

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032421\
 Data File : VX021466.D
 Acq On : 25 Mar 2021 04:09
 Operator : JC/MD
 Sample : M1787-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 25 06:56:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

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

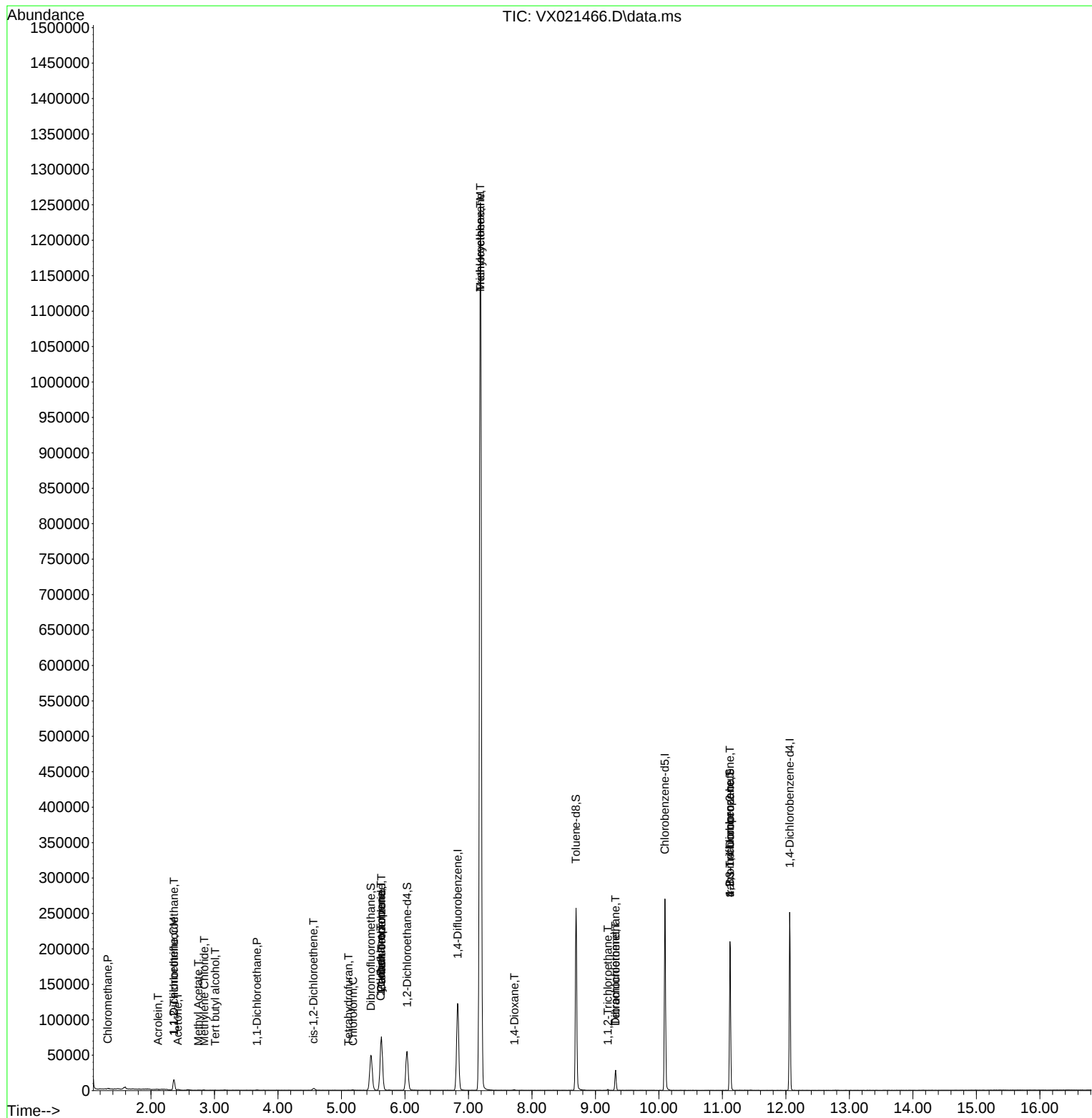
Internal Standards						
1) Pentafluorobenzene	5.629	168	62231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	115640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	54188	52.33	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.66%			
35) Dibromofluoromethane	5.464	113	40856	49.74	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.48%			
50) Toluene-d8	8.694	98	143234	48.93	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.86%			
62) 4-Bromofluorobenzene	11.118	95	53805	47.28	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.56%			
Target Compounds					Qvalue	
3) Chloromethane	1.317	50	1645	2.13	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.364	101	3817	5.96	ug/l	95
11) Tert butyl alcohol	3.011	59	68	0.40	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	1982	3.16	ug/l	89
13) Acrolein	2.111	56	22	4.55	ug/l	86
16) Acetone	2.423	43	884	2.26	ug/l #	83
18) Methyl Acetate	2.746	43	249	0.22	ug/l #	47
20) Methylene Chloride	2.840	84	203	0.27	ug/l #	79
24) 1,1-Dichloroethane	3.670	63	666	0.50	ug/l #	81
27) cis-1,2-Dichloroethene	4.558	96	1454	1.82	ug/l	98
29) Tetrahydrofuran	5.111	42	81	0.21	ug/l #	27
30) Chloroform	5.182	83	538	0.38	ug/l	87
31) Cyclohexane	5.617	56	1789	1.57	ug/l #	37
36) 1,1-Dichloropropene	5.623	75	5781	5.10	ug/l #	46
38) Carbon Tetrachloride	5.629	117	6870	5.64	ug/l #	18
39) Methylcyclohexane	7.188	83	6074	4.84	ug/l #	1
44) Trichloroethene	7.188	130	436818	514.46	ug/l	92
49) 1,4-Dioxane	7.723	88	569	28.01	ug/l #	92
55) 1,1,2-Trichloroethane	9.194	97	321	0.38	ug/l #	86
60) Dibromochloromethane	9.318	129	4836	5.15	ug/l #	11
64) Tetrachloroethene	9.318	164	4705	6.37	ug/l	93
76) 1,2,3-Trichloropropane	11.118	75	30633	28.99	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30633	88.31	ug/l #	12

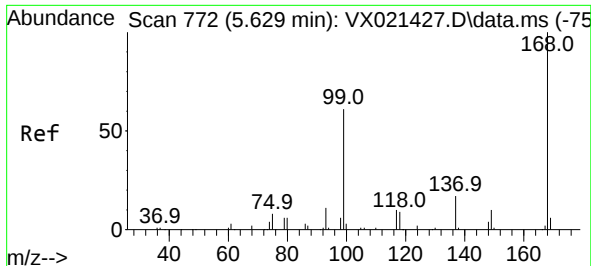
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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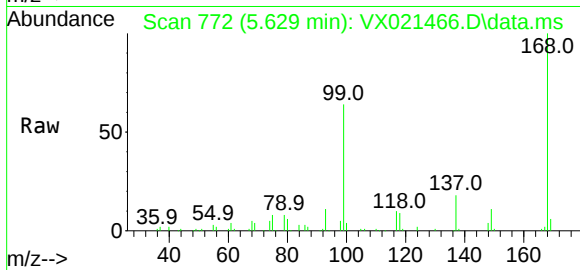
Quant Time: Mar 25 06:56:11 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 24 12:25:26 2021
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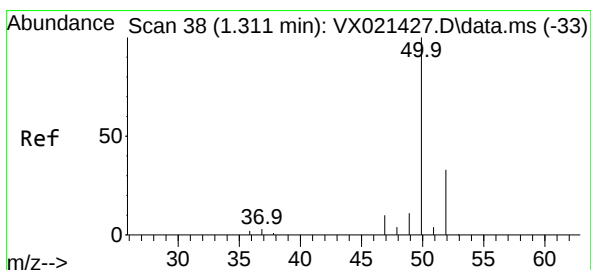
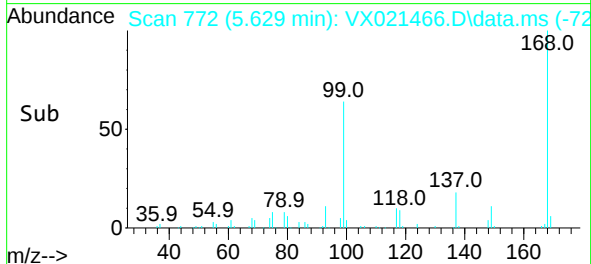
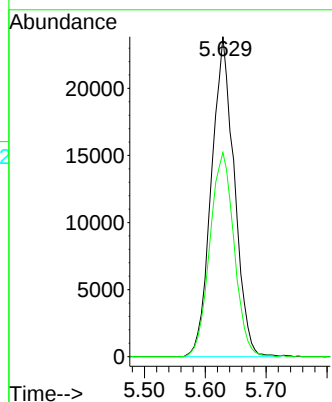


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Instrument :
MSVOA_X
ClientSampleId :

