

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021493.D
 Acq On : 25 Mar 2021 17:52
 Operator : JC/MD
 Sample : M1787-08DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

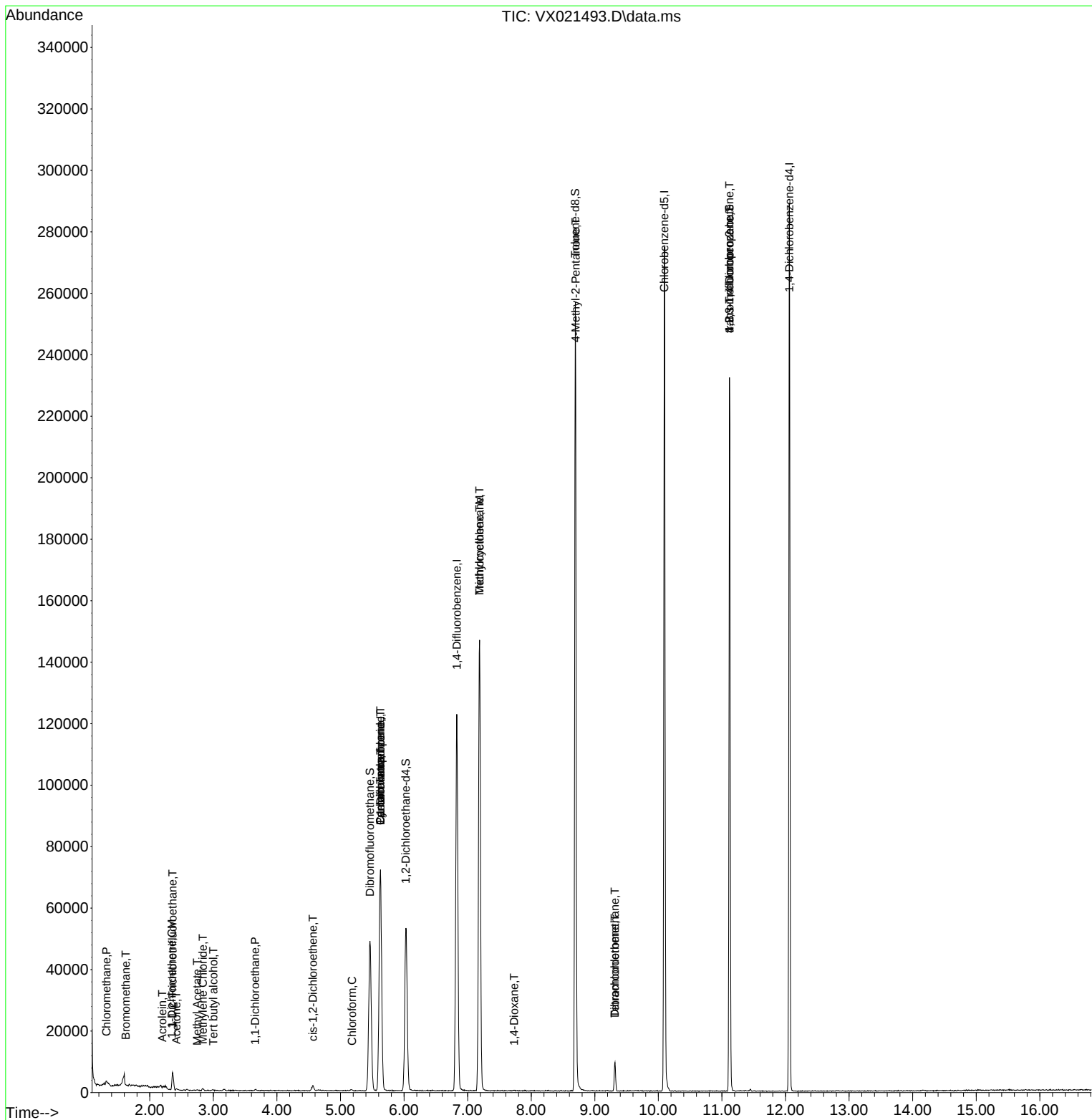
Quant Time: Mar 26 03:16:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 24 12:25:26 2021
 Response via : Initial Calibration

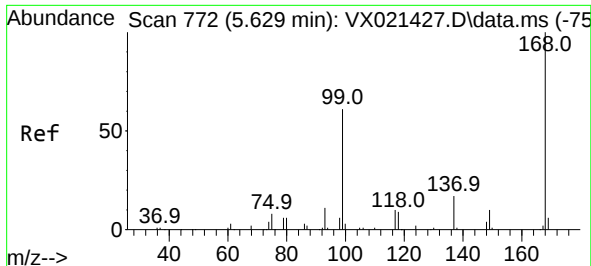
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.629	168	62126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	111831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	52923	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	53162	51.43	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.86%	
35) Dibromofluoromethane	5.464	113	39950	50.29	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.58%	
50) Toluene-d8	8.694	98	143920	50.84	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.68%	
62) 4-Bromofluorobenzene	11.118	95	59149	53.75	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.50%	
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1634	2.12	ug/l #	57
5) Bromomethane	1.623	94	126	0.45	ug/l #	58
9) 1,1,2-Trichlorotrifluo...	2.358	101	1831	2.86	ug/l	94
11) Tert butyl alcohol	2.999	59	153	0.90	ug/l #	73
12) 1,1-Dichloroethene	2.346	96	391	0.62	ug/l #	77
13) Acrolein	2.199	56	22	4.55	ug/l #	81
16) Acetone	2.417	43	475	1.22	ug/l	89
18) Methyl Acetate	2.746	43	276	0.24	ug/l #	47
20) Methylene Chloride	2.835	84	310	0.41	ug/l #	84
24) 1,1-Dichloroethane	3.658	63	539	0.40	ug/l #	81
27) cis-1,2-Dichloroethene	4.564	96	883	1.11	ug/l	88
30) Chloroform	5.182	83	311	0.22	ug/l	91
31) Cyclohexane	5.629	56	1742	1.53	ug/l #	42
36) 1,1-Dichloropropene	5.629	75	5627	5.14	ug/l #	45
38) Carbon Tetrachloride	5.629	117	6841	5.81	ug/l #	16
39) Methylcyclohexane	7.188	83	737	0.61	ug/l #	1
44) Trichloroethene	7.188	130	52474	63.91	ug/l	97
49) 1,4-Dioxane	7.729	88	118	6.01	ug/l #	74
51) 4-Methyl-2-Pentanone	8.700	43	831	0.66	ug/l #	1
60) Dibromochloromethane	9.318	129	1737	1.91	ug/l #	11
64) Tetrachloroethene	9.318	164	1641	2.11	ug/l #	90
76) 1,2,3-Trichloropropane	11.118	75	33344	27.06	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33344	82.44	ug/l #	12

