

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021604.D
 Acq On : 30 Mar 2021 02:37
 Operator : JC/MD
 Sample : M1843-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 05:23:31 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)

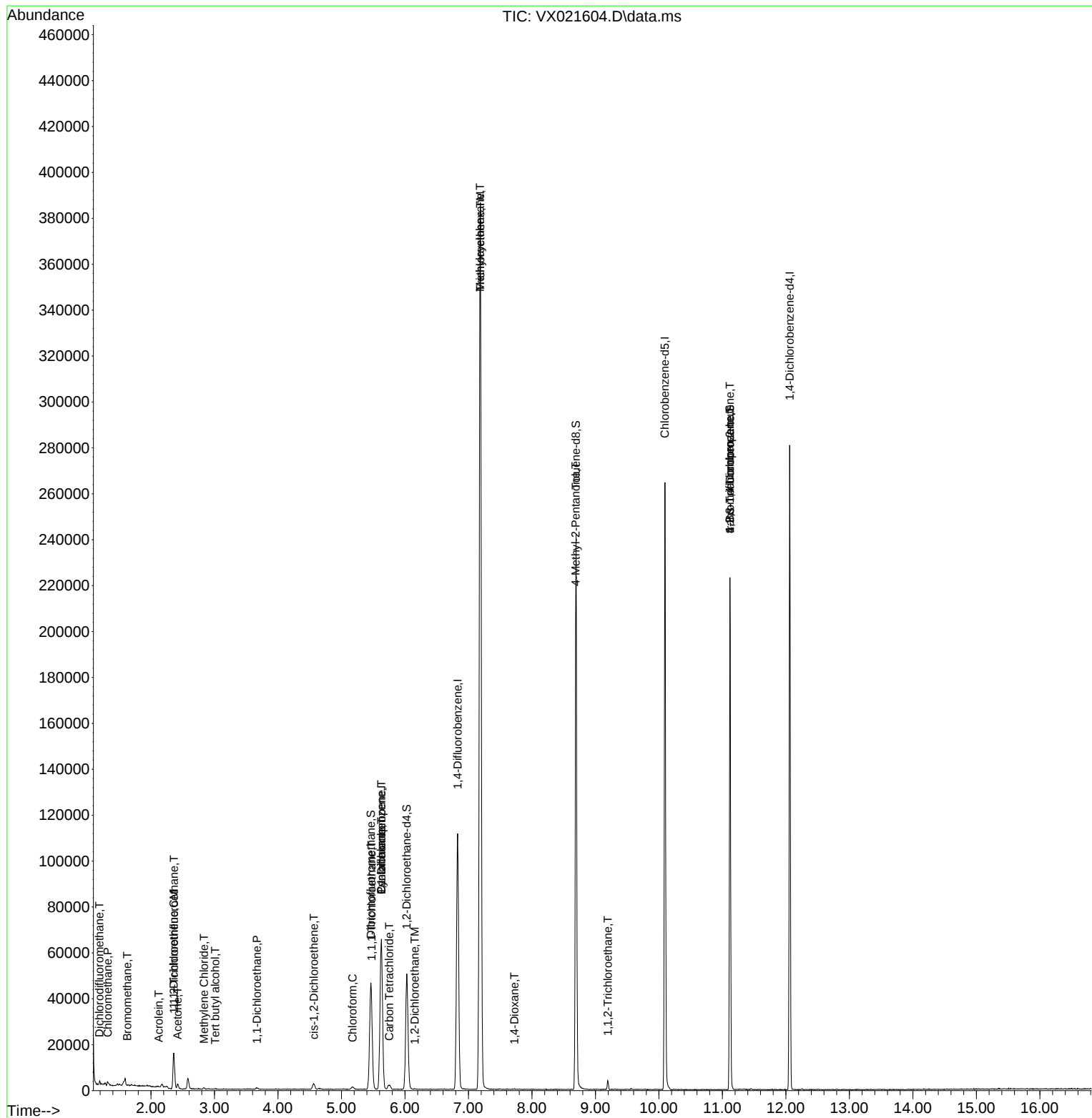
Internal Standards						
1) Pentafluorobenzene	5.629	168	56020	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	103665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51147	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49320	52.91	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.82%
35) Dibromofluoromethane	5.464	113	37899	51.47	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.94%
50) Toluene-d8	8.694	98	134199	51.14	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.28%
62) 4-Bromofluorobenzene	11.118	95	55634	54.53	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	109.06%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.187	85	126	0.20	ug/l	93
3) Chloromethane	1.317	50	1537	2.21	ug/l	96
5) Bromomethane	1.628	94	81	0.32	ug/l #	53
9) 1,1,2-Trichlorotrifluo...	2.364	101	3373	5.85	ug/l	95
11) Tert butyl alcohol	3.011	59	66	0.43	ug/l #	73
12) 1,1-Dichloroethene	2.358	96	2435	4.31	ug/l	96
13) Acrolein	2.123	56	77	5.27	ug/l #	14
16) Acetone	2.417	43	2249	6.38	ug/l	89
20) Methylene Chloride	2.834	84	223	0.32	ug/l #	64
24) 1,1-Dichloroethane	3.670	63	869	0.72	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	1519	2.11	ug/l	98
30) Chloroform	5.176	83	1299	1.03	ug/l	97
31) Cyclohexane	5.629	56	1632	1.59	ug/l #	34
32) 1,1,1-Trichloroethane	5.476	97	412	0.37	ug/l #	49
36) 1,1-Dichloropropene	5.629	75	5207	5.13	ug/l #	49
38) Carbon Tetrachloride	5.752	117	1637	1.50	ug/l	84
39) Methylcyclohexane	7.182	83	1987	1.76	ug/l #	1
42) 1,2-Dichloroethane	6.153	62	398	0.32	ug/l #	73
44) Trichloroethene	7.188	130	136679	179.57	ug/l	96
49) 1,4-Dioxane	7.723	88	87	4.78	ug/l #	21
51) 4-Methyl-2-Pentanone	8.688	43	777	0.66	ug/l #	1
55) 1,1,2-Trichloroethane	9.194	97	841	1.12	ug/l #	89
76) 1,2,3-Trichloropropane	11.118	75	31714	26.63	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	31714	81.13	ug/l #	12

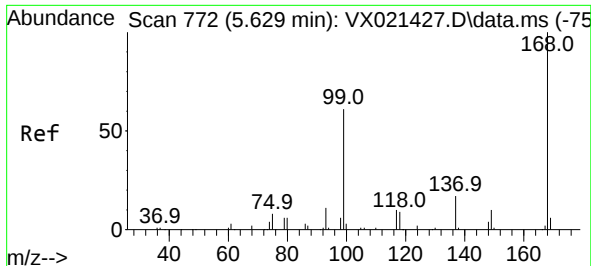
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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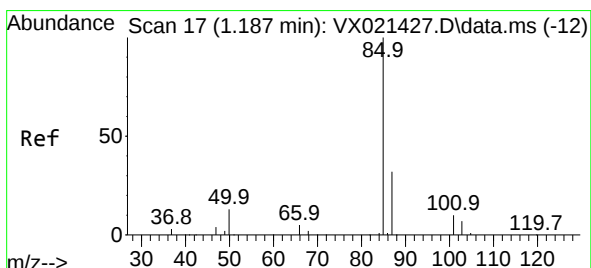
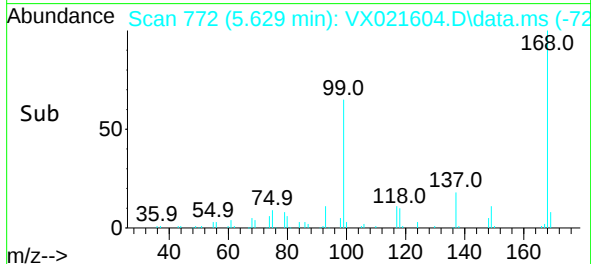
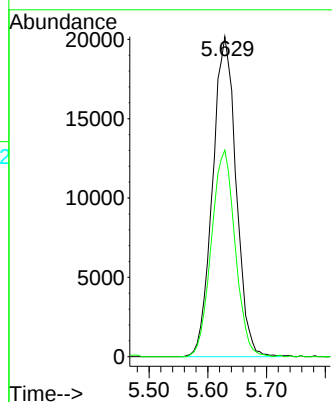
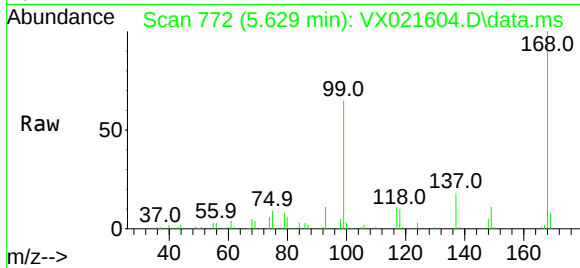




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

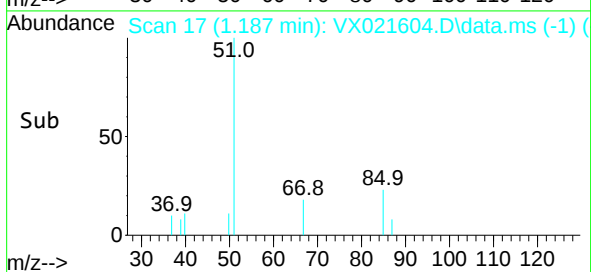
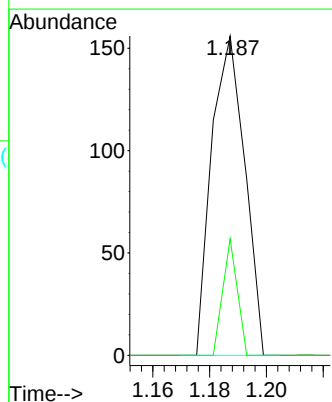
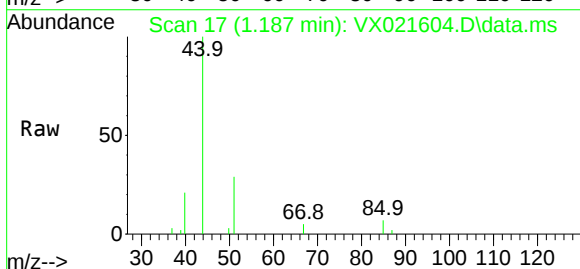
Instrument :
MSVOA_X
ClientSampled :

