

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021337.D
 Acq On : 20 Mar 2021 09:23
 Operator : JC/MD
 Sample : M1735-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 00:53:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

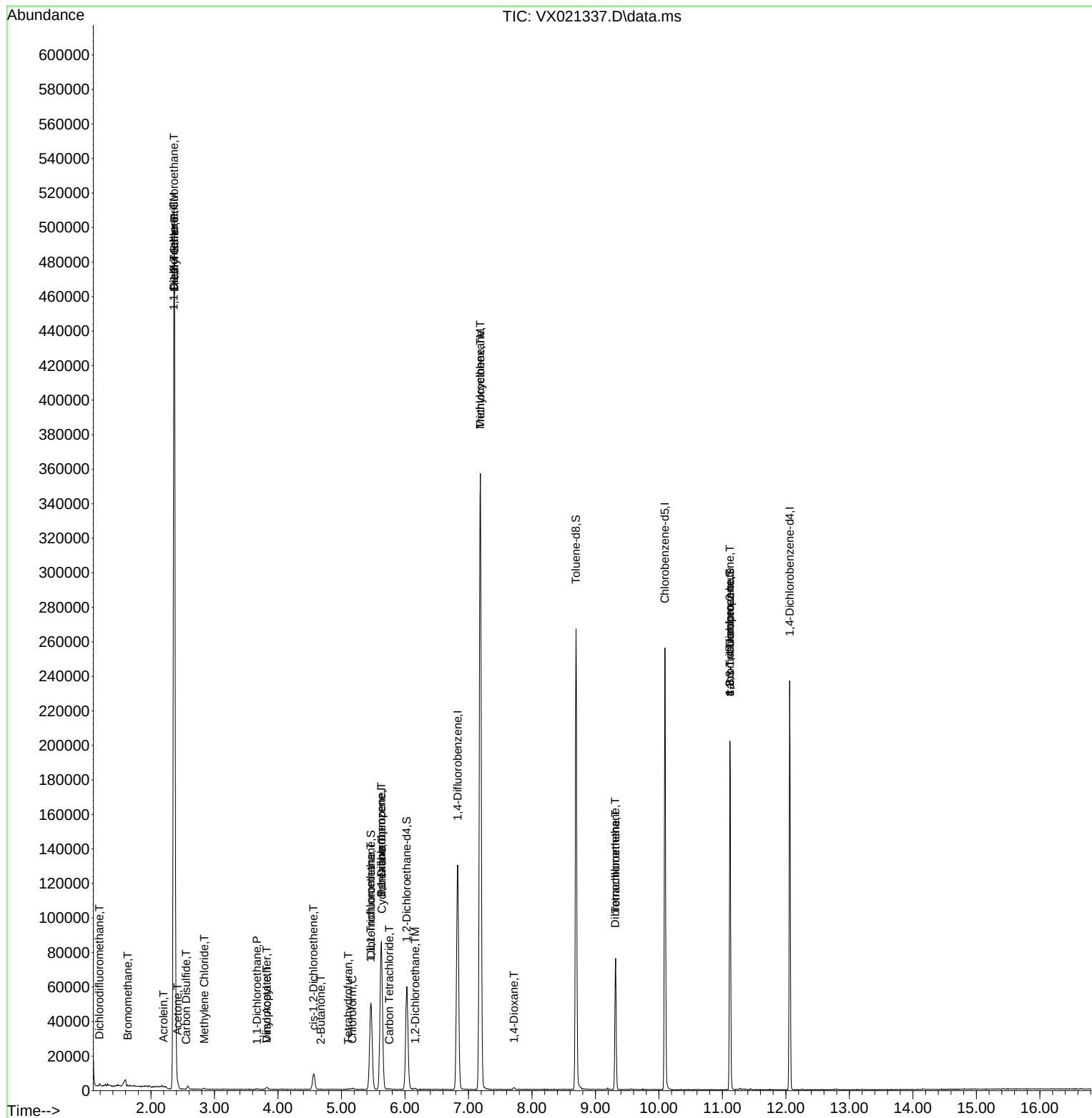
Internal Standards						
1) Pentafluorobenzene	5.629	168	71824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	120703	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	104358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	41653	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	58734	49.86	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.72%
35) Dibromofluoromethane	5.464	113	40913	49.81	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.62%
50) Toluene-d8	8.694	98	147845	49.61	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.22%
62) 4-Bromofluorobenzene	11.118	95	51943	44.88	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.76%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	324	0.38	ug/l	94
3) Chloromethane	1.317	50	925	Below	Cal	98
5) Bromomethane	1.634	94	79	0.21	ug/l #	71
8) Diethyl Ether	2.370	74	168	0.36	ug/l #	5
9) 1,1,2-Trichlorotrifluo...	2.364	101	196822	262.21	ug/l	96
12) 1,1-Dichloroethene	2.358	96	2251	3.07	ug/l	92
13) Acrolein	2.199	56	47	3.52	ug/l #	62
16) Acetone	2.417	43	1588	3.66	ug/l #	84
17) Carbon Disulfide	2.552	76	21	0.55	ug/l #	75
20) Methylene Chloride	2.840	84	247	0.28	ug/l #	67
22) Diisopropyl ether	3.823	45	1157	0.40	ug/l #	94
23) Vinyl Acetate	3.823	43	733	0.29	ug/l #	68
24) 1,1-Dichloroethane	3.670	63	716	0.46	ug/l #	81
25) 2-Butanone	4.676	43	134	0.20	ug/l #	45
27) cis-1,2-Dichloroethene	4.558	96	5211	5.55	ug/l	99
29) Tetrahydrofuran	5.105	42	131	0.30	ug/l #	27
30) Chloroform	5.170	83	748	0.46	ug/l	98
31) Cyclohexane	5.635	56	2048	1.44	ug/l #	45
32) 1,1,1-Trichloroethane	5.458	97	377	0.26	ug/l #	44
36) 1,1-Dichloropropene	5.629	75	6844	5.63	ug/l #	48
38) Carbon Tetrachloride	5.752	117	398	0.32	ug/l #	81
39) Methylcyclohexane	7.188	83	1746	1.29	ug/l #	1
42) 1,2-Dichloroethane	6.164	62	681	0.47	ug/l #	73
44) Trichloroethene	7.188	130	124834	140.22	ug/l	89
49) 1,4-Dioxane	7.717	88	778	26.37	ug/l #	86
60) Dibromochloromethane	9.312	129	12805	13.26	ug/l #	11
64) Tetrachloroethene	9.318	164	13085	16.79	ug/l	99
76) 1,2,3-Trichloropropane	11.118	75	28851	29.86	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	28851	81.07	ug/l #	12

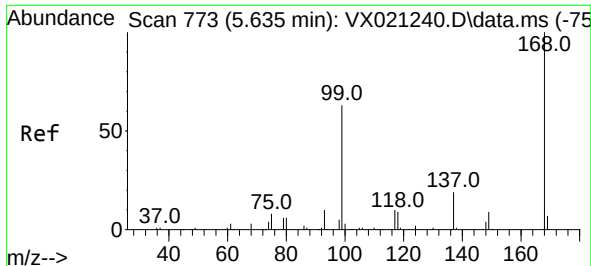
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

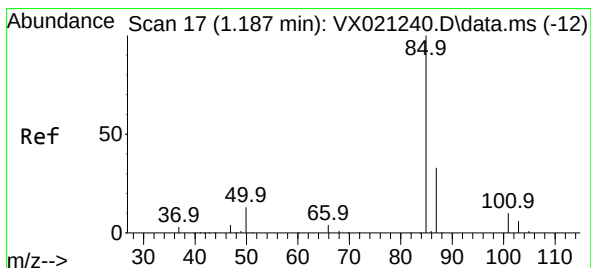
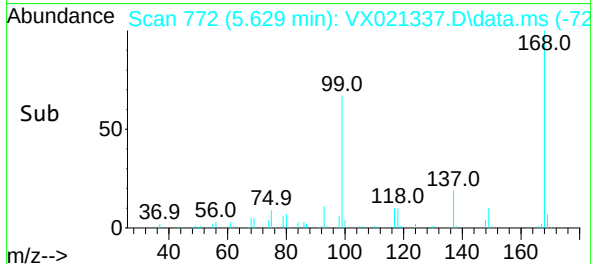
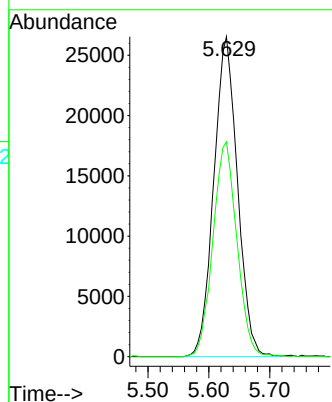
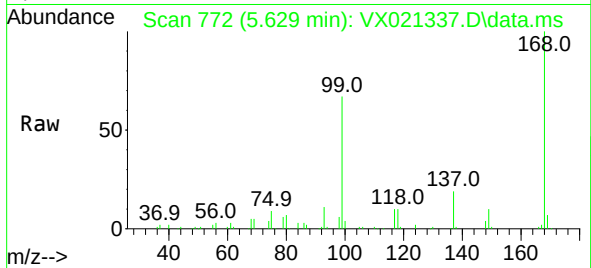




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

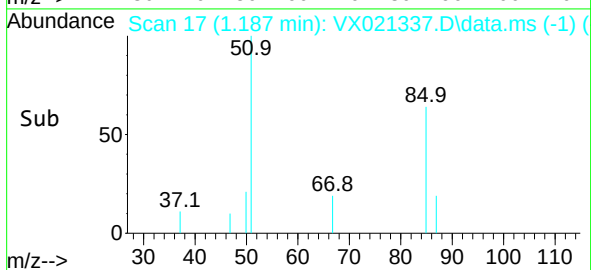
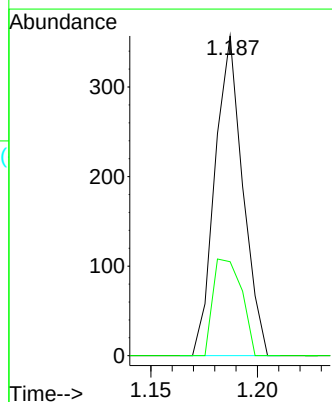
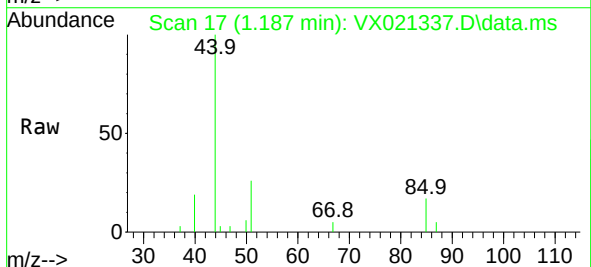
Instrument :
MSVOA_X
ClientSampleId :

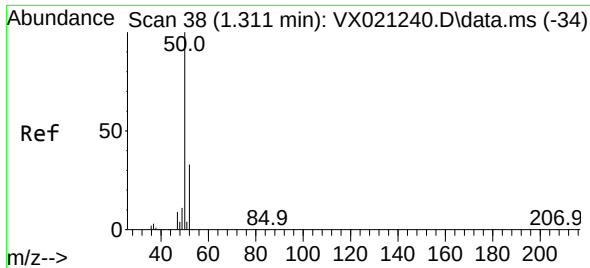
Tgt Ion:168 Resp: 71824
Ion Ratio Lower Upper
168 100
99 67.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.38 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

