

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022335.D
 Acq On : 02 Jun 2021 13:54
 Operator : JC/MD
 Sample : M2572-04DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20210528DL

Quant Time: Jun 03 02:19:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

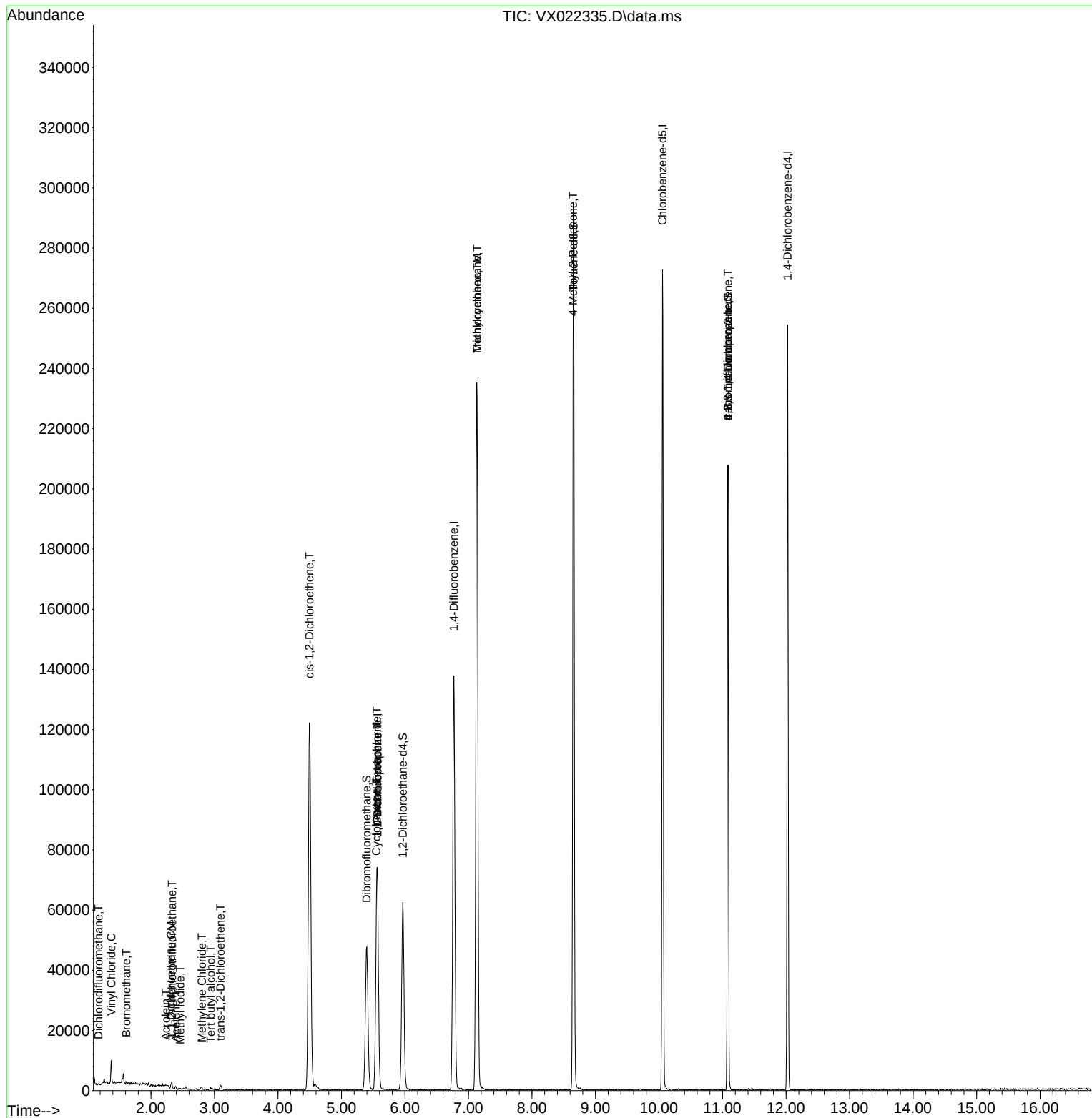
Internal Standards						
1) Pentafluorobenzene	5.562	168	63899	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	136353	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	119036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	45312	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	54758	55.55	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	111.10%		
35) Dibromofluoromethane	5.397	113	41061	47.49	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.98%		
50) Toluene-d8	8.653	98	168792	50.68	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.36%		
62) 4-Bromofluorobenzene	11.085	95	56749	46.09	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.18%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	493	0.63	ug/l	# 71
4) Vinyl Chloride	1.374	62	4340	4.89	ug/l	99
5) Bromomethane	1.611	94	232	0.45	ug/l	# 73
9) 1,1,2-Trichlorotrifluo...	2.331	101	423	0.56	ug/l	# 50
10) Methyl Iodide	2.459	142	165	0.20	ug/l	# 42
11) Tert butyl alcohol	2.941	59	390	1.73	ug/l	# 73
12) 1,1-Dichloroethene	2.319	96	480	0.66	ug/l	96
13) Acrolein	2.233	56	62	0.41	ug/l	# 14
16) Acetone	2.392	43	775	1.81	ug/l	# 76
20) Methylene Chloride	2.800	84	438	0.46	ug/l	# 89
21) trans-1,2-Dichloroethene	3.093	96	744	0.93	ug/l	# 78
27) cis-1,2-Dichloroethene	4.495	96	77740	80.25	ug/l	90
31) Cyclohexane	5.550	56	1906	1.54	ug/l	# 1
36) 1,1-Dichloropropene	5.568	75	6487	5.14	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	7257	5.88	ug/l	# 17
39) Methylcyclohexane	7.135	83	1101	0.77	ug/l	# 1
44) Trichloroethene	7.135	130	85471	88.66	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	851	0.56	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	29686	26.56	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	29686	62.92	ug/l	# 12

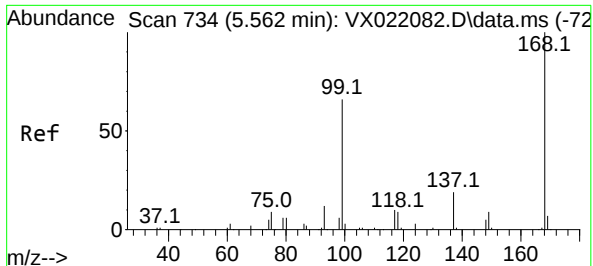
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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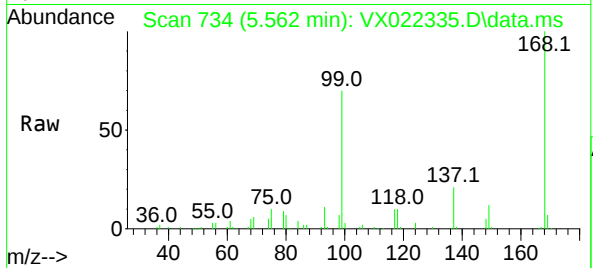
Quant Time: Jun 03 02:19:54 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
Quant Title : SW846 8260
QLast Update : Wed May 19 14:23:10 2021
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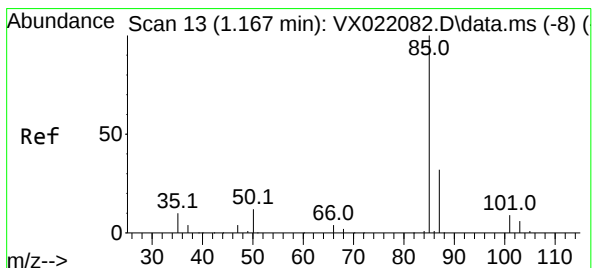
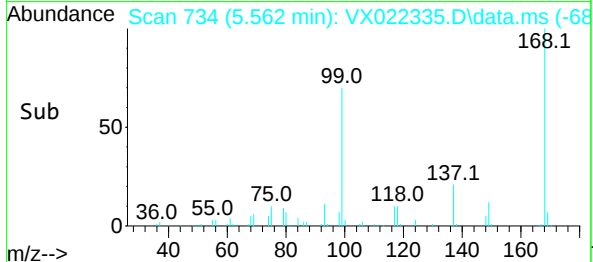
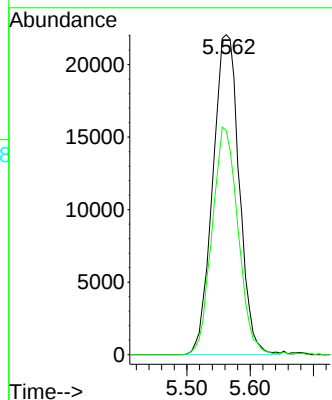


