

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032121\
 Data File : VX021333.D
 Acq On : 20 Mar 2021 07:50
 Operator : JC/MD
 Sample : M1735-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 22 00:51:42 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)

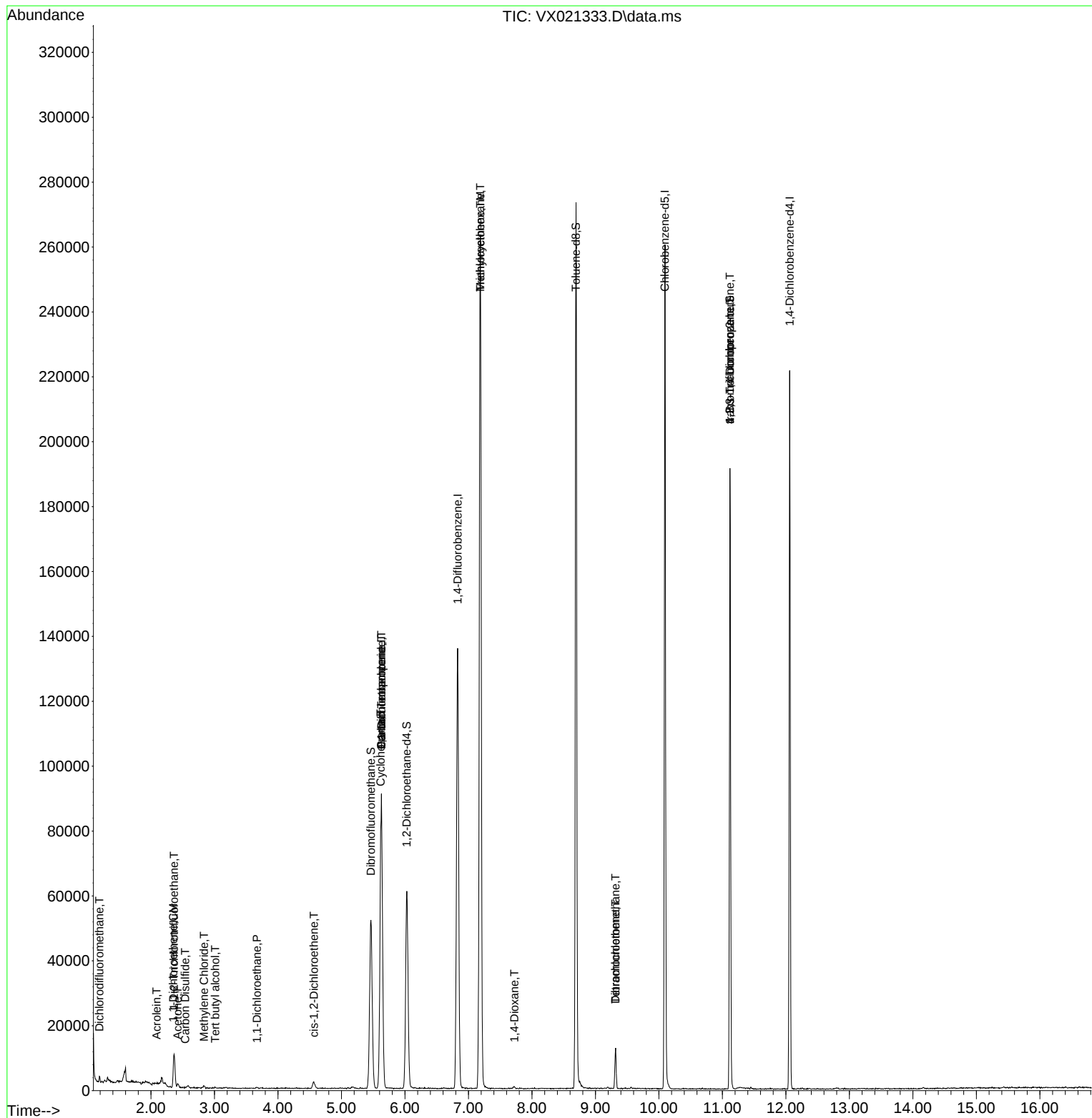
Internal Standards						
1) Pentafluorobenzene	5.629	168	75789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	124603	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	105802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	40001	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	60752	48.87	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.74%
35) Dibromofluoromethane	5.464	113	43077	50.81	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.62%
50) Toluene-d8	8.694	98	151823	49.35	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.70%
62) 4-Bromofluorobenzene	11.118	95	48797	40.84	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.68%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	595	0.66	ug/l	98
3) Chloromethane	1.317	50	1815	Below	Cal	98
9) 1,1,2-Trichlorotrifluo...	2.364	101	3769	4.76	ug/l	96
11) Tert butyl alcohol	3.011	59	65	0.31	ug/l #	73
12) 1,1-Dichloroethene	2.352	96	465	0.60	ug/l	93
13) Acrolein	2.087	56	19	3.27	ug/l #	1
16) Acetone	2.417	43	1073	2.35	ug/l #	75
17) Carbon Disulfide	2.540	76	133	0.59	ug/l #	75
20) Methylene Chloride	2.835	84	321	0.34	ug/l #	68
24) 1,1-Dichloroethane	3.670	63	426	0.26	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	1213	1.22	ug/l	95
31) Cyclohexane	5.617	56	2280	1.52	ug/l #	45
36) 1,1-Dichloropropene	5.629	75	7110	5.66	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8735	6.70	ug/l #	15
39) Methylcyclohexane	7.188	83	1310	0.94	ug/l #	1
44) Trichloroethene	7.188	130	91986	100.09	ug/l	88
49) 1,4-Dioxane	7.723	88	427	8.72	ug/l #	68
60) Dibromochloromethane	9.318	129	2100	2.11	ug/l #	11
64) Tetrachloroethene	9.318	164	2094	2.65	ug/l	91
76) 1,2,3-Trichloropropane	11.118	75	28126	30.31	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	28126	82.29	ug/l #	12

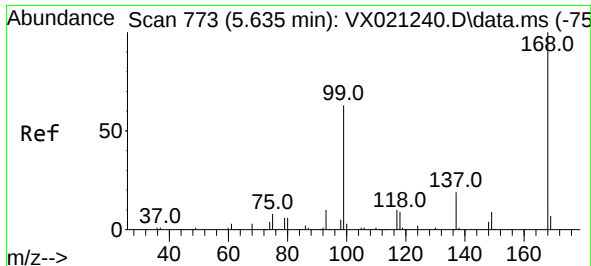
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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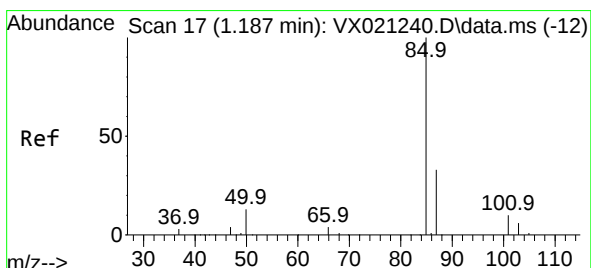
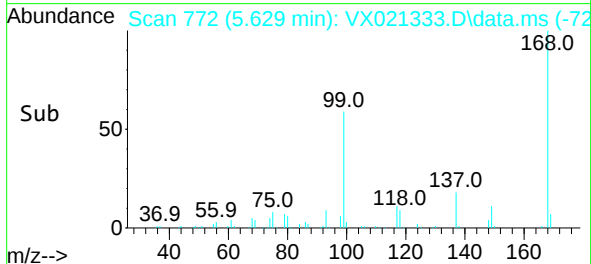
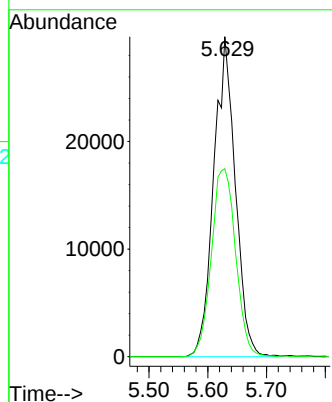
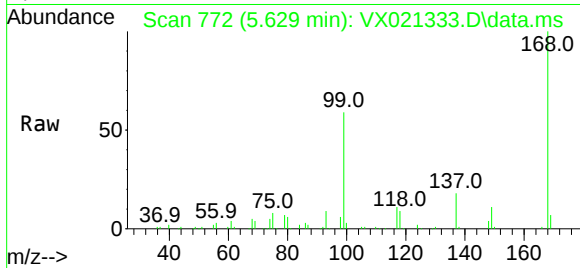




