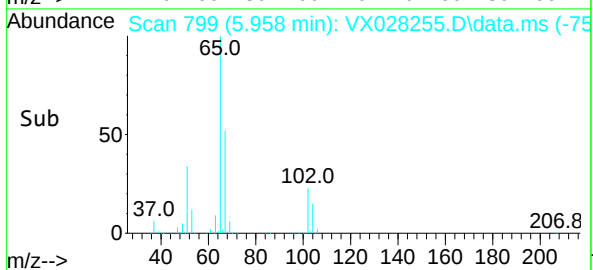
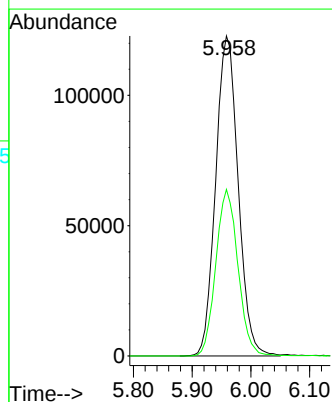
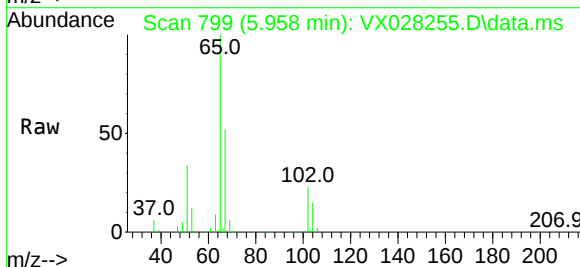
Instrument :
MSVOA_X
ClientSampleId :
1551

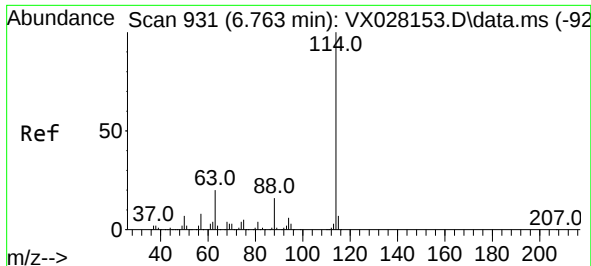
Tgt Ion: 56 Resp: 8120
Ion Ratio Lower Upper
56 100
69 152.9 26.7 40.1#
84 132.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 62.775 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion: 65 Resp: 326788
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.4

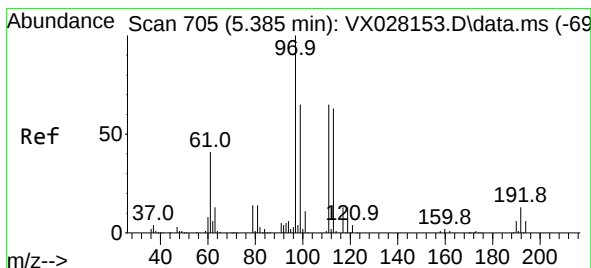
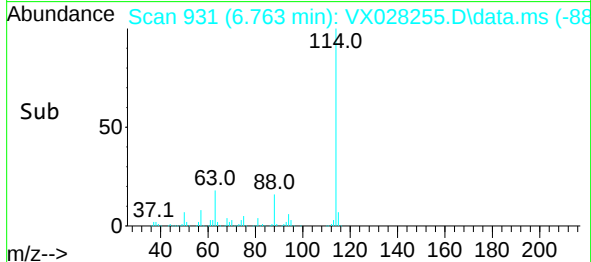
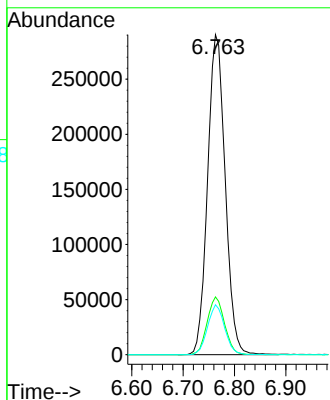
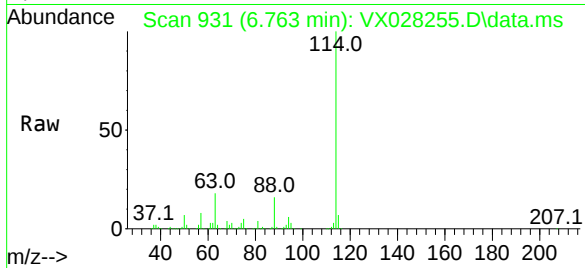