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

Quant Time: Mar 26 03:16:52 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

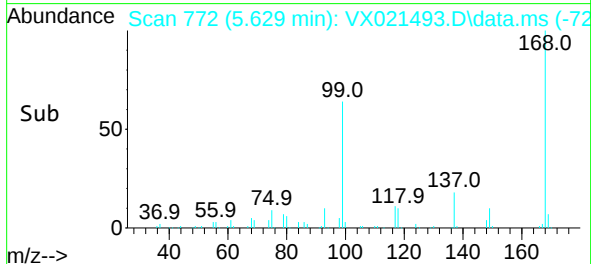
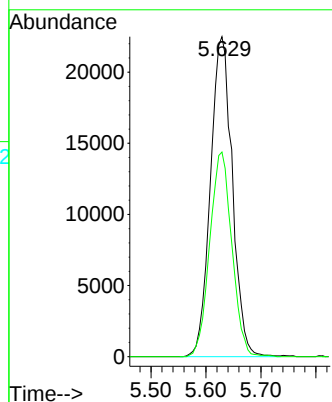
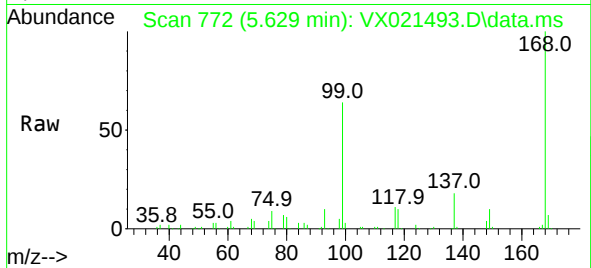




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

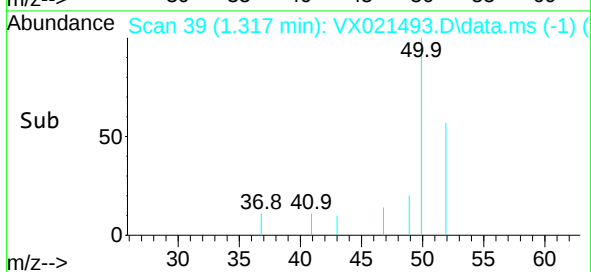
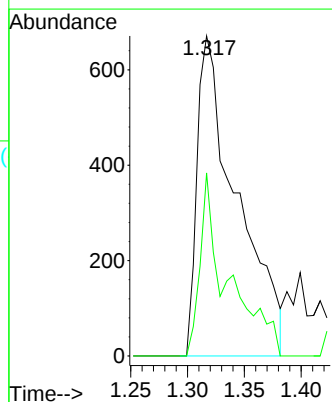
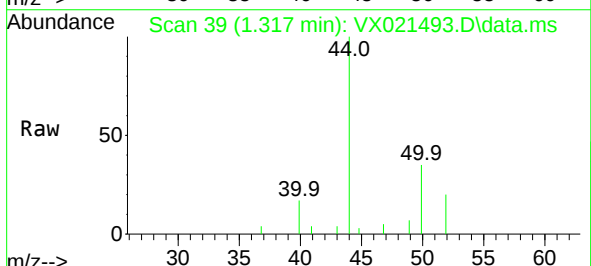
Instrument :
MSVOA_X
ClientSampleId :

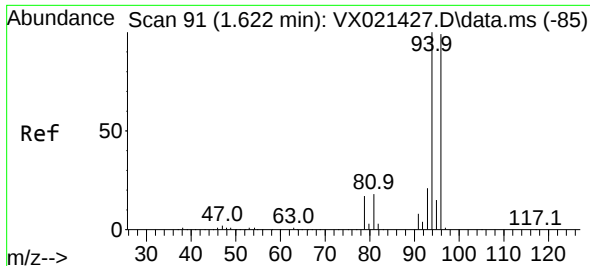
Tgt Ion:168 Resp: 62126
Ion Ratio Lower Upper
168 100
99 63.9 45.8 68.6



#3
Chloromethane
Concen: 2.12 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 50 Resp: 1634
Ion Ratio Lower Upper
50 100
52 57.2 26.4 39.6#

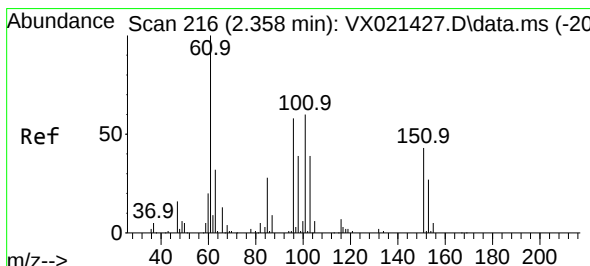
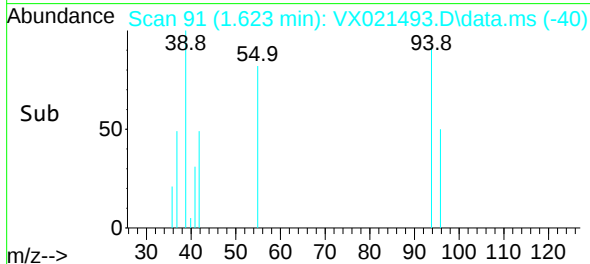
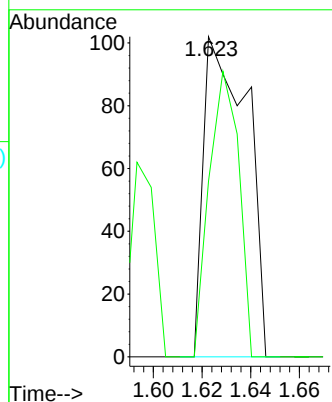
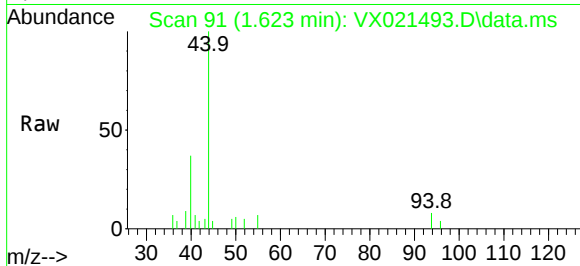