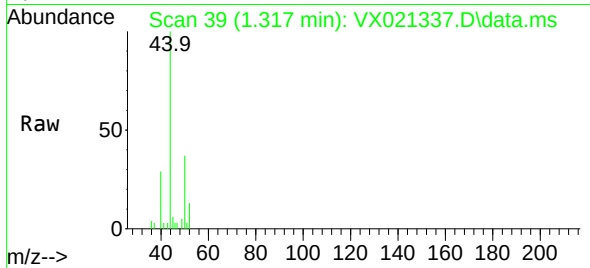
Tgt Ion: 85 Resp: 324
Ion Ratio Lower Upper
85 100
87 29.4 16.4 49.2



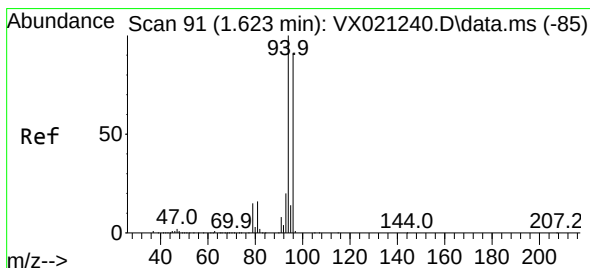
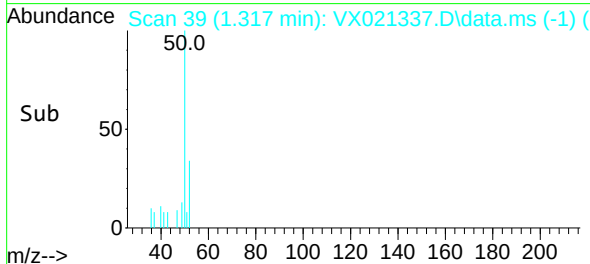
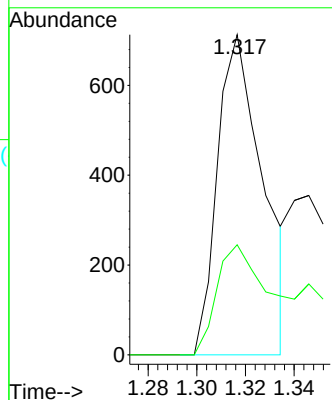


#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Instrument :
MSVOA_X
ClientSampled :

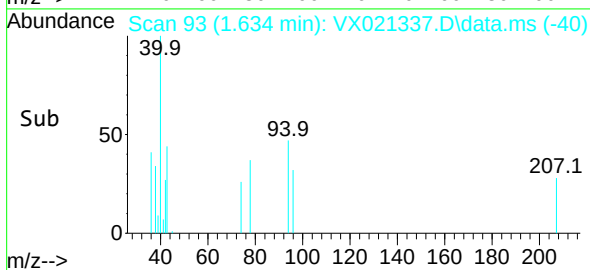
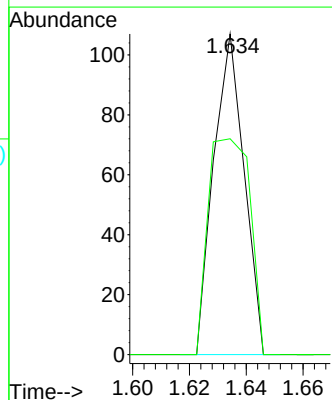
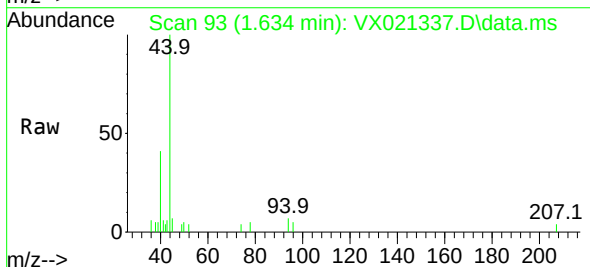


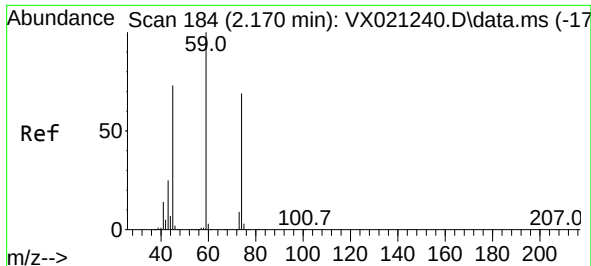
Tgt Ion: 50 Resp: 925
Ion Ratio Lower Upper
50 100
52 34.4 26.4 39.6



#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

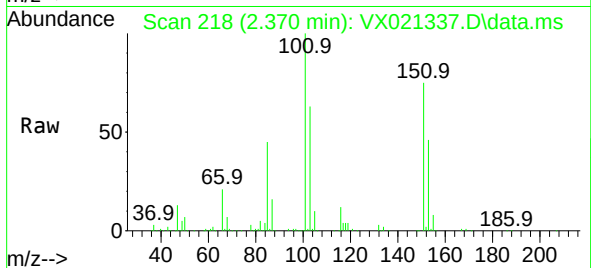
Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 67.3 76.4 114.6#



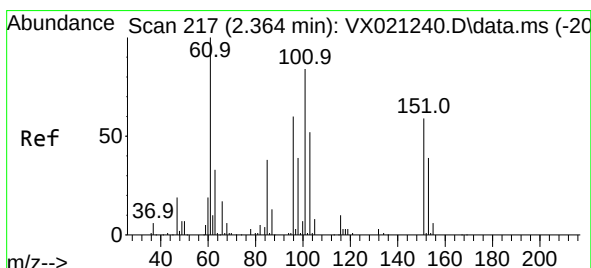
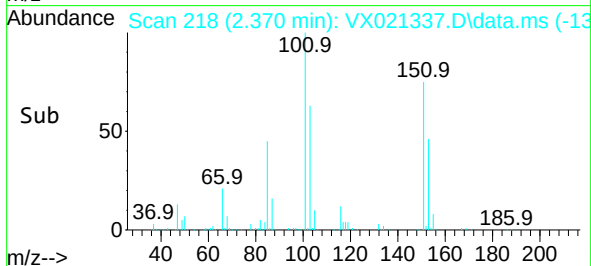
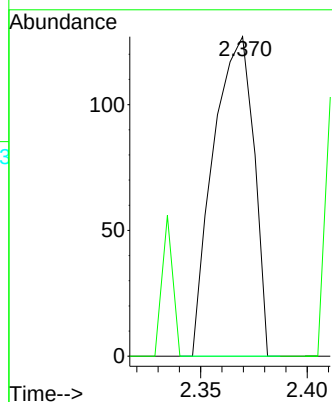


#8
Diethyl Ether
Concen: 0.36 ug/l
RT: 2.370 min Scan# 218
Delta R.T. 0.200 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Instrument :
MSVOA_X
ClientSampled :

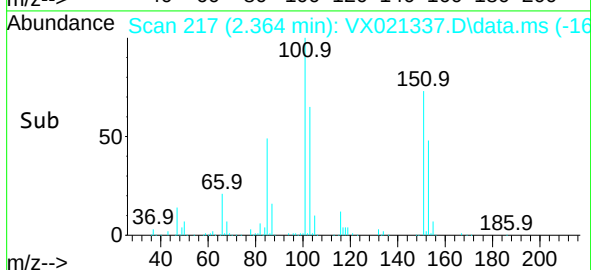
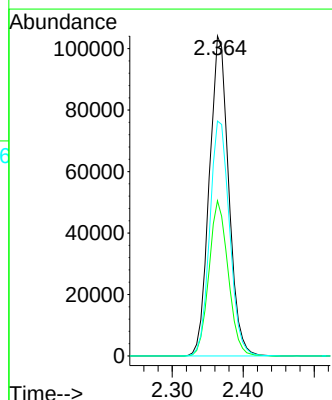
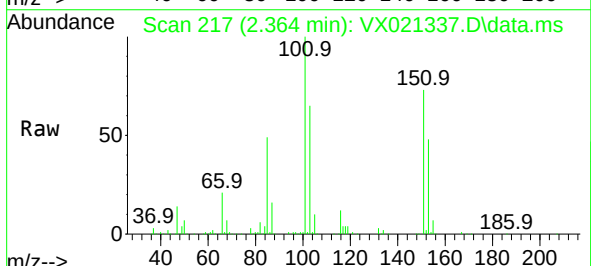


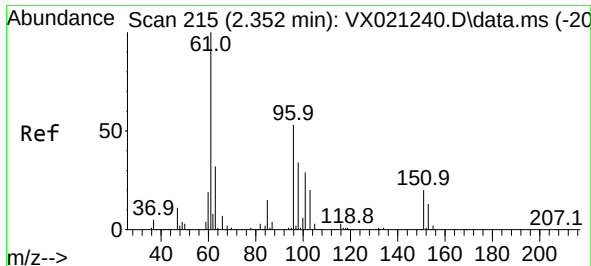
Tgt Ion: 74 Resp: 168
Ion Ratio Lower Upper
74 100
45 0.0 44.5 133.5#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 262.21 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 101 Resp: 196822
Ion Ratio Lower Upper
101 100
85 48.1 34.9 52.3
151 75.1 61.4 92.2

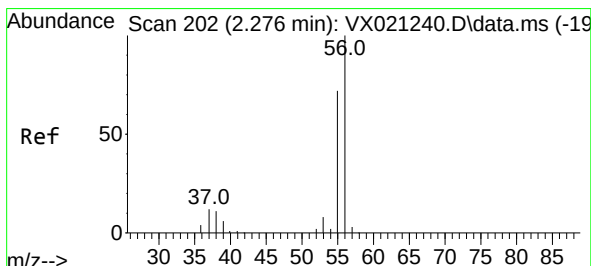
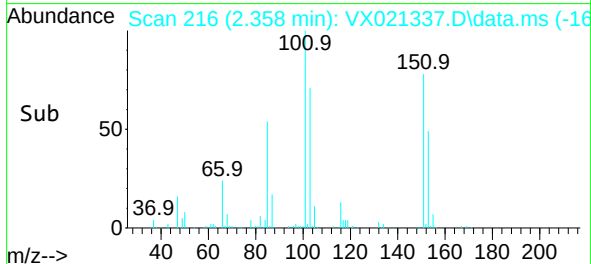
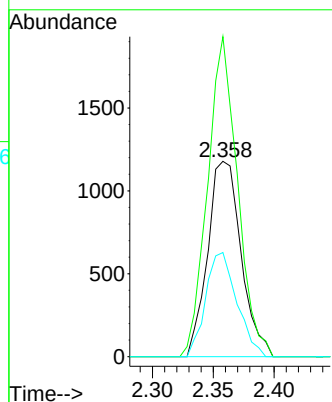
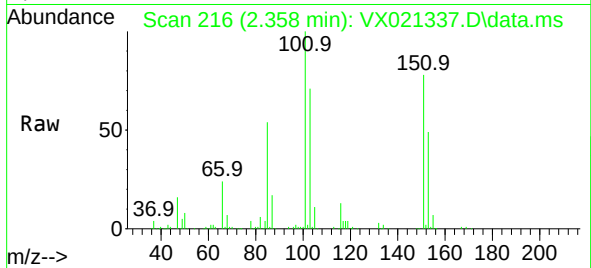