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

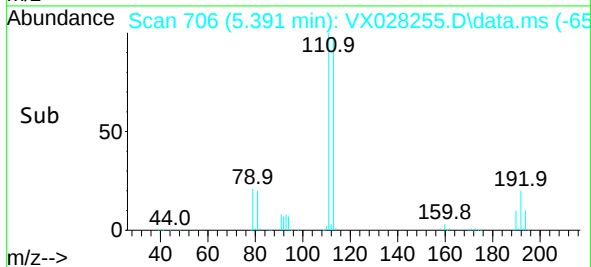
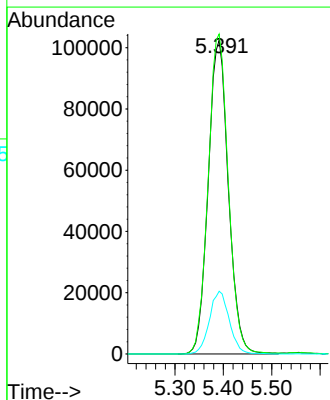
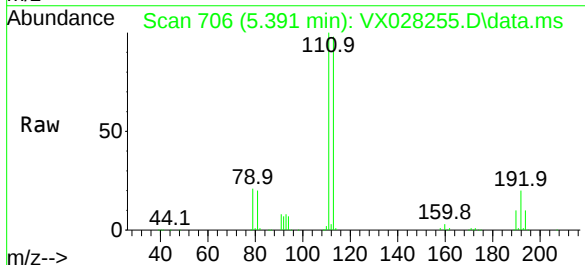
Instrument :
MSVOA_X
ClientSampleId :
1551

Tgt Ion:114 Resp: 692133
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.8
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 61.108 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion:113 Resp: 296611
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 19.7 16.9 25.3

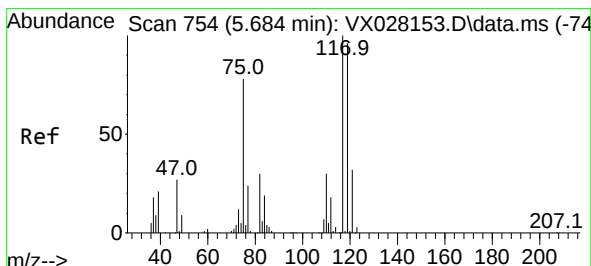
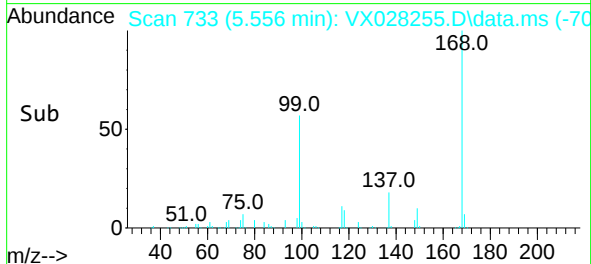
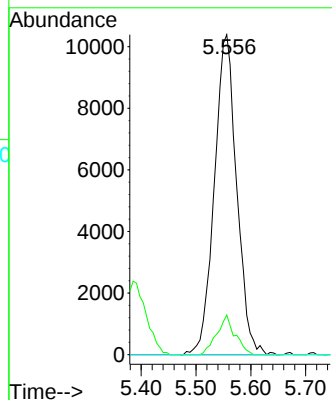
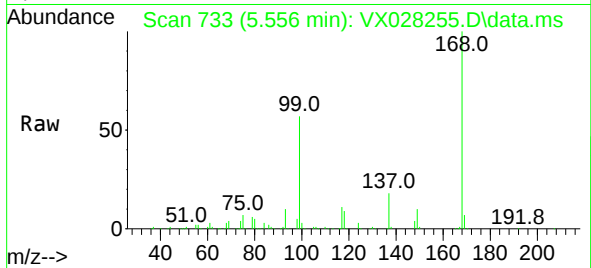




#36
1,1-Dichloropropene
Concen: 4.642 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