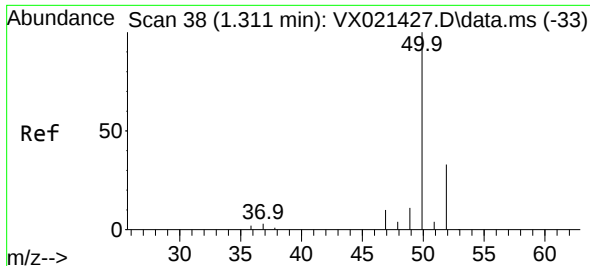
Tgt Ion:168 Resp: 56020
Ion Ratio Lower Upper
168 100
99 64.6 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.20 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 85 Resp: 126
Ion Ratio Lower Upper
85 100
87 36.5 16.4 49.2

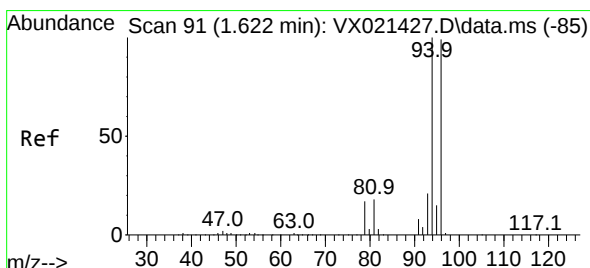
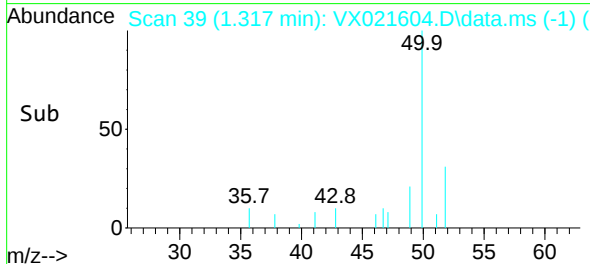
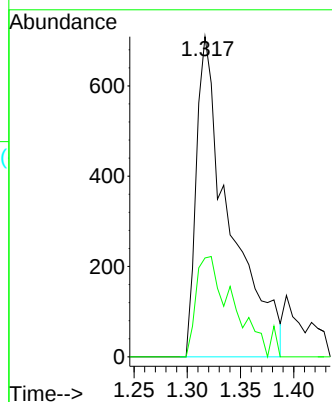
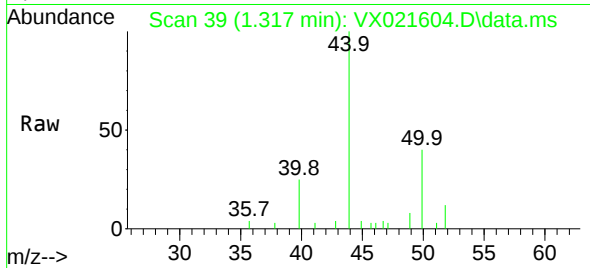




#3
Chloromethane
Concen: 2.21 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

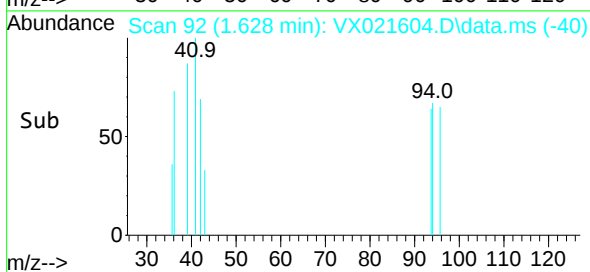
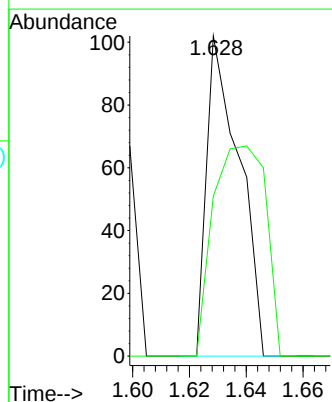
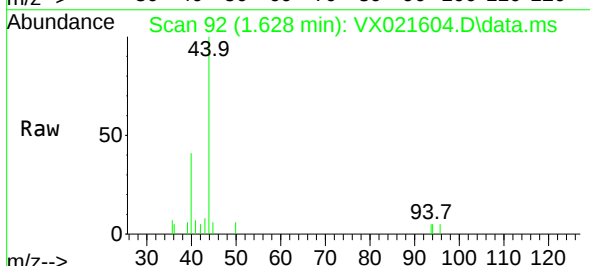
Instrument :
MSVOA_X
ClientSampled :

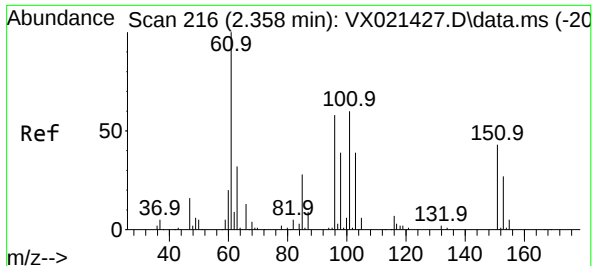
Tgt Ion: 50 Resp: 1537
Ion Ratio Lower Upper
50 100
52 30.9 26.4 39.6



#5
Bromomethane
Concen: 0.32 ug/l
RT: 1.628 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 50.0 76.4 114.6#

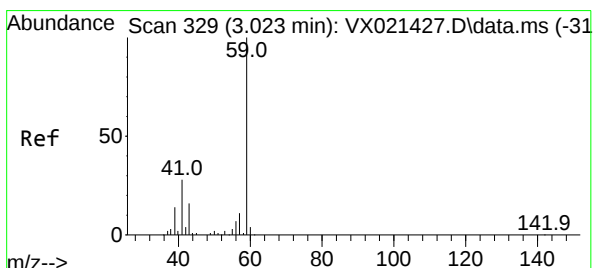
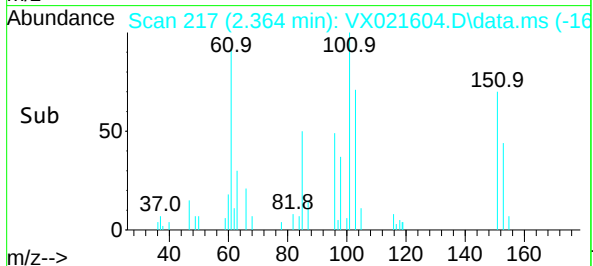
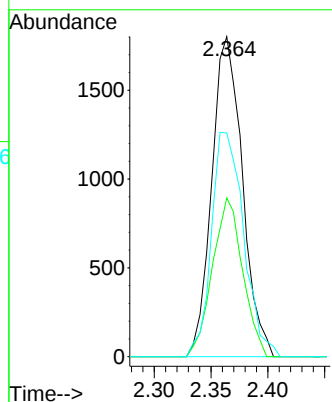
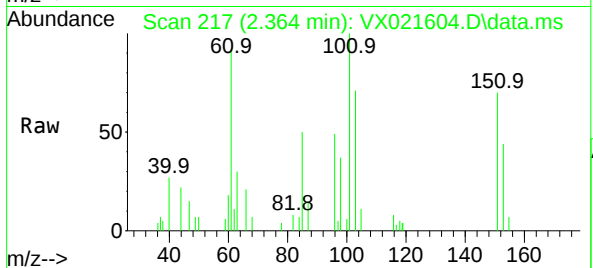




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.85 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

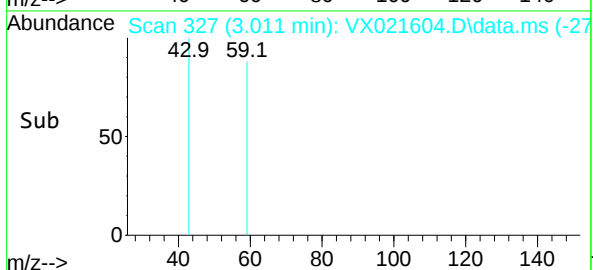
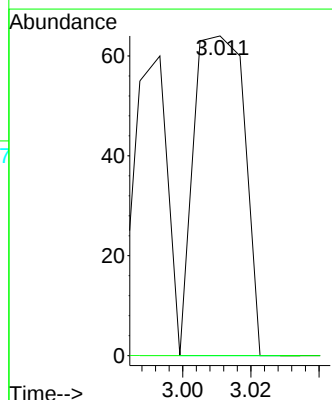
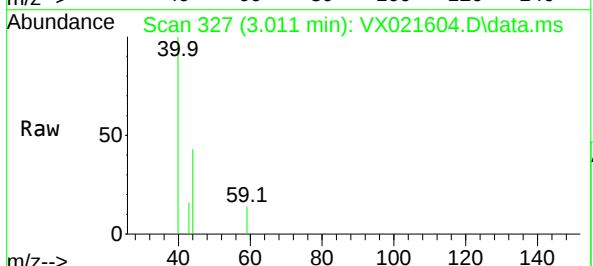
Instrument :
MSVOA_X
ClientSampled :