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

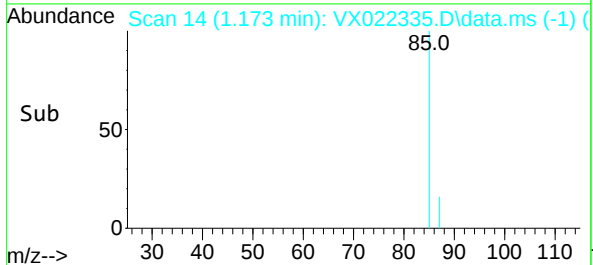
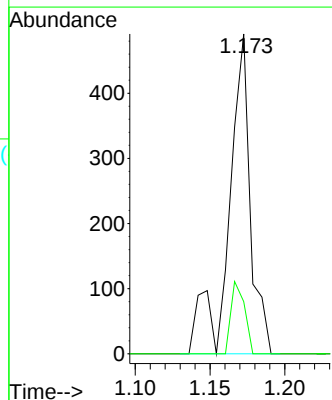
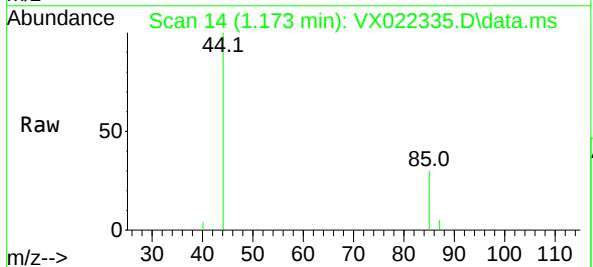


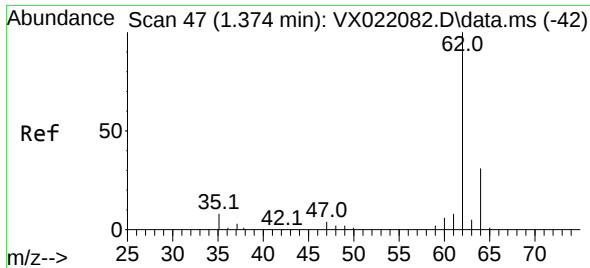
Tgt Ion:168 Resp: 63899
Ion Ratio Lower Upper
168 100
99 70.1 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 0.63 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion: 85 Resp: 493
Ion Ratio Lower Upper
85 100
87 16.3 16.4 49.2#

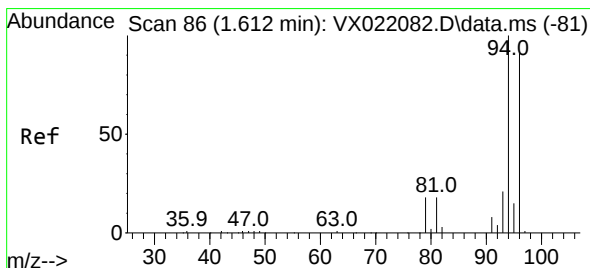
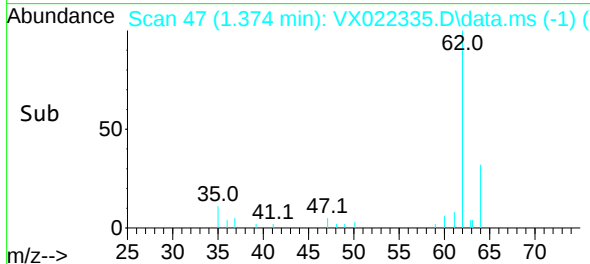
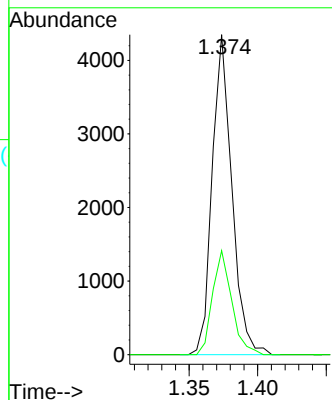
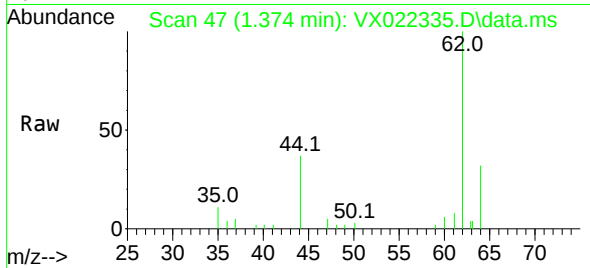




#4
 Vinyl Chloride
 Concen: 4.89 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX022335.D
 Acq: 02 Jun 2021 13:54

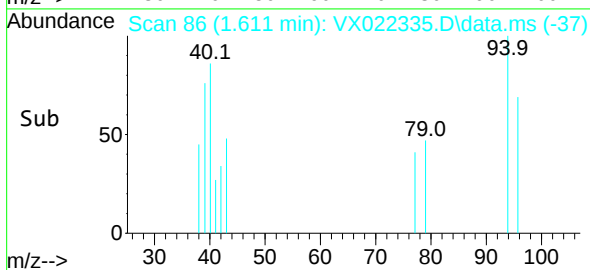
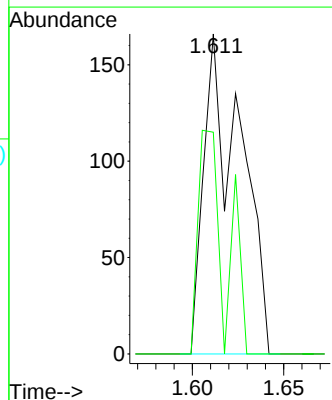
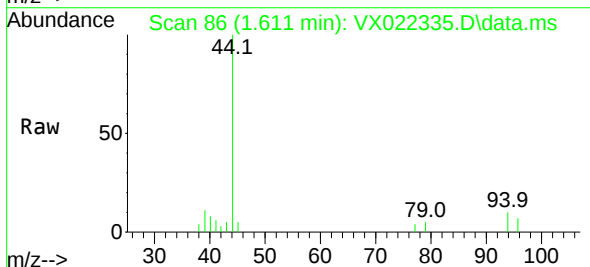
Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20210528DL

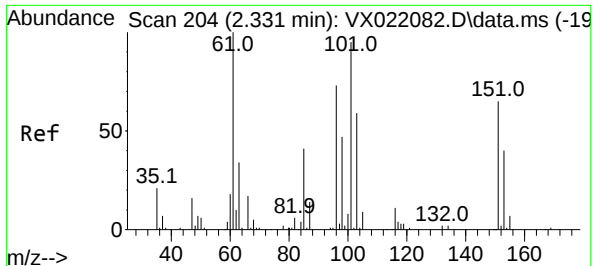
Tgt Ion: 62 Resp: 4340
 Ion Ratio Lower Upper
 62 100
 64 32.5 25.7 38.5



#5
 Bromomethane
 Concen: 0.45 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. -0.001 min
 Lab File: VX022335.D
 Acq: 02 Jun 2021 13:54

Tgt Ion: 94 Resp: 232
 Ion Ratio Lower Upper
 94 100
 96 69.3 76.4 114.6#

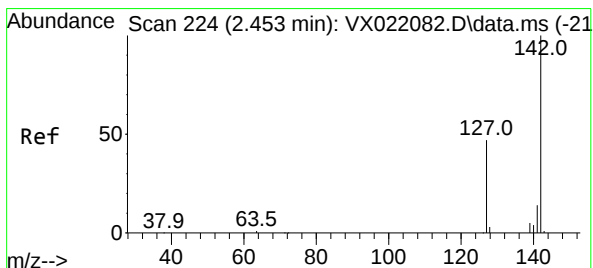
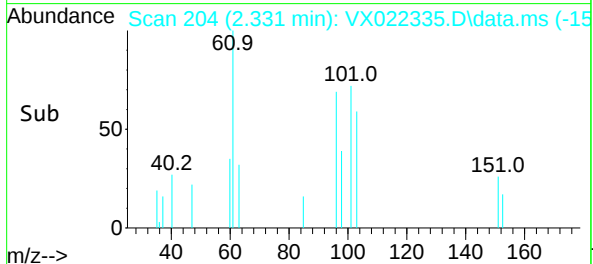
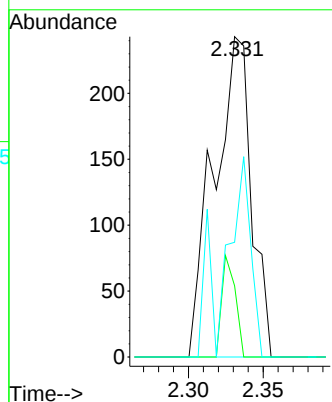
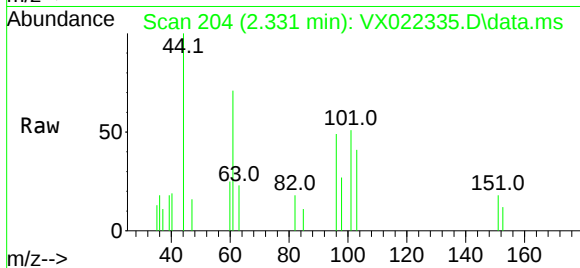