#12
1,1-Dichloroethene
Concen: 3.07 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

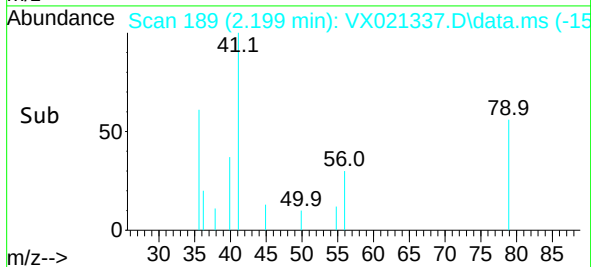
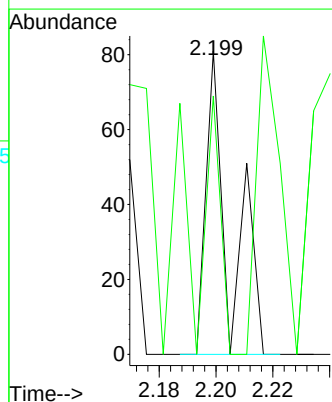
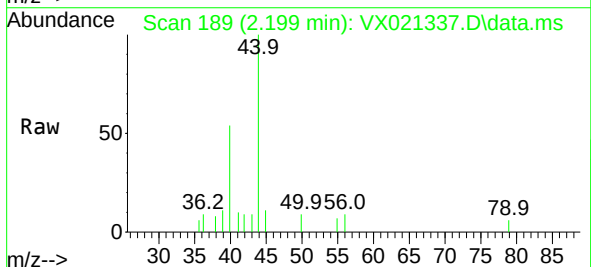
Instrument :
MSVOA_X
ClientSampled :

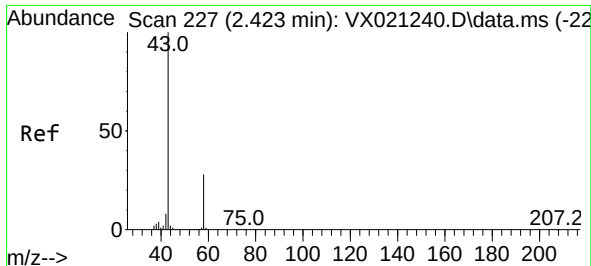
Tgt Ion: 96 Resp: 2251
Ion Ratio Lower Upper
96 100
61 163.8 124.6 187.0
98 53.3 50.6 76.0



#13
Acrolein
Concen: 3.52 ug/l
RT: 2.199 min Scan# 189
Delta R.T. -0.077 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 102.1 56.4 84.6#

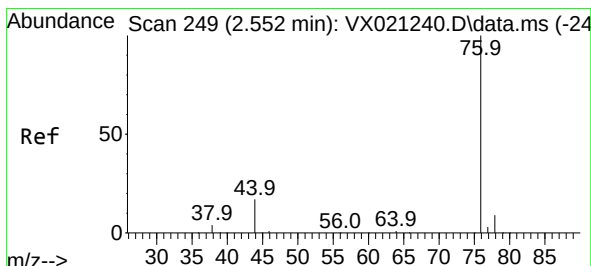
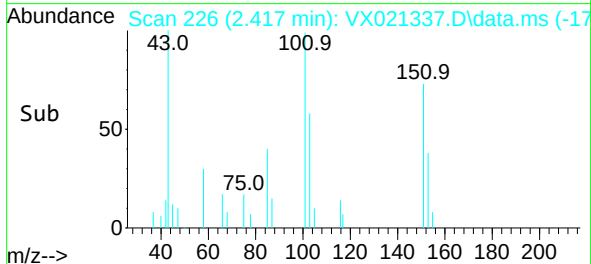
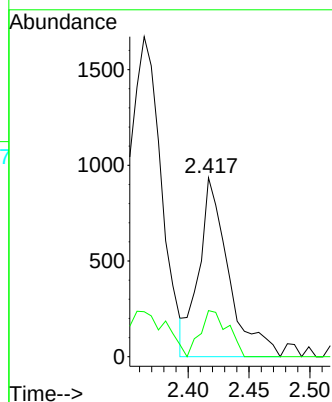
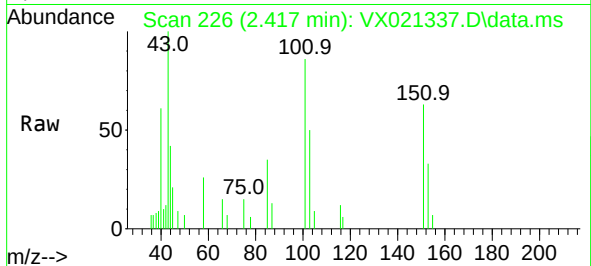




#16
Acetone
Concen: 3.66 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

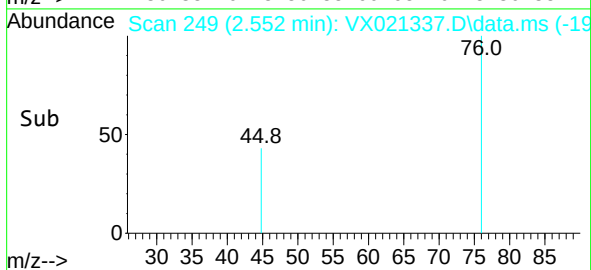
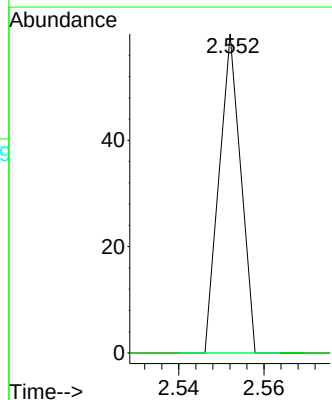
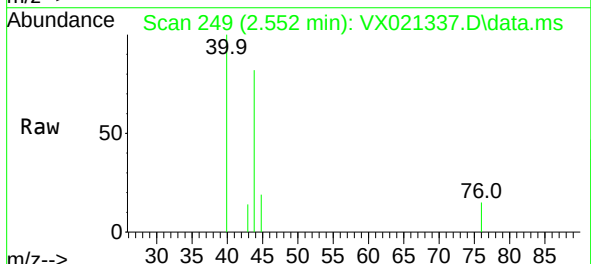
Instrument :
MSVOA_X
ClientSampled :

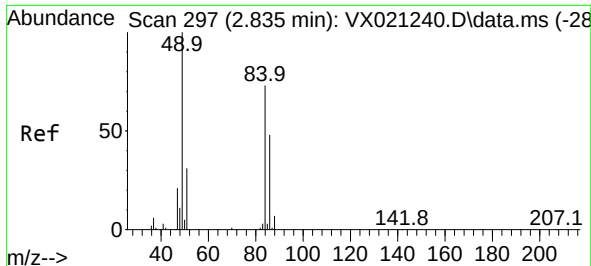
Tgt Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.55 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 76 Resp: 21
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

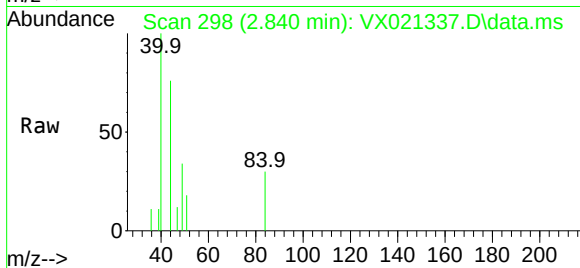
Concen: 0.28 ug/l

RT: 2.840 min Scan# 298

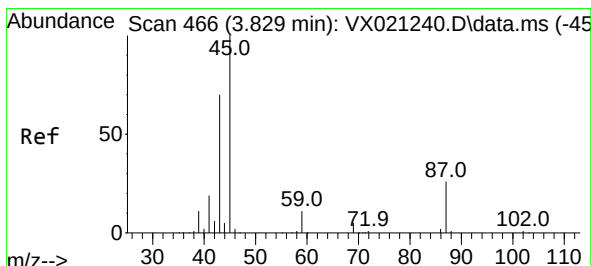
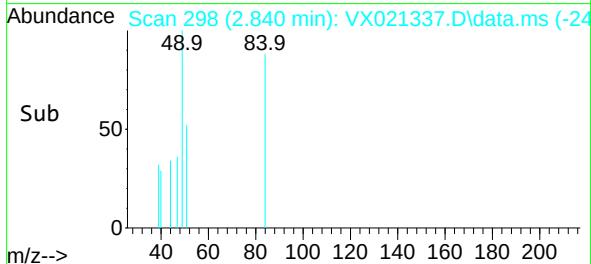
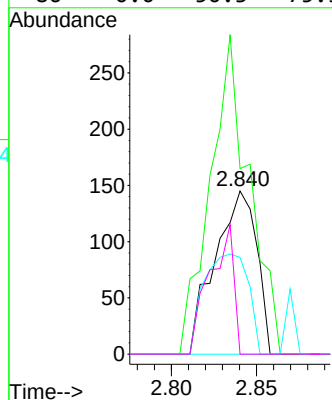
Delta R.T. 0.005 min

Lab File: VX021337.D

Acq: 20 Mar 2021 09:23



Tgt Ion:	84	Resp:	247
Ion	Ratio	Lower	Upper
84	100		
49	113.8	88.6	132.8
51	59.3	27.0	40.6#
86	0.0	50.3	75.5#



#22

Diisopropyl ether

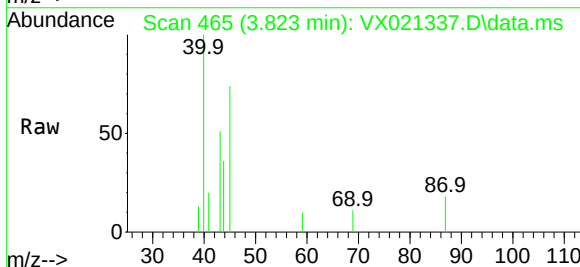
Concen: 0.40 ug/l

RT: 3.823 min Scan# 465

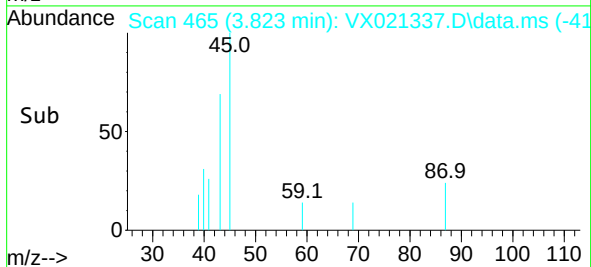
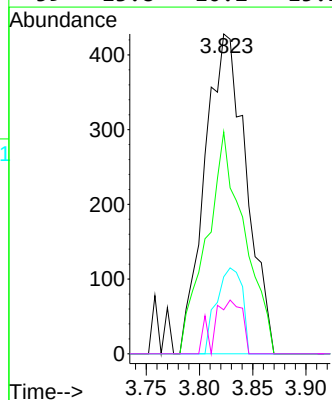
Delta R.T. -0.006 min