#5
Bromomethane
Concen: 0.45 ug/l
RT: 1.623 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

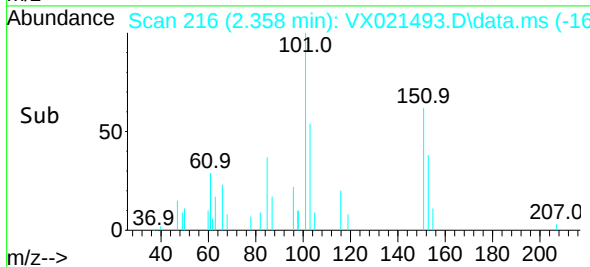
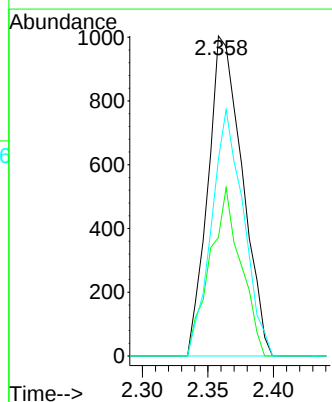
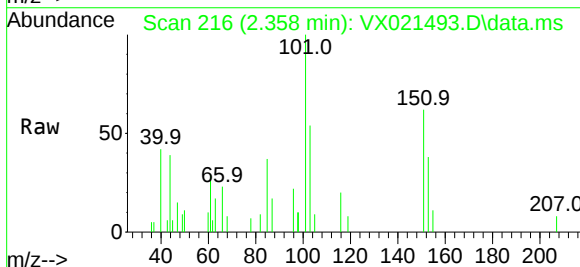
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 54.9 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.86 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 101 Resp: 1831
Ion Ratio Lower Upper
101 100
85 47.3 34.9 52.3
151 71.7 61.4 92.2

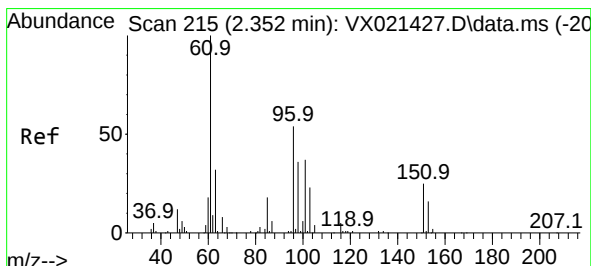
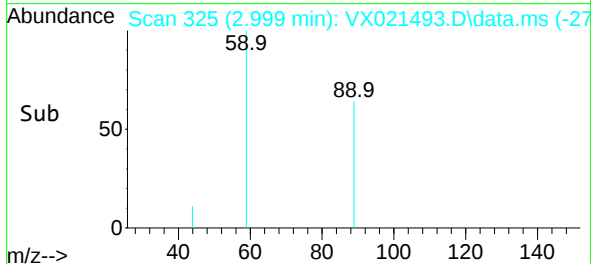
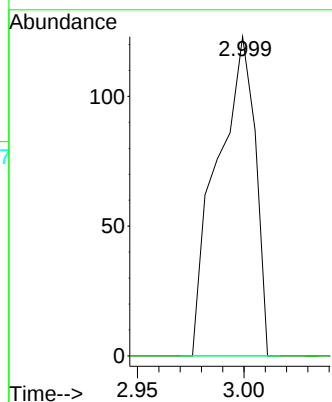
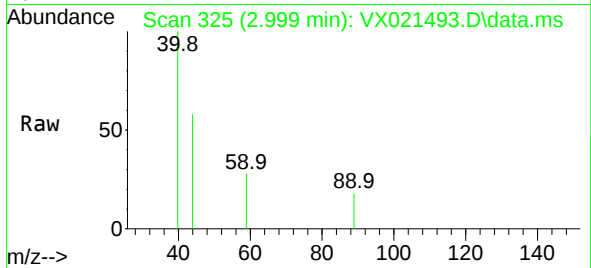




#11
Tert butyl alcohol
Concen: 0.90 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.024 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

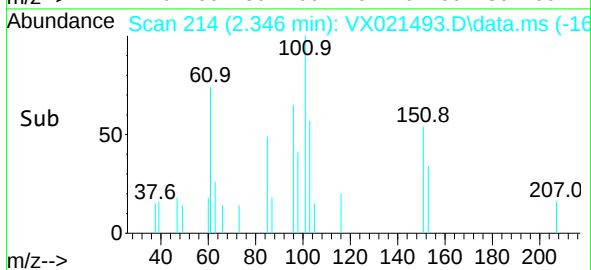
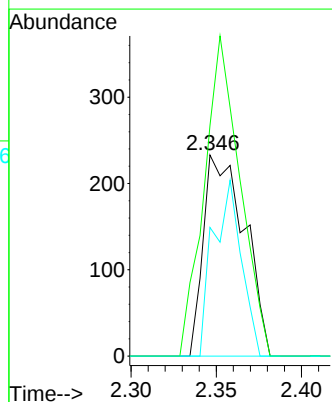
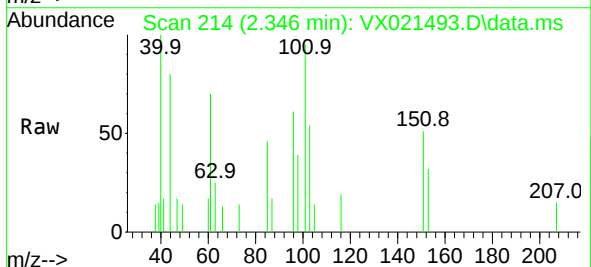
Instrument :
MSVOA_X
ClientSampled :

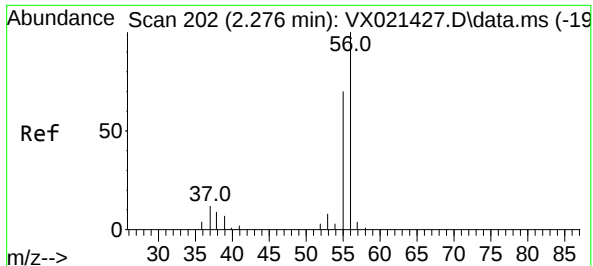
Tgt Ion: 59 Resp: 153
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 0.62 ug/l
RT: 2.346 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 96 Resp: 391
Ion Ratio Lower Upper
96 100
61 114.6 124.6 187.0#
98 63.9 50.6 76.0