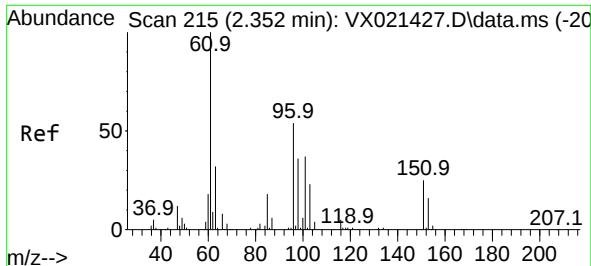
Tgt Ion:101 Resp: 3373
Ion Ratio Lower Upper
101 100
85 49.0 34.9 52.3
151 73.9 61.4 92.2



#11
Tert butyl alcohol
Concen: 0.43 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.012 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

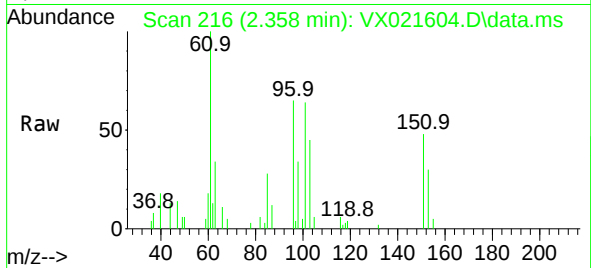
Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



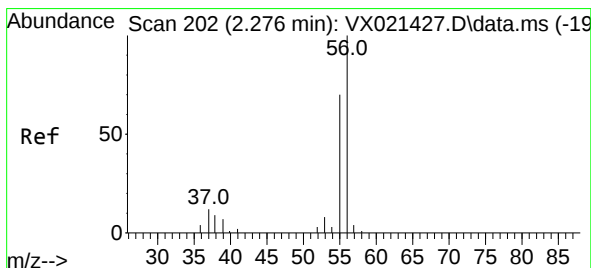
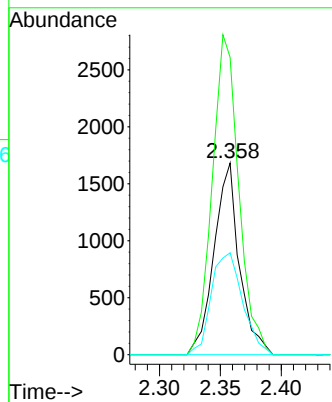
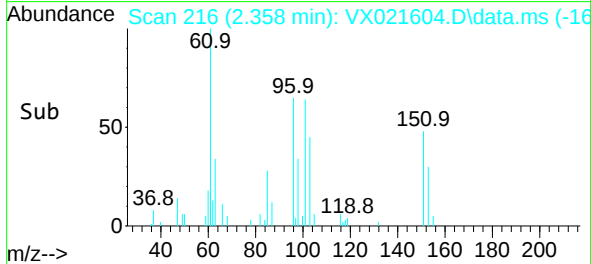


#12
1,1-Dichloroethene
Concen: 4.31 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

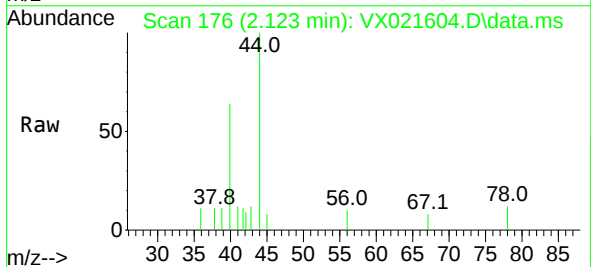
Instrument :
MSVOA_X
ClientSampled :



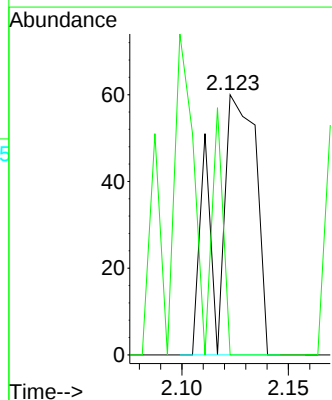
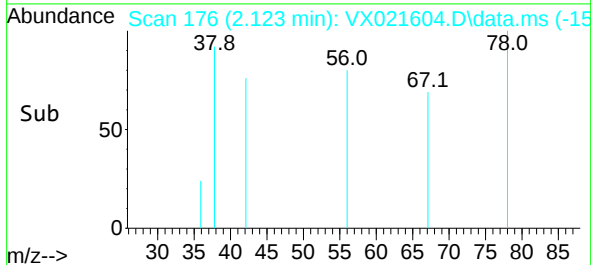
Tgt Ion: 96 Resp: 2435
Ion Ratio Lower Upper
96 100
61 155.0 124.6 187.0
98 53.2 50.6 76.0

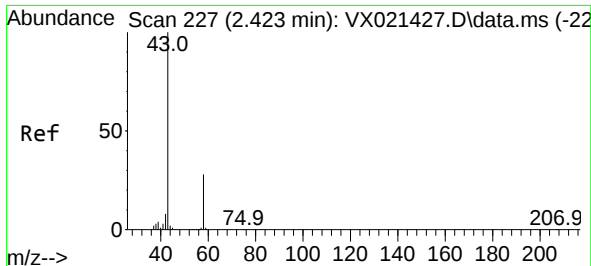


#13
Acrolein
Concen: 5.27 ug/l
RT: 2.123 min Scan# 176
Delta R.T. -0.153 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37



Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

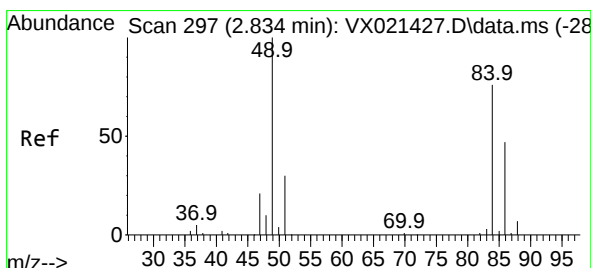
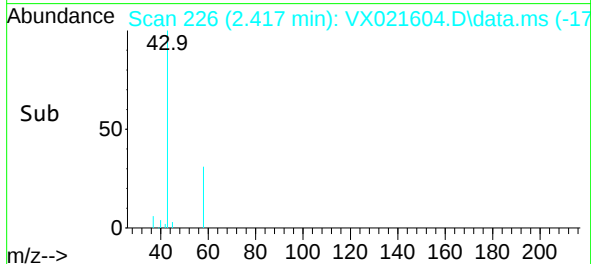
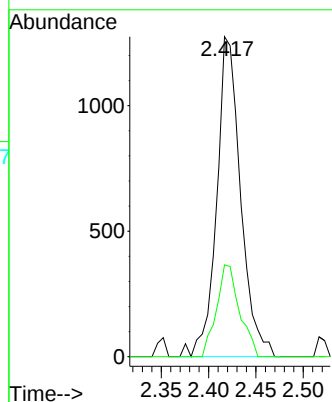
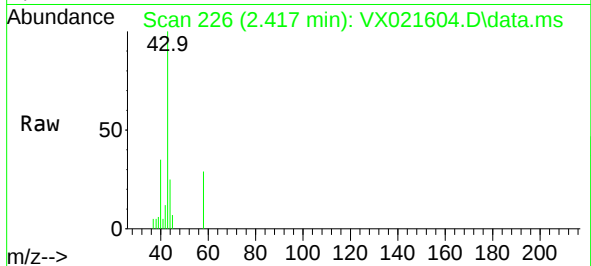




#16
Acetone
Concen: 6.38 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

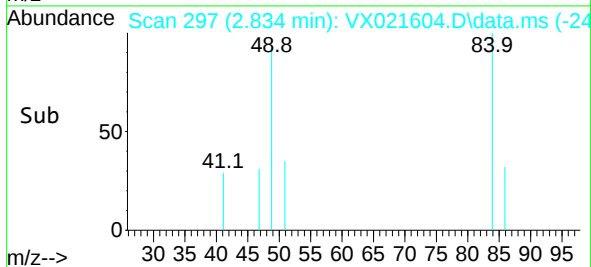
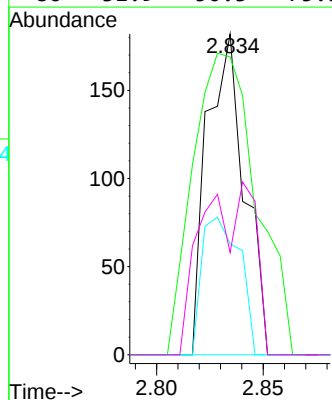
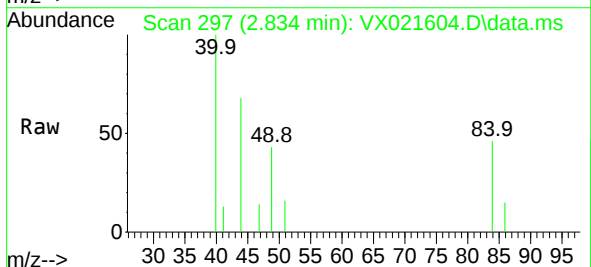
Instrument :
MSVOA_X
ClientSampled :

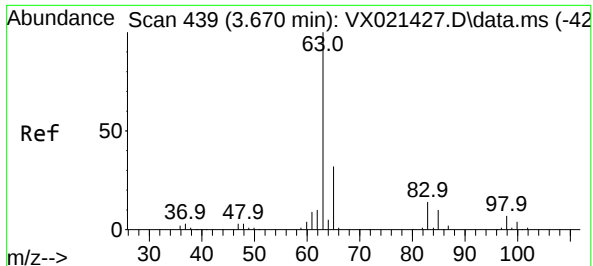
Tgt Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
58 28.7 27.8 41.8