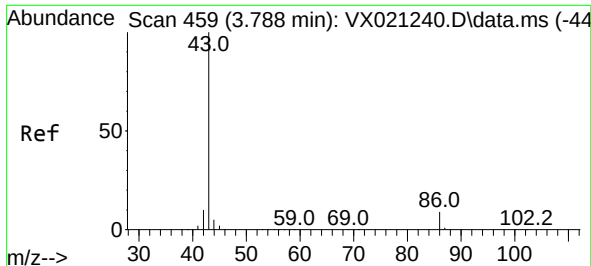
Lab File: VX021337.D

Acq: 20 Mar 2021 09:23



Tgt Ion:	45	Resp:	1157
Ion	Ratio	Lower	Upper
45	100		
43	69.4	58.0	87.0
87	24.1	25.4	38.0#
59	13.8	10.2	15.2

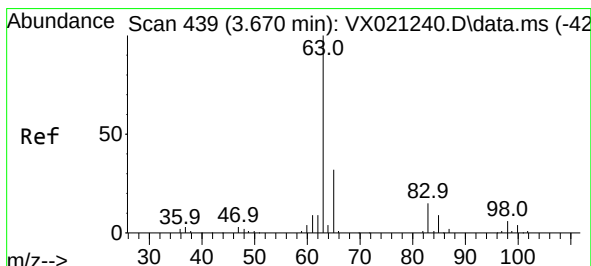
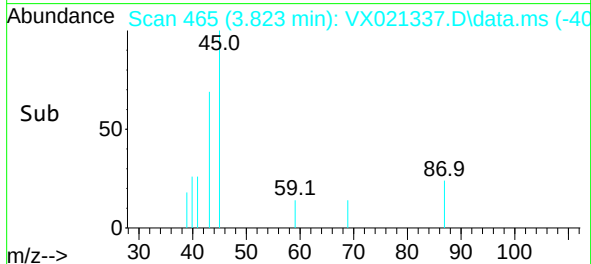
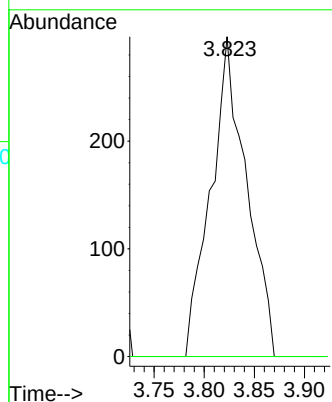
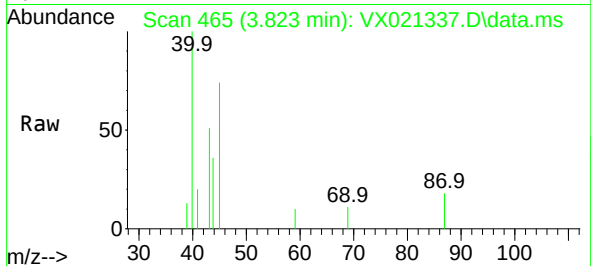




#23
 Vinyl Acetate
 Concen: 0.29 ug/l
 RT: 3.823 min Scan# 465
 Delta R.T. 0.035 min
 Lab File: VX021337.D
 Acq: 20 Mar 2021 09:23

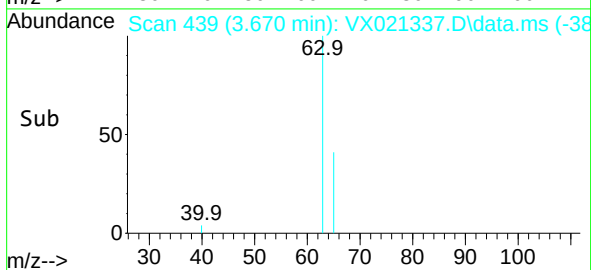
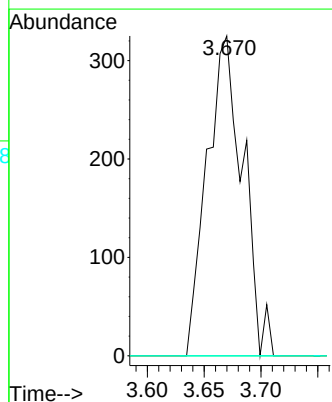
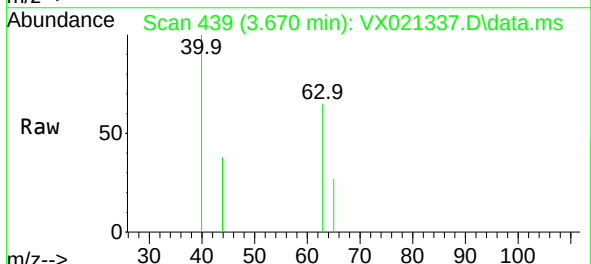
Instrument :
 MSVOA_X
 ClientSampled :

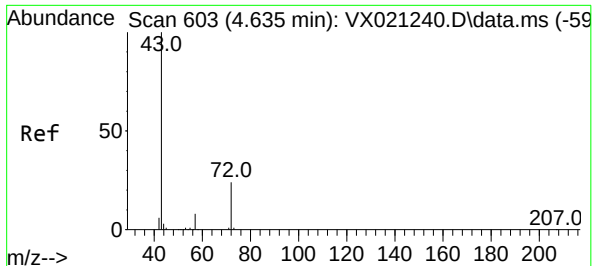
Tgt Ion: 43 Resp: 733
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#24
 1,1-Dichloroethane
 Concen: 0.46 ug/l
 RT: 3.670 min Scan# 439
 Delta R.T. -0.000 min
 Lab File: VX021337.D
 Acq: 20 Mar 2021 09:23

Tgt Ion: 63 Resp: 716
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.5 7.5#

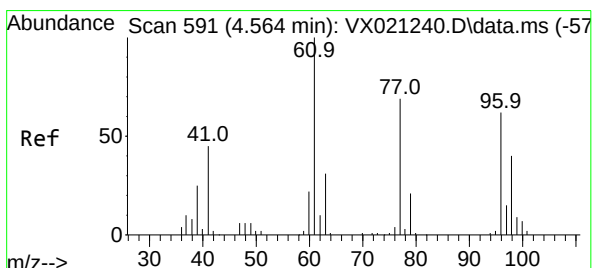
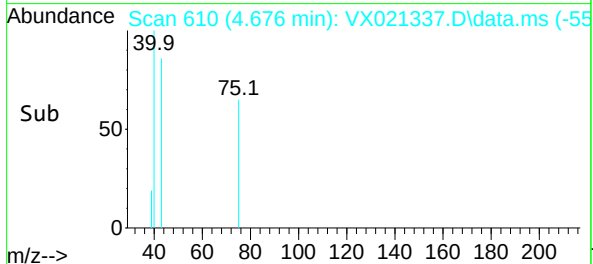
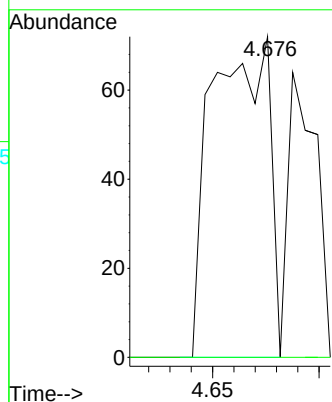
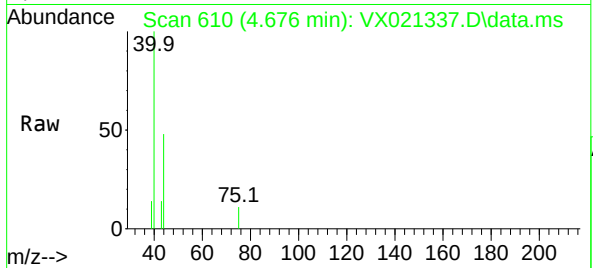




#25
2-Butanone
Concen: 0.20 ug/l
RT: 4.676 min Scan# 610
Delta R.T. 0.041 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

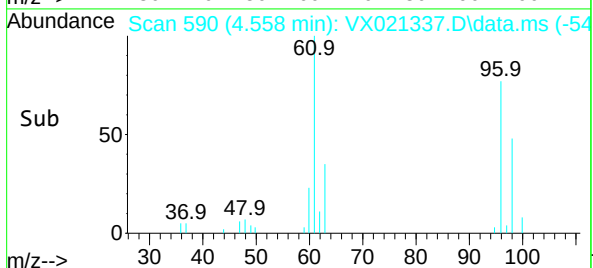
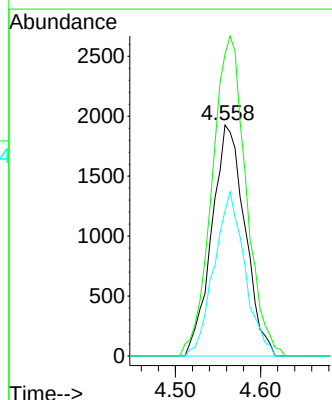
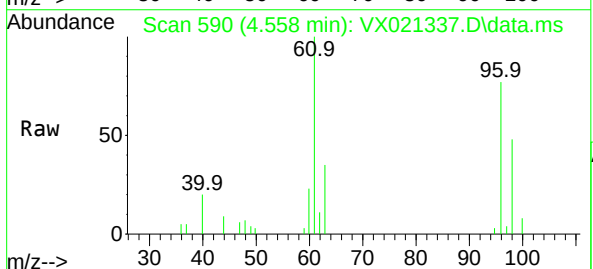
Instrument :
MSVOA_X
ClientSampled :

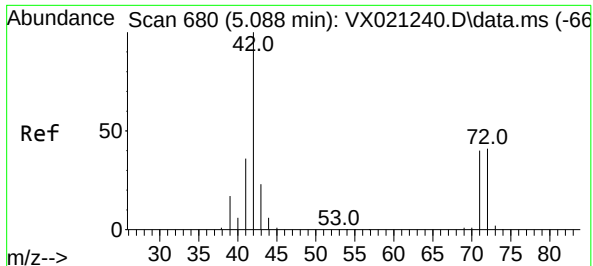
Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 5.55 ug/l
RT: 4.558 min Scan# 590
Delta R.T. -0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 96 Resp: 5211
Ion Ratio Lower Upper
96 100
61 141.8 0.0 285.6
98 65.7 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.105 min Scan# 683

Delta R.T. 0.017 min

Lab File: VX021337.D

Acq: 20 Mar 2021 09:23

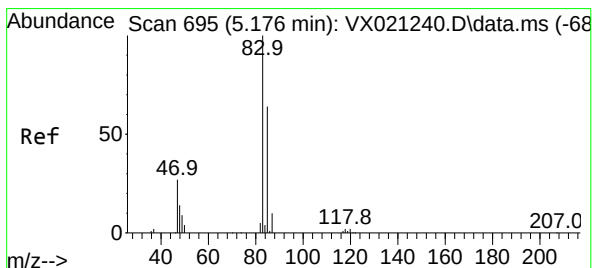
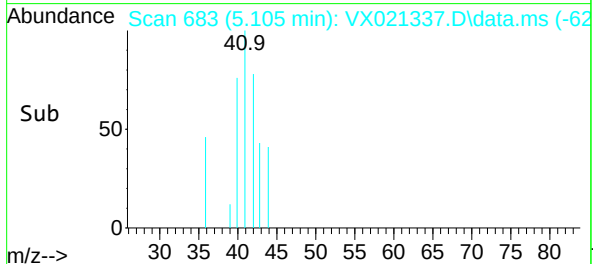
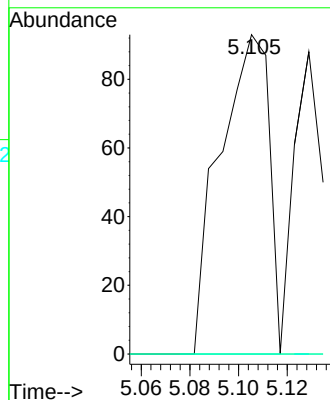
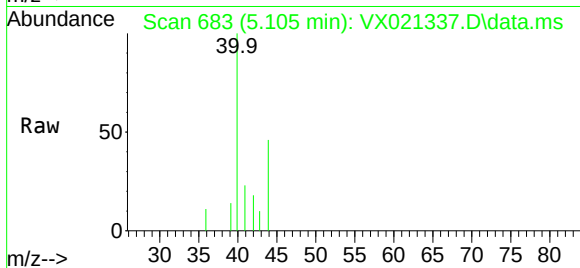
Tgt Ion: 42 Resp: 131