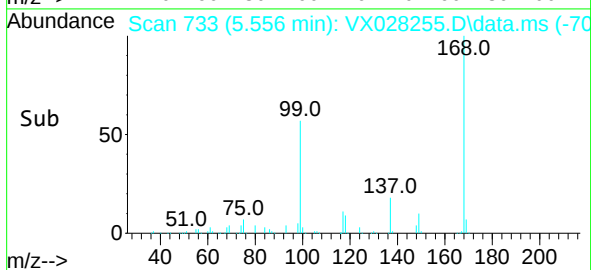
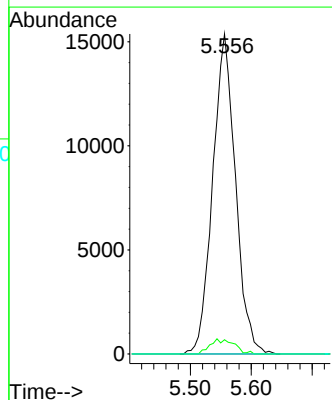
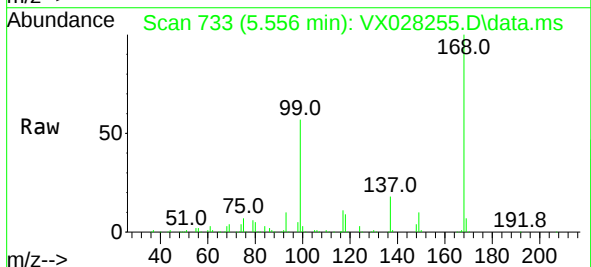
Instrument :
MSVOA_X
ClientSampleId :
1551

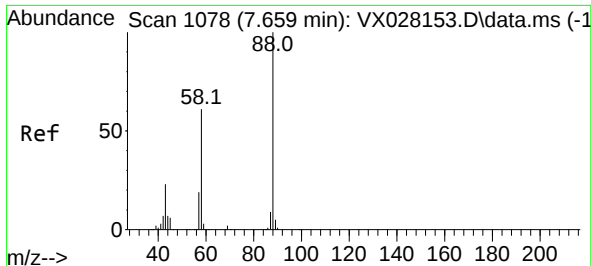
Tgt Ion: 75 Resp: 29391
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.585 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion: 117 Resp: 39921
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 23.478 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX028255.D

Acq: 21 Apr 2022 20:39

Instrument :

MSVOA_X

ClientSampleId :

1551

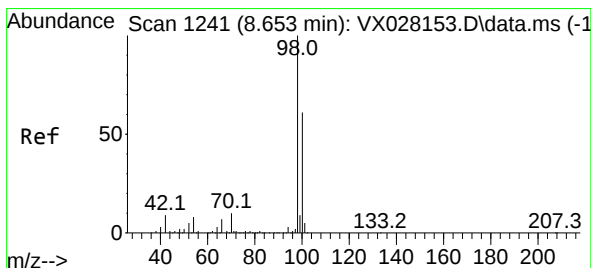
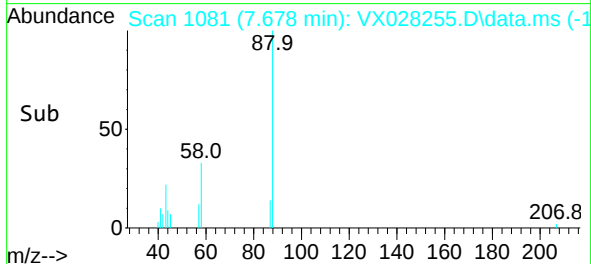
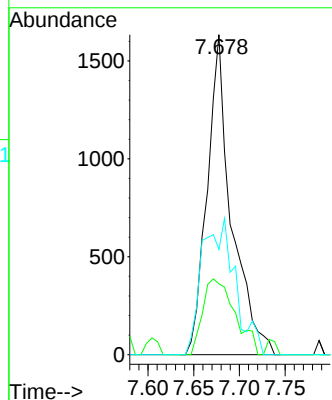
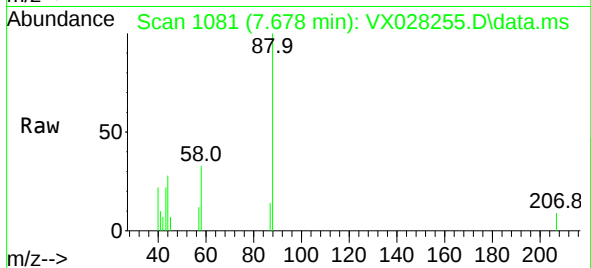
Tgt Ion: 88 Resp: 3015