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

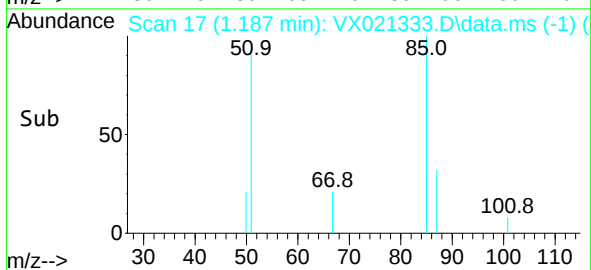
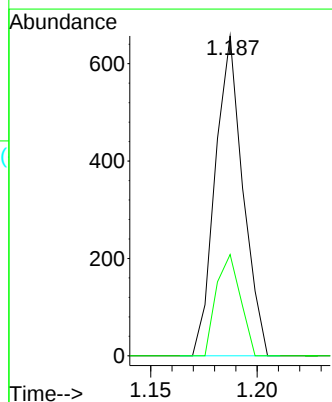
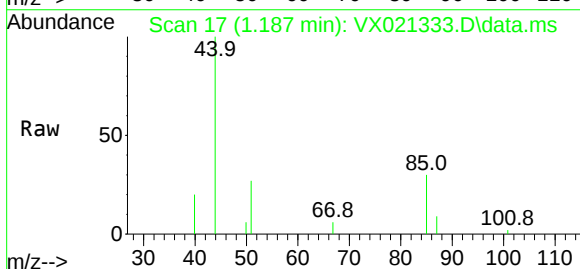
Instrument :
MSVOA_X
ClientSampleId :

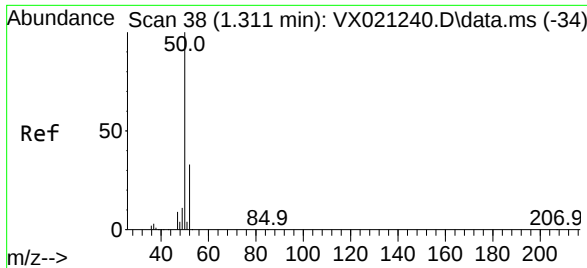
Tgt Ion:168 Resp: 75789
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.66 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

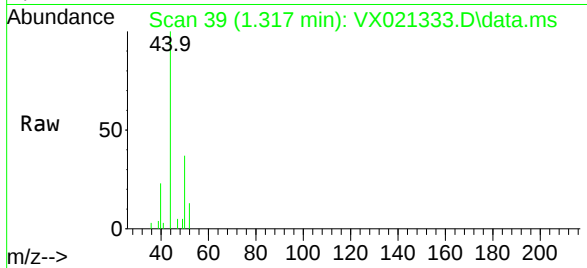
Tgt Ion: 85 Resp: 595
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.2



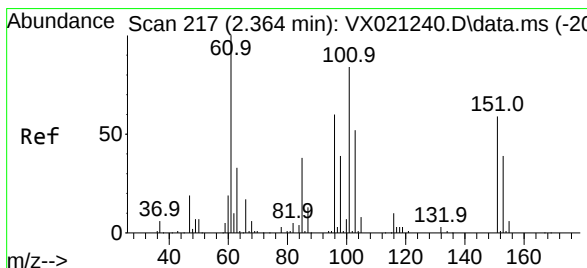
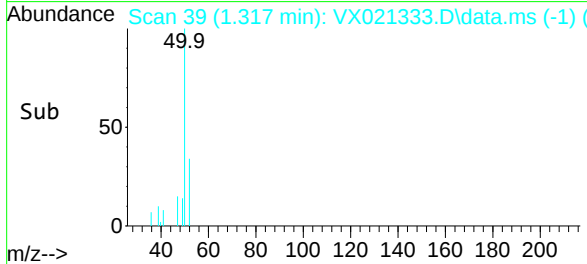
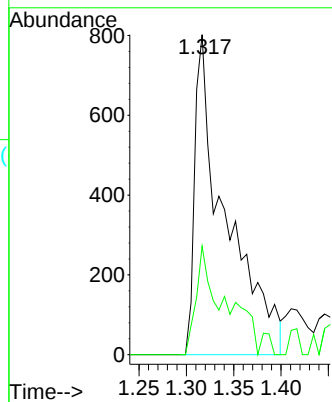


#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Instrument :
MSVOA_X
ClientSampled :

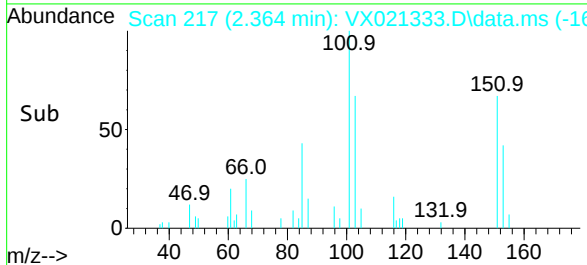
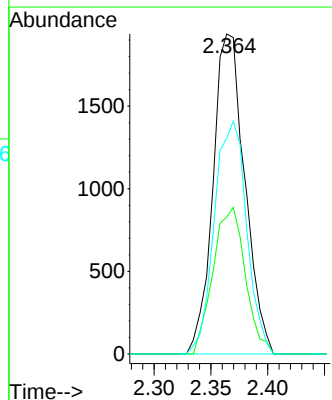
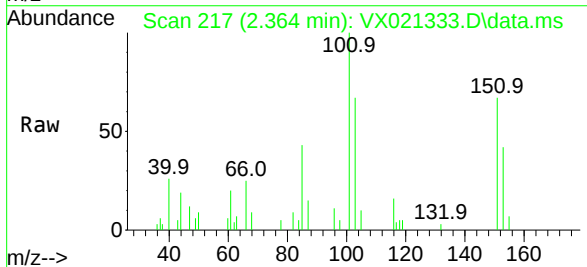


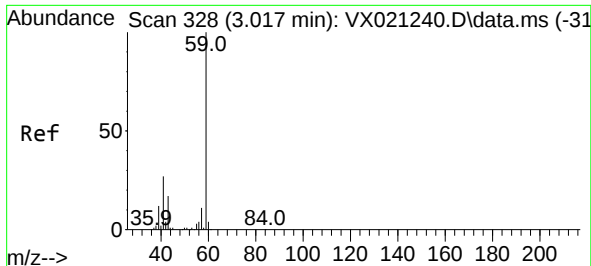
Tgt Ion: 50 Resp: 1815
Ion Ratio Lower Upper
50 100
52 33.9 26.4 39.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.76 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Tgt Ion: 101 Resp: 3769
Ion Ratio Lower Upper
101 100
85 46.4 34.9 52.3
151 73.7 61.4 92.2

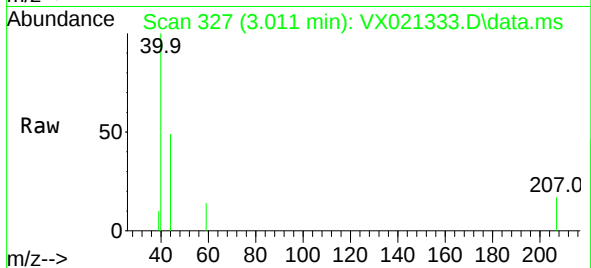




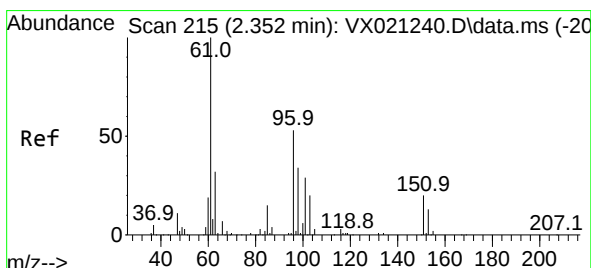
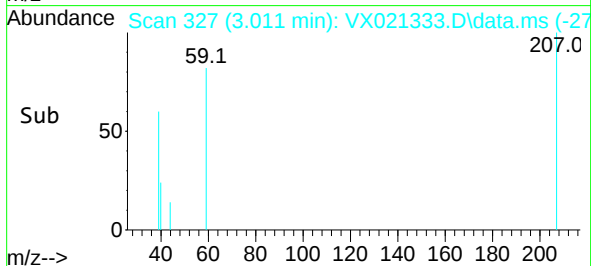
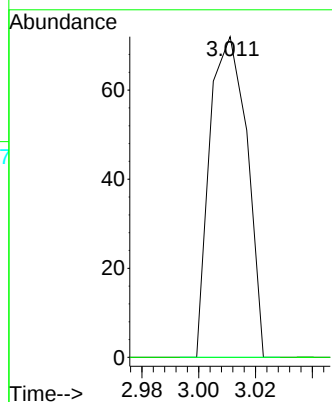
#11

Tert butyl alcohol
Concen: 0.31 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Instrument :
MSVOA_X
ClientSampled :