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.56 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

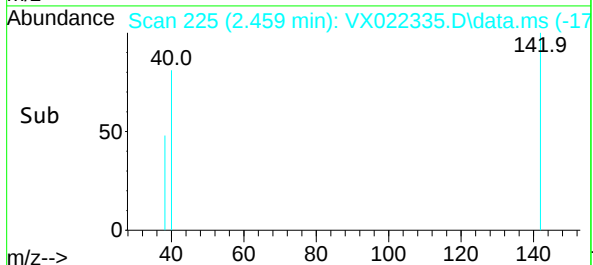
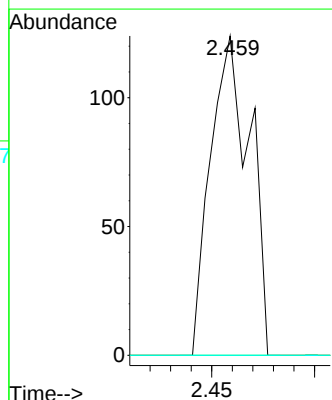
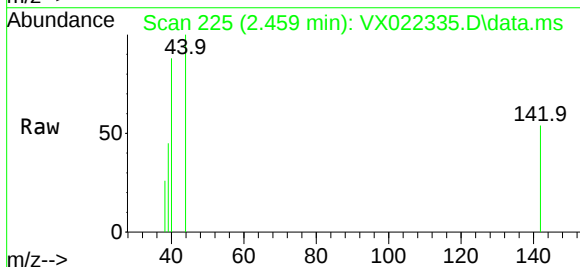
Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

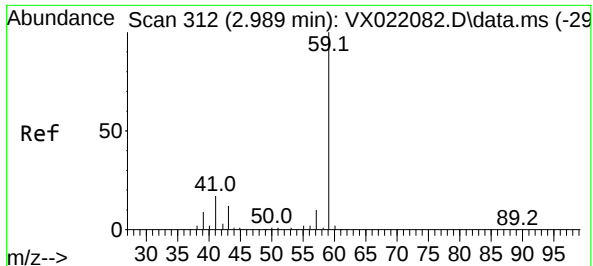
Tgt Ion:101 Resp: 423
Ion Ratio Lower Upper
101 100
85 11.3 34.9 52.3#
151 33.8 61.4 92.2#



#10
Methyl Iodide
Concen: 0.20 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion:142 Resp: 165
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



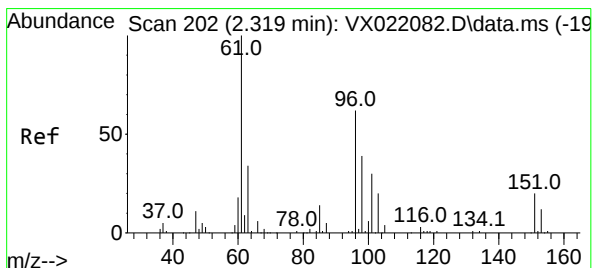
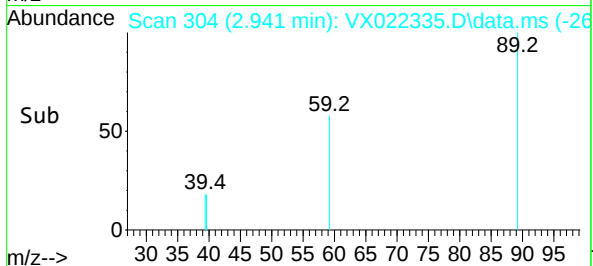
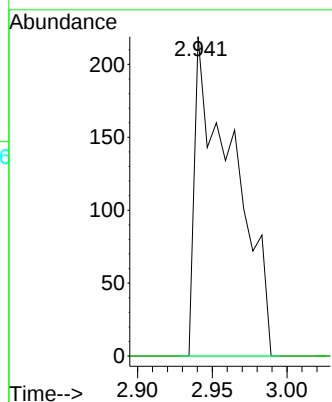
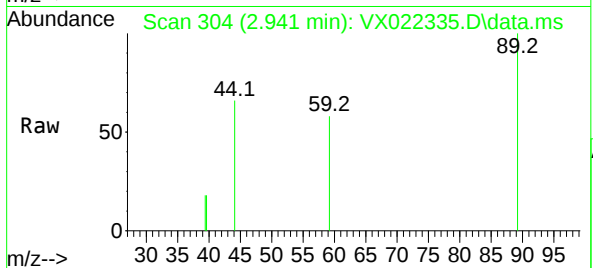


#11

Tert butyl alcohol
Concen: 1.73 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

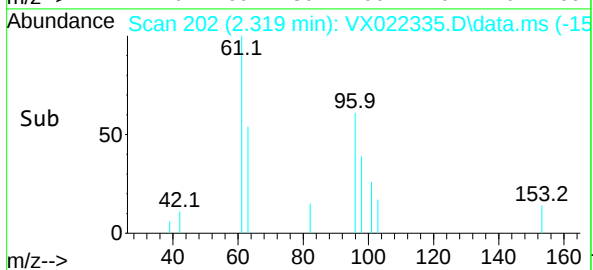
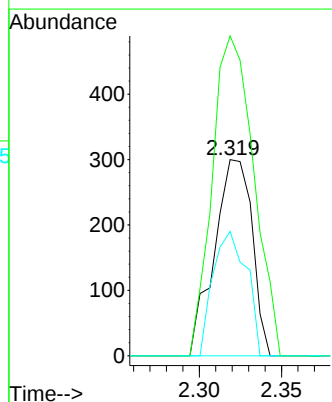
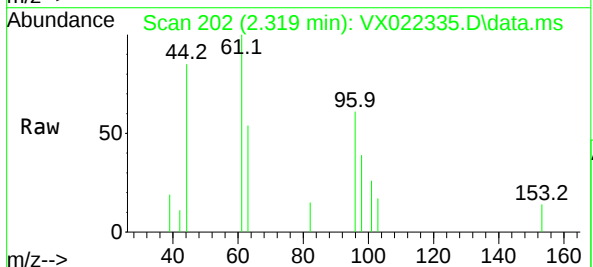
Tgt Ion: 59 Resp: 390
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

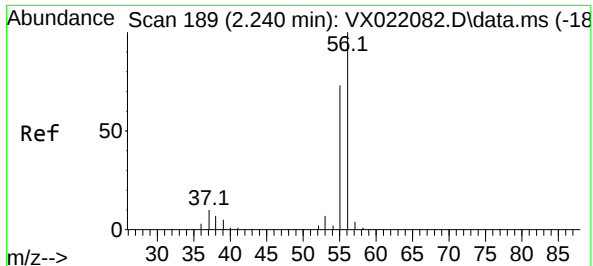


#12

1,1-Dichloroethene
Concen: 0.66 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion: 96 Resp: 480
Ion Ratio Lower Upper
96 100
61 163.0 124.6 187.0
98 63.3 50.6 76.0