Ion Ratio Lower Upper

88 100

43 31.3 21.9 32.9

58 57.8 53.7 80.5



#50

Toluene-d8

Concen: 58.366 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028255.D

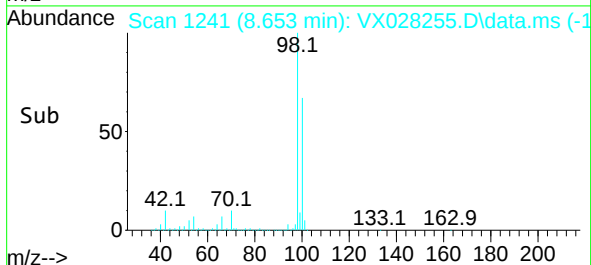
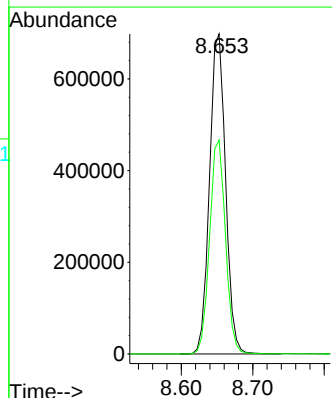
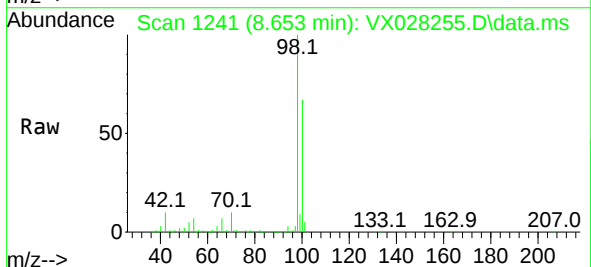
Acq: 21 Apr 2022 20:39

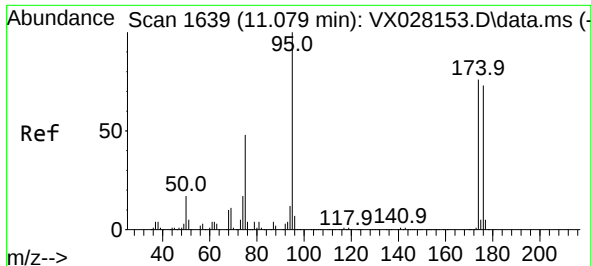
Tgt Ion: 98 Resp: 1088109

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

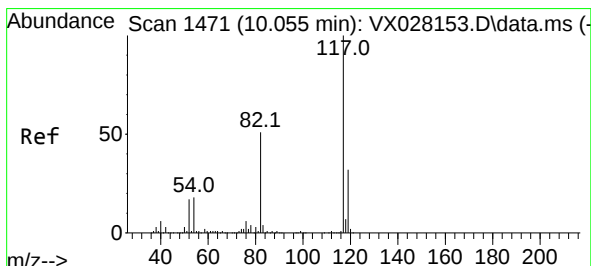
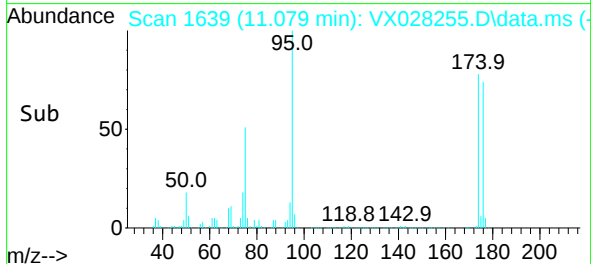
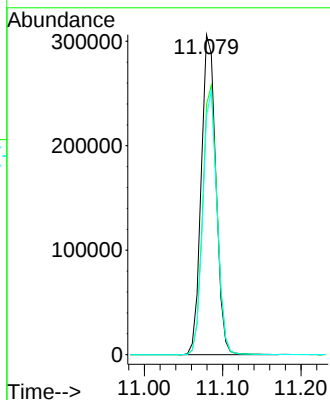
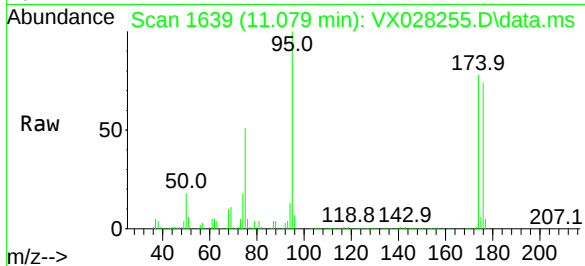