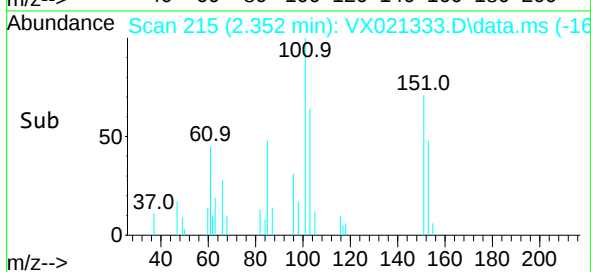
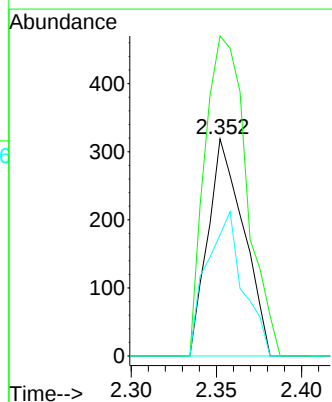
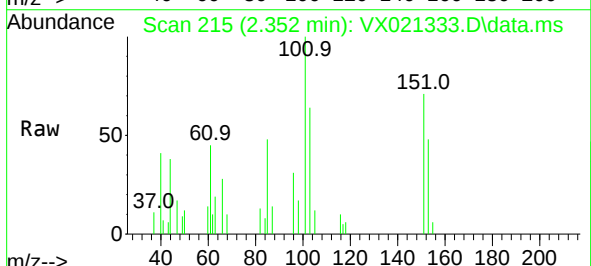
Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

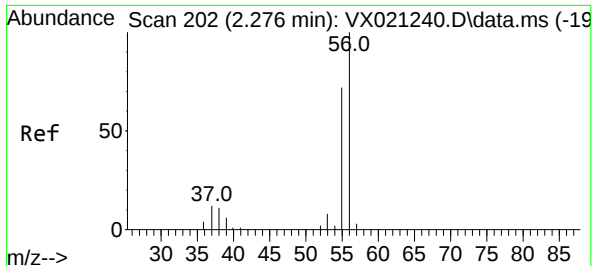


#12

1,1-Dichloroethene
Concen: 0.60 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Tgt Ion: 96 Resp: 465
Ion Ratio Lower Upper
96 100
61 147.3 124.6 187.0
98 55.8 50.6 76.0

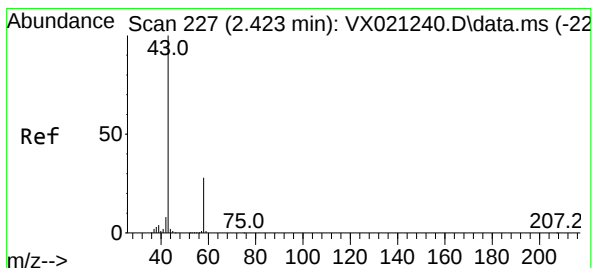
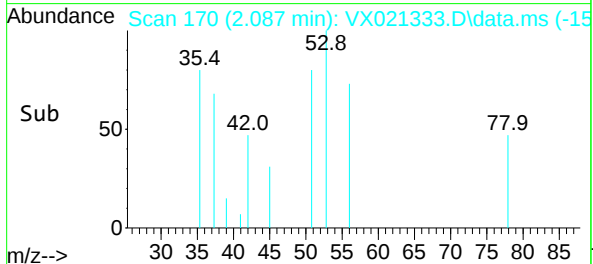
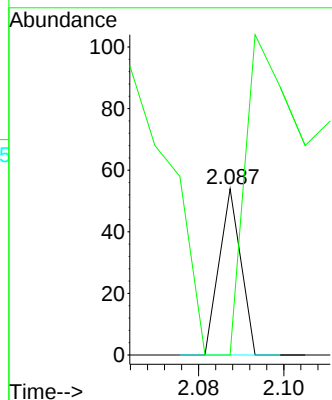
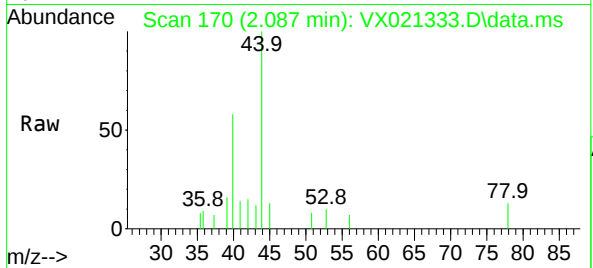




#13
Acrolein
Concen: 3.27 ug/l
RT: 2.087 min Scan# 170
Delta R.T. -0.189 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

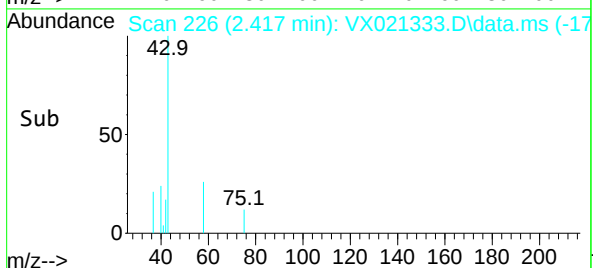
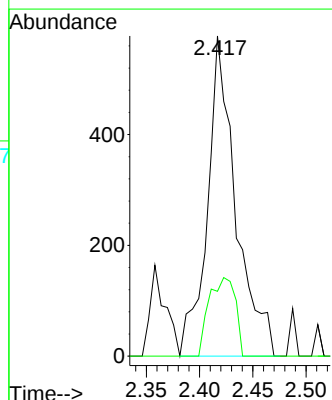
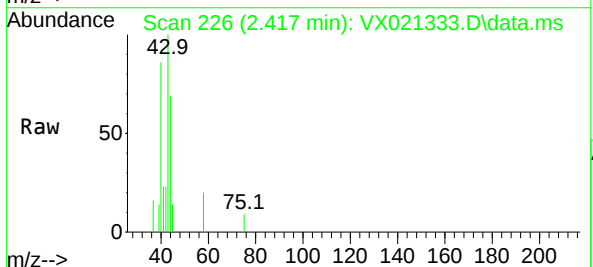
Instrument :
MSVOA_X
ClientSampleId :

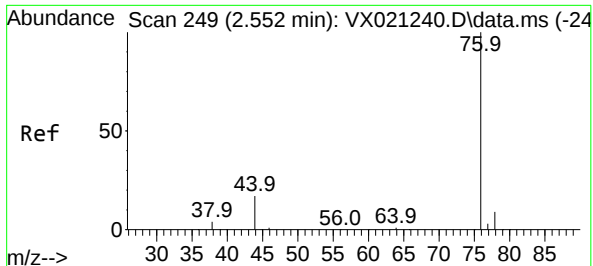
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 1173.7 56.4 84.6#



#16
Acetone
Concen: 2.35 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

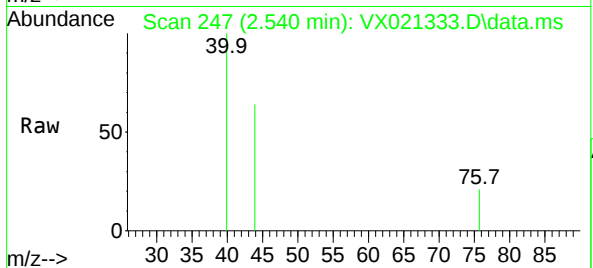
Tgt Ion: 43 Resp: 1073
Ion Ratio Lower Upper
43 100
58 20.2 27.8 41.8#



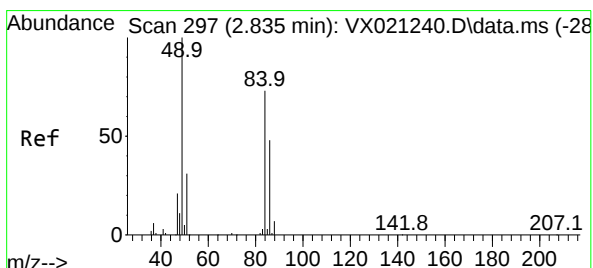
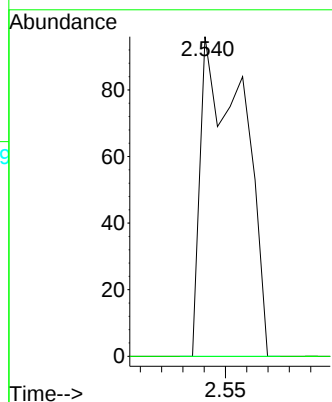
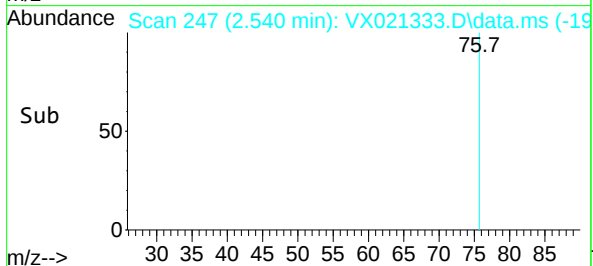


#17
Carbon Disulfide
Concen: 0.59 ug/l
RT: 2.540 min Scan# 247
Delta R.T. -0.012 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