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 0.0 38.4 57.6#



#30

Chloroform

Concen: 0.46 ug/l

RT: 5.170 min Scan# 694

Delta R.T. -0.006 min

Lab File: VX021337.D

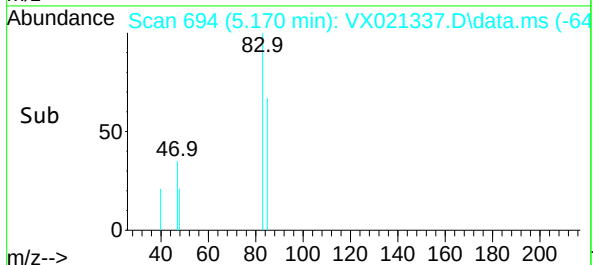
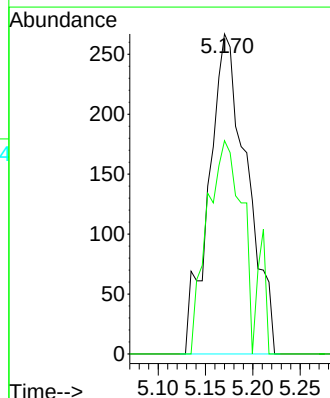
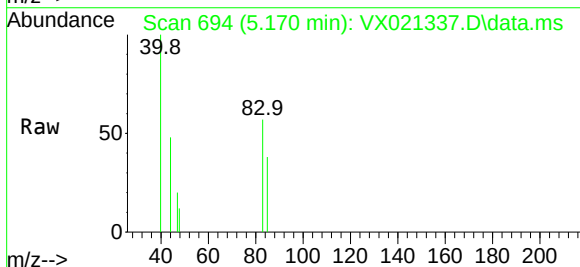
Acq: 20 Mar 2021 09:23

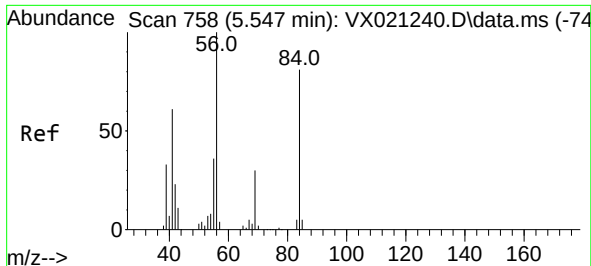
Tgt Ion: 83 Resp: 748

Ion Ratio Lower Upper

83 100

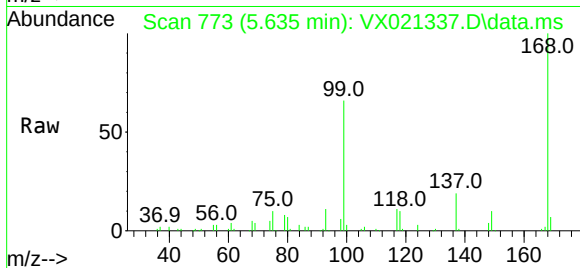
85 66.7 52.0 78.0



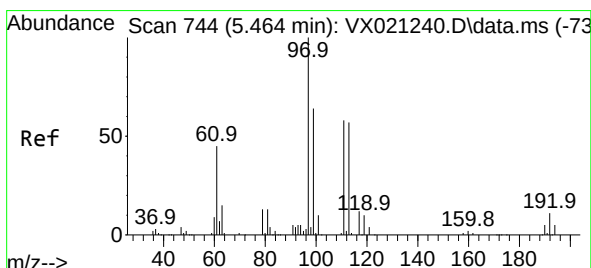
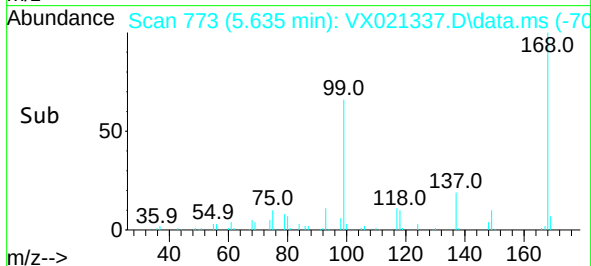
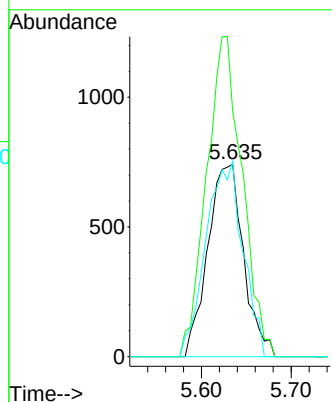


#31
Cyclohexane
Concen: 1.44 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Instrument :
MSVOA_X
ClientSampleId :

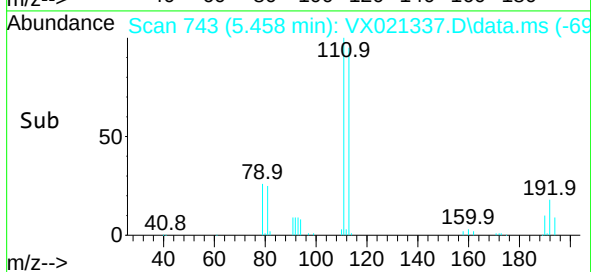
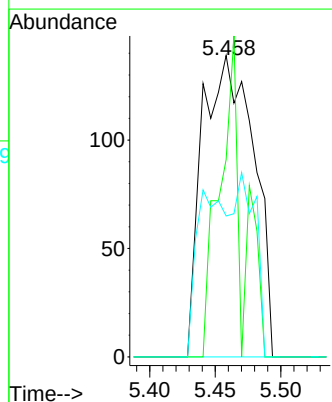
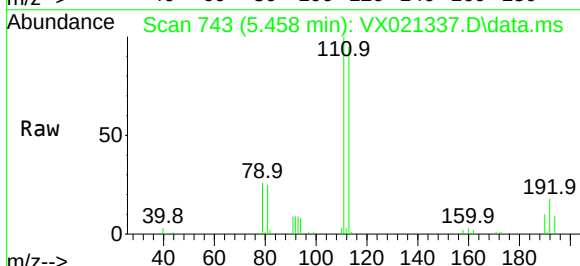


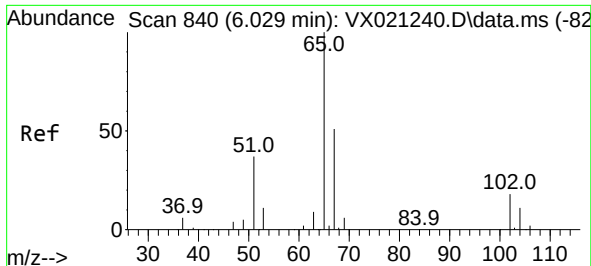
Tgt Ion: 56 Resp: 2048
Ion Ratio Lower Upper
56 100
69 127.4 25.3 37.9#
84 101.3 71.4 107.0



#32
1,1,1-Trichloroethane
Concen: 0.26 ug/l
RT: 5.458 min Scan# 743
Delta R.T. -0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 97 Resp: 377
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 31.6 34.2 51.4#





#33

1,2-Dichloroethane-d4

Concen: 49.86 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021337.D

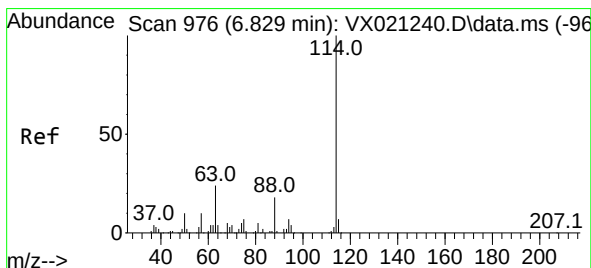
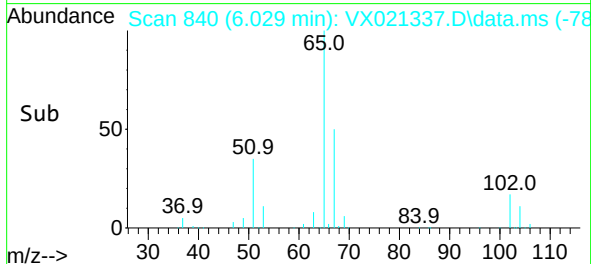
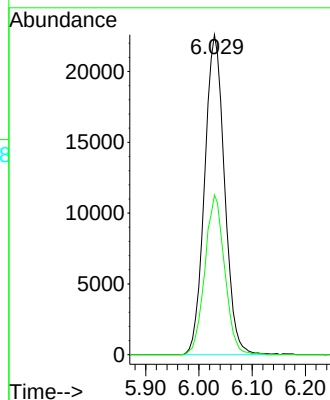
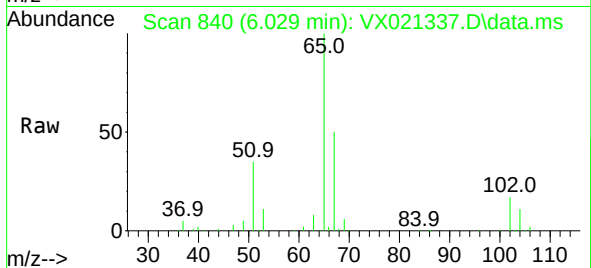
Acq: 20 Mar 2021 09:23

Tgt Ion: 65 Resp: 58734

Ion Ratio Lower Upper

65 100

67 49.4 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021337.D

Acq: 20 Mar 2021 09:23

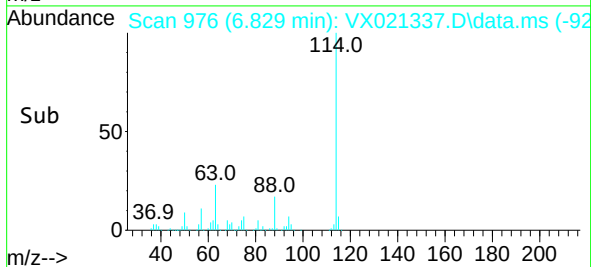
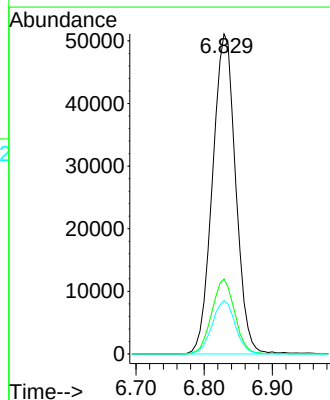
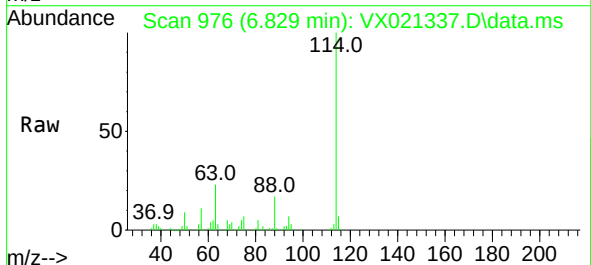
Tgt Ion: 114 Resp: 120703