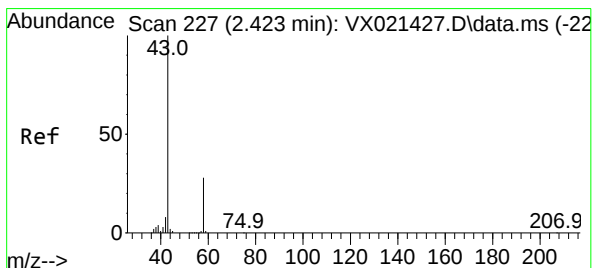
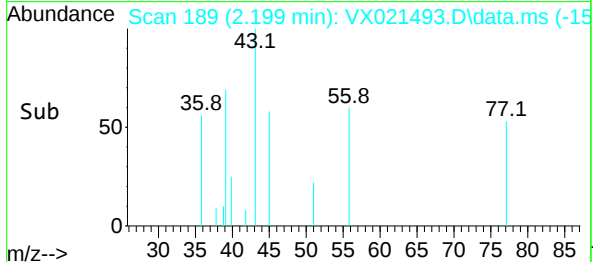
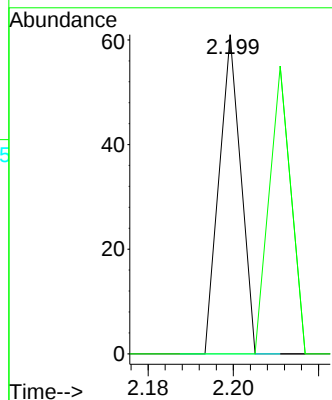
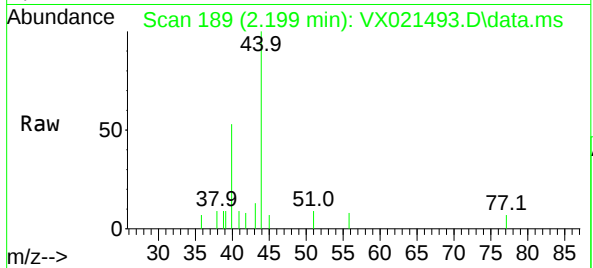




#13
Acrolein
Concen: 4.55 ug/l
RT: 2.199 min Scan# 189
Delta R.T. -0.077 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

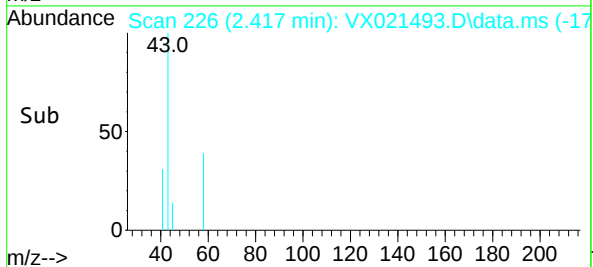
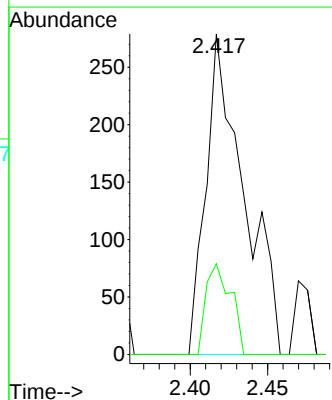
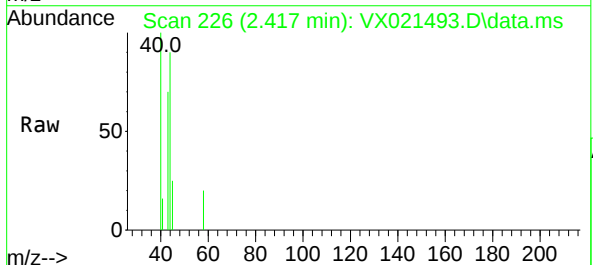
Instrument :
MSVOA_X
ClientSampled :

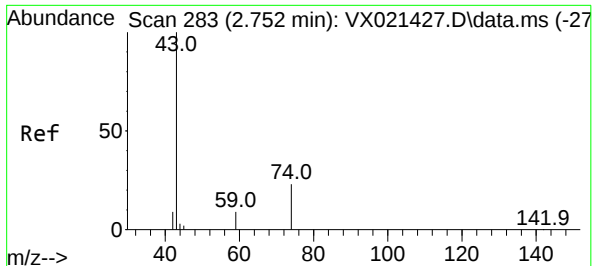
Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 86.4 56.4 84.6#



#16
Acetone
Concen: 1.22 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 28.3 27.8 41.8





#18

Methyl Acetate

Concen: 0.24 ug/l

RT: 2.746 min Scan# 282

Delta R.T. -0.006 min

Lab File: VX021493.D

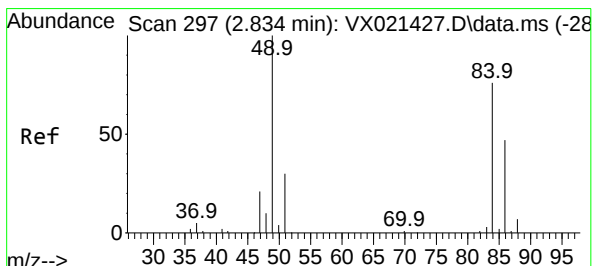
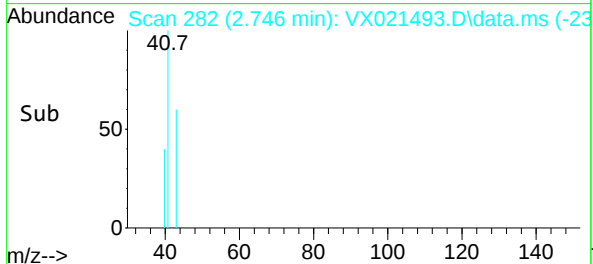
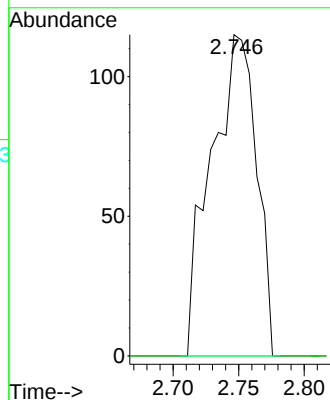
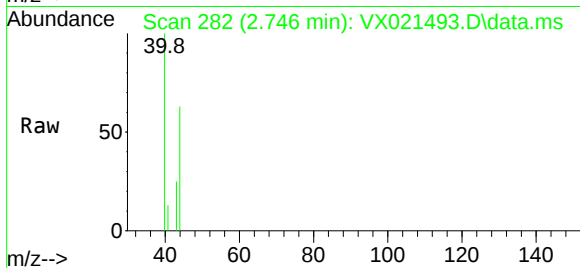
Acq: 25 Mar 2021 17:52