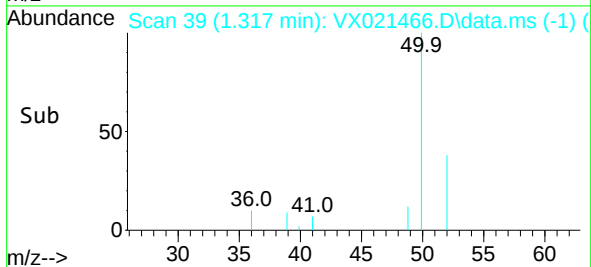
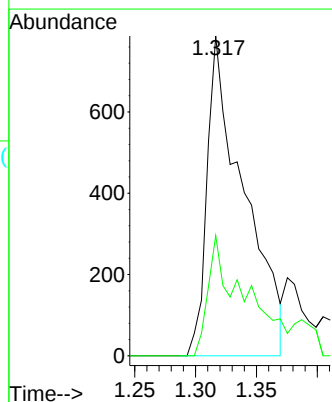
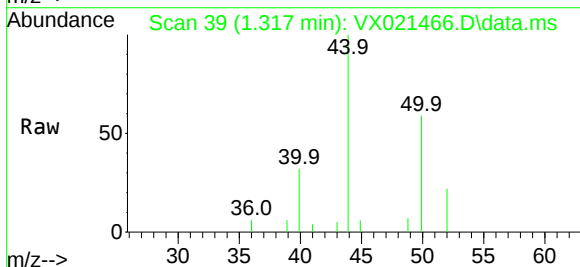


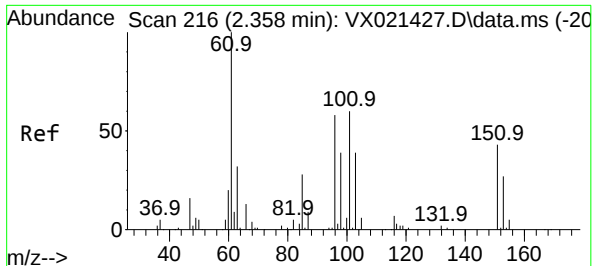
Tgt Ion:168 Resp: 62231
Ion Ratio Lower Upper
168 100
99 63.8 45.8 68.6



#3
Chloromethane
Concen: 2.13 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion: 50 Resp: 1645
Ion Ratio Lower Upper
50 100
52 37.6 26.4 39.6

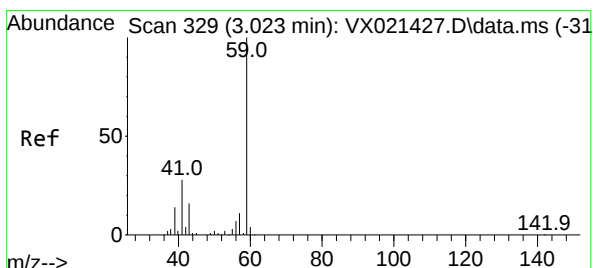
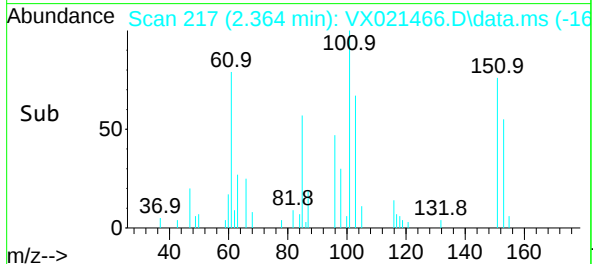
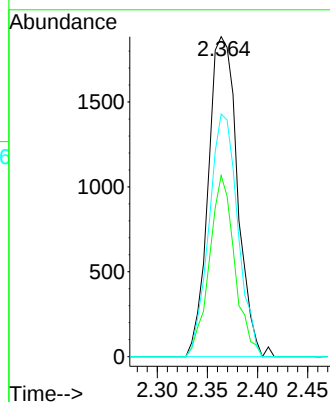
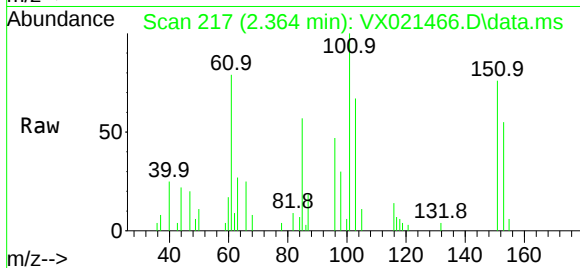




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.96 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

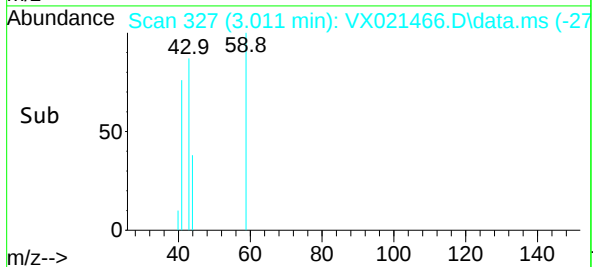
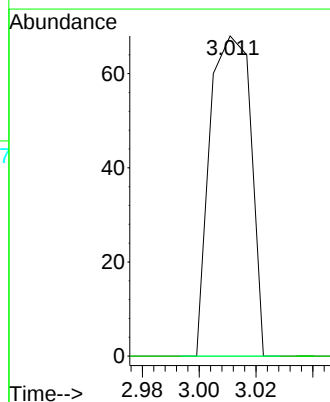
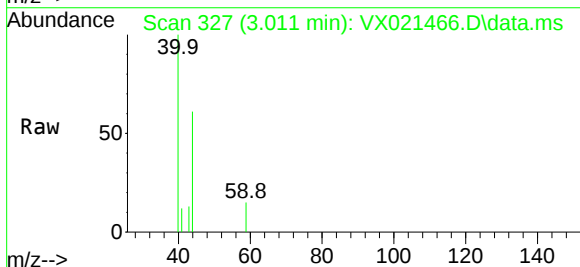
Instrument :
MSVOA_X
ClientSampleId :

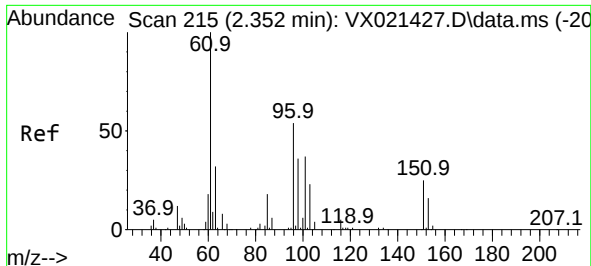
Tgt Ion:101 Resp: 3817
Ion Ratio Lower Upper
101 100
85 49.0 34.9 52.3
151 74.6 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.40 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

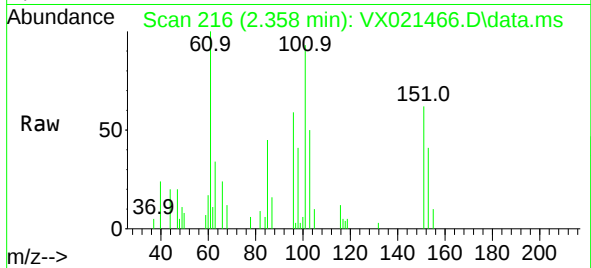
Tgt Ion: 59 Resp: 68
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



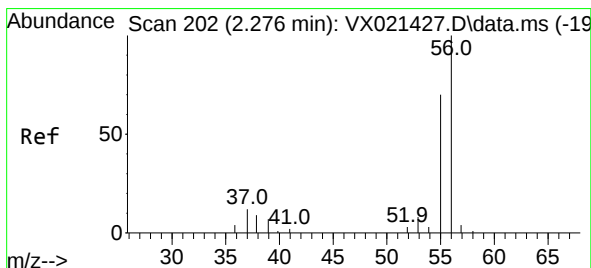
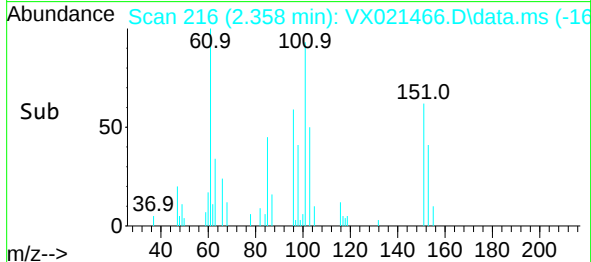
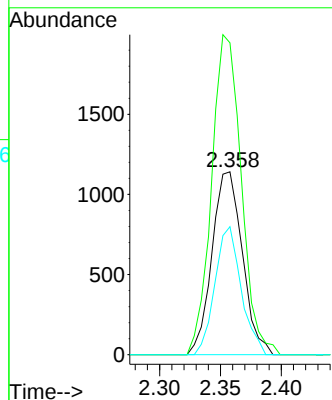


#12
1,1-Dichloroethene
Concen: 3.16 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Instrument :
MSVOA_X
ClientSampled :