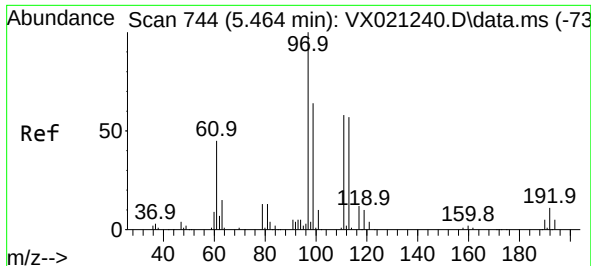
Ion Ratio Lower Upper

114 100

63 23.4 0.0 40.8

88 16.7 0.0 32.8

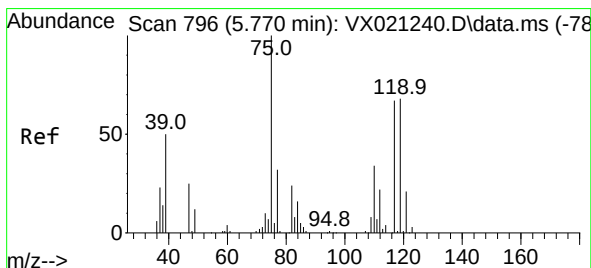
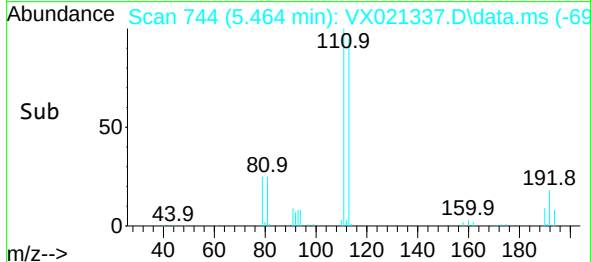
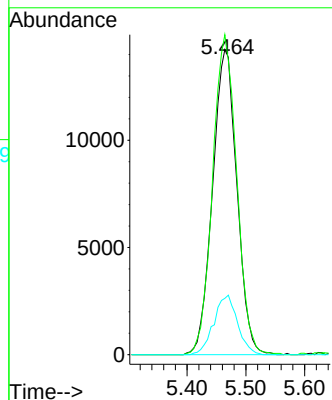
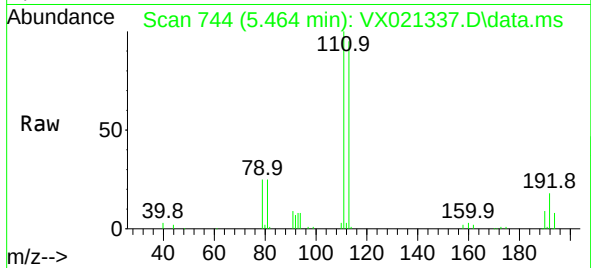




#35
Dibromofluoromethane
Concen: 49.81 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

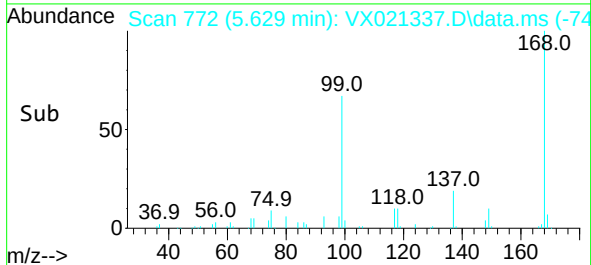
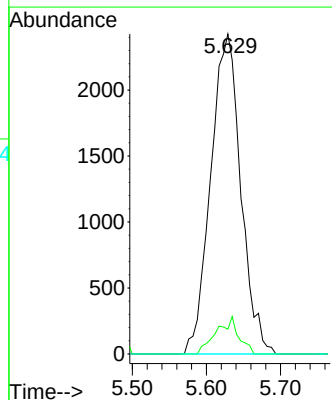
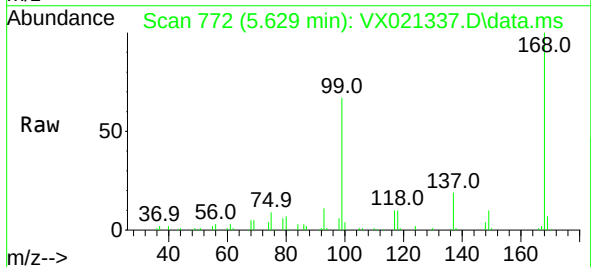
Instrument :
MSVOA_X
ClientSampleId :

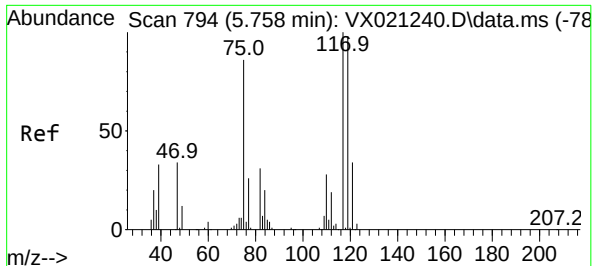
Tgt Ion:113 Resp: 40913
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.0 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.63 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

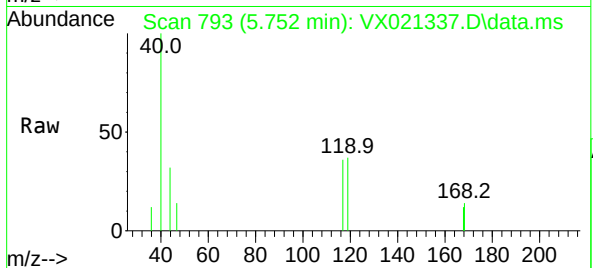
Tgt Ion: 75 Resp: 6844
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



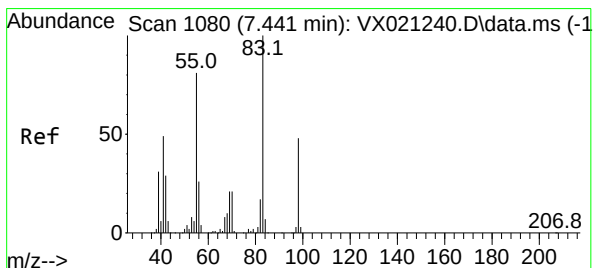
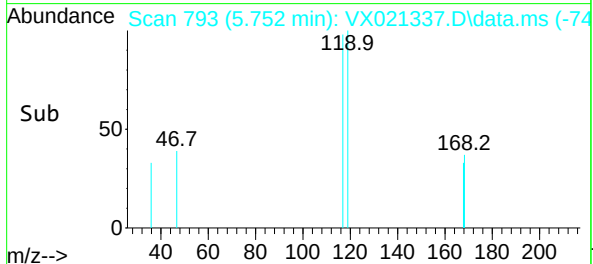
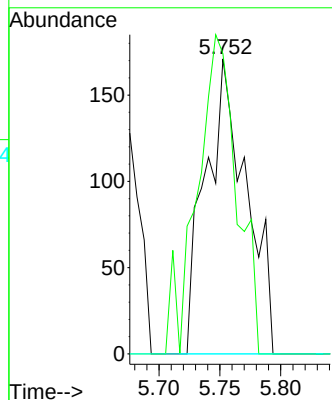


#38
Carbon Tetrachloride
Concen: 0.32 ug/l
RT: 5.752 min Scan# 793
Delta R.T. -0.006 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Instrument :
MSVOA_X
ClientSampleId :

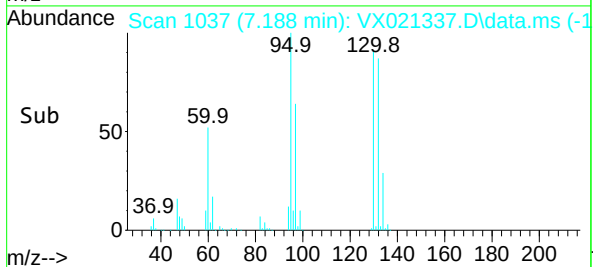
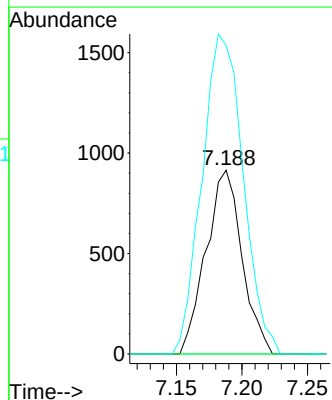
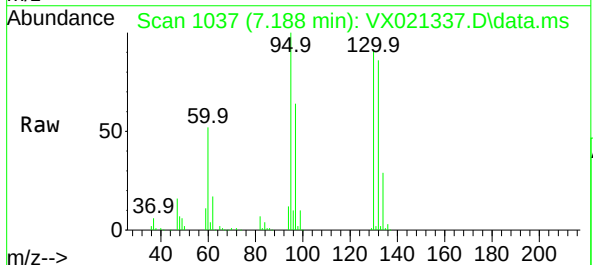


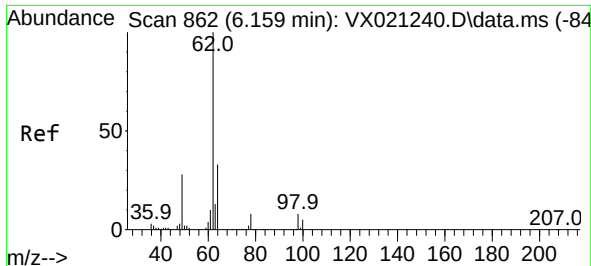
Tgt Ion:117 Resp: 398
Ion Ratio Lower Upper
117 100
119 101.8 76.2 114.2
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 1.29 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.253 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 83 Resp: 1746
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 168.1 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.47 ug/l