#20
Methylene Chloride
Concen: 0.32 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 84 Resp: 223
Ion Ratio Lower Upper
84 100
49 64.3 88.6 132.8#
51 34.6 27.0 40.6
86 31.9 50.3 75.5#

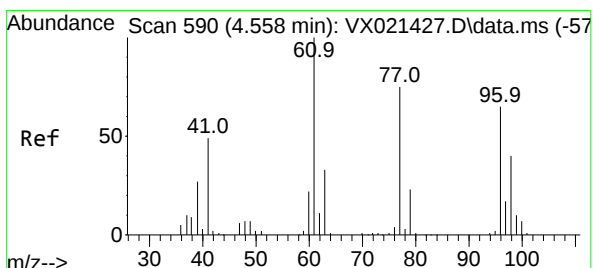
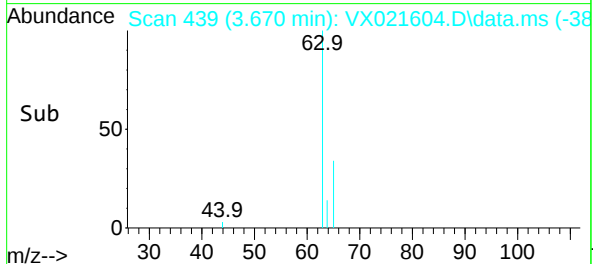
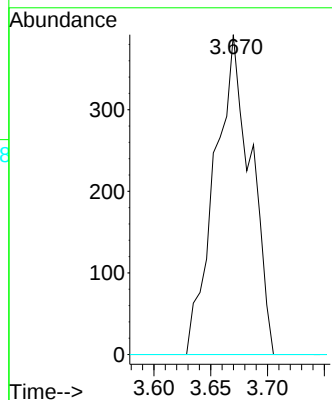
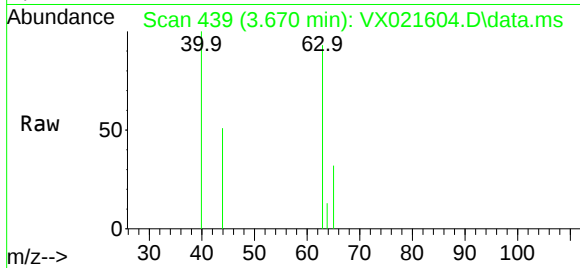




#24
1,1-Dichloroethane
Concen: 0.72 ug/l
RT: 3.670 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

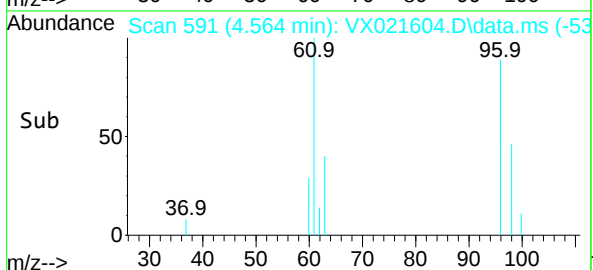
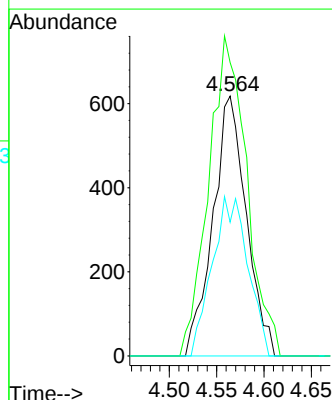
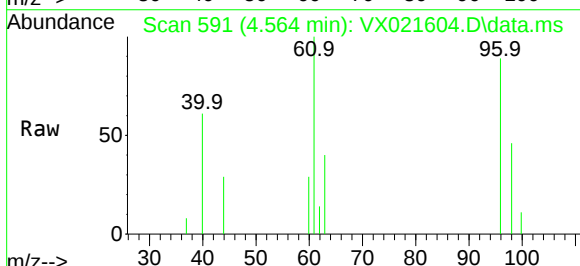
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MSVOA_X
ClientSampled :

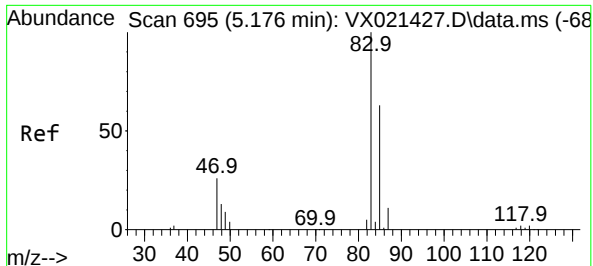
Tgt Ion: 63 Resp: 869
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 2.11 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 96 Resp: 1519
Ion Ratio Lower Upper
96 100
61 139.9 0.0 285.6
98 65.4 0.0 129.6





#30

Chloroform

Concen: 1.03 ug/l

RT: 5.176 min Scan# 695

Delta R.T. -0.000 min

Lab File: VX021604.D

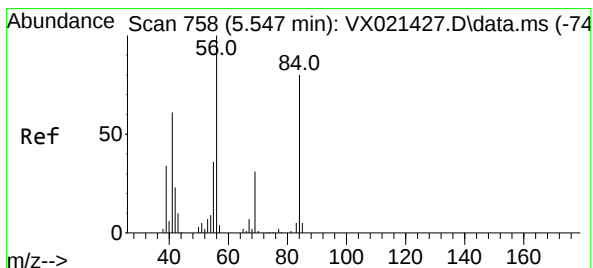
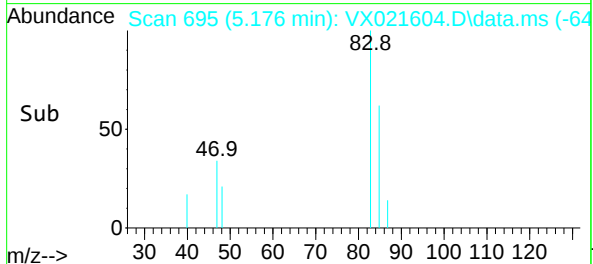
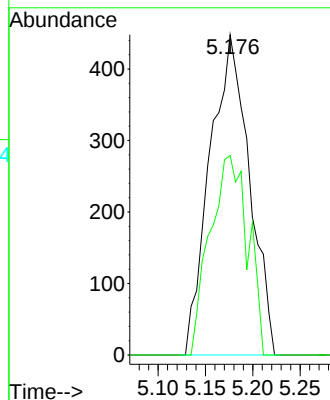
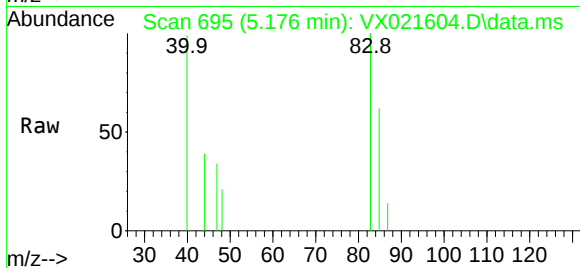
Acq: 30 Mar 2021 02:37

Tgt Ion: 83 Resp: 1299

Ion Ratio Lower Upper

83 100

85 62.3 52.0 78.0



#31

Cyclohexane

Concen: 1.59 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

Lab File: VX021604.D

Acq: 30 Mar 2021 02:37

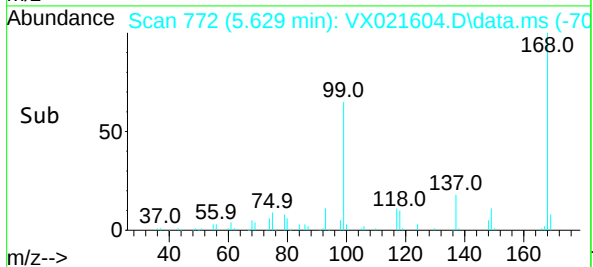
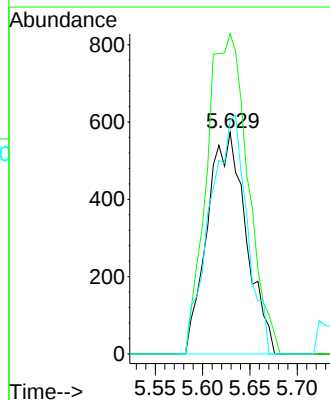
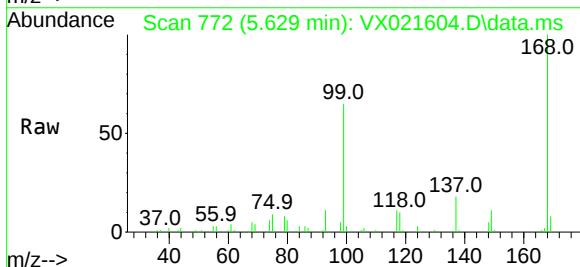
Tgt Ion: 56 Resp: 1632