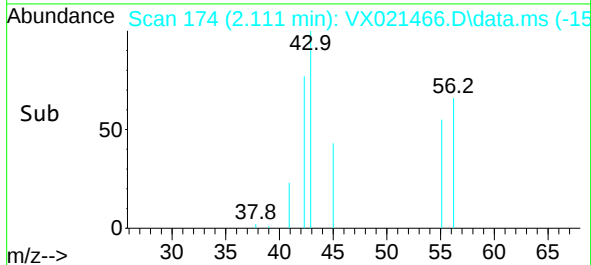
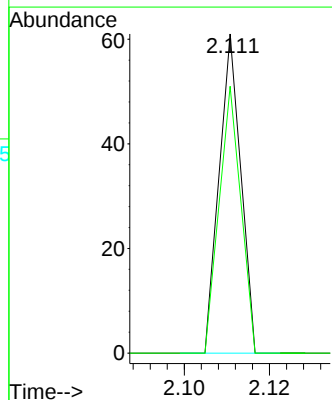
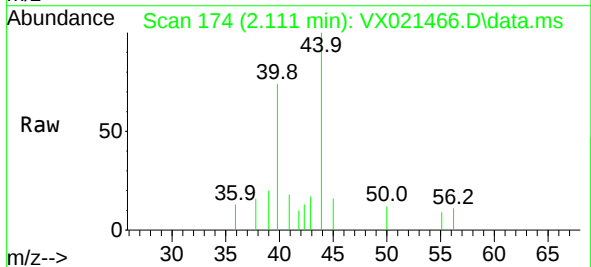


Tgt Ion: 96 Resp: 1982
Ion Ratio Lower Upper
96 100
61 170.6 124.6 187.0
98 70.0 50.6 76.0



#13
Acrolein
Concen: 4.55 ug/l
RT: 2.111 min Scan# 174
Delta R.T. -0.165 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

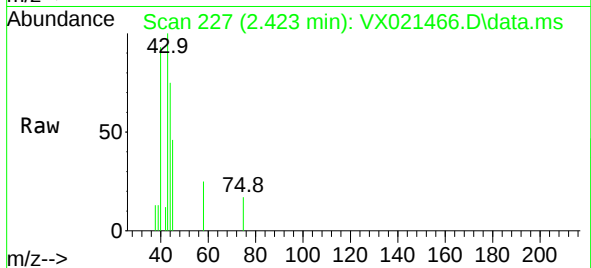
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 81.8 56.4 84.6



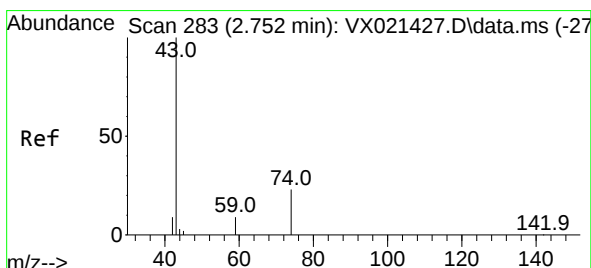
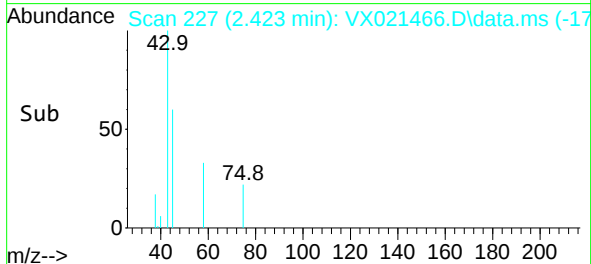
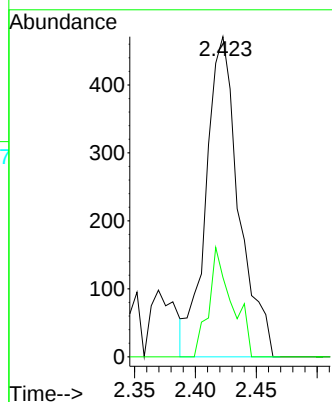


#16
Acetone
Concen: 2.26 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Instrument :
MSVOA_X
ClientSampled :

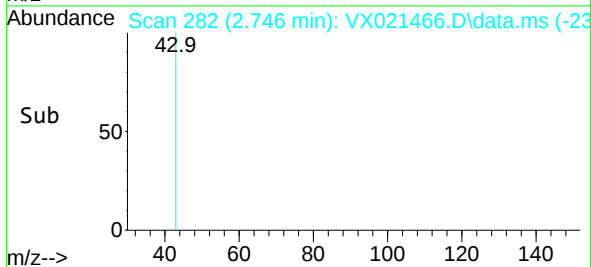
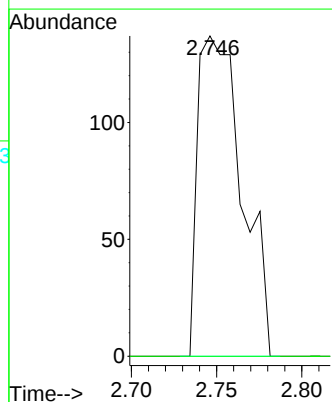
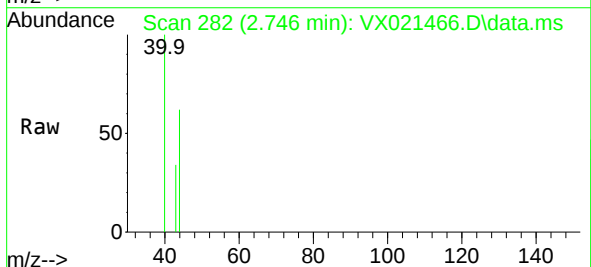


Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
58 24.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.22 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.27 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

Tgt Ion: 84 Resp: 203

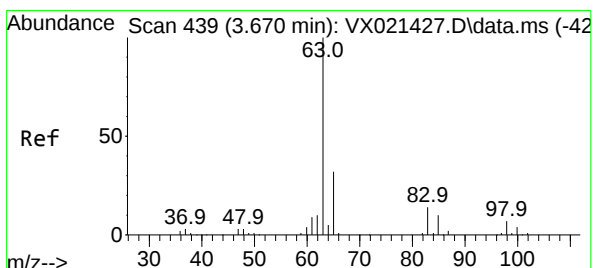
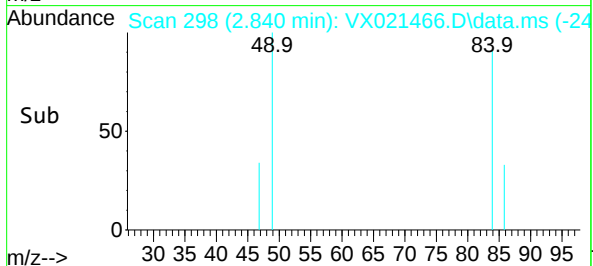
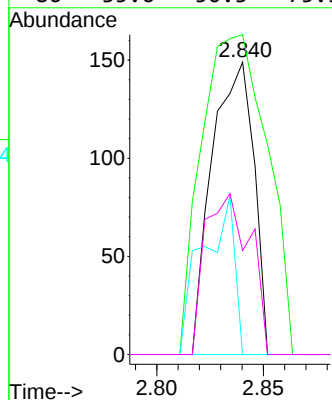
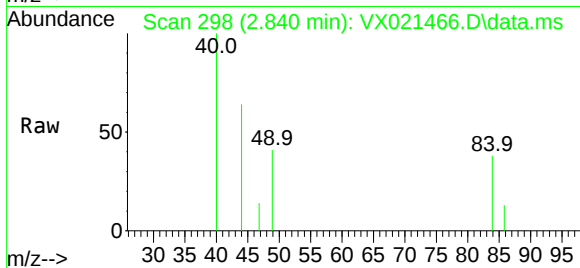
Ion Ratio Lower Upper

84 100

49 109.4 88.6 132.8

51 0.0 27.0 40.6#

86 35.6 50.3 75.5#



#24

1,1-Dichloroethane

Concen: 0.50 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

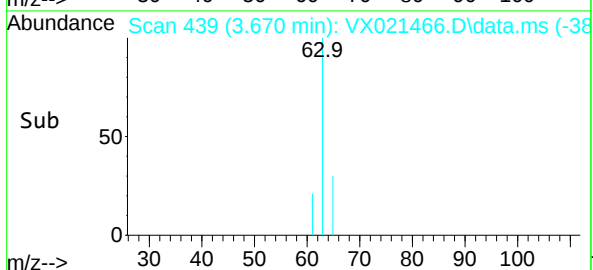
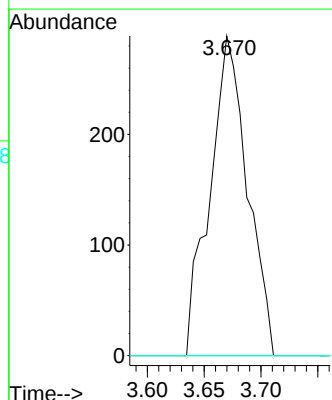
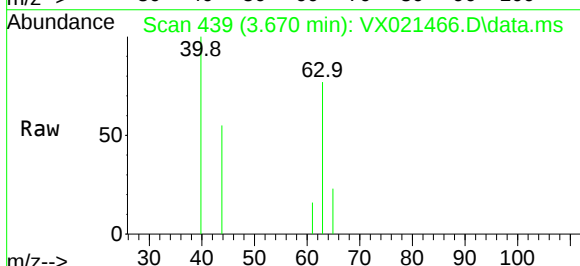
Tgt Ion: 63 Resp: 666

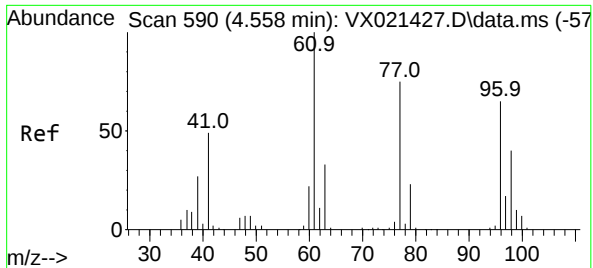
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#