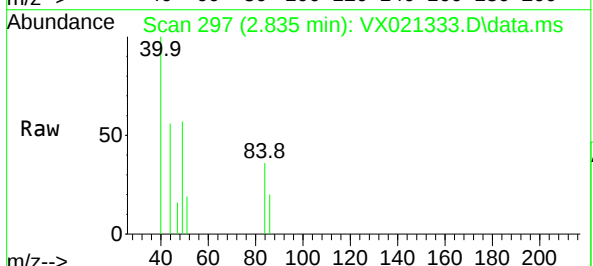
Instrument :
MSVOA_X
ClientSampled :



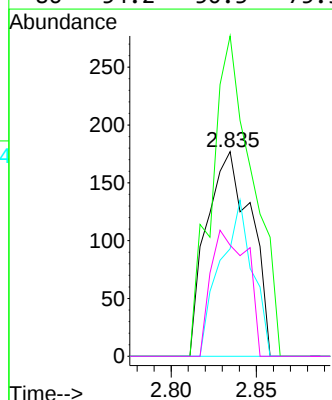
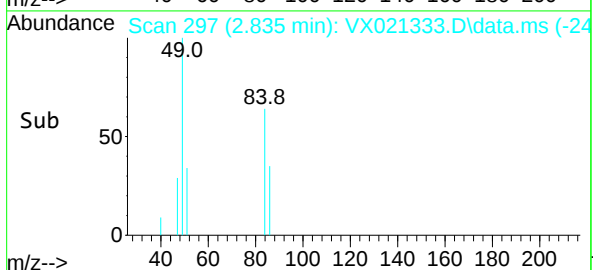
Tgt Ion: 76 Resp: 133
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

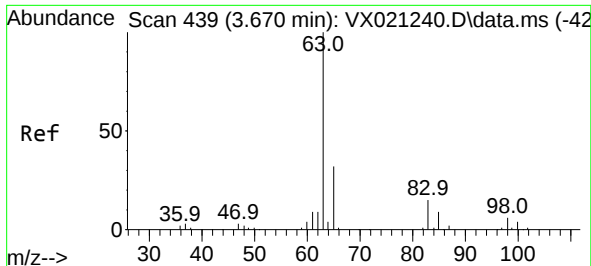


#20
Methylene Chloride
Concen: 0.34 ug/l
RT: 2.835 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50



Tgt Ion: 84 Resp: 321
Ion Ratio Lower Upper
84 100
49 156.5 88.6 132.8#
51 52.5 27.0 40.6#
86 54.2 50.3 75.5

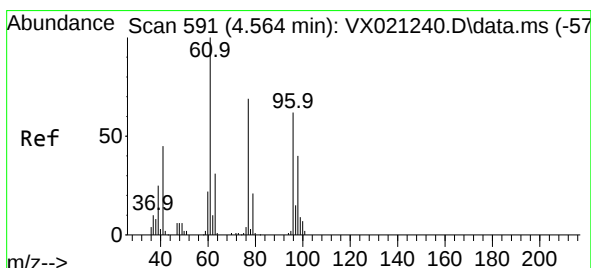
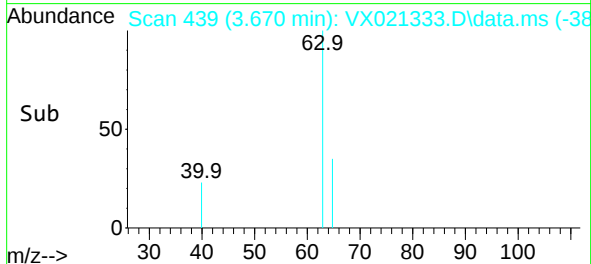
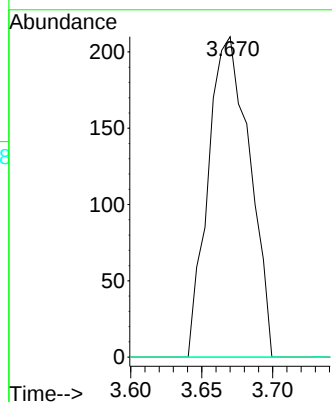
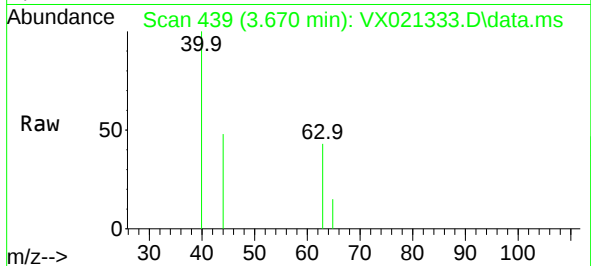




#24
1,1-Dichloroethane
Concen: 0.26 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

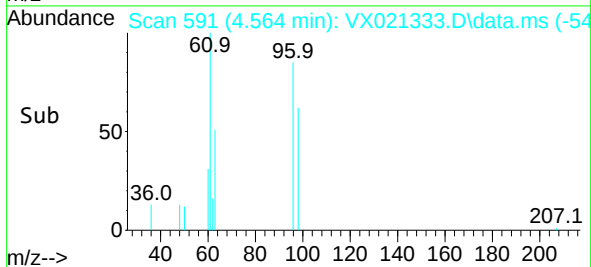
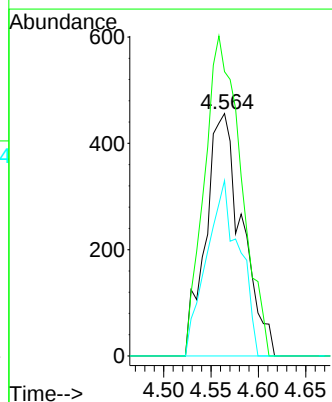
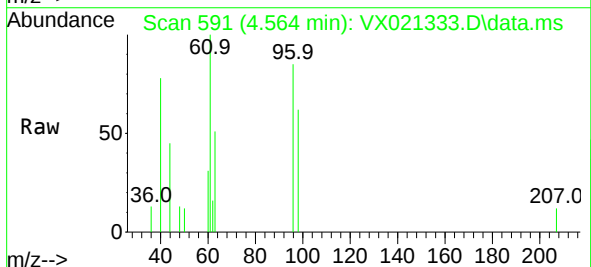
Instrument :
MSVOA_X
ClientSampled :

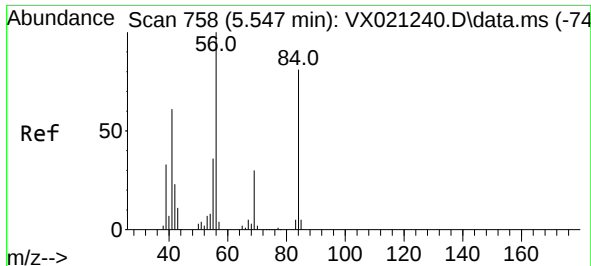
Tgt Ion: 63 Resp: 426
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.22 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

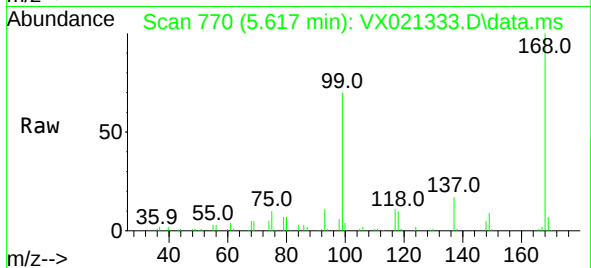
Tgt Ion: 96 Resp: 1213
Ion Ratio Lower Upper
96 100
61 134.0 0.0 285.6
98 65.7 0.0 129.6



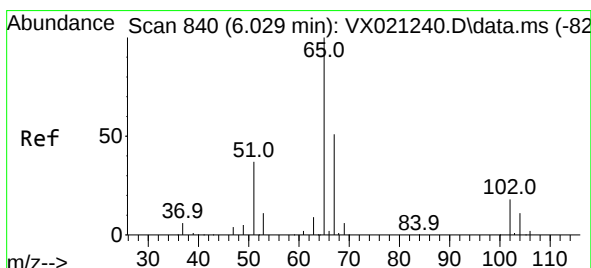
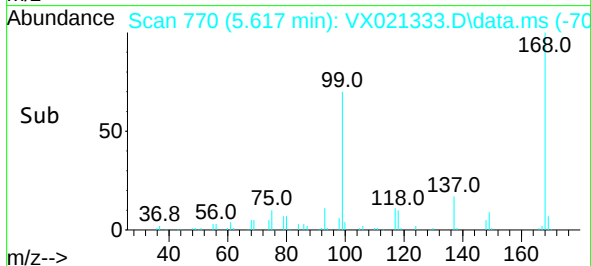
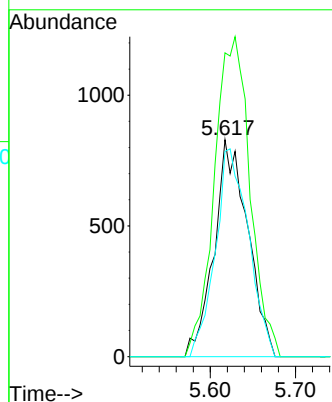