RT: 6.164 min Scan# 863

Delta R.T. 0.005 min

Lab File: VX021337.D

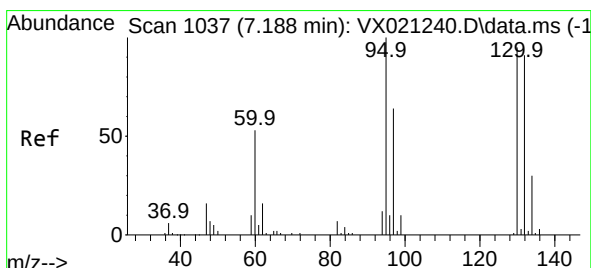
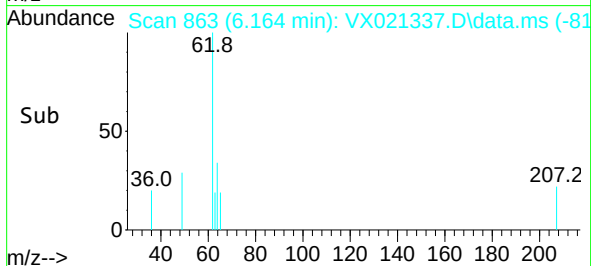
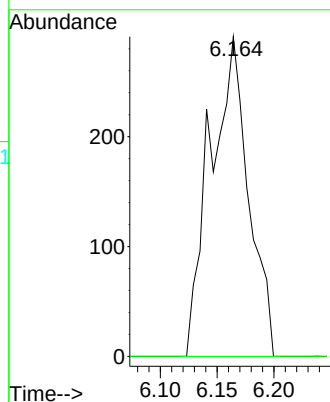
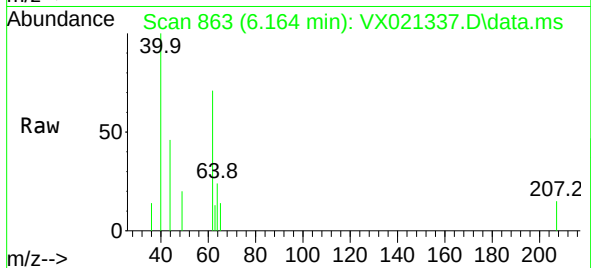
Acq: 20 Mar 2021 09:23

Tgt Ion: 62 Resp: 681

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2



#44

Trichloroethene

Concen: 140.22 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021337.D

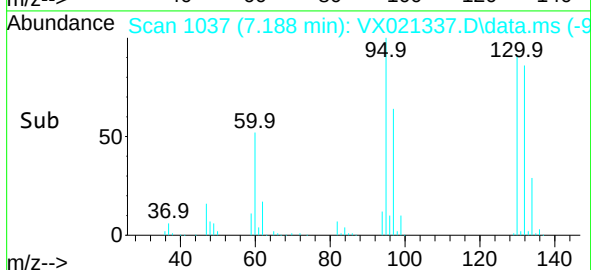
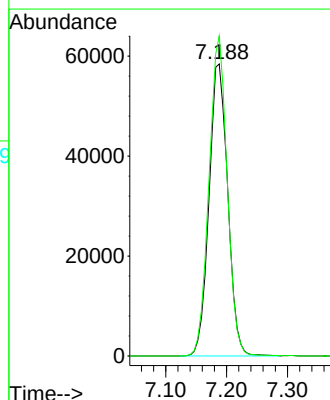
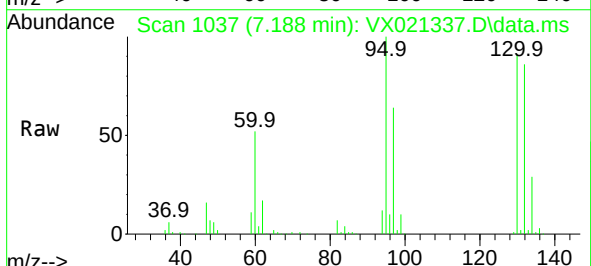
Acq: 20 Mar 2021 09:23

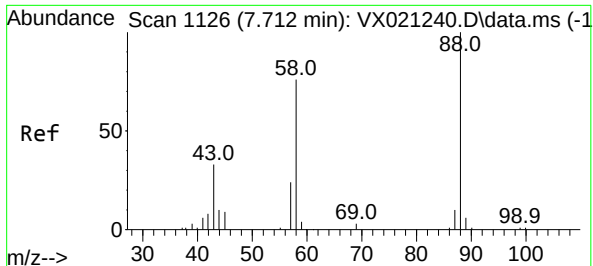
Tgt Ion: 130 Resp: 124834

Ion Ratio Lower Upper

130 100

95 109.6 0.0 198.0

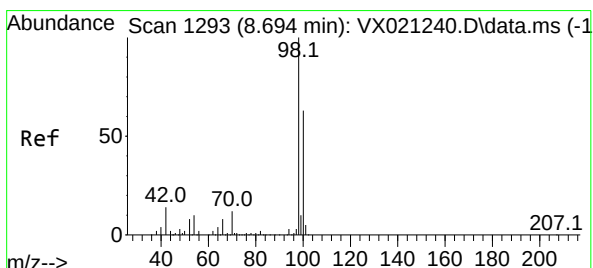
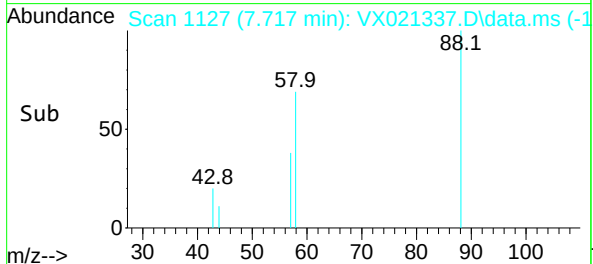
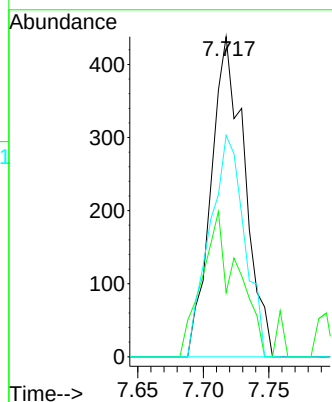
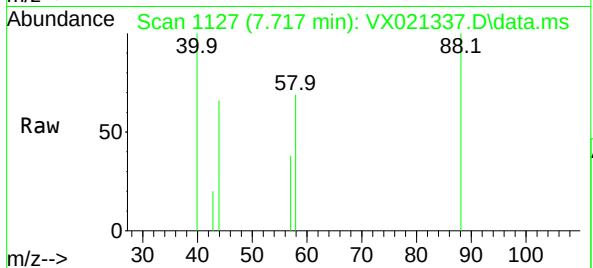




#49
1,4-Dioxane
Concen: 26.37 ug/l
RT: 7.717 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

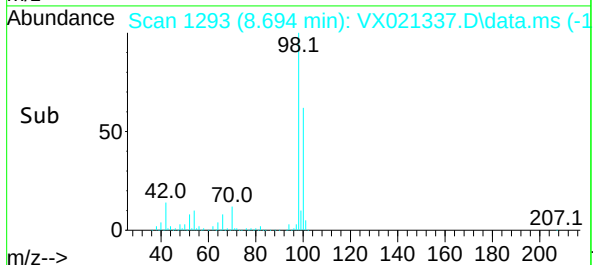
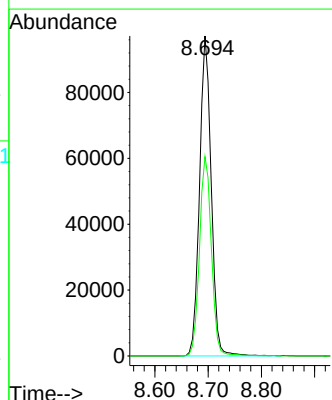
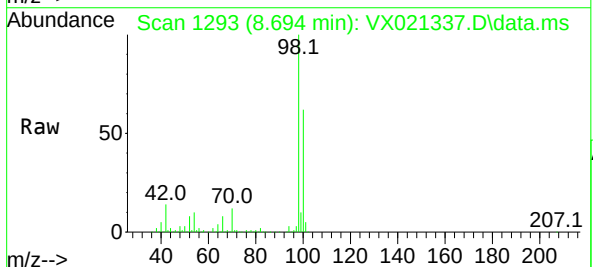
Instrument :
MSVOA_X
ClientSampled :

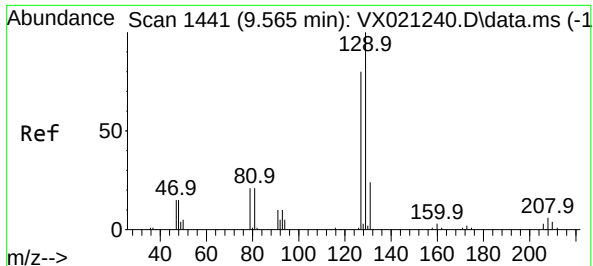
Tgt Ion: 88 Resp: 778
Ion Ratio Lower Upper
88 100
43 48.2 23.2 34.8#
58 72.0 55.0 82.4



#50
Toluene-d8
Concen: 49.61 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

Tgt Ion: 98 Resp: 147845
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

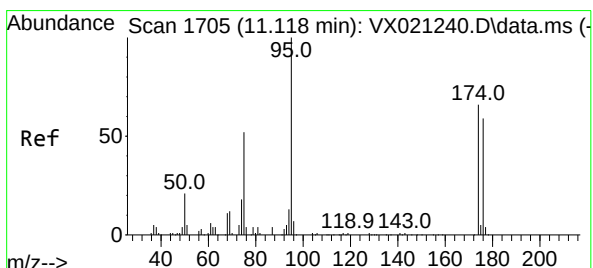
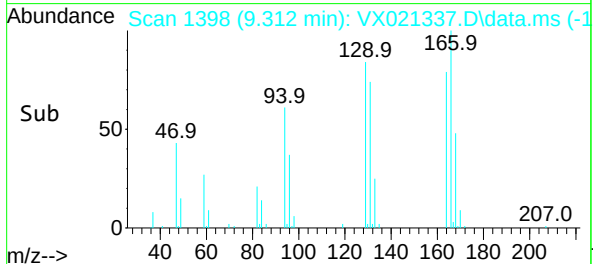
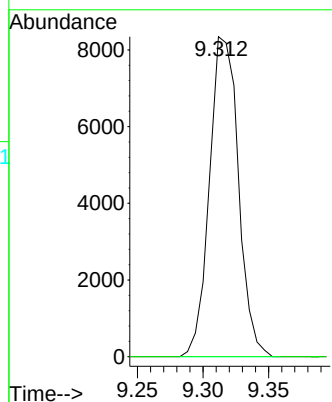
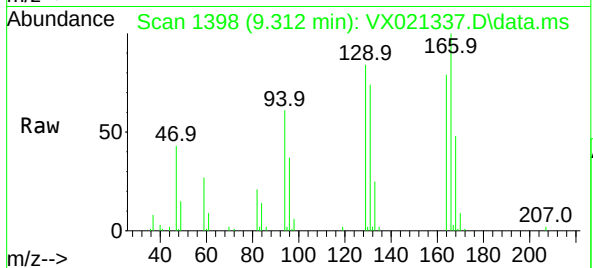




#60
Dibromochloromethane
Concen: 13.26 ug/l
RT: 9.312 min Scan# 1398
Delta R.T. -0.253 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

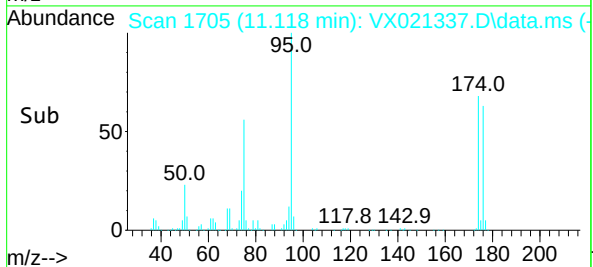
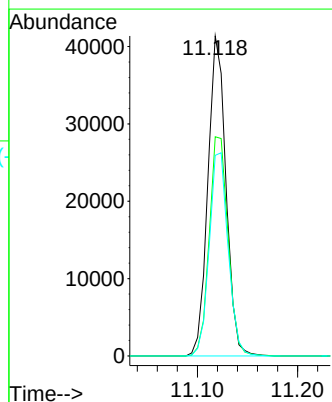
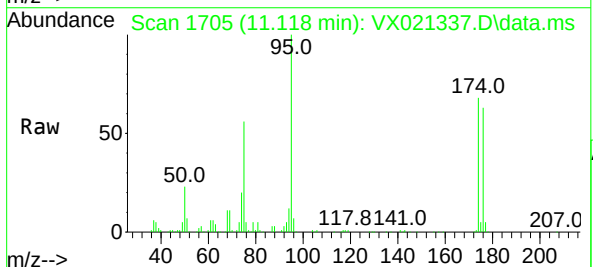
Instrument :
MSVOA_X
ClientSampleId :