#27

cis-1,2-Dichloroethene

Concen: 1.82 ug/l

RT: 4.558 min Scan# 590

Delta R.T. 0.000 min

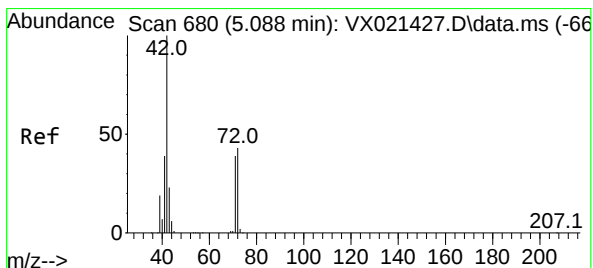
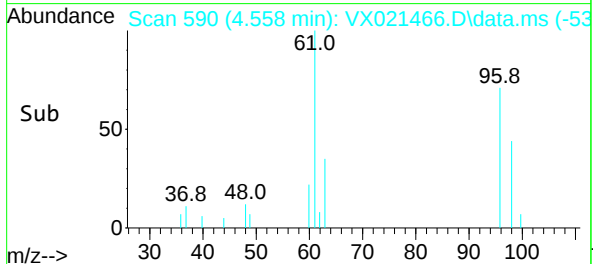
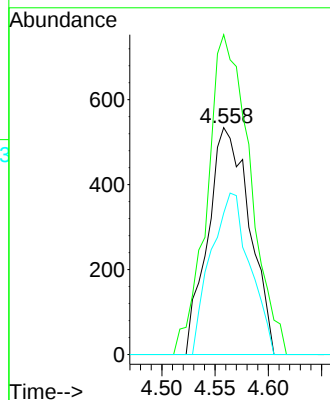
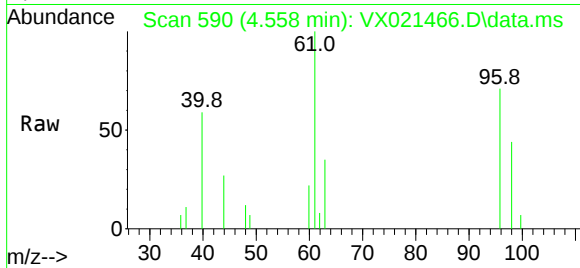
Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

Tgt Ion: 96 Resp: 1454

Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	285.6
98	66.7	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 5.111 min Scan# 684

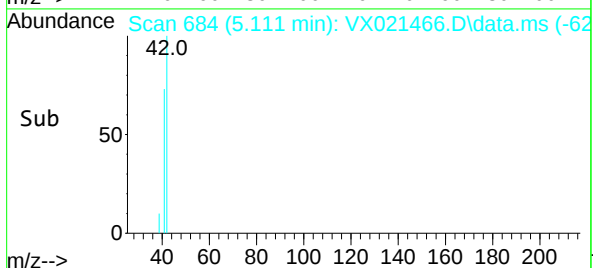
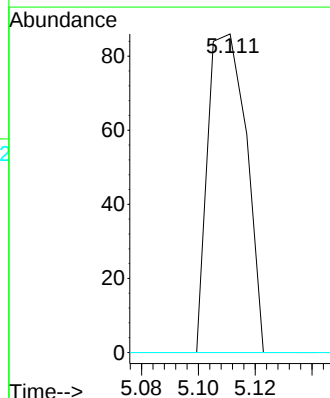
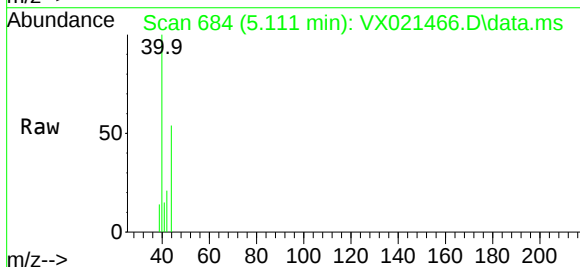
Delta R.T. 0.023 min

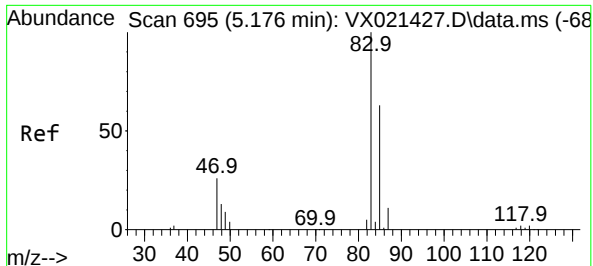
Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

Tgt Ion: 42 Resp: 81

Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#





#30

Chloroform

Concen: 0.38 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

Lab File: VX021466.D

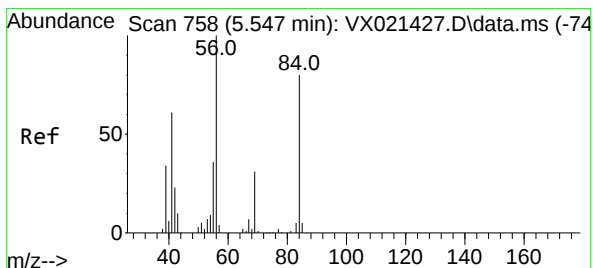
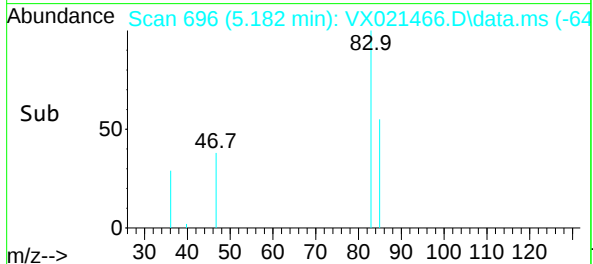
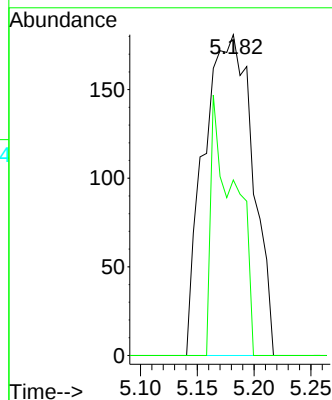
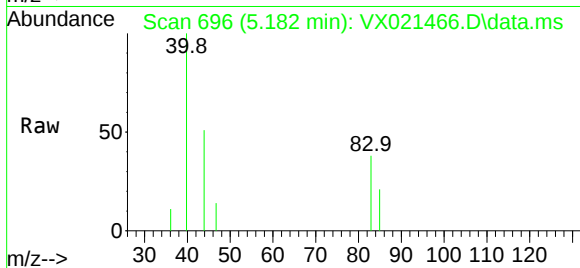
Acq: 25 Mar 2021 04:09

Tgt Ion: 83 Resp: 538

Ion Ratio Lower Upper

83 100

85 54.7 52.0 78.0



#31

Cyclohexane

Concen: 1.57 ug/l

RT: 5.617 min Scan# 770

Delta R.T. 0.070 min

Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

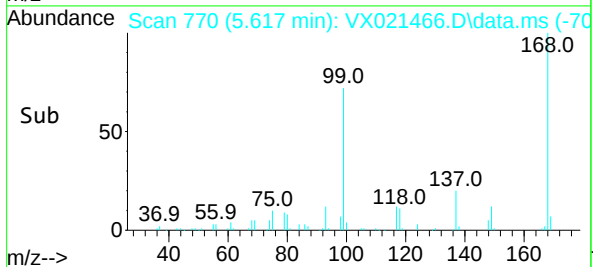
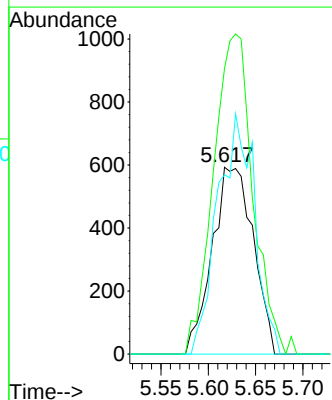
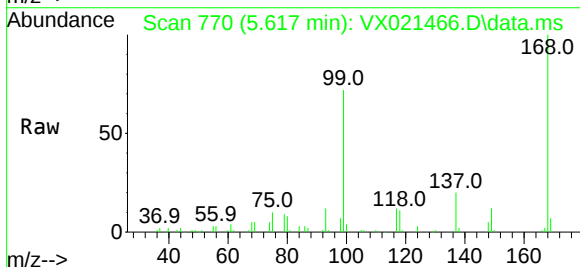
Tgt Ion: 56 Resp: 1789