#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Instrument :
MSVOA_X
ClientSampled :

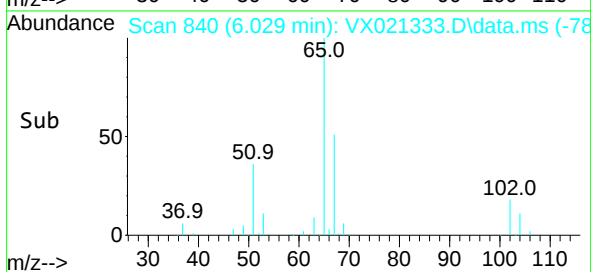
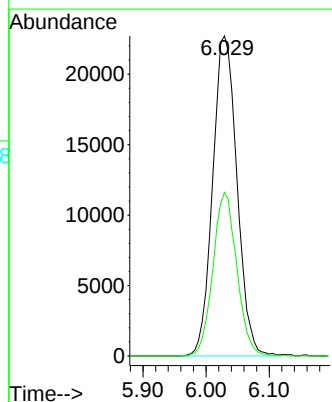
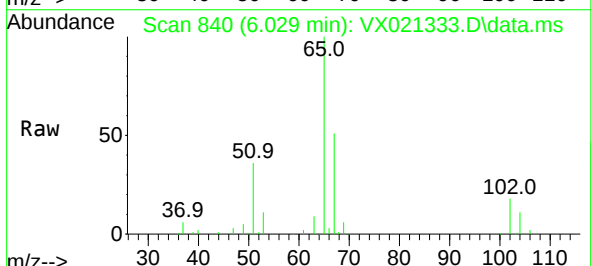


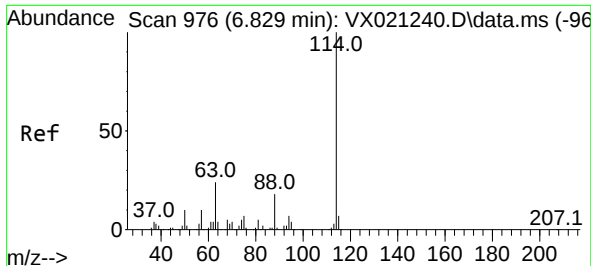
Tgt Ion: 56 Resp: 2280
Ion Ratio Lower Upper
56 100
69 140.0 25.3 37.9#
84 94.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 48.87 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

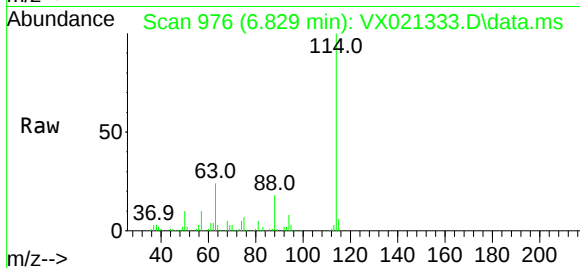
Tgt Ion: 65 Resp: 60752
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4



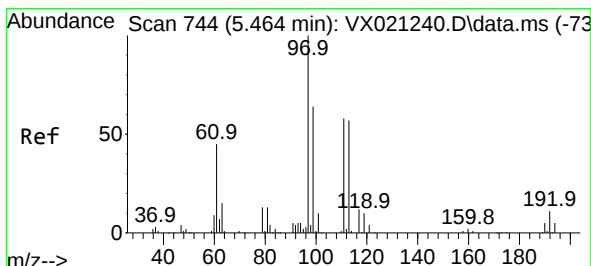
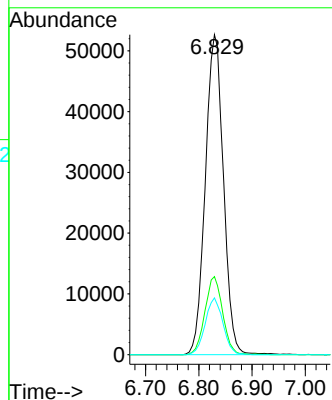
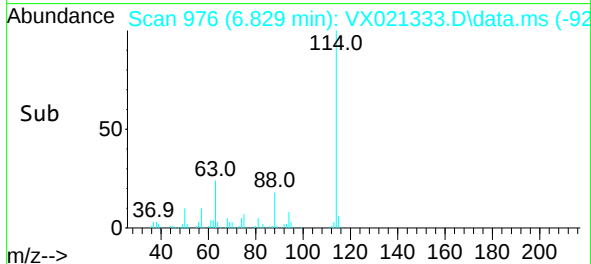


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

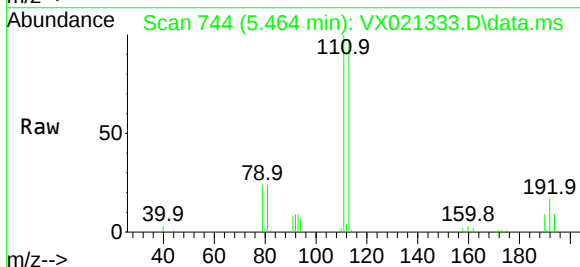
Instrument :
MSVOA_X
ClientSampled :



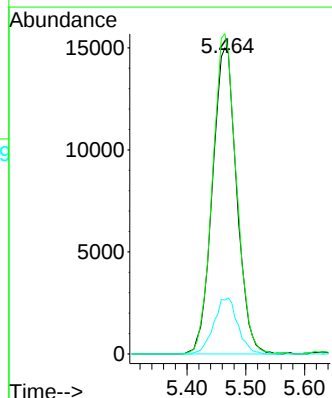
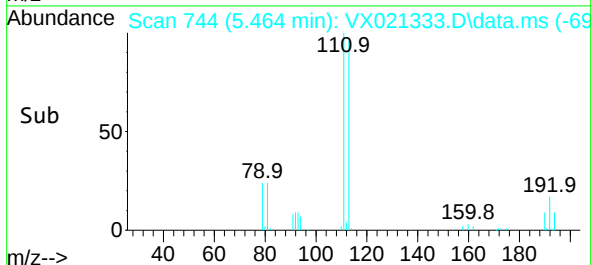
Tgt Ion:114 Resp: 124603
Ion Ratio Lower Upper
114 100
63 24.4 0.0 40.8
88 17.8 0.0 32.8

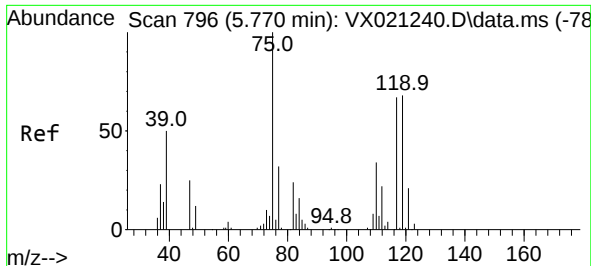


#35
Dibromofluoromethane
Concen: 50.81 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50



Tgt Ion:113 Resp: 43077
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 18.0 16.7 25.1

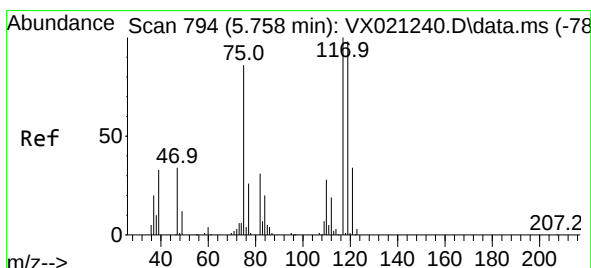
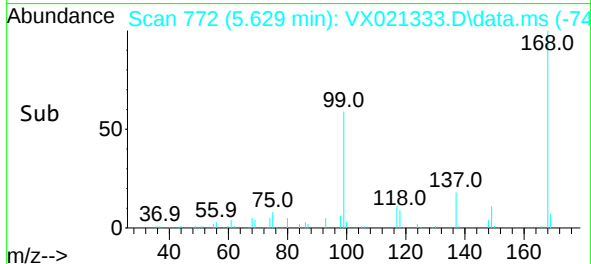
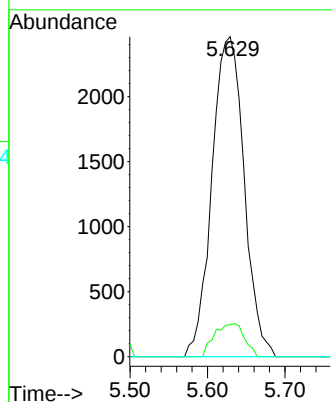
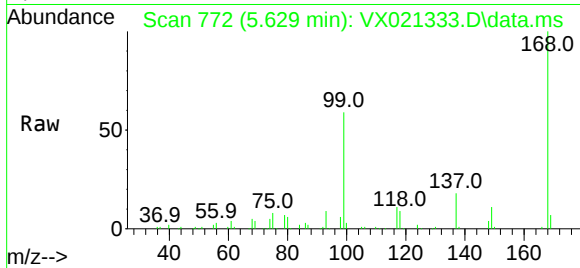