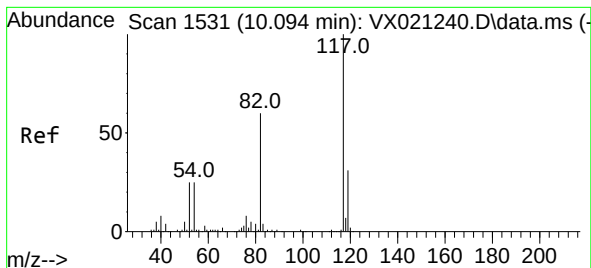
Tgt Ion:129 Resp: 12805
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 44.88 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

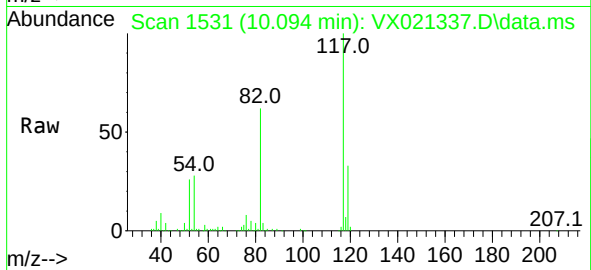
Tgt Ion: 95 Resp: 51943
Ion Ratio Lower Upper
95 100
174 71.5 0.0 154.6
176 66.3 0.0 155.8



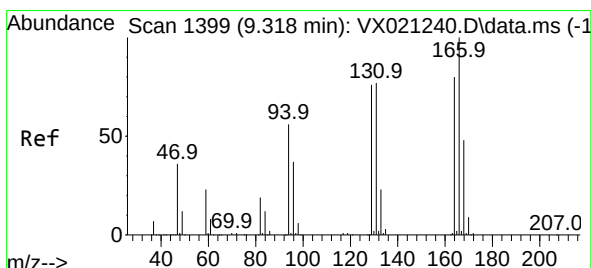
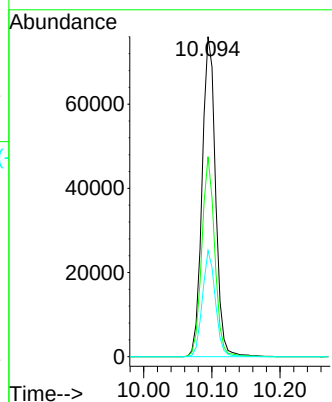
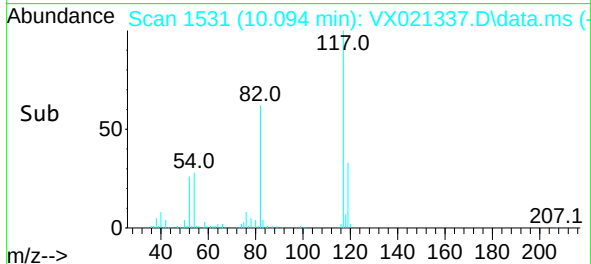


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

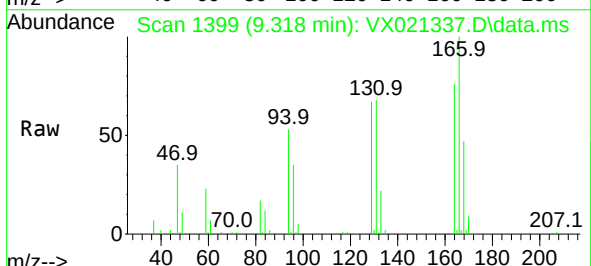
Instrument :
MSVOA_X
ClientSampleId :



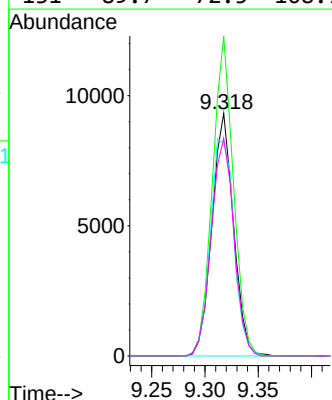
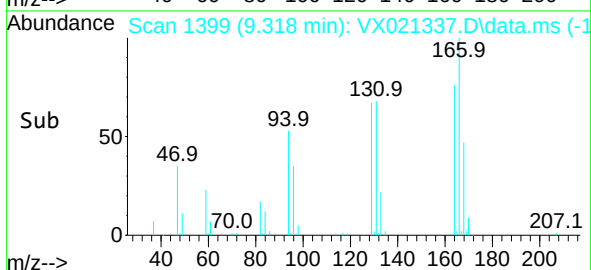
Tgt Ion:117 Resp: 104358
Ion Ratio Lower Upper
117 100
82 62.5 47.4 71.2
119 33.1 26.6 39.8

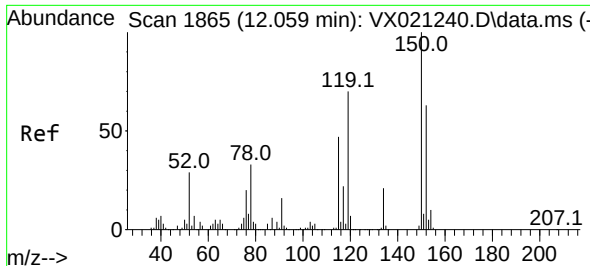


#64
Tetrachloroethene
Concen: 16.79 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23



Tgt Ion:164 Resp: 13085
Ion Ratio Lower Upper
164 100
166 131.9 103.4 155.2
129 87.8 70.8 106.2
131 89.7 72.5 108.7

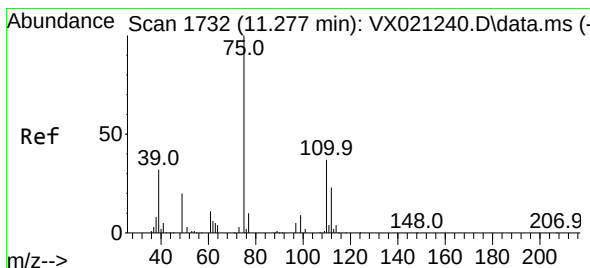
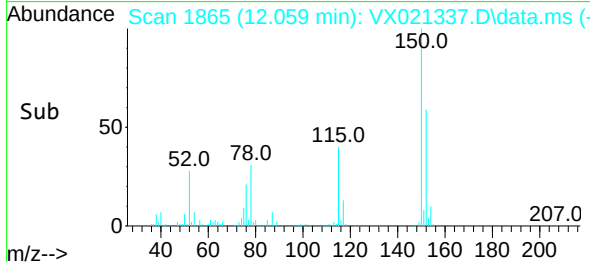
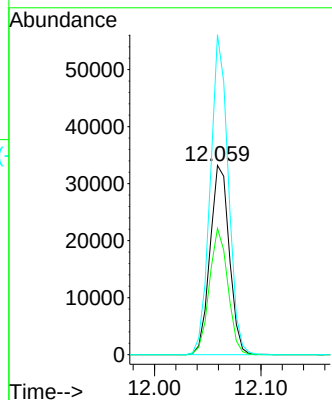
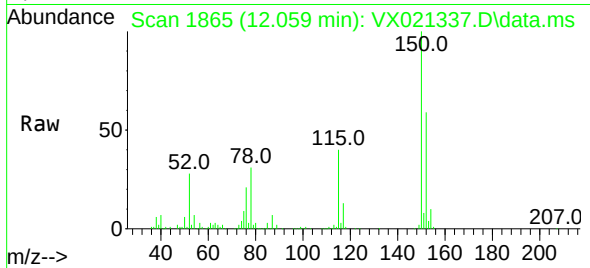




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

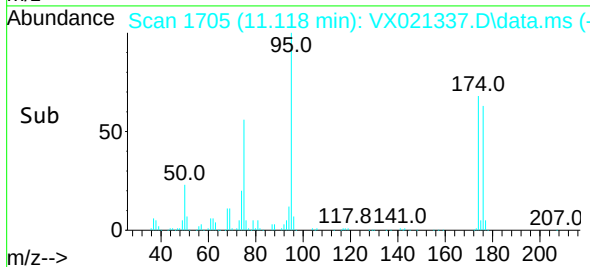
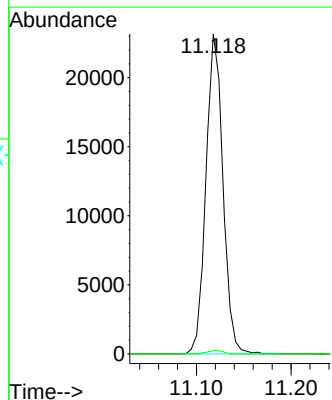
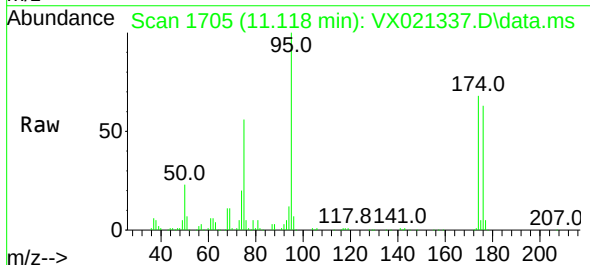
Instrument :
MSVOA_X
ClientSampled :

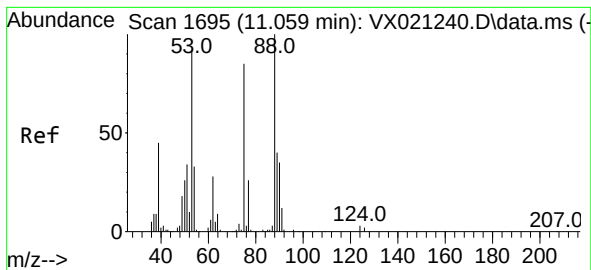
Tgt Ion:152 Resp: 41653
Ion Ratio Lower Upper
152 100
115 63.7 41.1 123.3
150 158.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.86 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021337.D
Acq: 20 Mar 2021 09:23

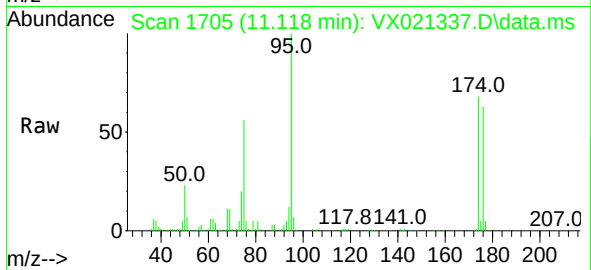
Tgt Ion: 75 Resp: 28851
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.07 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021337.D
 Acq: 20 Mar 2021 09:23

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 28851
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