Tgt Ion: 43 Resp: 276

Ion Ratio Lower Upper

43 100

74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.41 ug/l

RT: 2.835 min Scan# 297

Delta R.T. 0.001 min

Lab File: VX021493.D

Acq: 25 Mar 2021 17:52

Tgt Ion: 84 Resp: 310

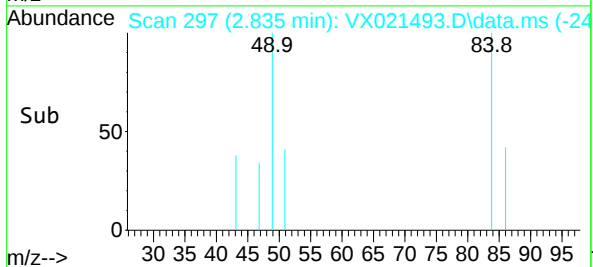
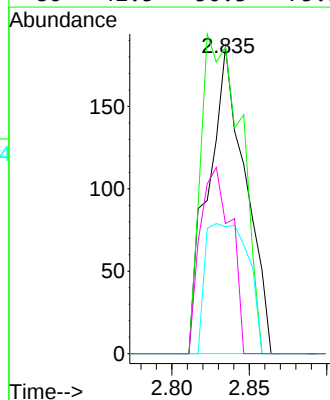
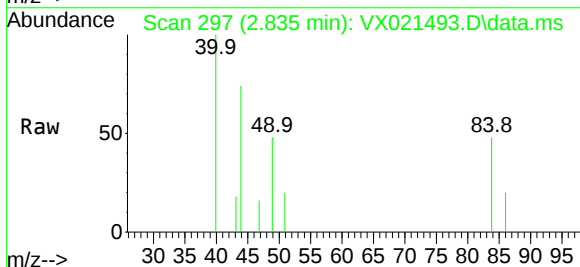
Ion Ratio Lower Upper

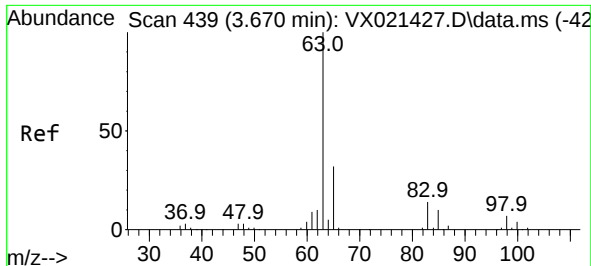
84 100

49 100.0 88.6 132.8

51 41.4 27.0 40.6#

86 42.5 50.3 75.5#

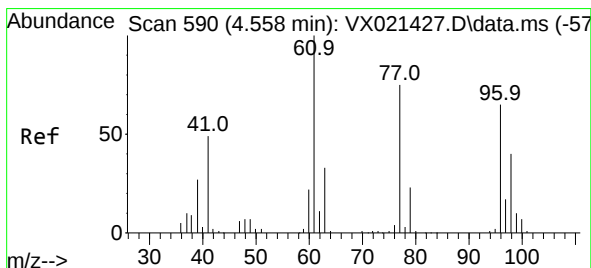
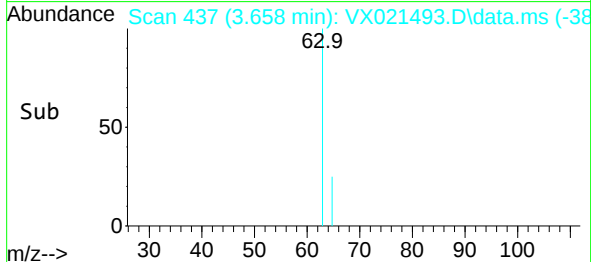
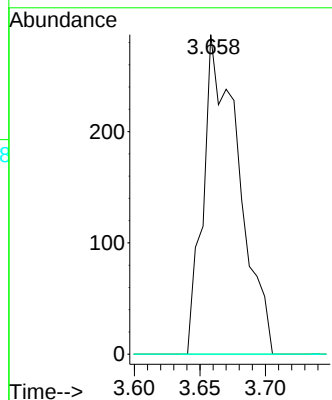
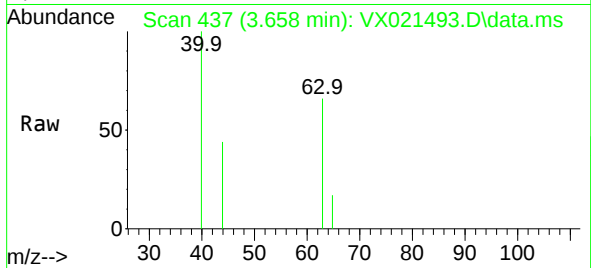




#24
1,1-Dichloroethane
Concen: 0.40 ug/l
RT: 3.658 min Scan# 437
Delta R.T. -0.012 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

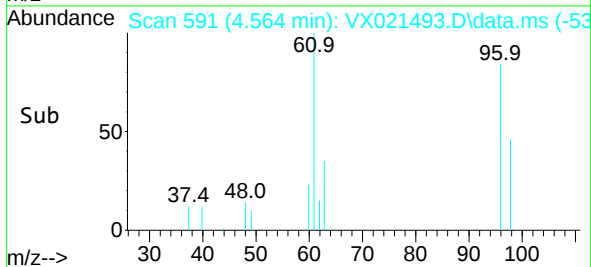
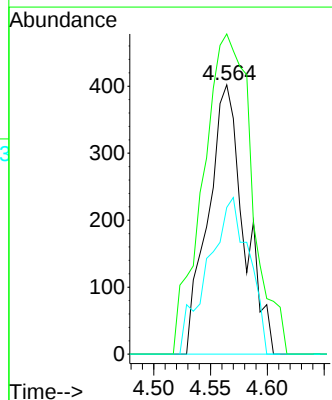
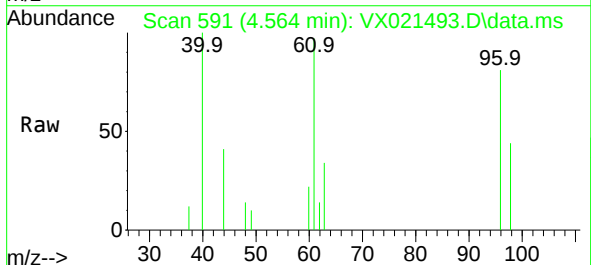
Instrument :
MSVOA_X
ClientSampled :