#13

Acrolein

Concen: 0.41 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.007 min

Lab File: VX022335.D

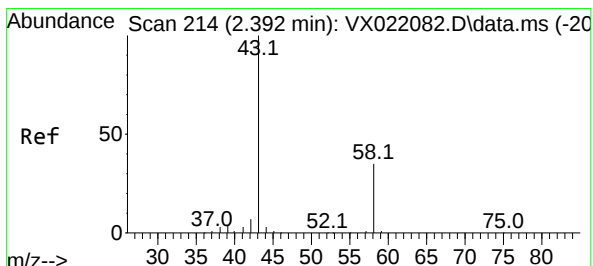
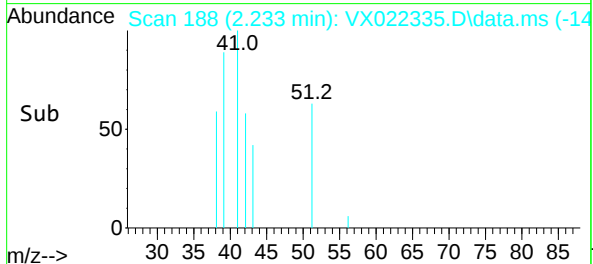
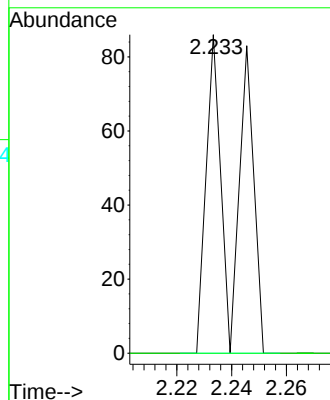
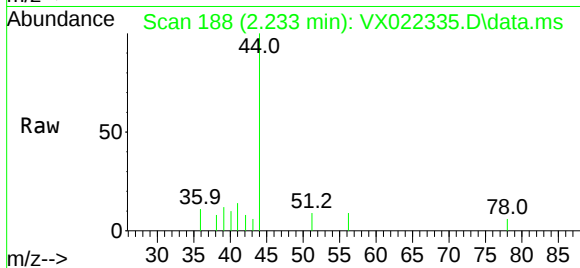
Acq: 02 Jun 2021 13:54

Tgt Ion: 56 Resp: 62

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 1.81 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX022335.D

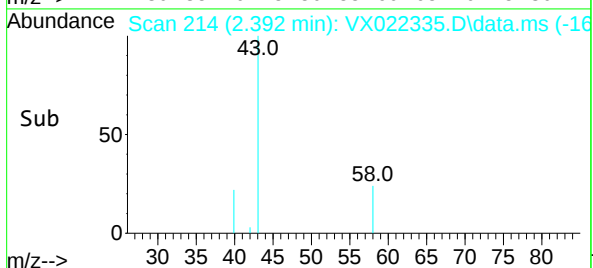
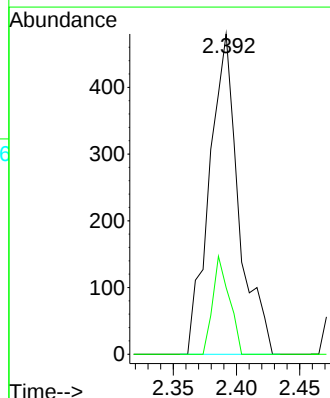
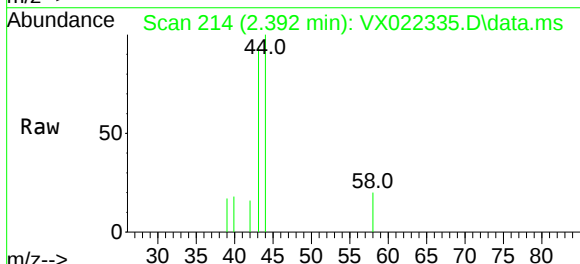
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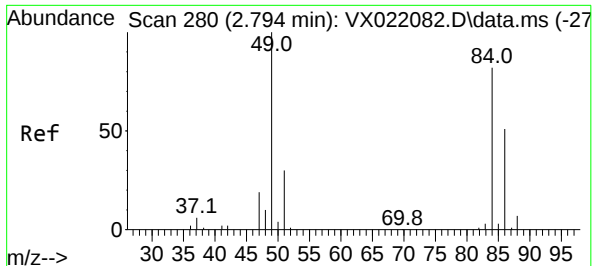
Tgt Ion: 43 Resp: 775

Ion Ratio Lower Upper

43 100

58 20.8 27.8 41.8#





#20

Methylene Chloride

Concen: 0.46 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.006 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 84 Resp: 438

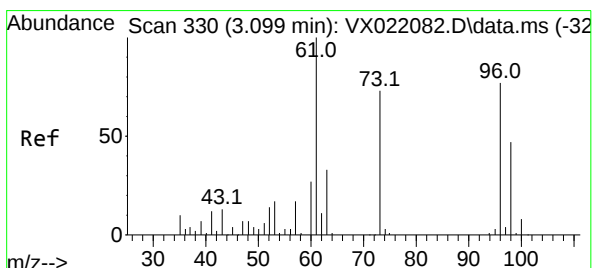
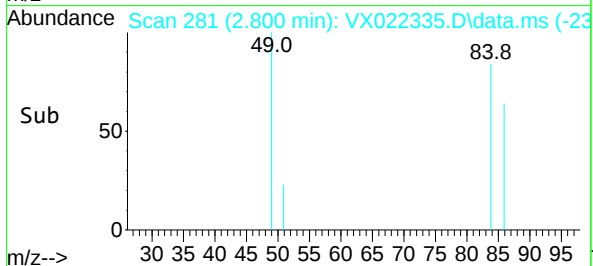
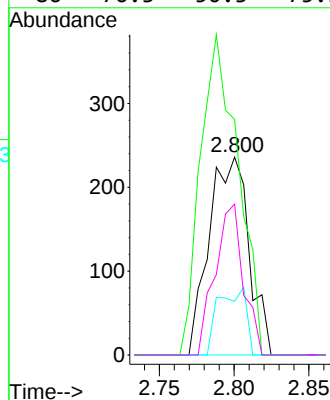
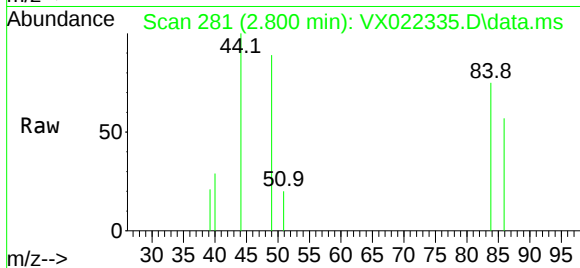
Ion Ratio Lower Upper

84 100

49 119.1 88.6 132.8

51 27.1 27.0 40.6

86 76.3 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.93 ug/l

RT: 3.093 min Scan# 329

Delta R.T. -0.006 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

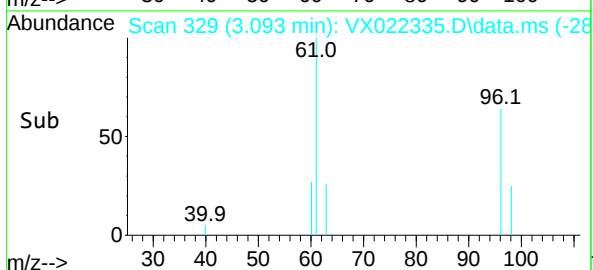
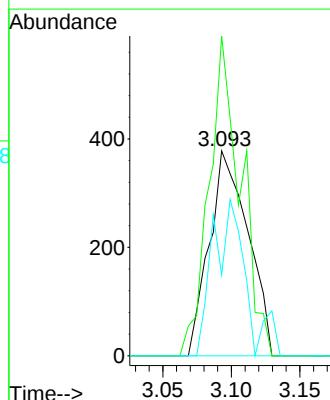
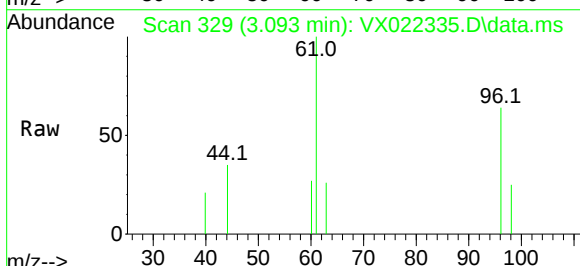
Tgt Ion: 96 Resp: 744