#62
4-Bromofluorobenzene
Concen: 55.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

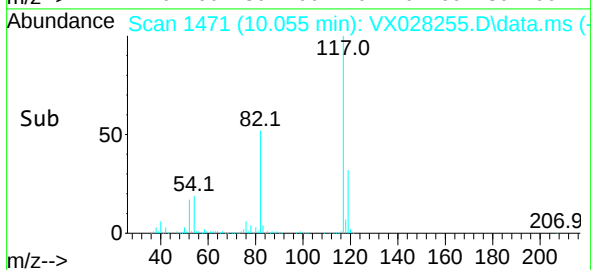
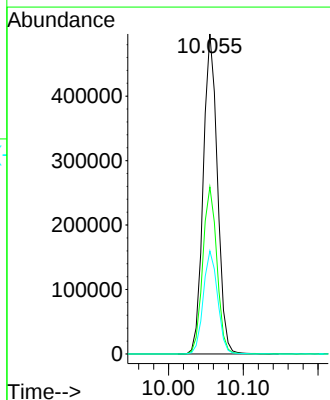
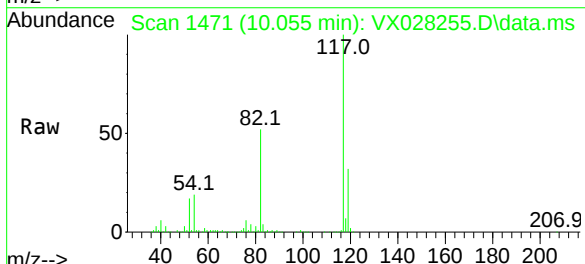
Instrument :
MSVOA_X
ClientSampleId :
1551

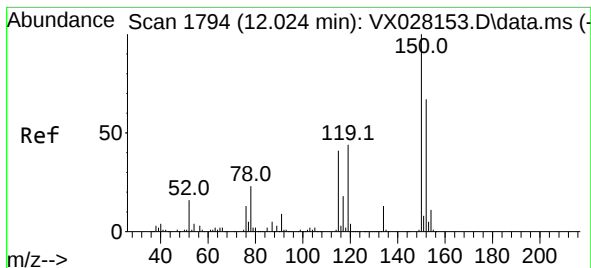
Tgt Ion: 95 Resp: 397624
Ion Ratio Lower Upper
95 100
174 83.0 0.0 163.0
176 80.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028255.D
Acq: 21 Apr 2022 20:39

Tgt Ion: 117 Resp: 654441
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.2 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: VX028255.D

Acq: 21 Apr 2022 20:39

Instrument :

MSVOA_X

ClientSampleId :