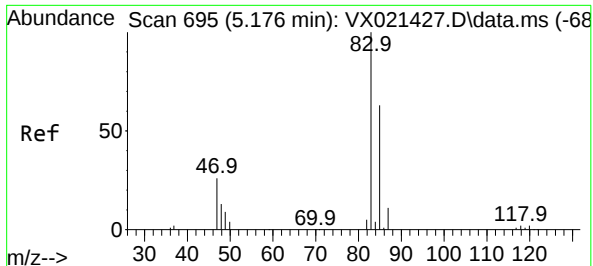
Tgt Ion: 63 Resp: 539
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 1.11 ug/l
RT: 4.564 min Scan# 591
Delta R.T. 0.006 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 96 Resp: 883
Ion Ratio Lower Upper
96 100
61 163.1 0.0 285.6
98 66.8 0.0 129.6





#30

Chloroform

Concen: 0.22 ug/l

RT: 5.182 min Scan# 696

Delta R.T. 0.006 min

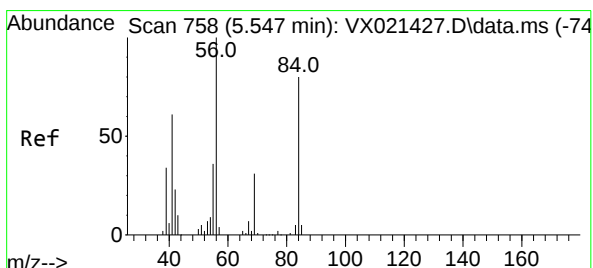
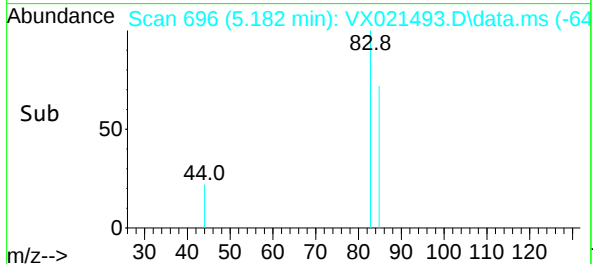
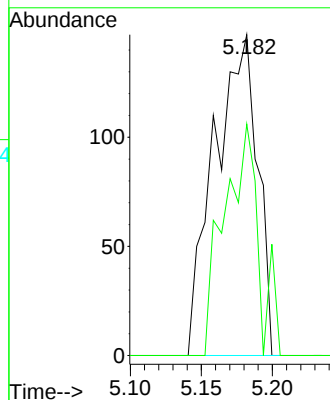
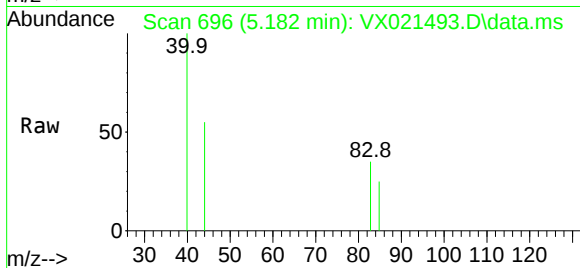
Lab File: VX021493.D

Acq: 25 Mar 2021 17:52

Tgt Ion: 83 Resp: 311

Ion Ratio Lower Upper

83	100		
85	72.1	52.0	78.0



#31

Cyclohexane

Concen: 1.53 ug/l

RT: 5.629 min Scan# 772

Delta R.T. 0.082 min

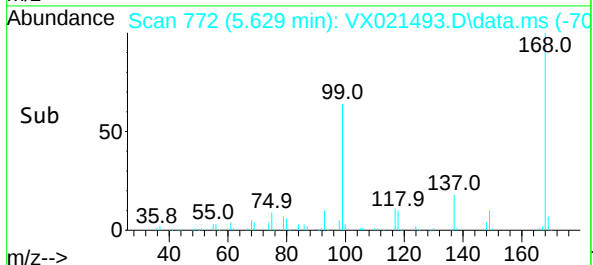
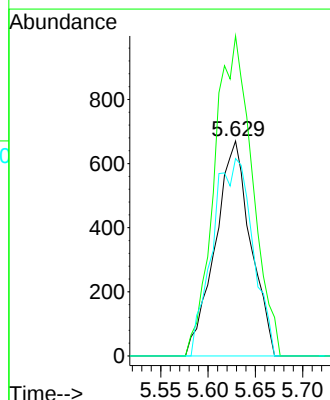
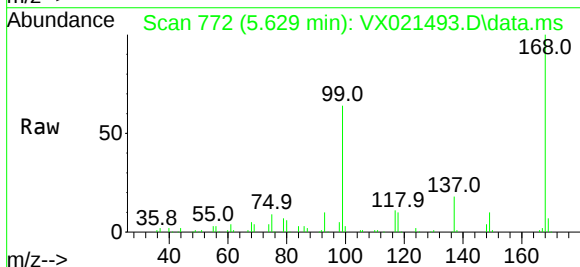
Lab File: VX021493.D

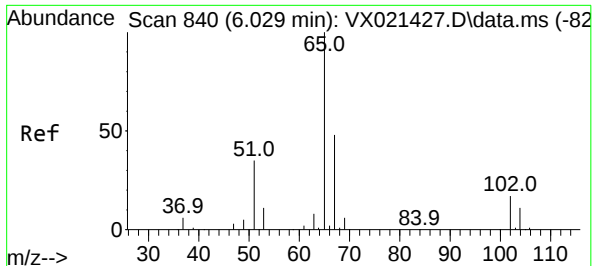
Acq: 25 Mar 2021 17:52

Tgt Ion: 56 Resp: 1742

Ion Ratio Lower Upper

56	100		
69	149.0	25.3	37.9#
84	91.9	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 51.43 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021493.D