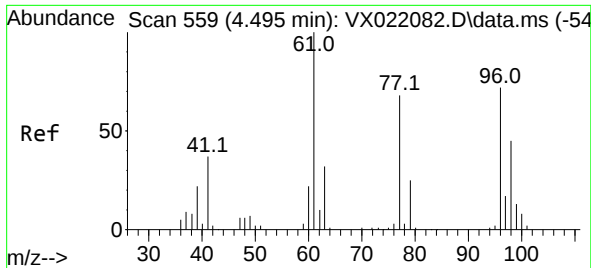
Ion Ratio Lower Upper

96 100

61 156.1 107.7 161.5

98 39.4 50.4 75.6#





#27

cis-1,2-Dichloroethene

Concen: 80.25 ug/l

RT: 4.495 min Scan# 559

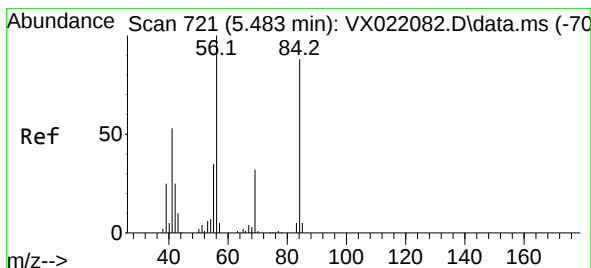
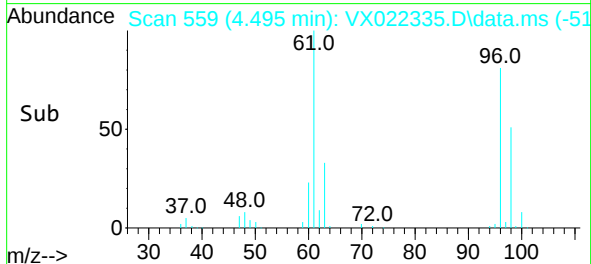
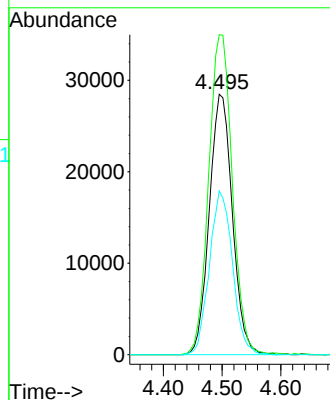
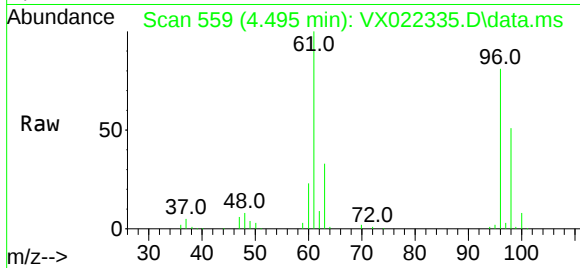
Delta R.T. 0.000 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 96 Resp: 77740

Ion	Ratio	Lower	Upper
96	100		
61	125.9	0.0	285.6
98	62.8	0.0	129.6



#31

Cyclohexane

Concen: 1.54 ug/l

RT: 5.550 min Scan# 732

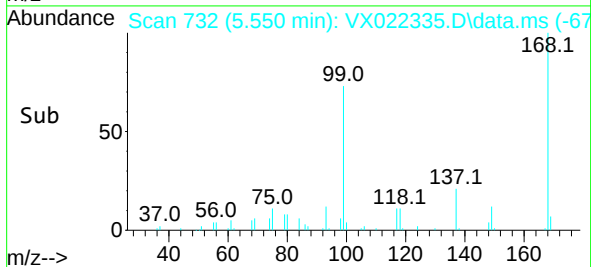
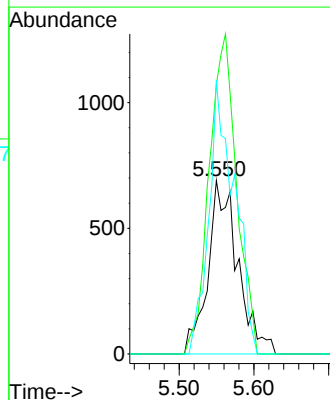
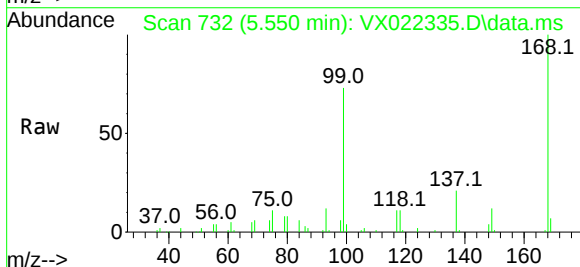
Delta R.T. 0.067 min

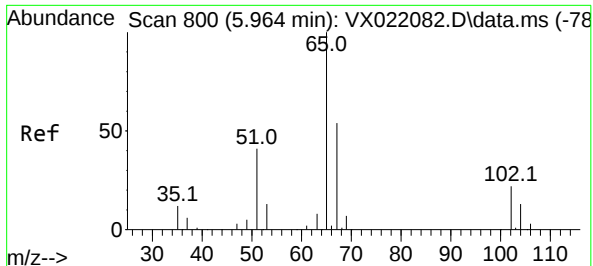
Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 56 Resp: 1906

Ion	Ratio	Lower	Upper
56	100		
69	155.5	25.3	37.9#
84	157.8	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 55.55 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 65 Resp: 54758

Ion Ratio Lower Upper

65 100

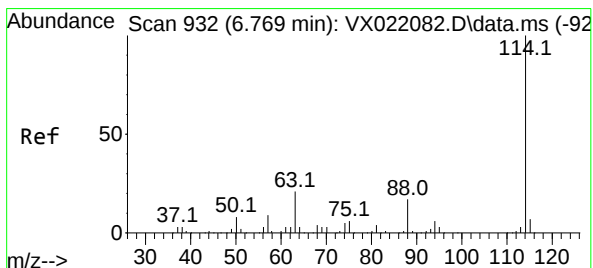
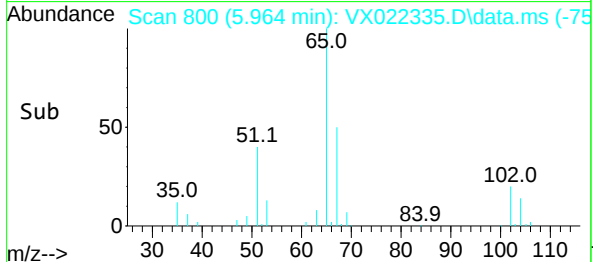
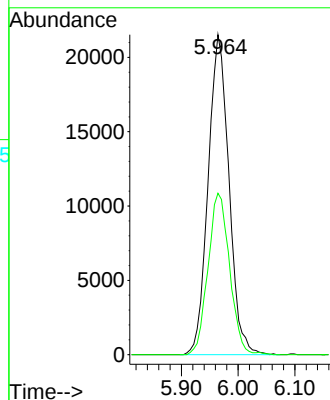
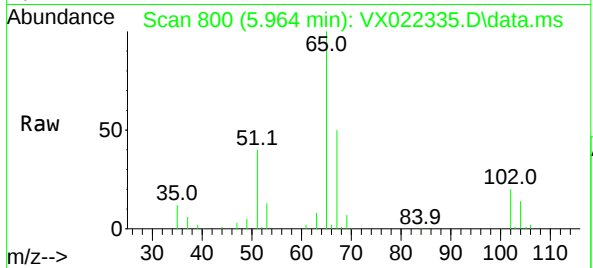
67 52.4 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

15BR-20210528DL



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

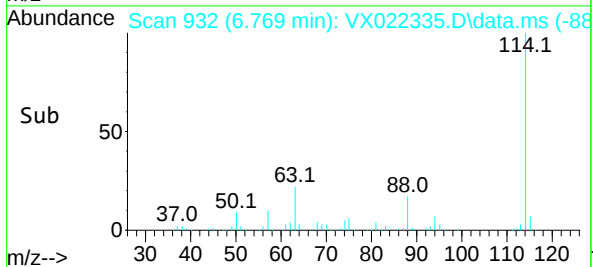
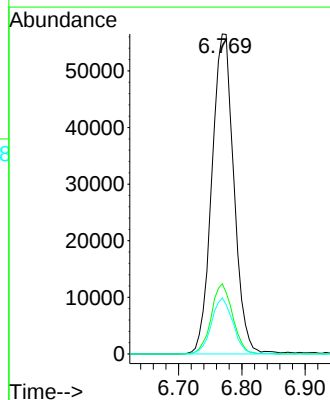
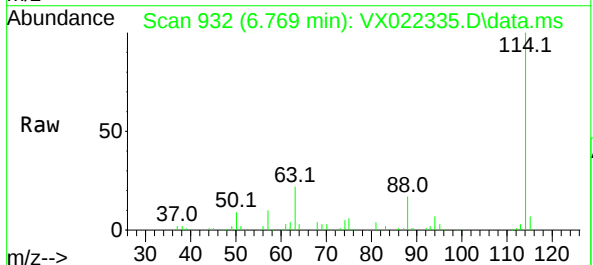
Tgt Ion: 114 Resp: 136353