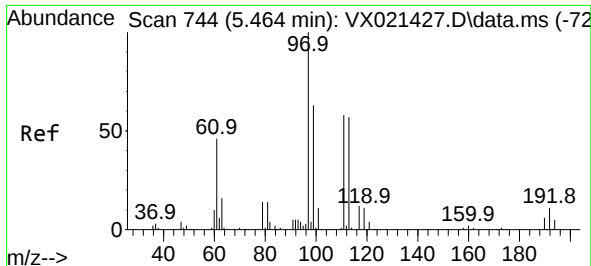
Ion Ratio Lower Upper

56 100

69 144.5 25.3 37.9#

84 105.6 71.4 107.0

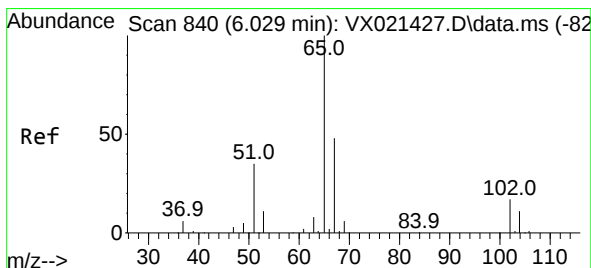
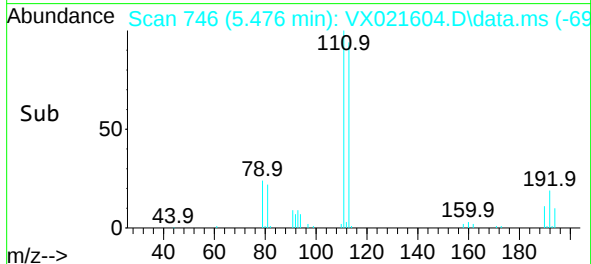
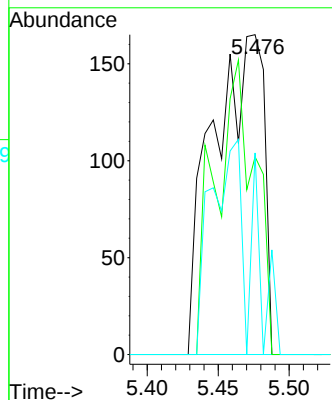
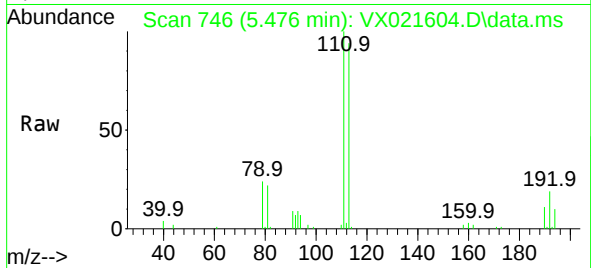




#32
1,1,1-Trichloroethane
Concen: 0.37 ug/l
RT: 5.476 min Scan# 746
Delta R.T. 0.012 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

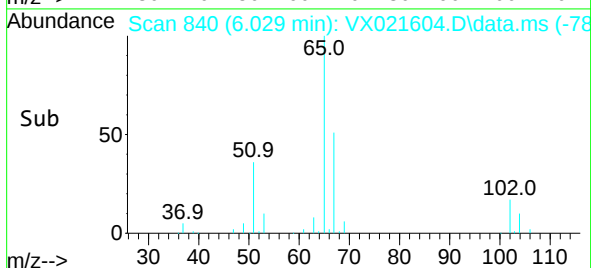
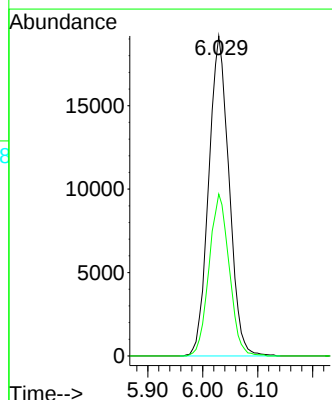
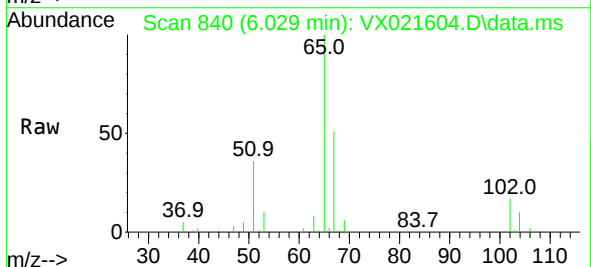
Instrument :
MSVOA_X
ClientSampled :

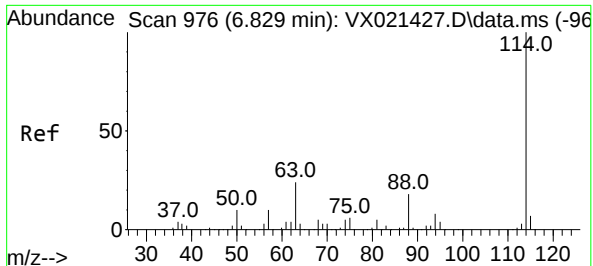
Tgt Ion: 97 Resp: 412
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 39.3 34.2 51.4



#33
1,2-Dichloroethane-d4
Concen: 52.91 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 65 Resp: 49320
Ion Ratio Lower Upper
65 100
67 50.1 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: VX021604.D

Acq: 30 Mar 2021 02:37

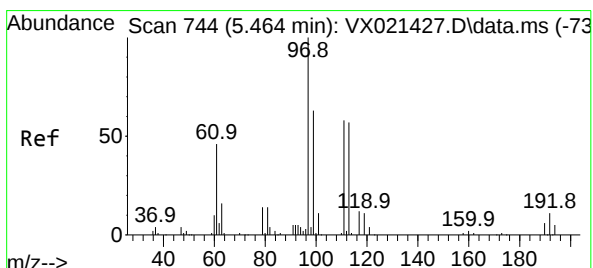
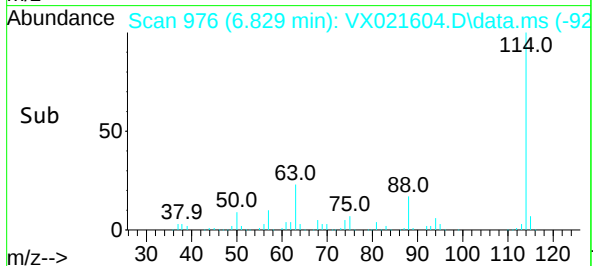
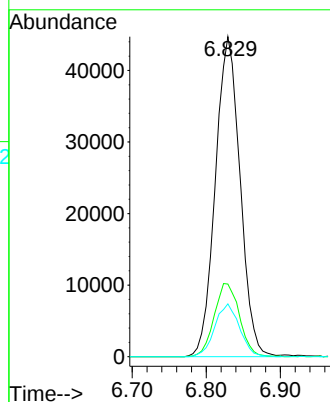
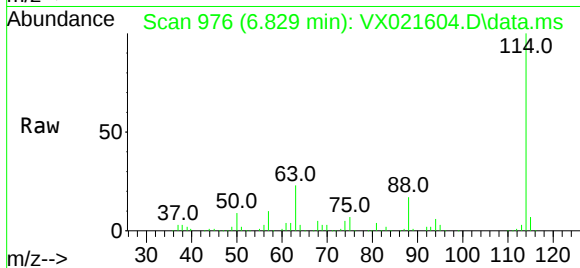
Tgt Ion:114 Resp: 103665

Ion Ratio Lower Upper

114 100

63 22.7 0.0 40.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.47 ug/l

RT: 5.464 min Scan# 744

Delta R.T. 0.000 min

Lab File: VX021604.D

Acq: 30 Mar 2021 02:37

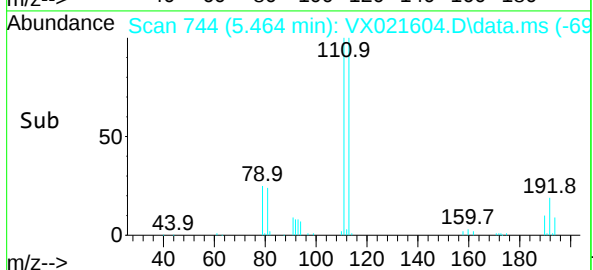
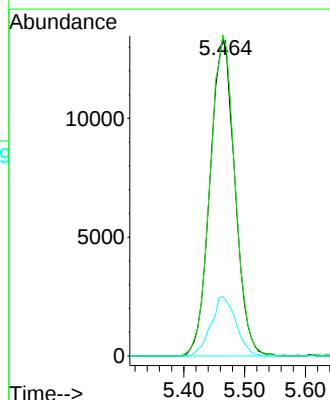
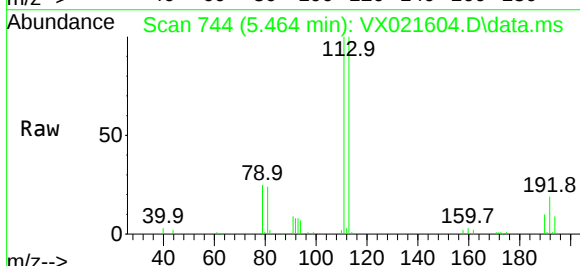
Tgt Ion:113 Resp: 37899

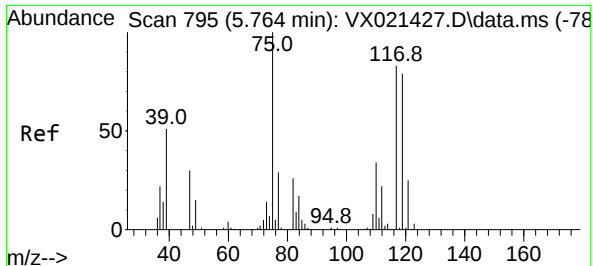
Ion Ratio Lower Upper

113 100

111 101.5 81.9 122.9

192 18.8 16.7 25.1

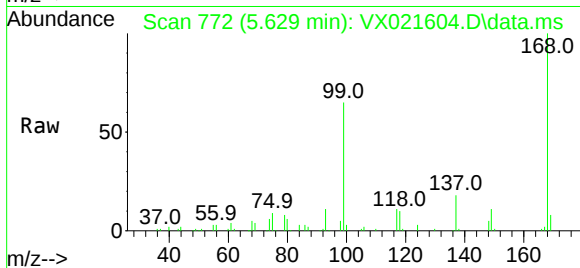




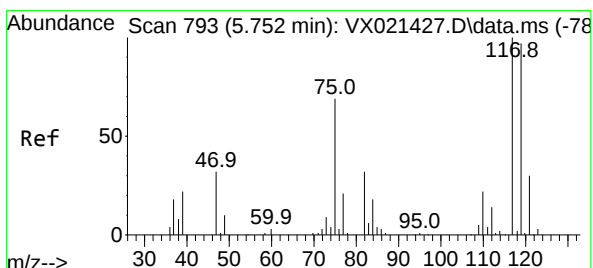
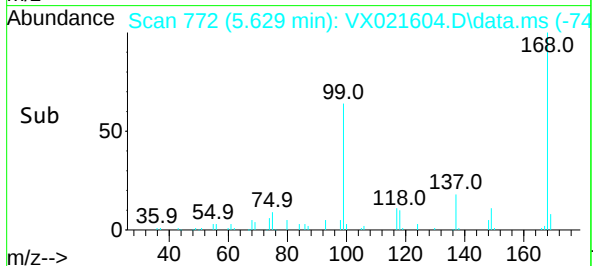
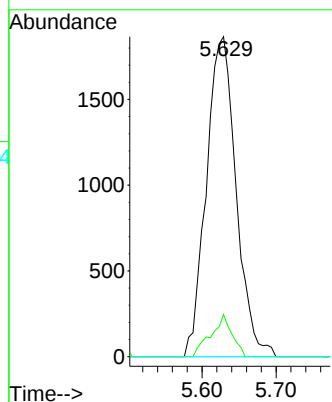
#36