#36
1,1-Dichloropropene
Concen: 5.66 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

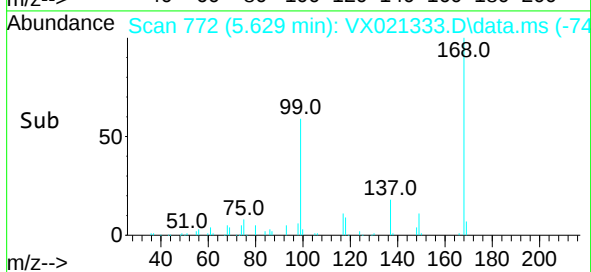
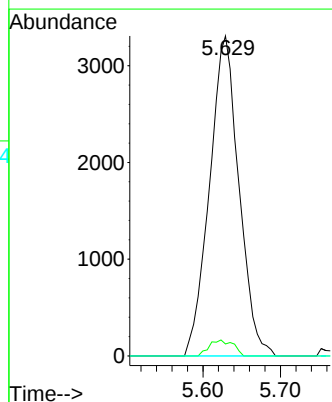
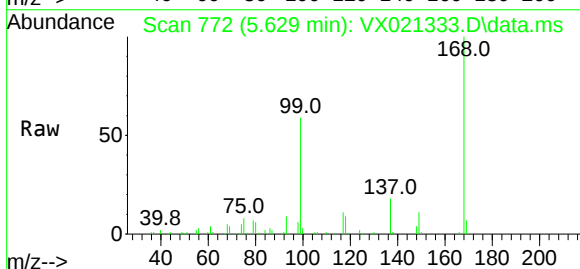
Instrument :
MSVOA_X
ClientSampled :

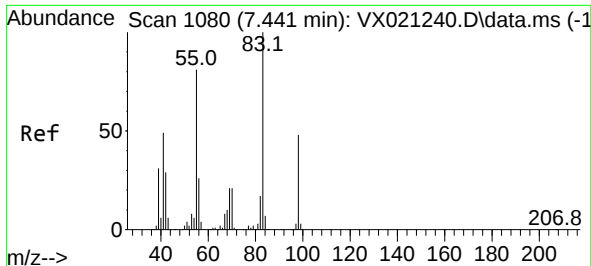
Tgt Ion: 75 Resp: 7110
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.70 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Tgt Ion: 117 Resp: 8735
Ion Ratio Lower Upper
117 100
119 3.7 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.94 ug/l

RT: 7.188 min Scan# 1037

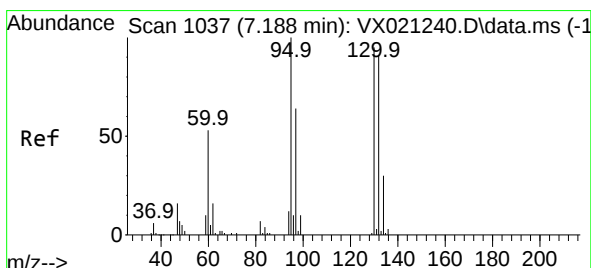
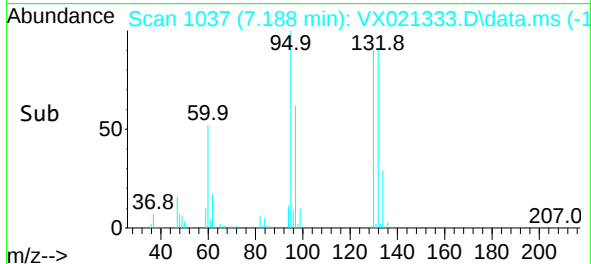
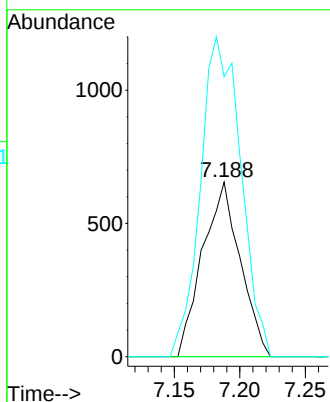
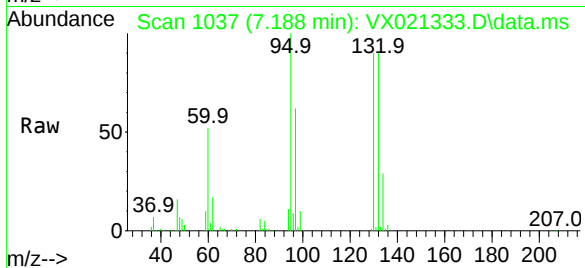
Delta R.T. -0.253 min

Lab File: VX021333.D

Acq: 20 Mar 2021 07:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 83	Resp:	1310
Ion Ratio	Lower	Upper
83	100	
55	0.0	58.9
98	160.5	38.1



#44

Trichloroethene

Concen: 100.09 ug/l

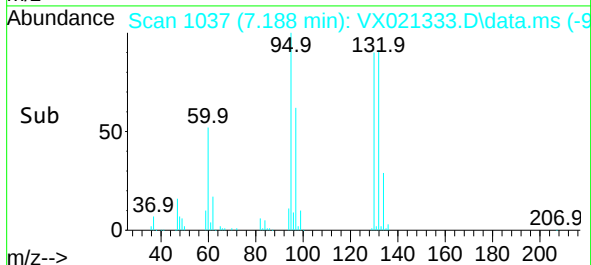
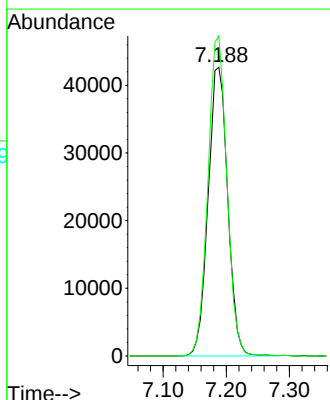
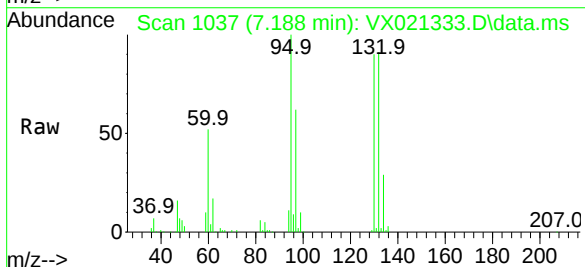
RT: 7.188 min Scan# 1037

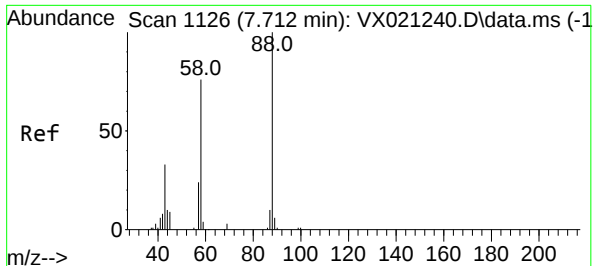
Delta R.T. 0.000 min

Lab File: VX021333.D

Acq: 20 Mar 2021 07:50

Tgt Ion: 130	Resp:	91986
Ion Ratio	Lower	Upper
130	100	
95	110.8	0.0





#49

1,4-Dioxane

Concen: 8.72 ug/l

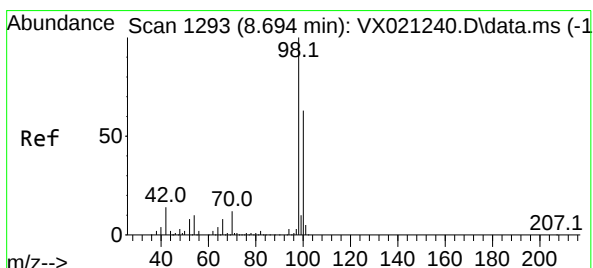
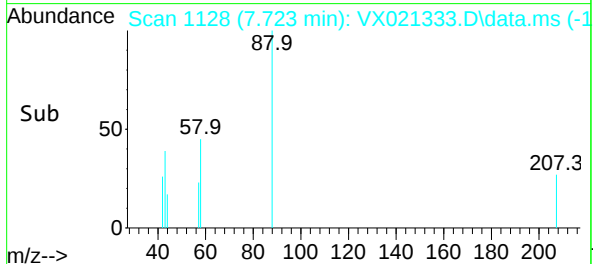
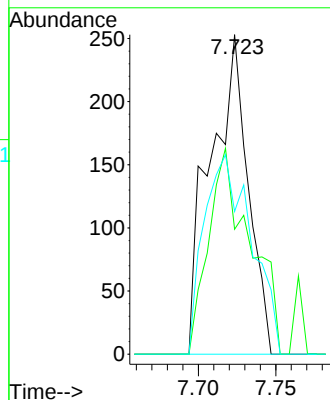
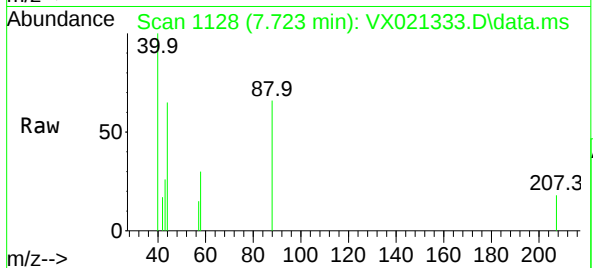
RT: 7.723 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VX021333.D