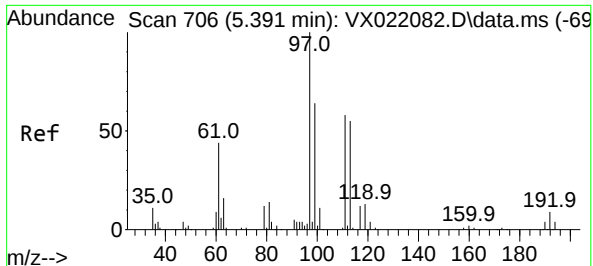
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.8

88 17.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.49 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

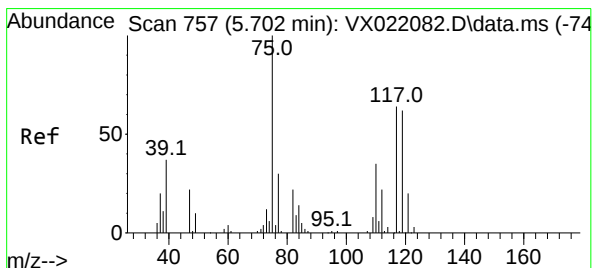
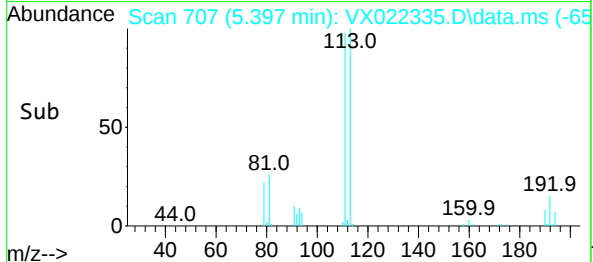
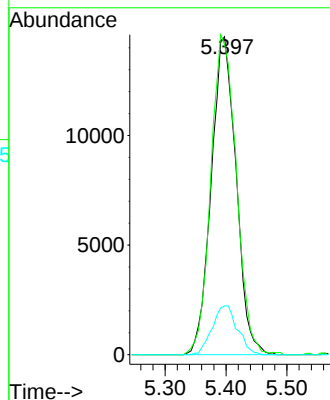
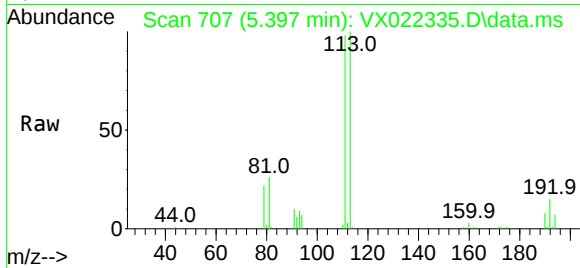
Tgt Ion:113 Resp: 41061

Ion Ratio Lower Upper

113 100

111 103.1 81.9 122.9

192 15.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.14 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

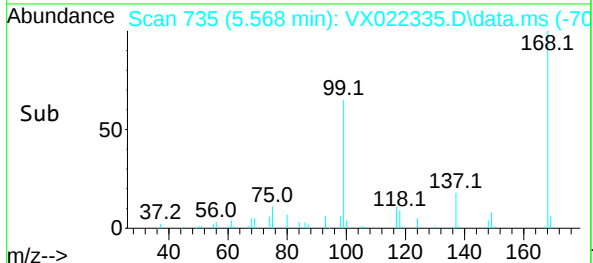
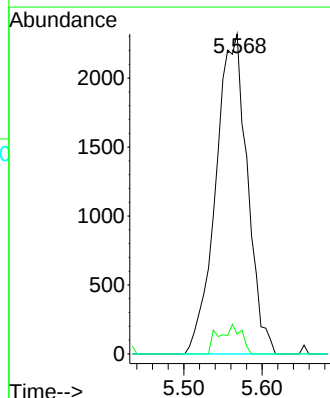
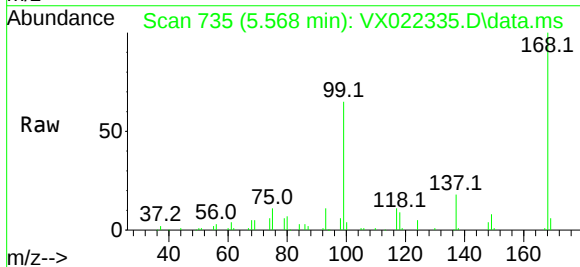
Tgt Ion: 75 Resp: 6487

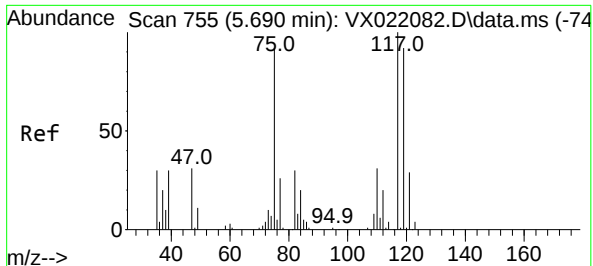
Ion Ratio Lower Upper

75 100

110 6.5 18.1 54.4#

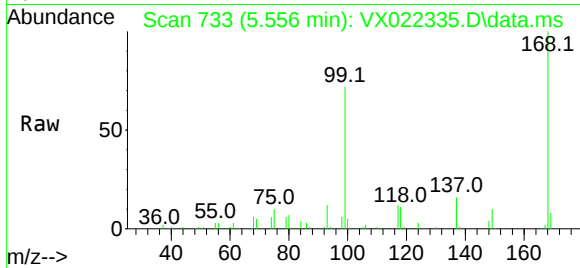
77 0.0 25.3 37.9#



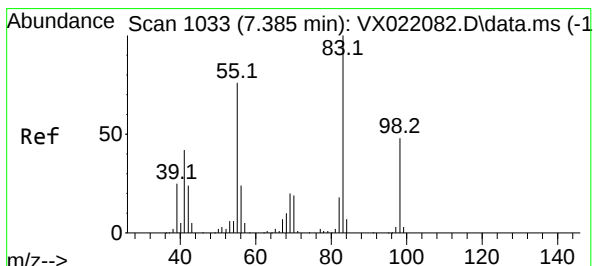
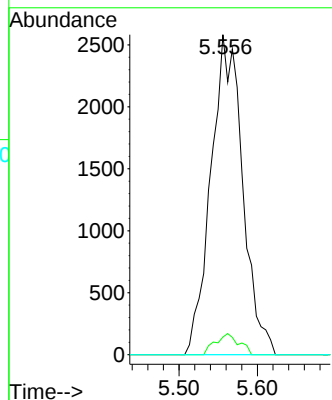
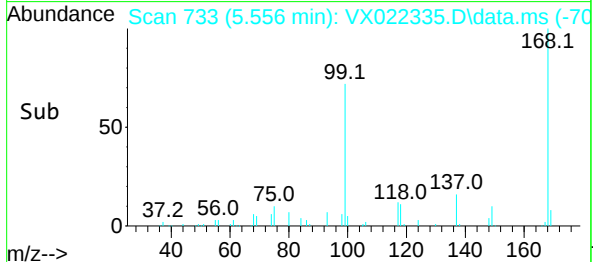


#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

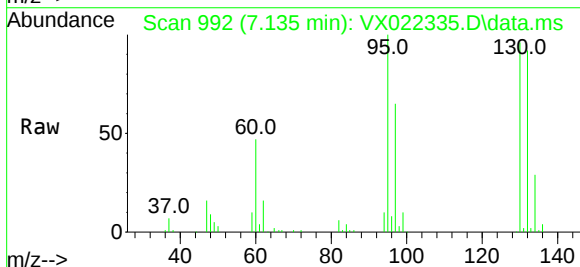
Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL



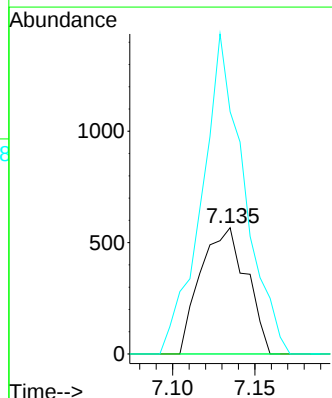
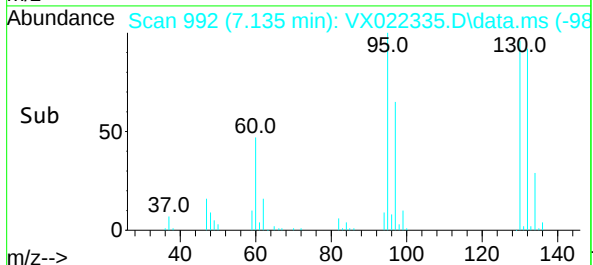
Tgt Ion:117 Resp: 7257
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