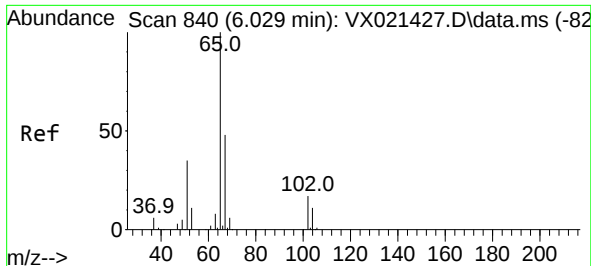
Ion Ratio Lower Upper

56 100

69 153.0 25.3 37.9#

84 96.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 52.33 ug/l

RT: 6.035 min Scan# 841

Delta R.T. 0.006 min

Lab File: VX021466.D

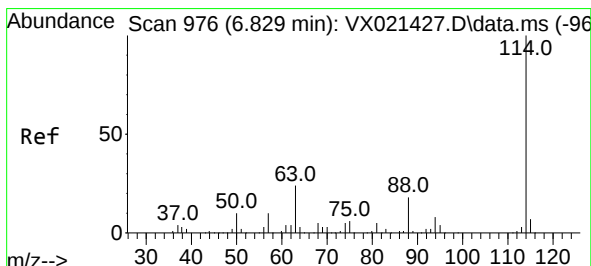
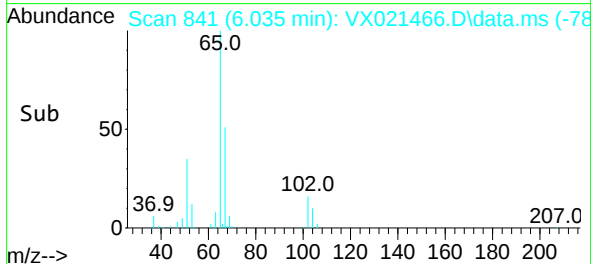
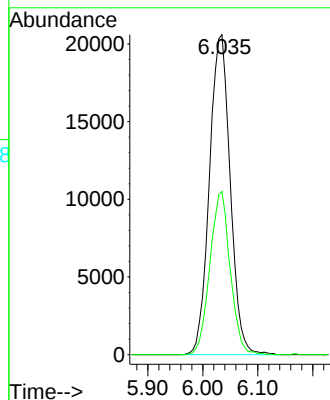
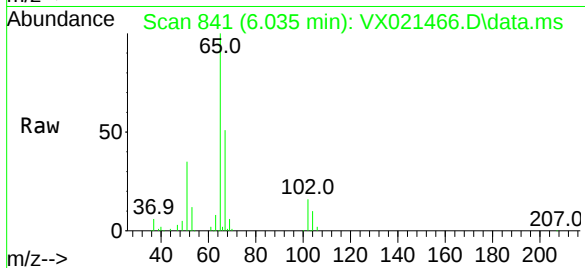
Acq: 25 Mar 2021 04:09

Tgt Ion: 65 Resp: 54188

Ion Ratio Lower Upper

65 100

67 49.8 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: VX021466.D

Acq: 25 Mar 2021 04:09

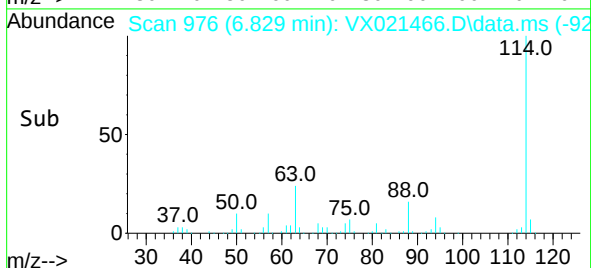
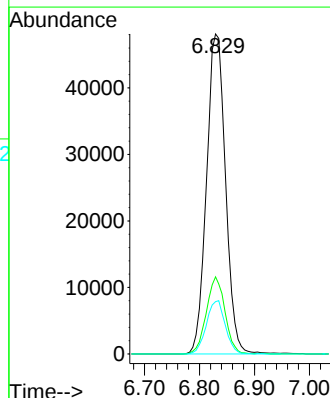
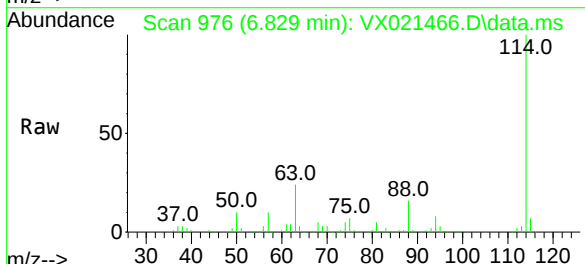
Tgt Ion: 114 Resp: 115640

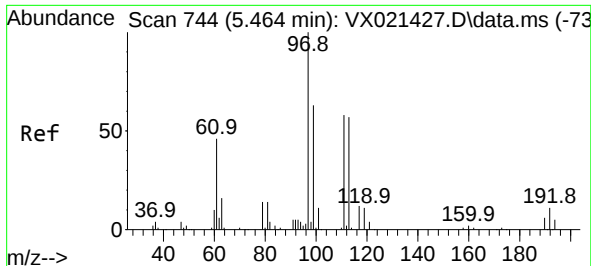
Ion Ratio Lower Upper

114 100

63 24.1 0.0 40.8

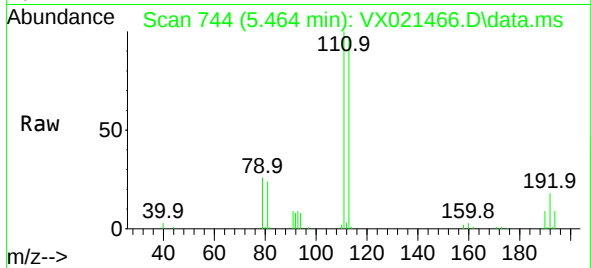
88 16.4 0.0 32.8



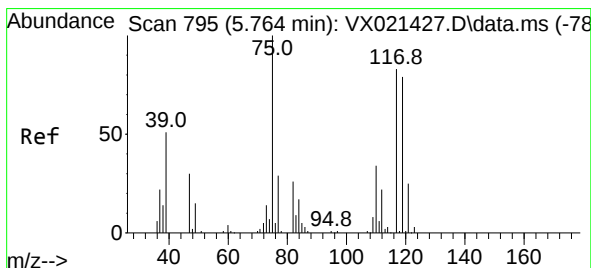
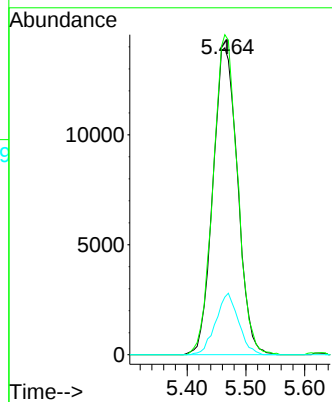
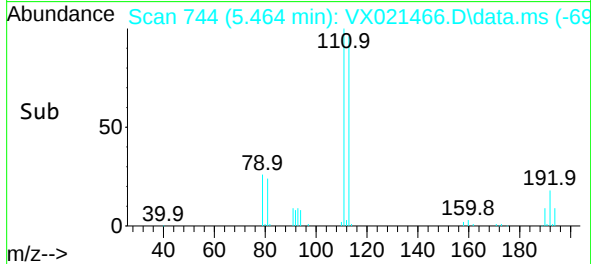


#35
Dibromofluoromethane
Concen: 49.74 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

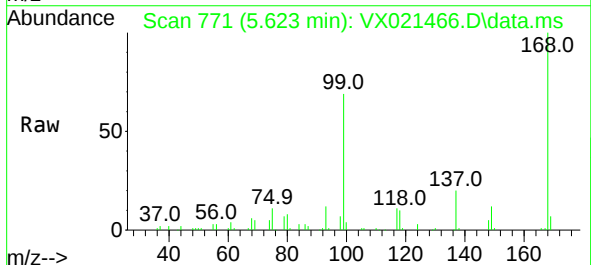
Instrument :
MSVOA_X
ClientSampled :



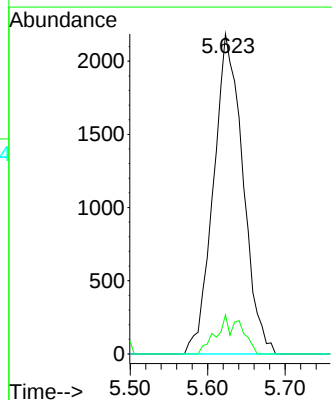
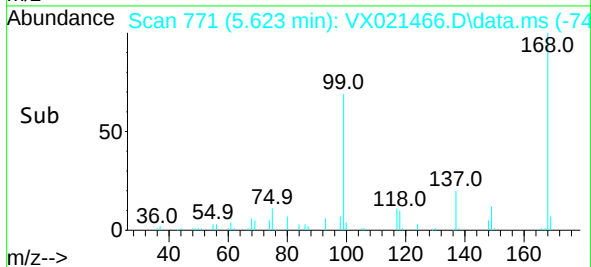
Tgt Ion:113 Resp: 40856
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 18.4 16.7 25.1

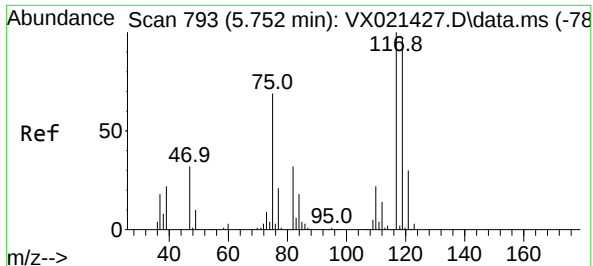


#36
1,1-Dichloropropene
Concen: 5.10 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09