1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Instrument :
MSVOA_X
ClientSampled :

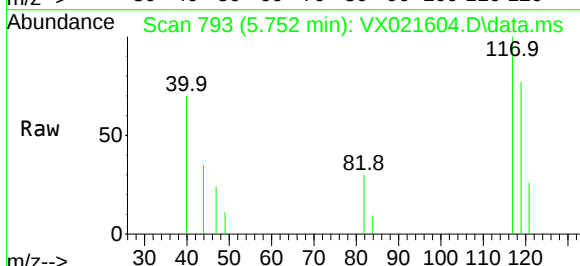


Tgt Ion:	75	Resp:	5207
Ion Ratio	Lower	Upper	
75	100		
110	9.3	18.1	54.4#
77	0.0	25.3	37.9#

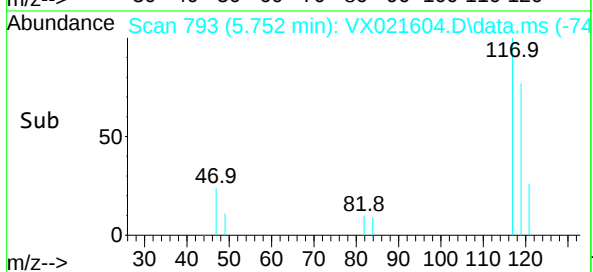
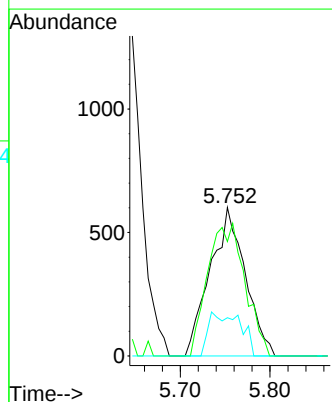


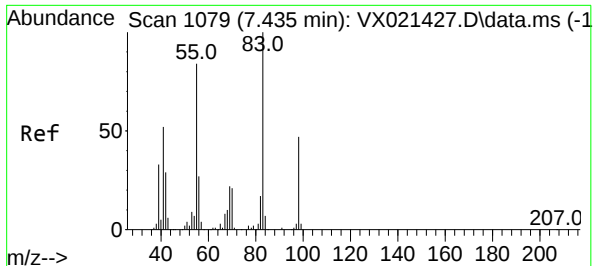
#38

Carbon Tetrachloride
Concen: 1.50 ug/l
RT: 5.752 min Scan# 793
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37



Tgt Ion:	117	Resp:	1637
Ion Ratio	Lower	Upper	
117	100		
119	77.0	76.2	114.2
121	25.8	24.8	37.2





#39

Methylcyclohexane

Concen: 1.76 ug/l

RT: 7.182 min Scan# 1036

Delta R.T. -0.253 min

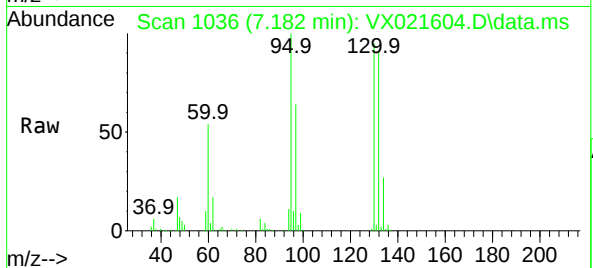
Lab File: VX021604.D

Acq: 30 Mar 2021 02:37

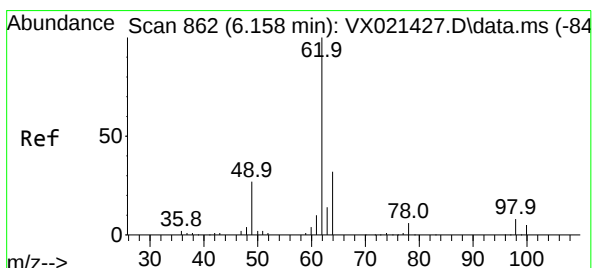
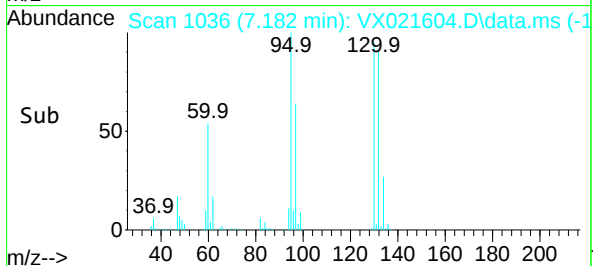
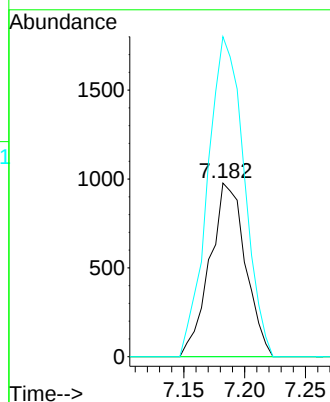
Instrument :

MSVOA_X

ClientSampled :



Tgt Ion:	83	Resp:	1987
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	184.3	38.1	57.1#



#42

1,2-Dichloroethane

Concen: 0.32 ug/l

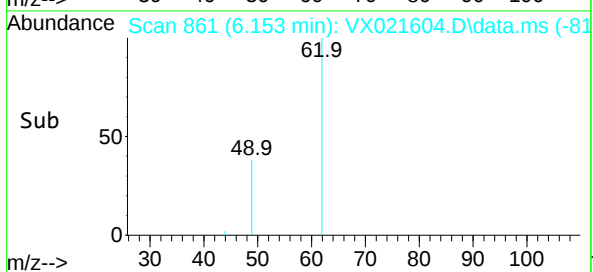
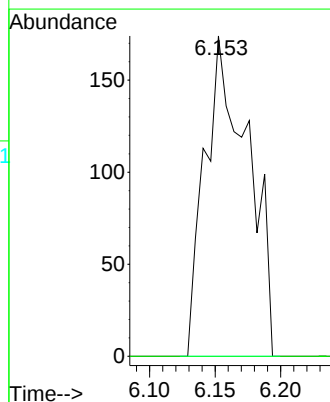
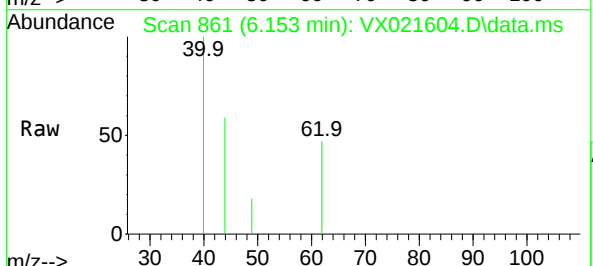
RT: 6.153 min Scan# 861

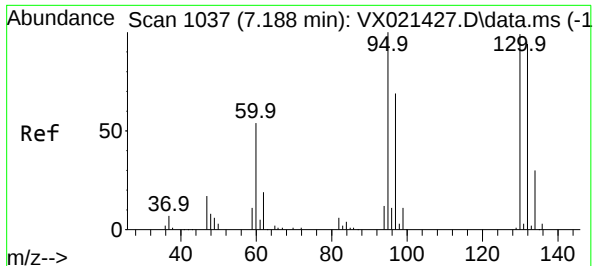
Delta R.T. -0.005 min

Lab File: VX021604.D

Acq: 30 Mar 2021 02:37

Tgt Ion:	62	Resp:	398
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

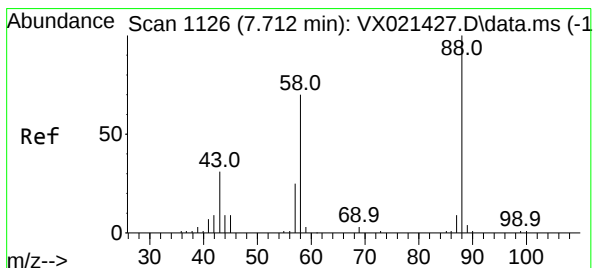
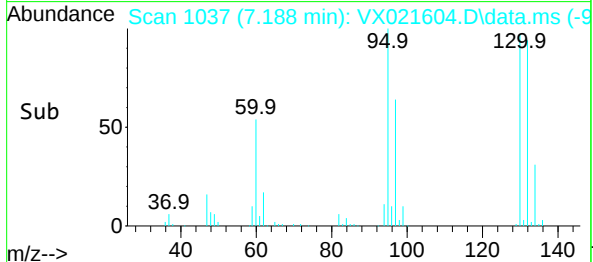
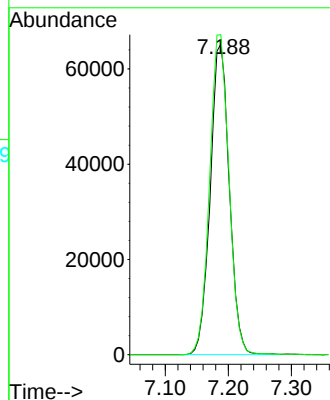
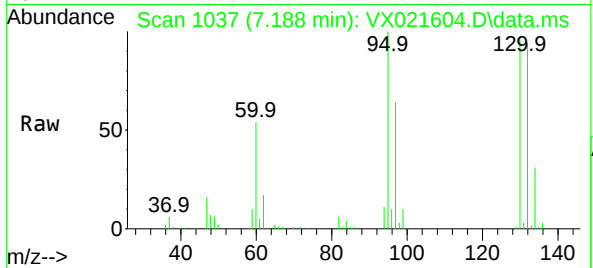