Acq: 20 Mar 2021 07:50

Tgt Ion: 88	Resp: 427
Ion Ratio	Lower Upper
88 100	
43 71.4	23.2 34.8#
58 78.2	55.0 82.4



#50

Toluene-d8

Concen: 49.35 ug/l

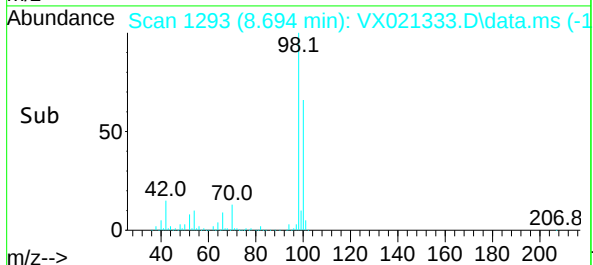
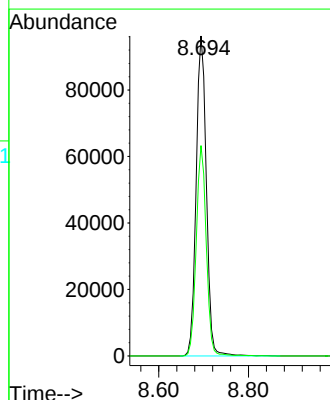
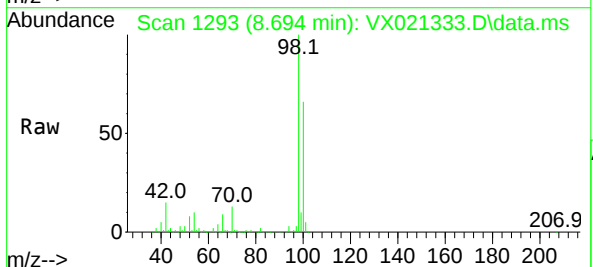
RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

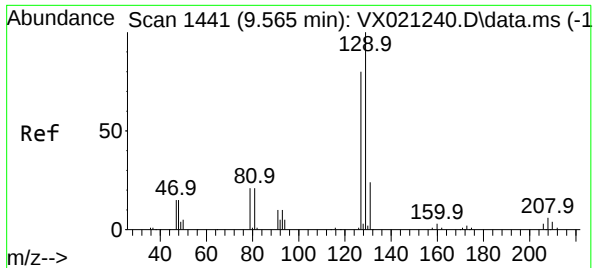
Lab File: VX021333.D

Acq: 20 Mar 2021 07:50

Tgt Ion: 98	Resp: 151823
Ion Ratio	Lower Upper
98 100	
100 64.2	51.9 77.9



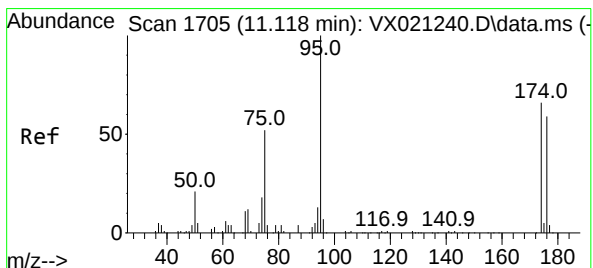
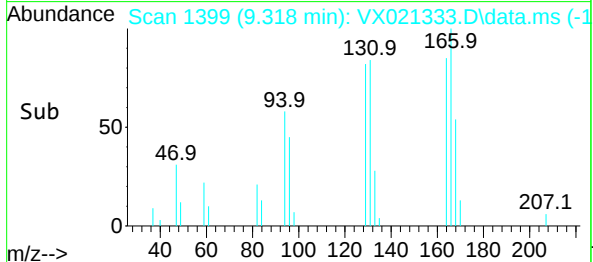
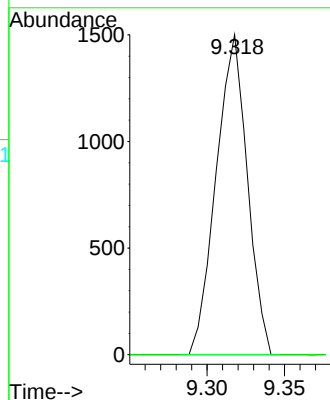
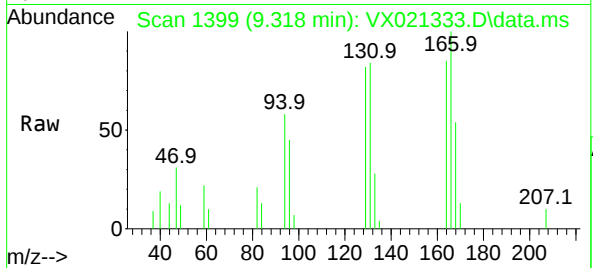
Instrument :
MSVOA_X
ClientSampled :



#60
Dibromochloromethane
Concen: 2.11 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

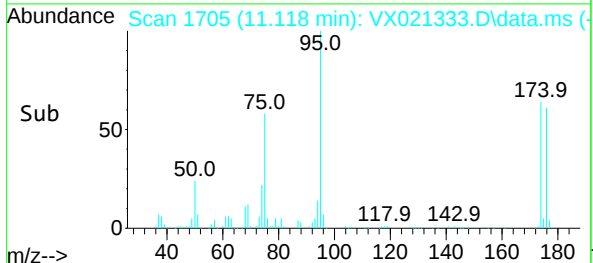
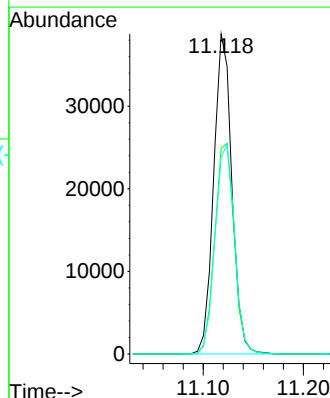
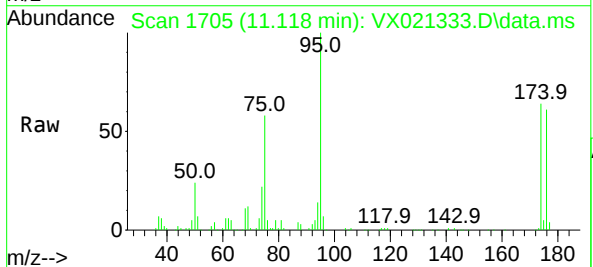
Instrument :
MSVOA_X
ClientSampled :

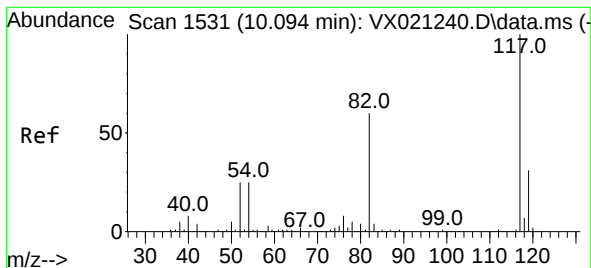
Tgt Ion:129 Resp: 2100
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 40.84 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Tgt Ion: 95 Resp: 48797
Ion Ratio Lower Upper
95 100
174 70.3 0.0 154.6
176 70.1 0.0 155.8