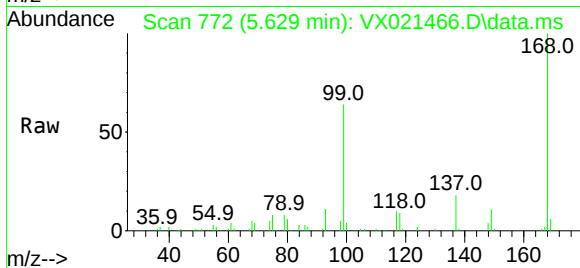
Tgt Ion: 75 Resp: 5781
Ion Ratio Lower Upper
75 100
110 5.6 18.1 54.4#
77 0.0 25.3 37.9#



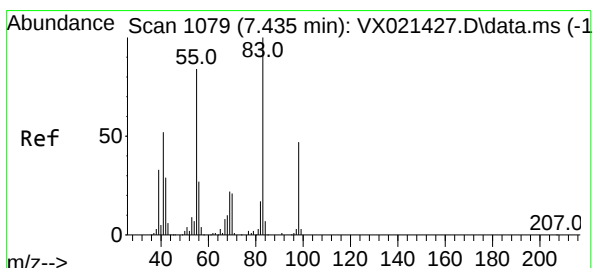
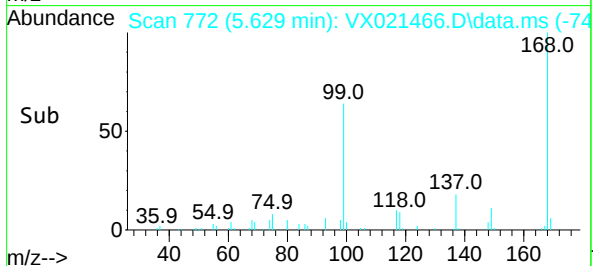
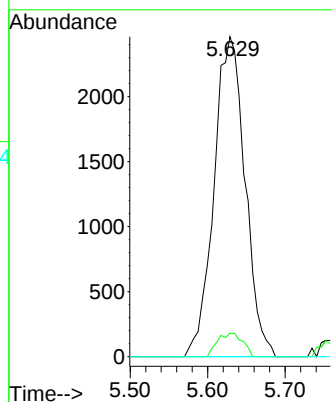


#38
Carbon Tetrachloride
Concen: 5.64 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Instrument :
MSVOA_X
ClientSampled :

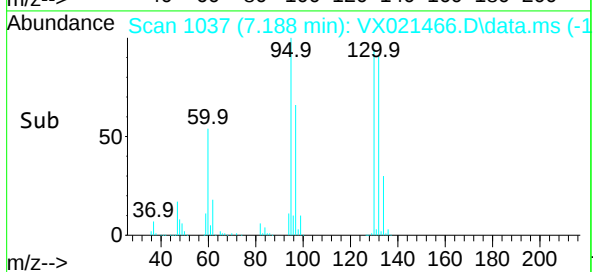
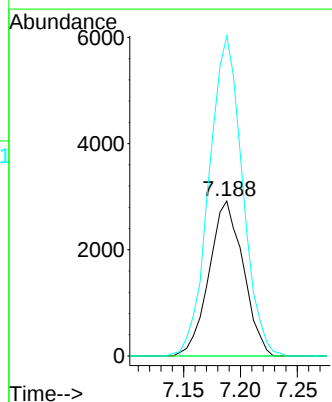
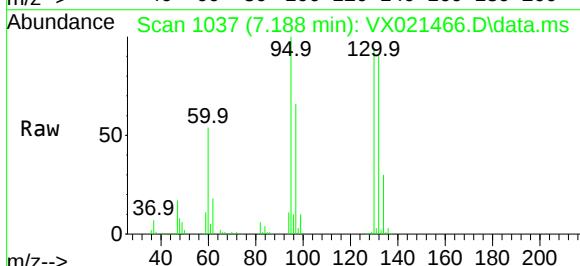


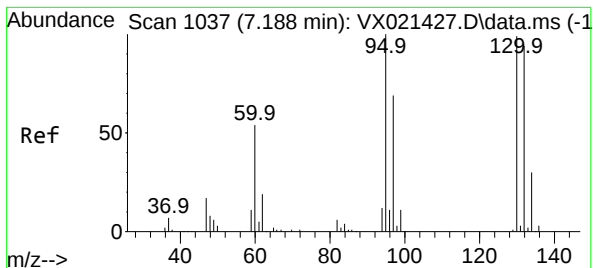
Tgt Ion:117 Resp: 6870
Ion Ratio Lower Upper
117 100
119 7.3 76.2 114.2#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: 4.84 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion: 83 Resp: 6074
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 204.7 38.1 57.1#





#44

Trichloroethene

Concen: 514.46 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021466.D

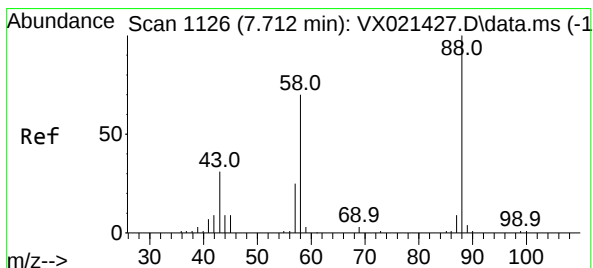
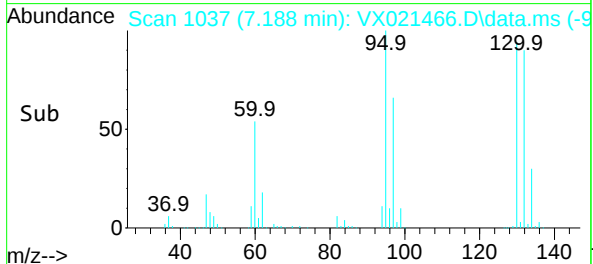
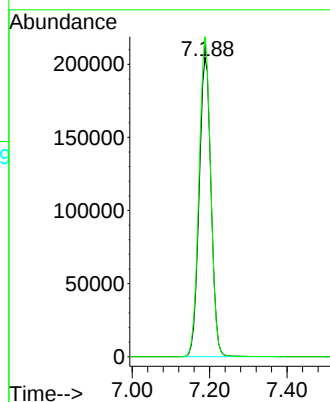
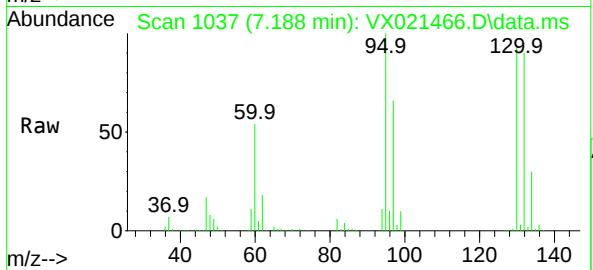
Acq: 25 Mar 2021 04:09

Tgt Ion:130 Resp: 436818

Ion Ratio Lower Upper

130 100

95 106.9 0.0 198.0



#49

1,4-Dioxane

Concen: 28.01 ug/l

RT: 7.723 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VX021466.D

Acq: 25 Mar 2021 04:09

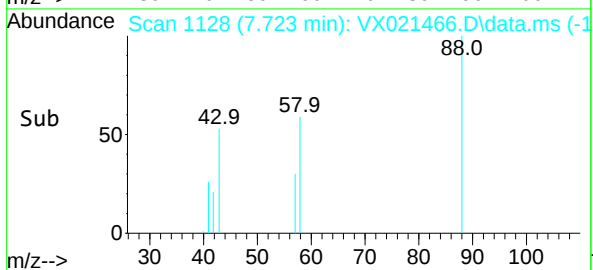
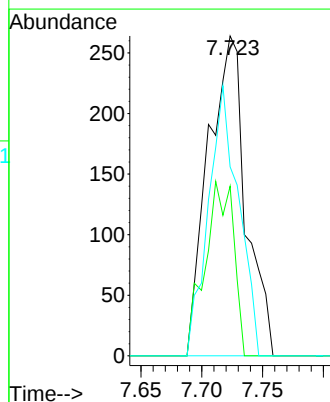
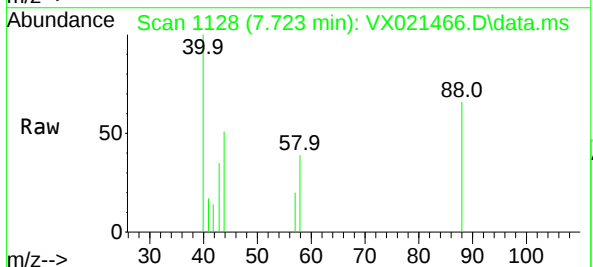
Tgt Ion: 88 Resp: 569