1551

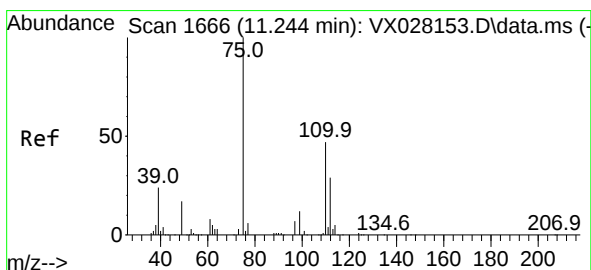
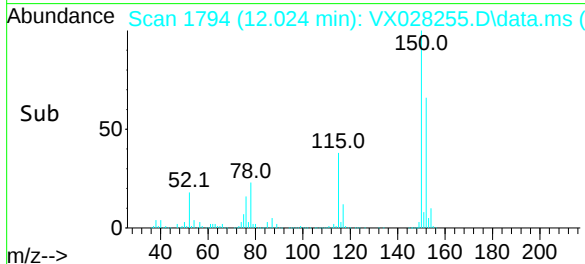
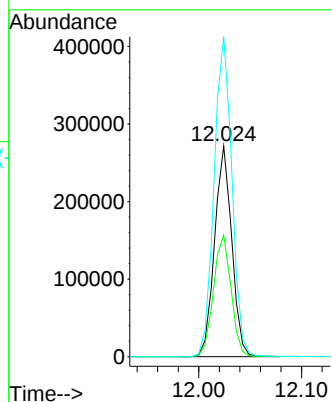
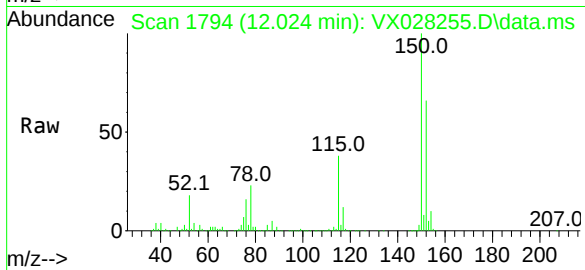
Tgt Ion:152 Resp: 315120

Ion Ratio Lower Upper

152 100

115 59.0 37.5 112.7

150 157.2 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 31.704 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028255.D

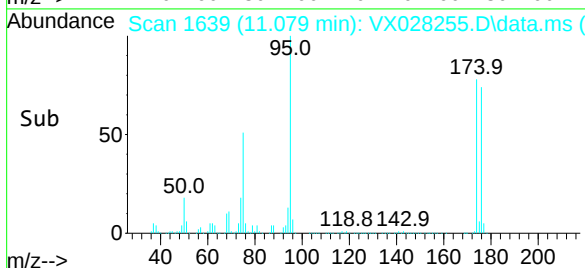
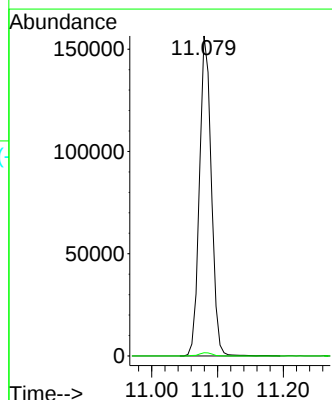
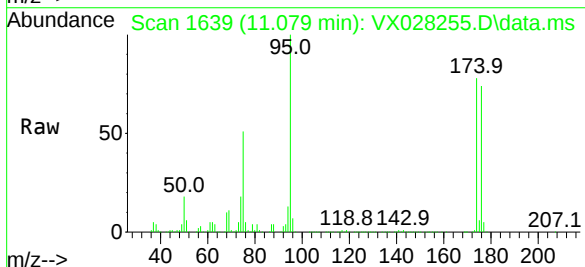
Acq: 21 Apr 2022 20:39

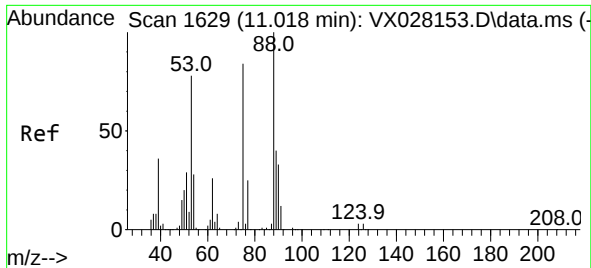
Tgt Ion: 75 Resp: 196618

Ion Ratio Lower Upper

75 100

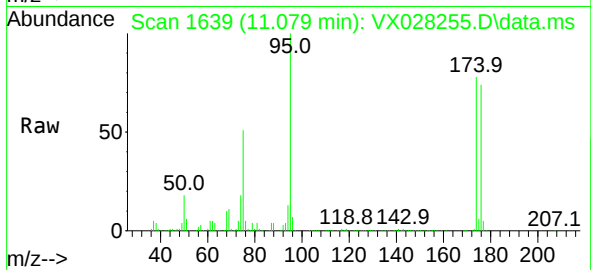
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.215 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028255.D
 Acq: 21 Apr 2022 20:39

Instrument :
 MSVOA_X
 ClientSampleId :
 1551



Tgt Ion: 75 Resp: 196618
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