#44
Trichloroethene
Concen: 179.57 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

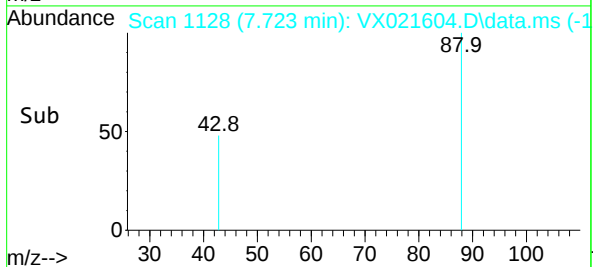
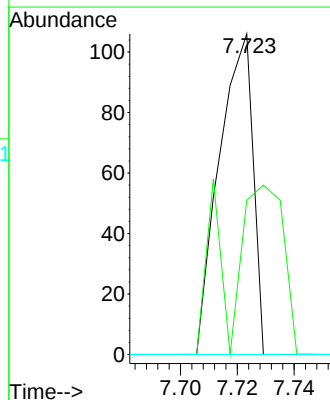
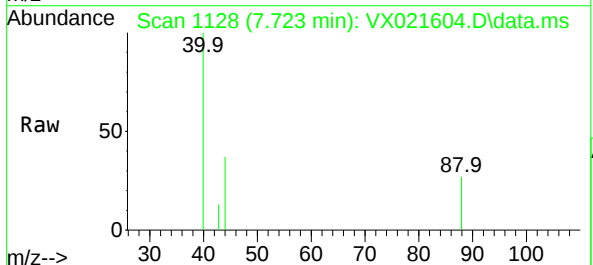
Instrument :
MSVOA_X
ClientSampled :

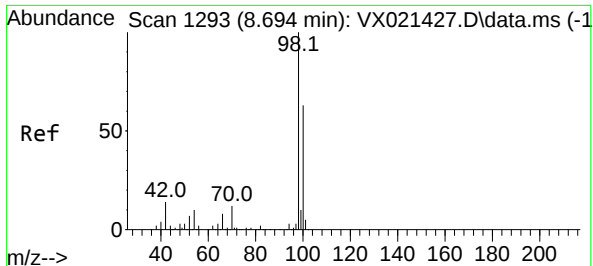
Tgt Ion:130 Resp: 136679
Ion Ratio Lower Upper
130 100
95 103.0 0.0 198.0



#49
1,4-Dioxane
Concen: 4.78 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 64.4 23.2 34.8#
58 0.0 55.0 82.4#

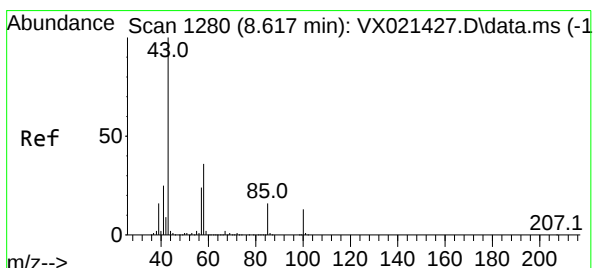
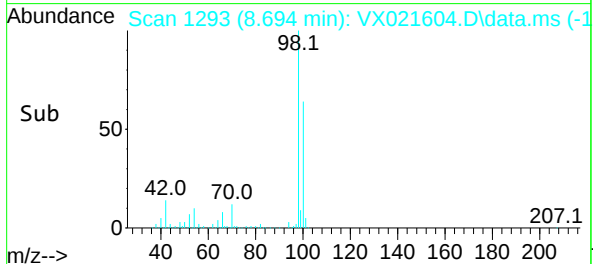
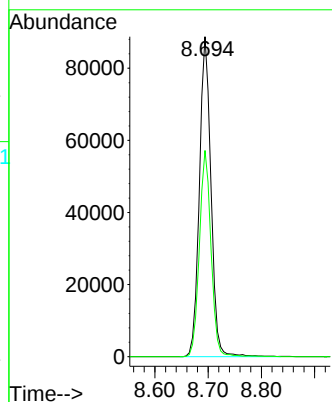
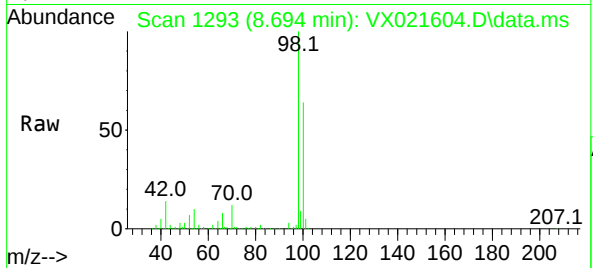




#50
Toluene-d8
Concen: 51.14 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

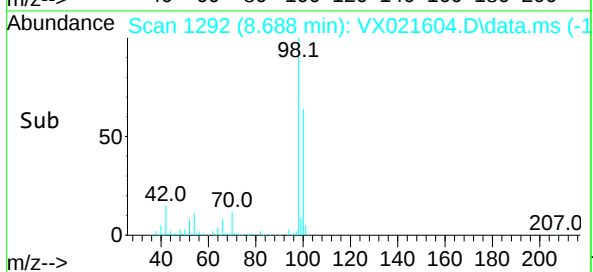
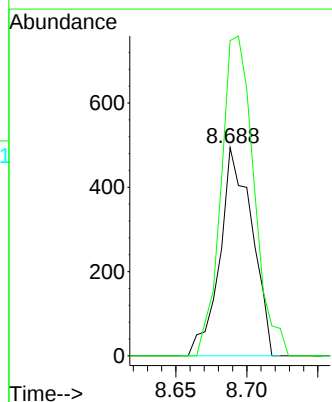
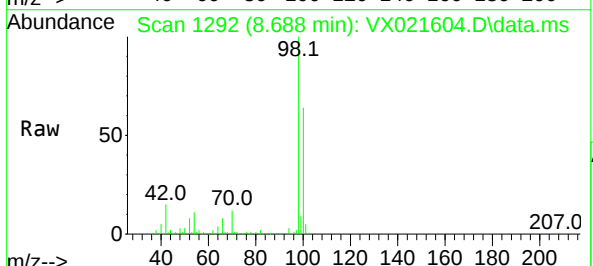
Instrument :
MSVOA_X
ClientSampled :

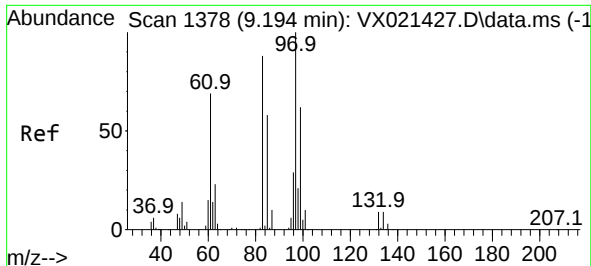
Tgt Ion: 98 Resp: 134199
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.66 ug/l
RT: 8.688 min Scan# 1292
Delta R.T. 0.071 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

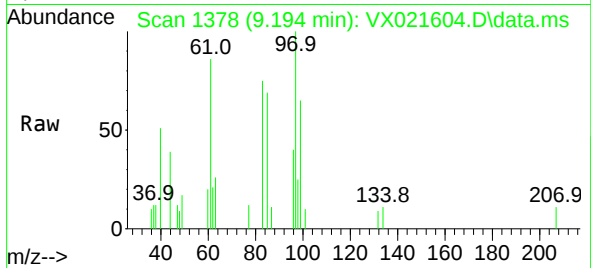
Tgt Ion: 43 Resp: 777
Ion Ratio Lower Upper
43 100
58 157.4 35.4 53.0#



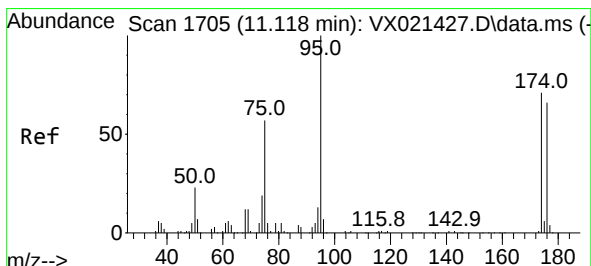
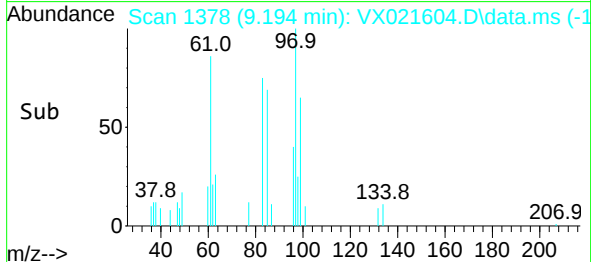
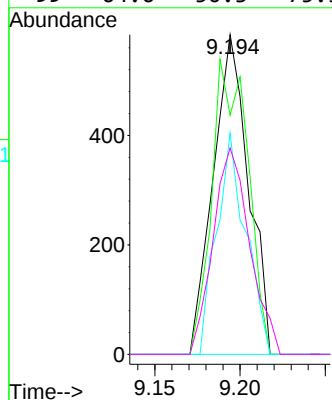