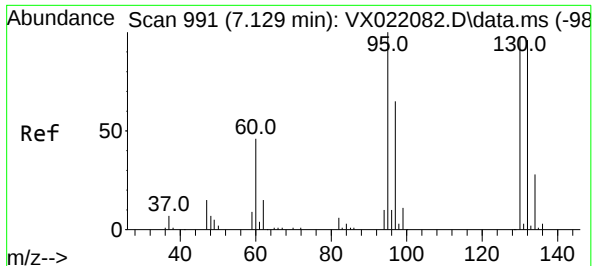


#39
Methylcyclohexane
Concen: 0.77 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.250 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54



Tgt Ion: 83 Resp: 1101
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 178.5 38.1 57.1#

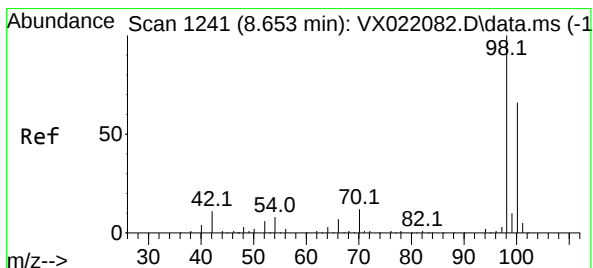
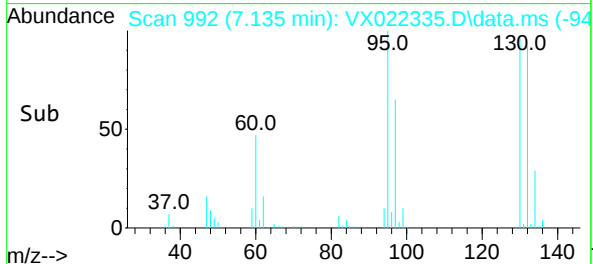
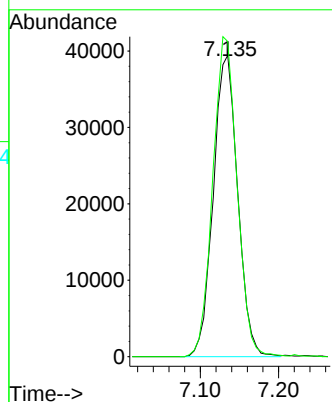
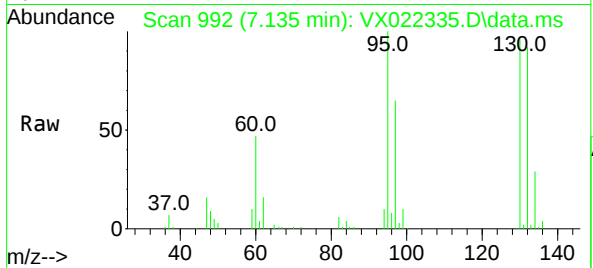




#44
Trichloroethene
Concen: 88.66 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

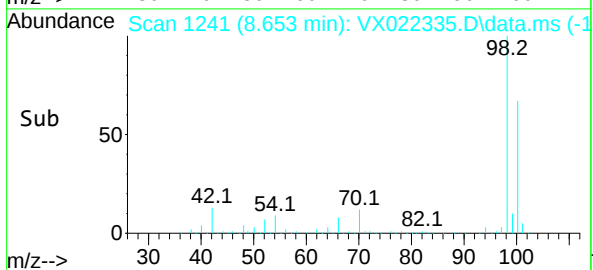
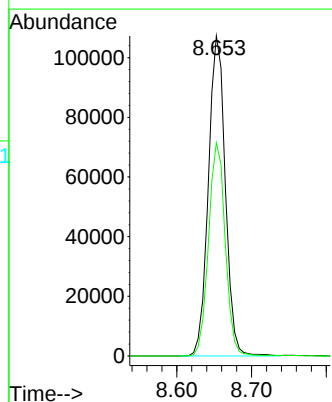
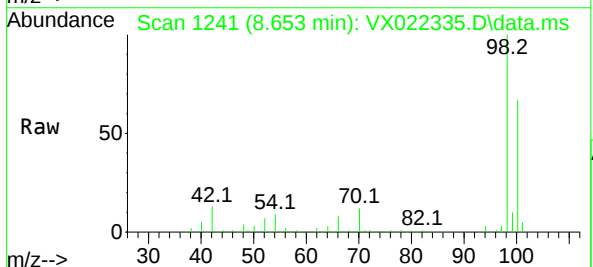
Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

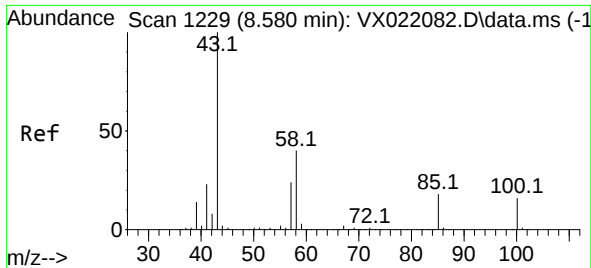
Tgt Ion:130 Resp: 85471
Ion Ratio Lower Upper
130 100
95 104.6 0.0 198.0



#50
Toluene-d8
Concen: 50.68 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion: 98 Resp: 168792
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

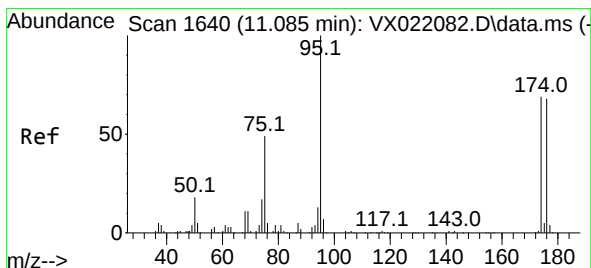
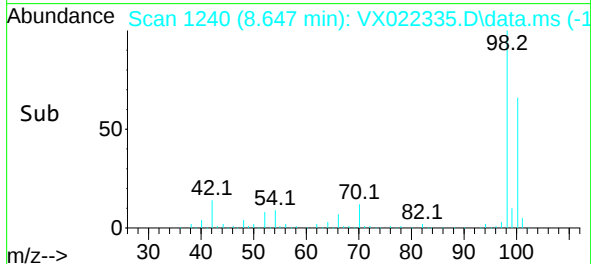
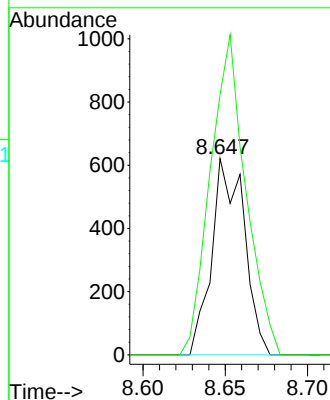
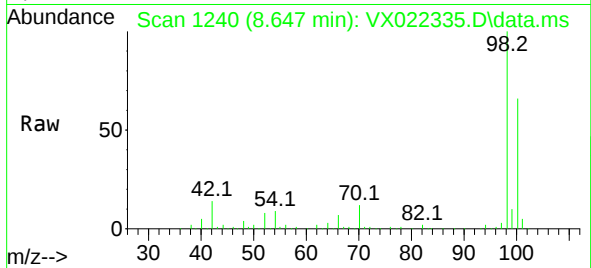




#51
4-Methyl-2-Pentanone
Concen: 0.56 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.067 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

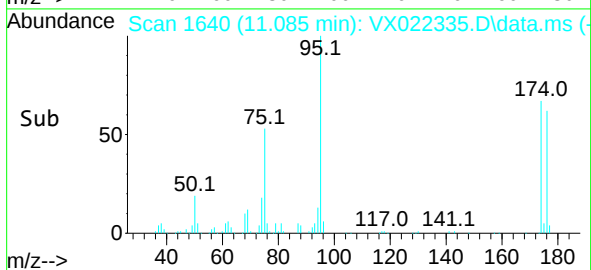
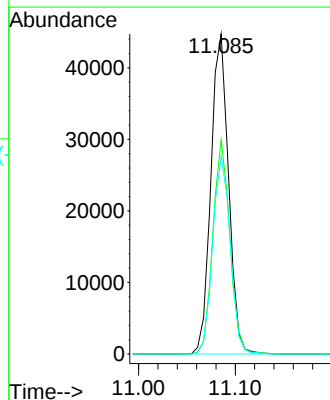
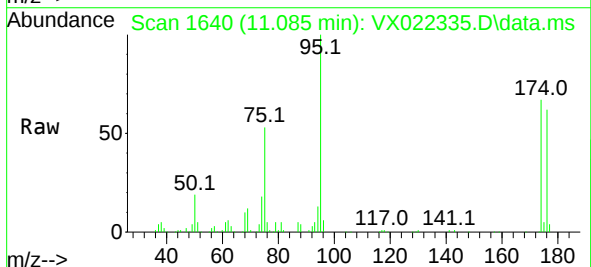
Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