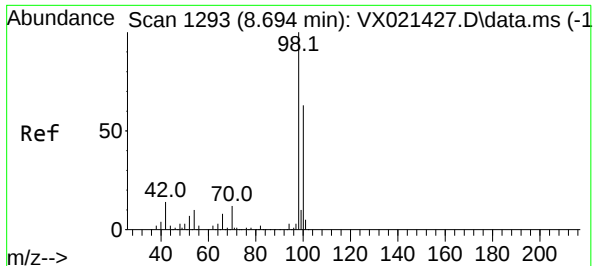
Ion Ratio Lower Upper

88 100

43 41.1 23.2 34.8#

58 67.5 55.0 82.4

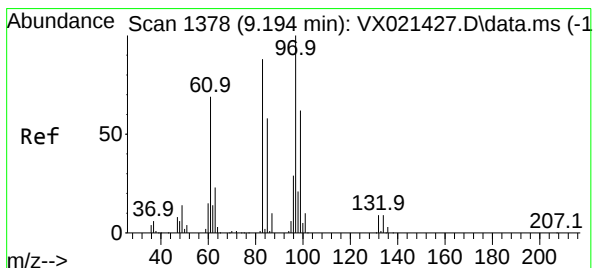
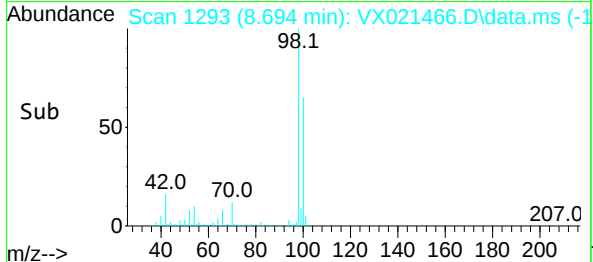
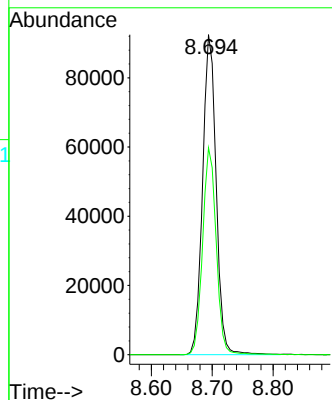
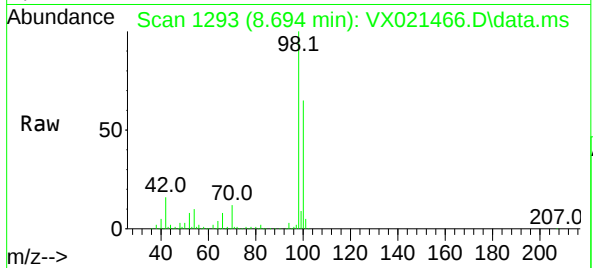




#50
Toluene-d8
Concen: 48.93 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

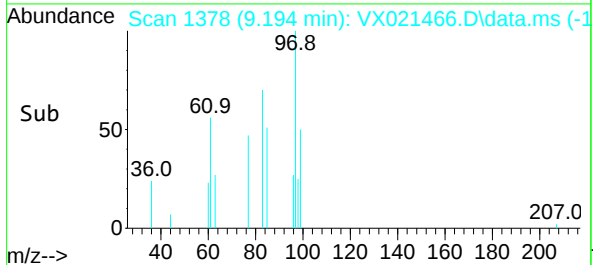
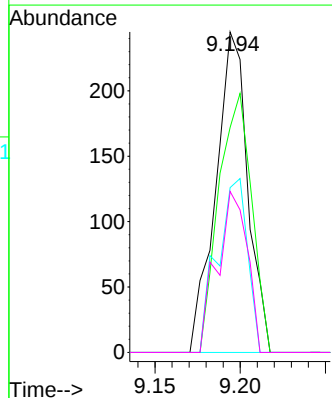
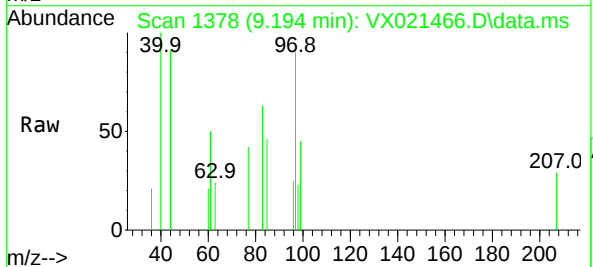
Instrument :
MSVOA_X
ClientSampled :

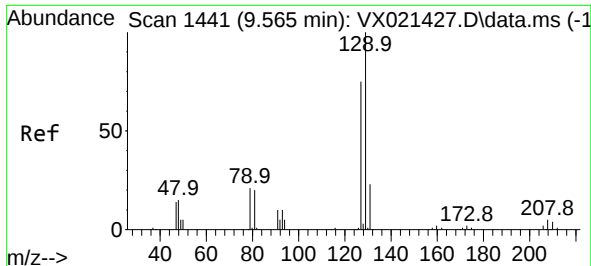
Tgt Ion: 98 Resp: 143234
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.38 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion: 97 Resp: 321
Ion Ratio Lower Upper
97 100
83 70.2 69.3 103.9
85 51.4 44.3 66.5
99 50.2 50.3 75.5#

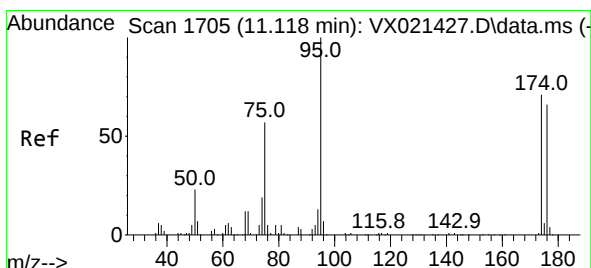
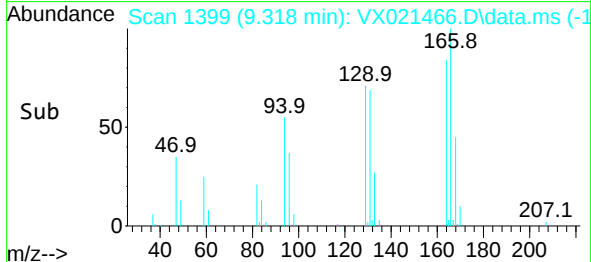
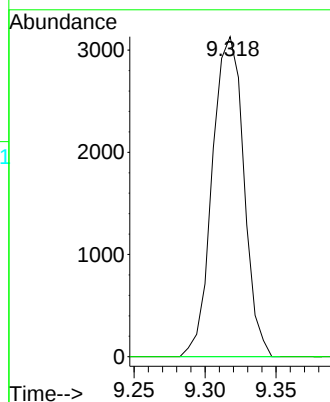
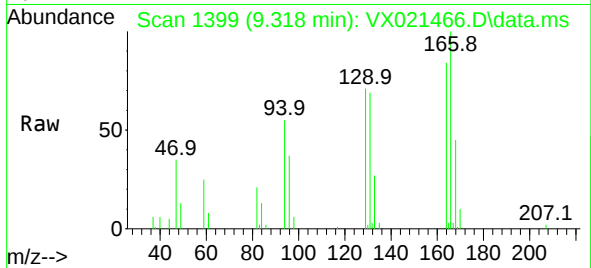




#60
Dibromochloromethane
Concen: 5.15 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

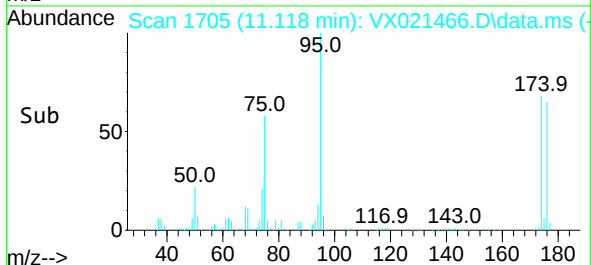
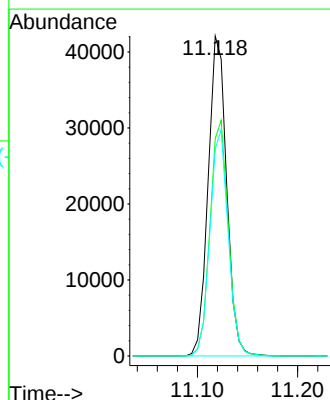
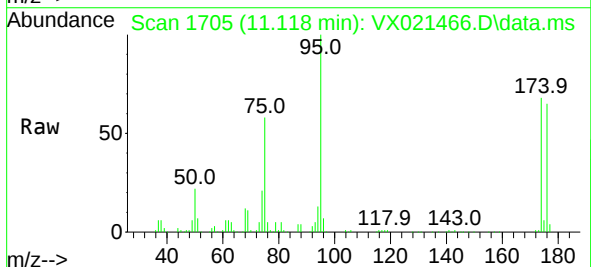
Instrument :
MSVOA_X
ClientSampled :

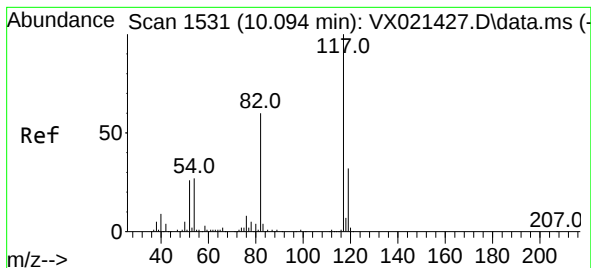
Tgt Ion:129 Resp: 4836
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 47.28 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion: 95 Resp: 53805
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.6
176 69.8 0.0 155.8