#55
1,1,2-Trichloroethane
Concen: 1.12 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Instrument :
MSVOA_X
ClientSampled :

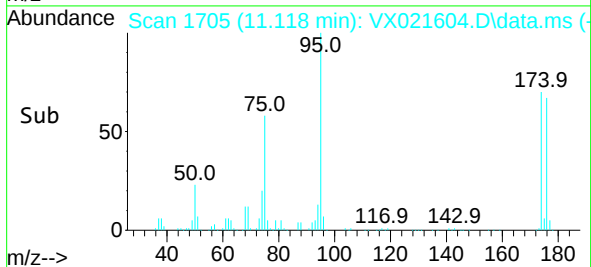
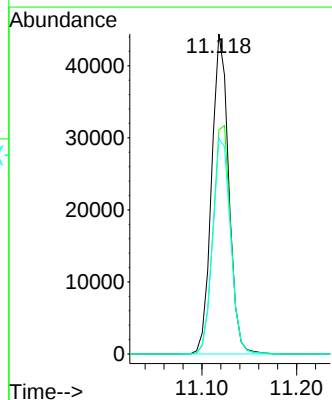
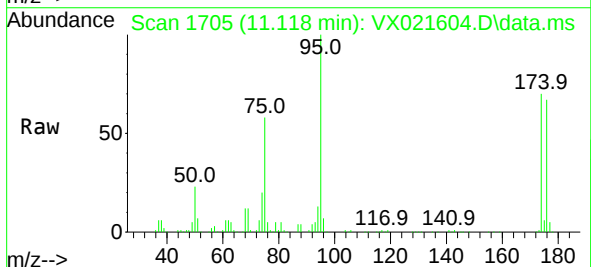


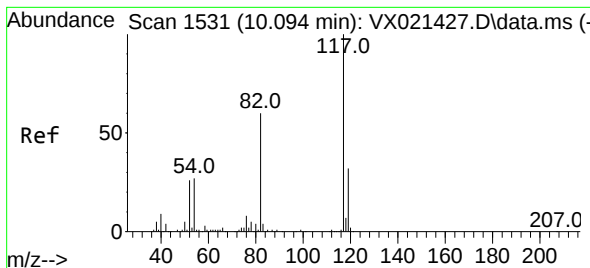
Tgt Ion:	97	Resp:	841
Ion	Ratio	Lower	Upper
97	100		
83	74.8	69.3	103.9
85	69.2	44.3	66.5#
99	64.6	50.3	75.5



#62
4-Bromofluorobenzene
Concen: 54.53 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion:	95	Resp:	55634
Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	154.6
176	70.2	0.0	155.8

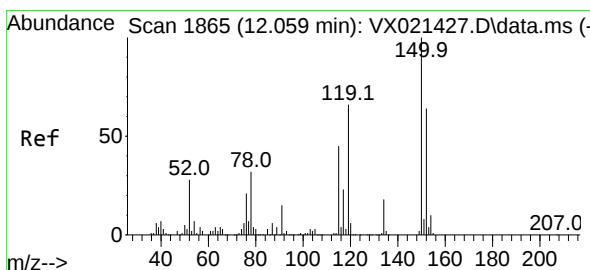
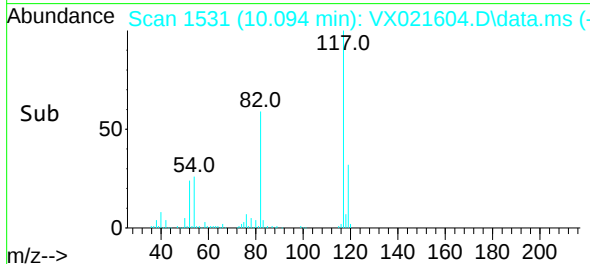
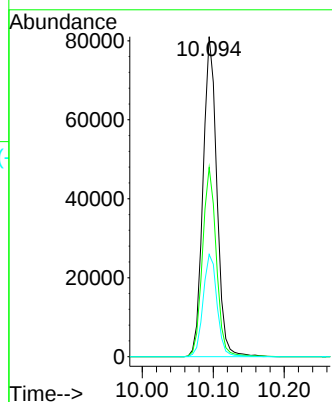
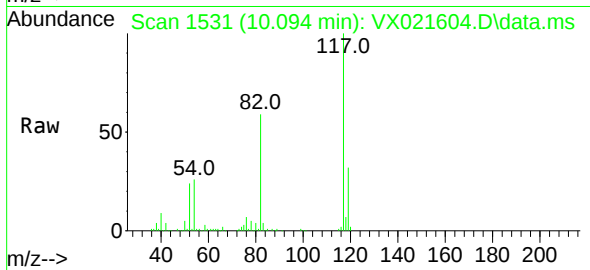




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

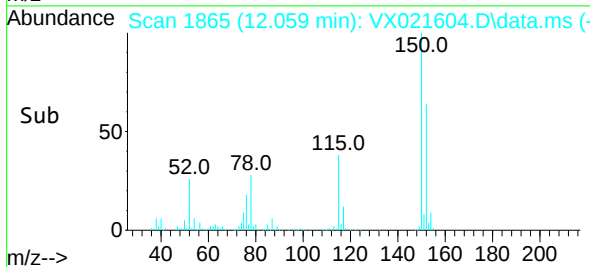
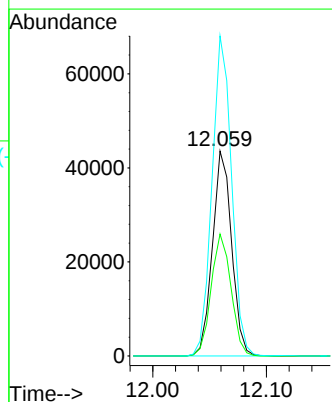
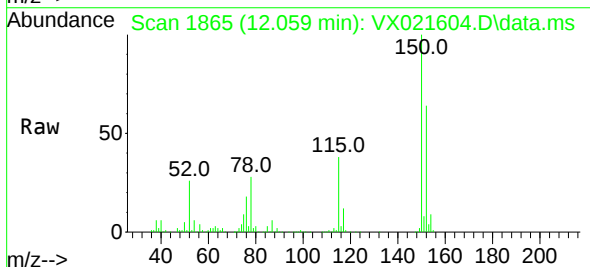
Instrument :
MSVOA_X
ClientSampled :

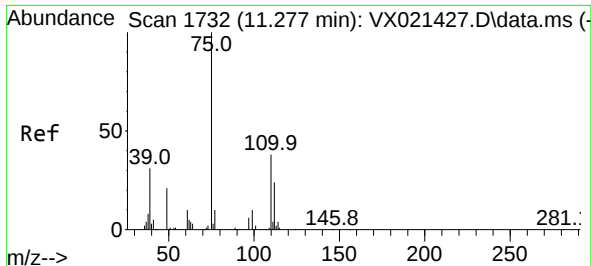
Tgt Ion:117 Resp: 110057
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion:152 Resp: 51147
Ion Ratio Lower Upper
152 100
115 61.6 41.1 123.3
150 159.3 0.0 349.0

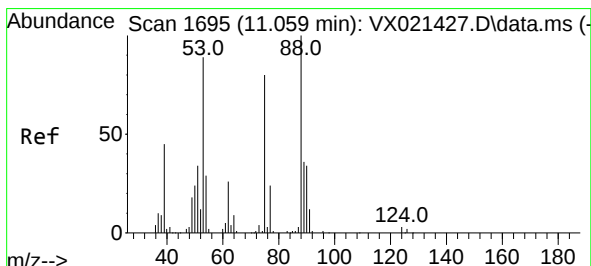
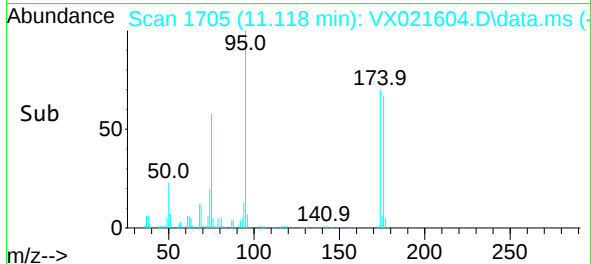
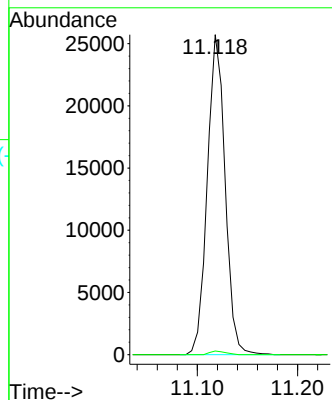
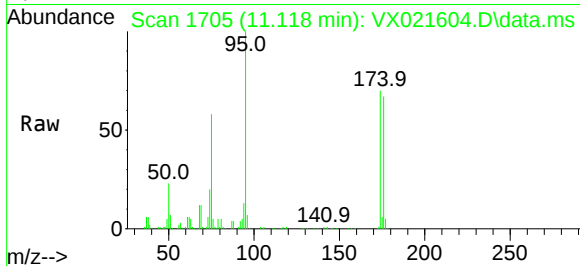




#76
1,2,3-Trichloropropane
Concen: 26.63 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 31714
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.13 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021604.D
Acq: 30 Mar 2021 02:37

Tgt Ion: 75 Resp: 31714
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