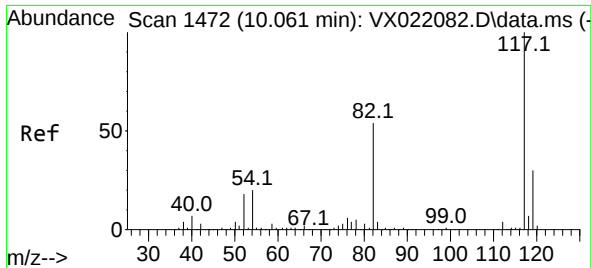
Tgt Ion: 43 Resp: 851
Ion Ratio Lower Upper
43 100
58 178.3 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.09 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion: 95 Resp: 56749
Ion Ratio Lower Upper
95 100
174 64.3 0.0 154.6
176 61.4 0.0 155.8

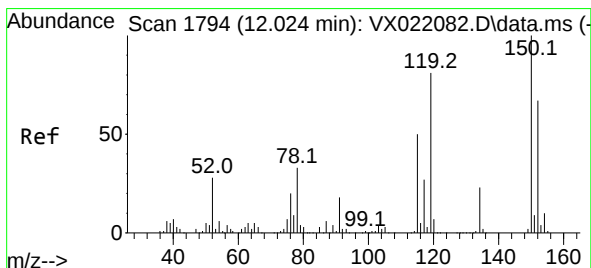
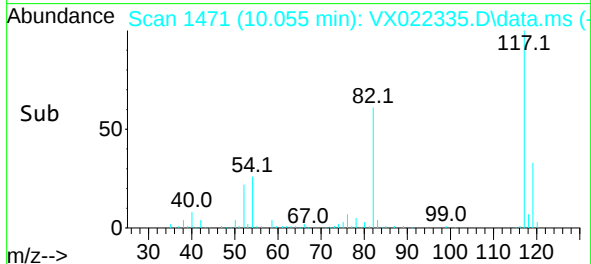
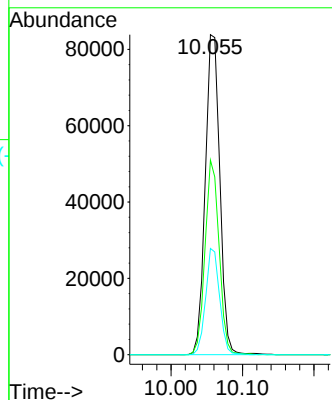
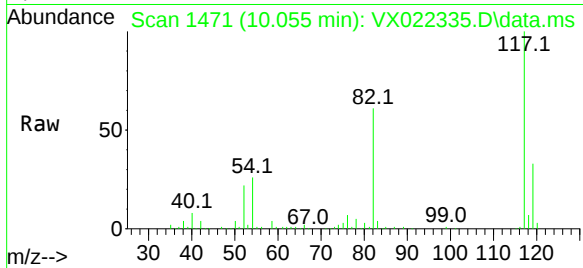




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

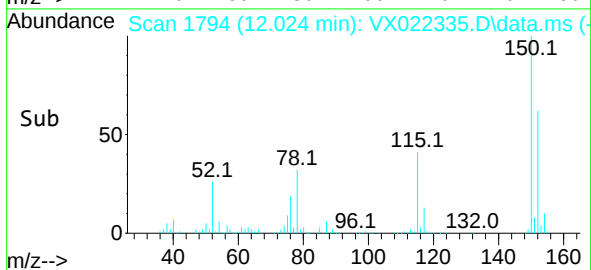
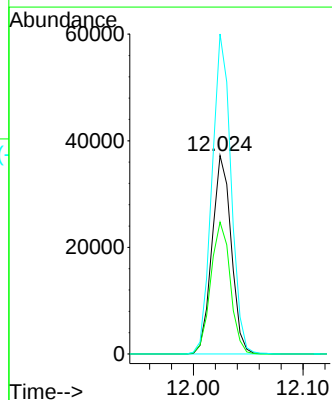
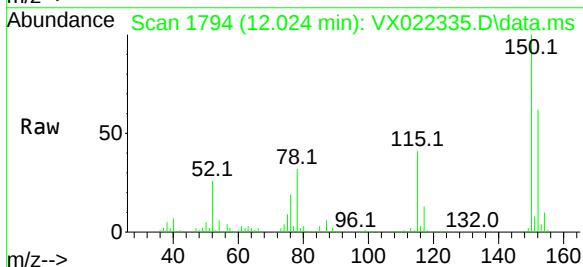
Instrument :
MSVOA_X
ClientSampleId :
15BR-20210528DL

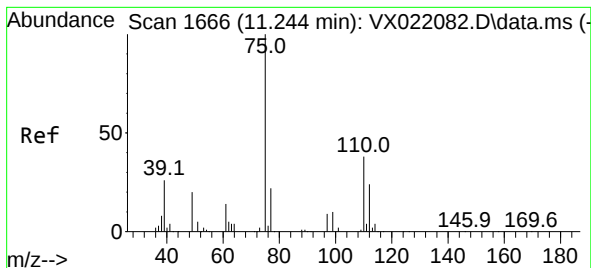
Tgt Ion:117 Resp: 119036
Ion Ratio Lower Upper
117 100
82 60.8 47.4 71.2
119 33.2 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022335.D
Acq: 02 Jun 2021 13:54

Tgt Ion:152 Resp: 45312
Ion Ratio Lower Upper
152 100
115 67.6 41.1 123.3
150 160.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 26.56 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 75 Resp: 29686

Ion Ratio Lower Upper

75 100

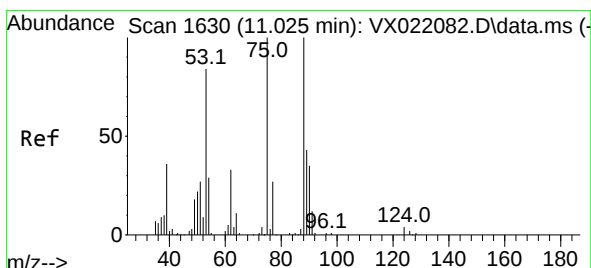
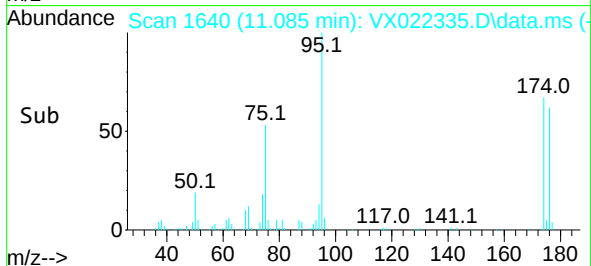
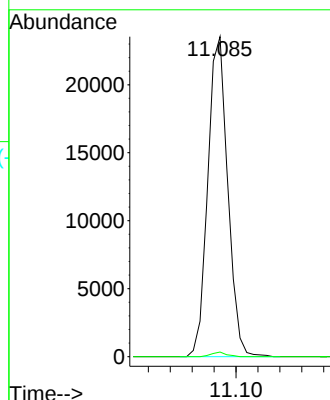
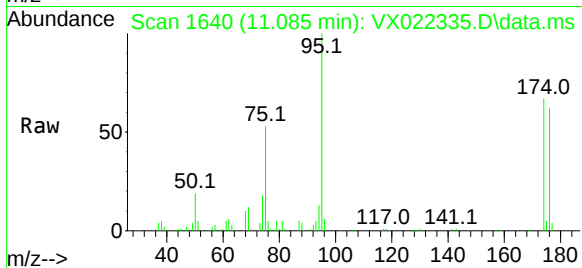
77 1.1 19.1 57.5#

Instrument :

MSVOA_X

ClientSampleId :

15BR-20210528DL



#81

trans-1,4-Dichloro-2-butene

Concen: 62.92 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.060 min

Lab File: VX022335.D

Acq: 02 Jun 2021 13:54

Tgt Ion: 75 Resp: 29686

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