Acq: 25 Mar 2021 17:52

Tgt Ion: 65 Resp: 53162

Ion Ratio Lower Upper

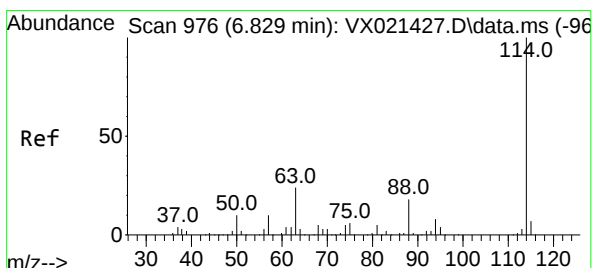
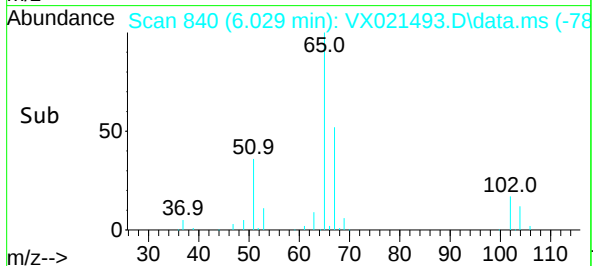
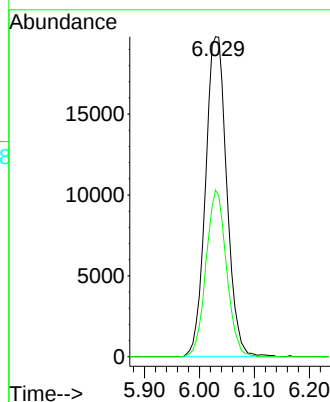
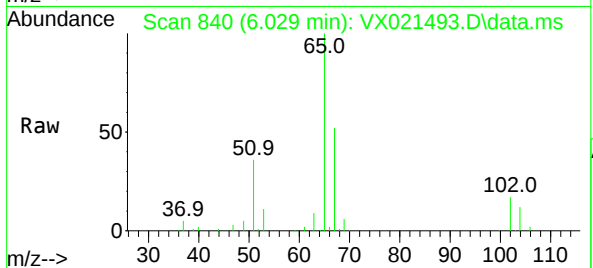
65 100

67 50.0 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021493.D

Acq: 25 Mar 2021 17:52

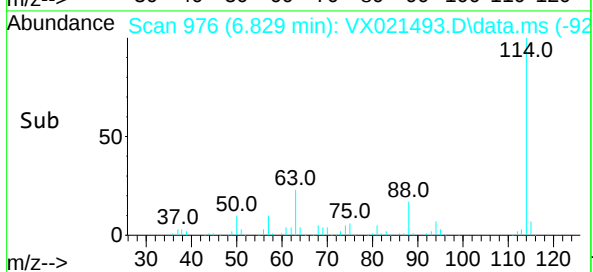
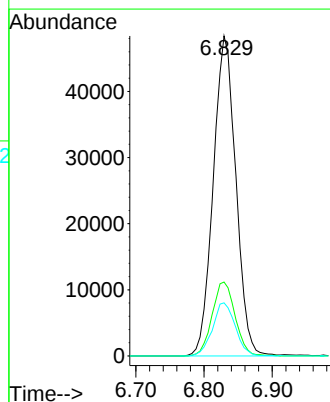
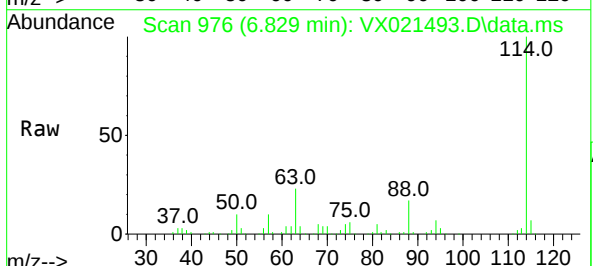
Tgt Ion: 114 Resp: 111831

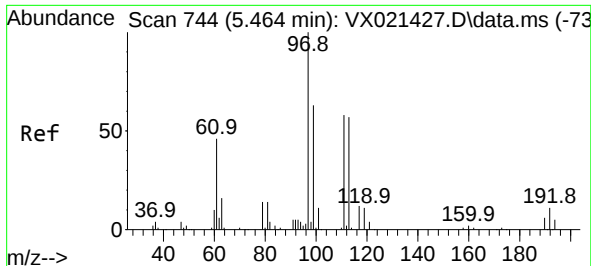
Ion Ratio Lower Upper

114 100

63 23.1 0.0 40.8

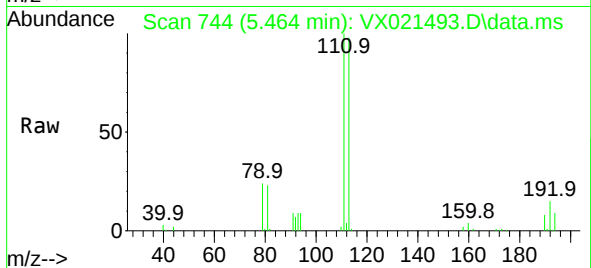
88 16.6 0.0 32.8



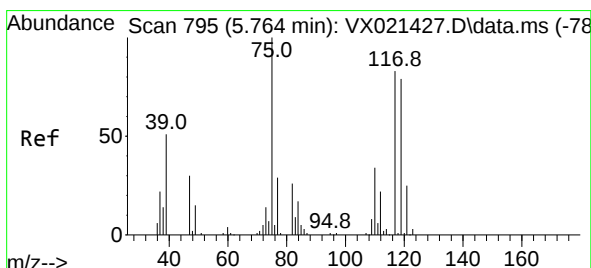
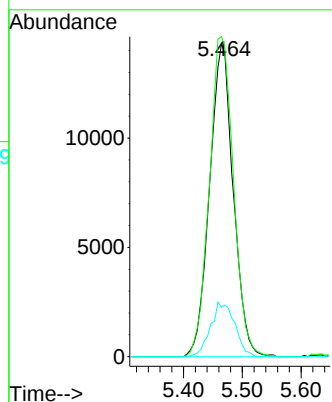
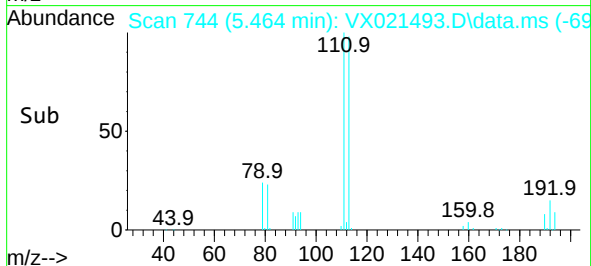