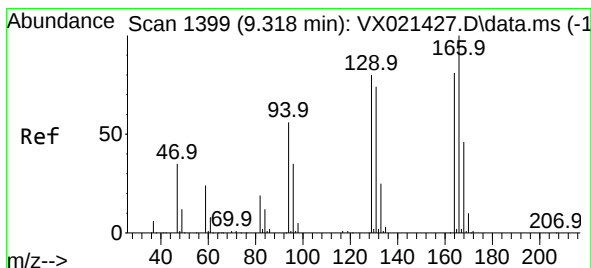
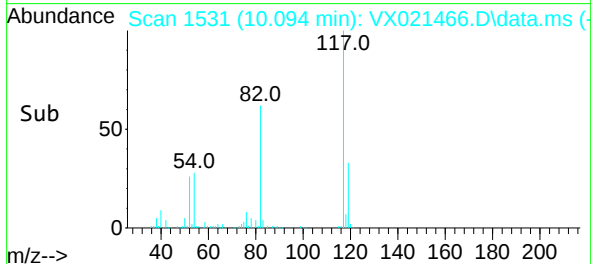
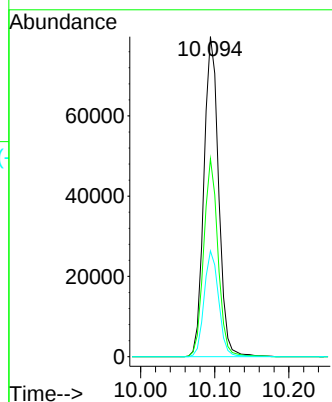
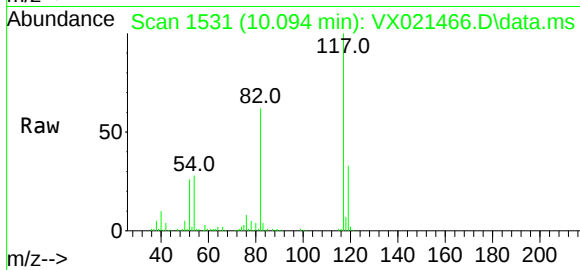




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

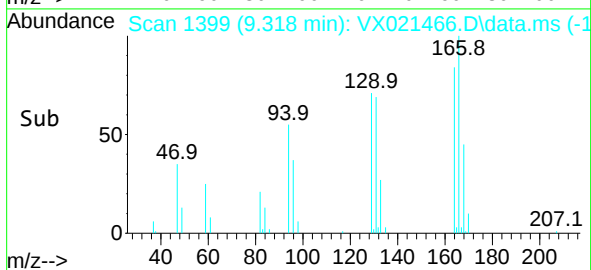
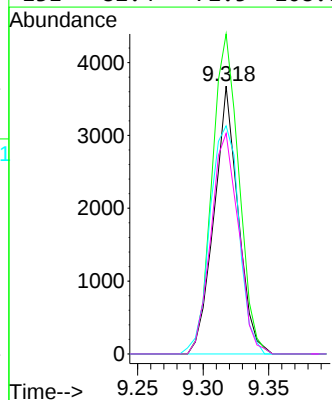
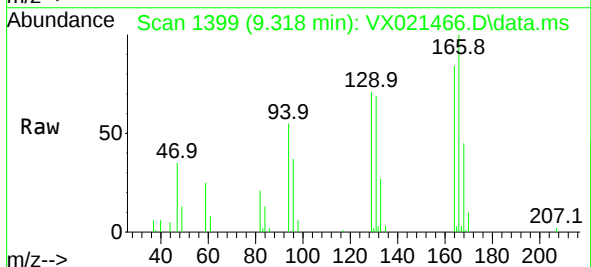
Instrument :
MSVOA_X
ClientSampled :

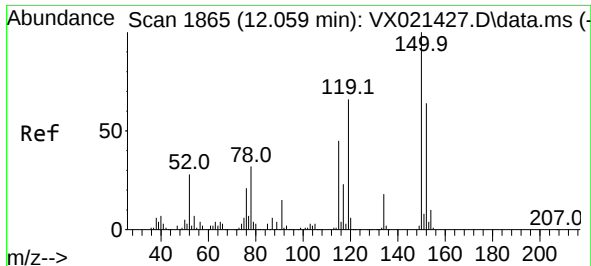
Tgt Ion:117 Resp: 110305
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 33.0 26.6 39.8



#64
Tetrachloroethene
Concen: 6.37 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021466.D
Acq: 25 Mar 2021 04:09

Tgt Ion:164 Resp: 4705
Ion Ratio Lower Upper
164 100
166 119.4 103.4 155.2
129 85.2 70.8 106.2
131 82.4 72.5 108.7

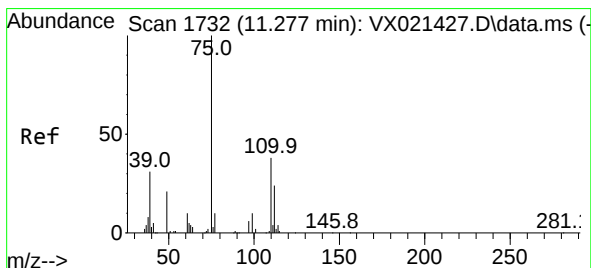
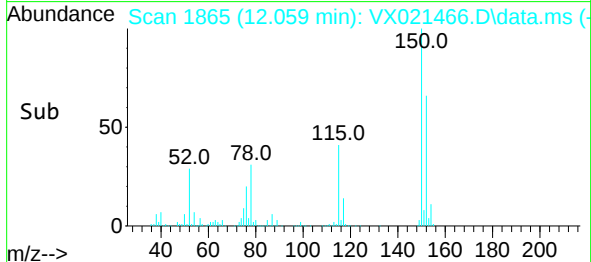
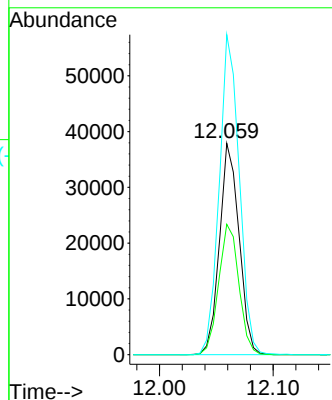
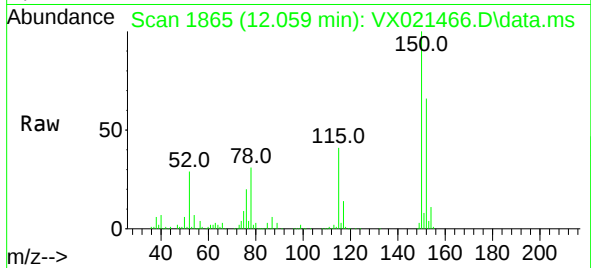




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021466.D
 Acq: 25 Mar 2021 04:09

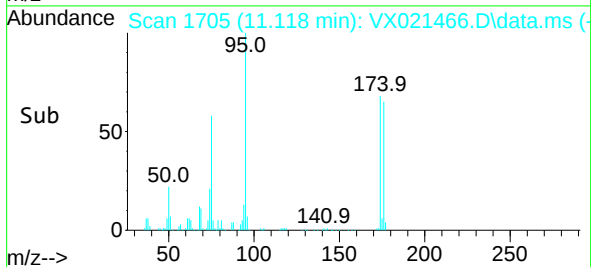
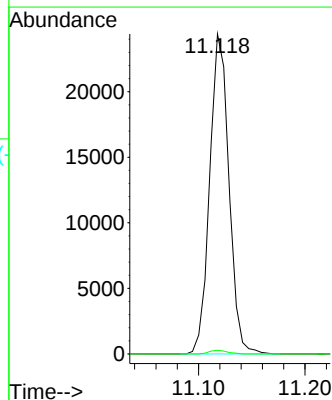
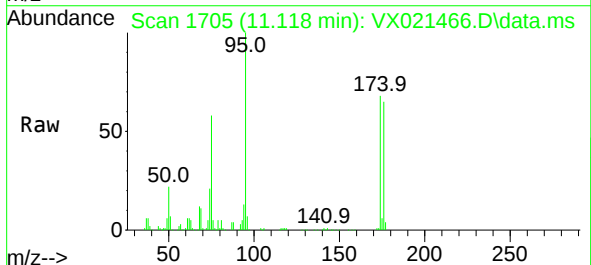
Instrument :
 MSVOA_X
 ClientSampleId :

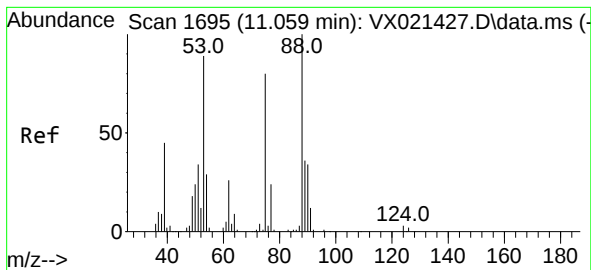
Tgt Ion:152 Resp: 45388
 Ion Ratio Lower Upper
 152 100
 115 63.7 41.1 123.3
 150 155.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.99 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021466.D
 Acq: 25 Mar 2021 04:09

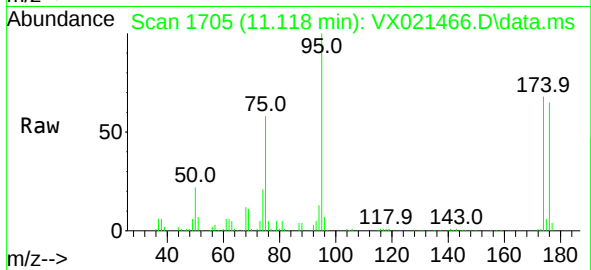
Tgt Ion: 75 Resp: 30633
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.31 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021466.D
 Acq: 25 Mar 2021 04:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30633
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