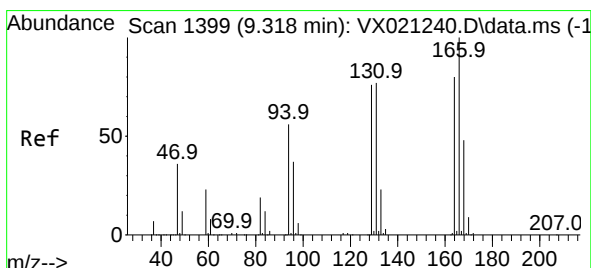
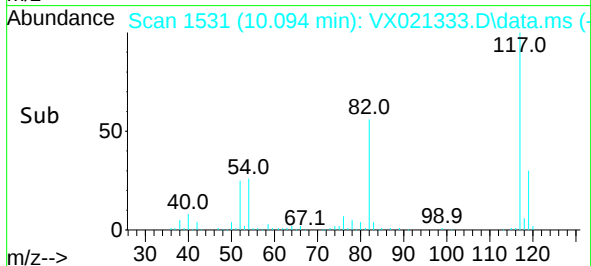
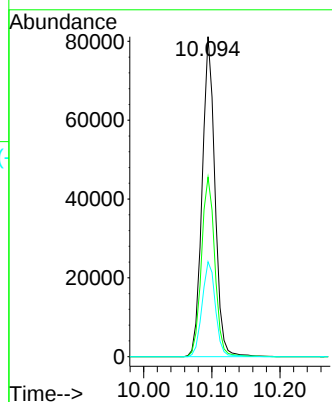
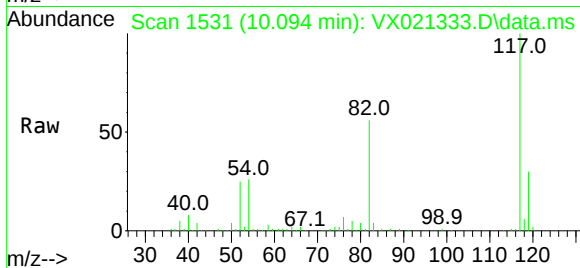




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

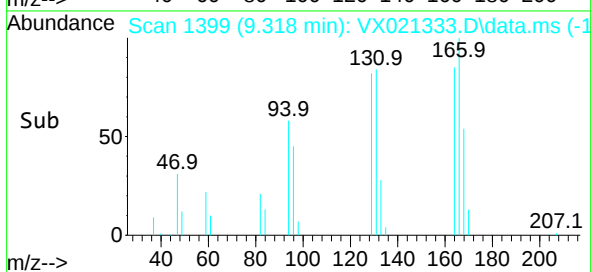
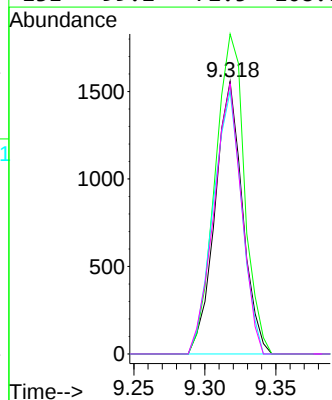
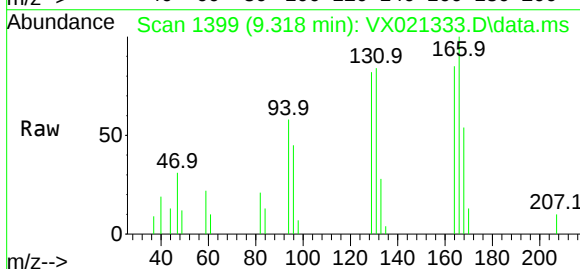
Instrument :
MSVOA_X
ClientSampled :

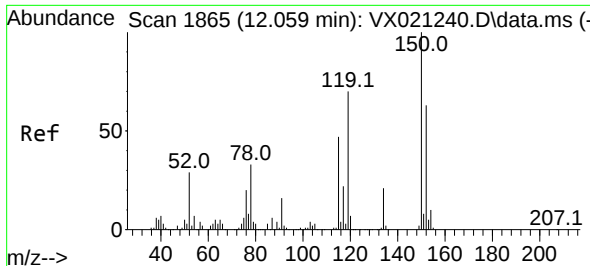
Tgt Ion:117 Resp: 105802
Ion Ratio Lower Upper
117 100
82 56.1 47.4 71.2
119 29.6 26.6 39.8



#64
Tetrachloroethene
Concen: 2.65 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

Tgt Ion:164 Resp: 2094
Ion Ratio Lower Upper
164 100
166 117.5 103.4 155.2
129 96.4 70.8 106.2
131 99.2 72.5 108.7

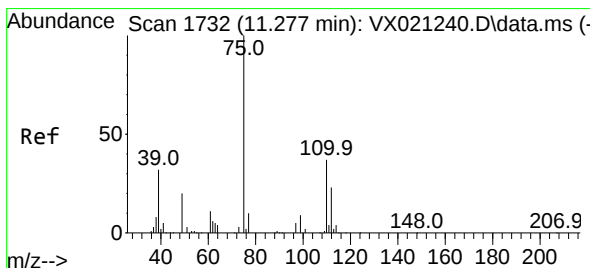
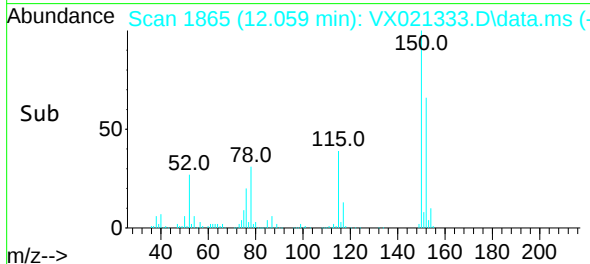
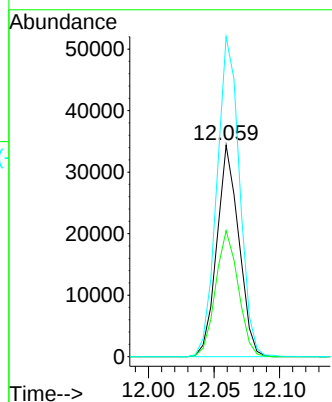
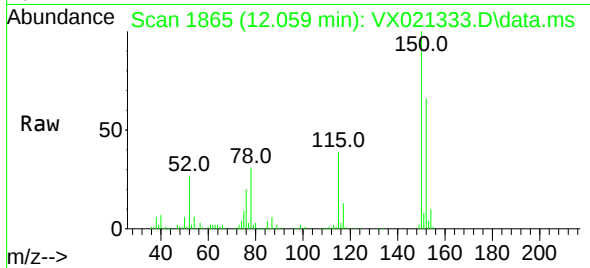




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

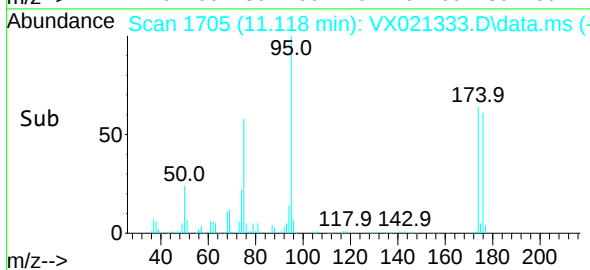
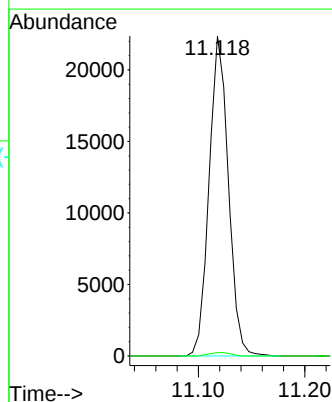
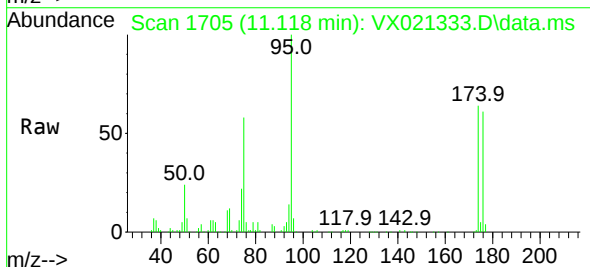
Instrument :
MSVOA_X
ClientSampled :

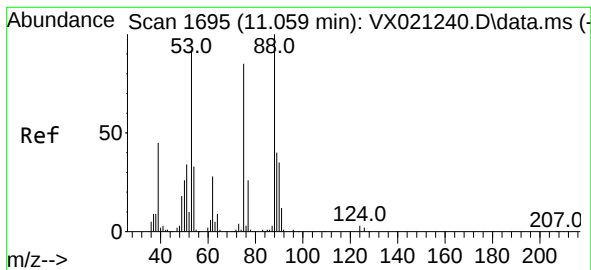
Tgt Ion:152 Resp: 40001
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 156.0 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 30.31 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021333.D
Acq: 20 Mar 2021 07:50

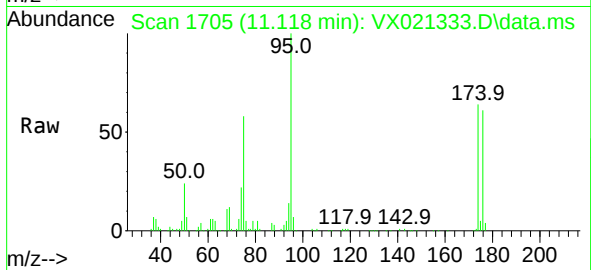
Tgt Ion: 75 Resp: 28126
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.29 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021333.D
 Acq: 20 Mar 2021 07:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 28126
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