#35
Dibromofluoromethane
Concen: 50.29 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

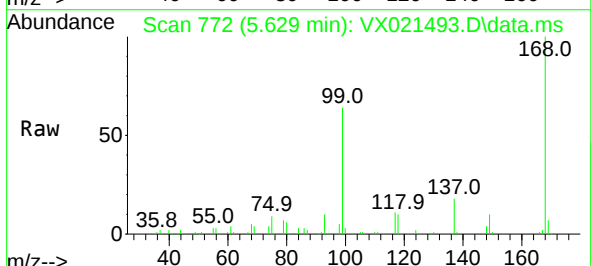
Instrument :
MSVOA_X
ClientSampled :



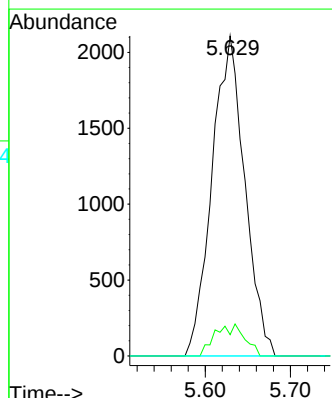
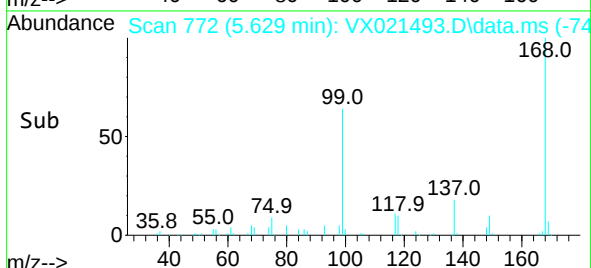
Tgt Ion:113 Resp: 39950
Ion Ratio Lower Upper
113 100
111 104.7 81.9 122.9
192 17.8 16.7 25.1

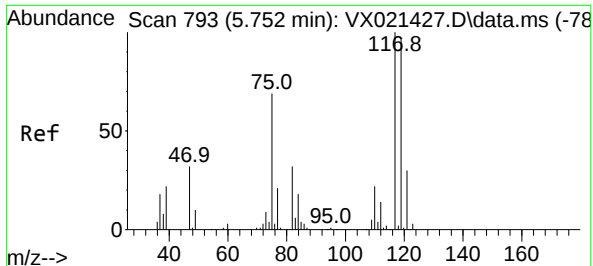


#36
1,1-Dichloropropene
Concen: 5.14 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52



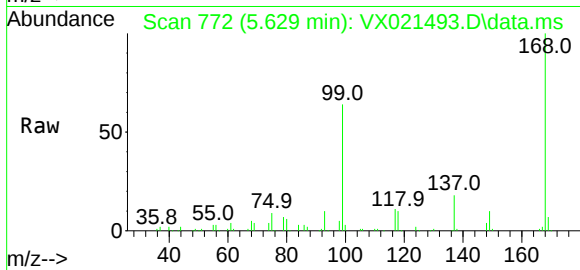
Tgt Ion: 75 Resp: 5627
Ion Ratio Lower Upper
75 100
110 5.1 18.1 54.4#
77 0.0 25.3 37.9#



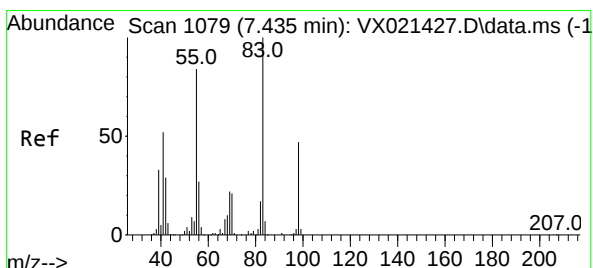
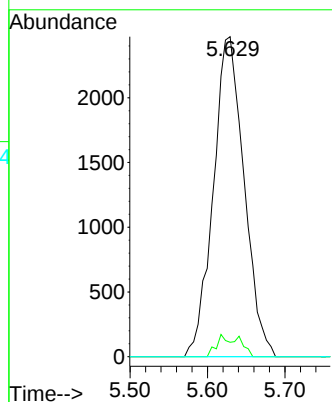
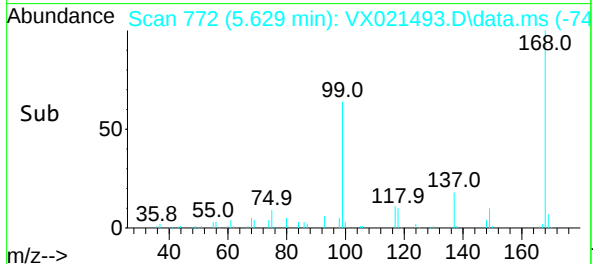


#38
Carbon Tetrachloride
Concen: 5.81 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

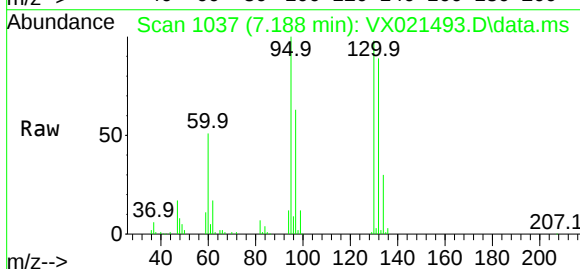
Instrument :
MSVOA_X
ClientSampled :



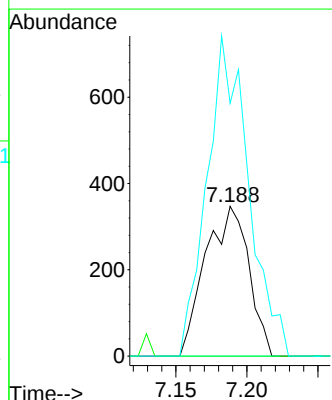
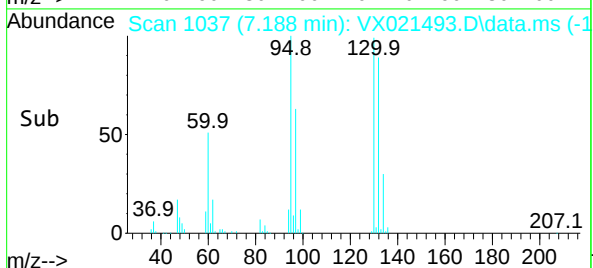
Tgt Ion:117 Resp: 6841
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#

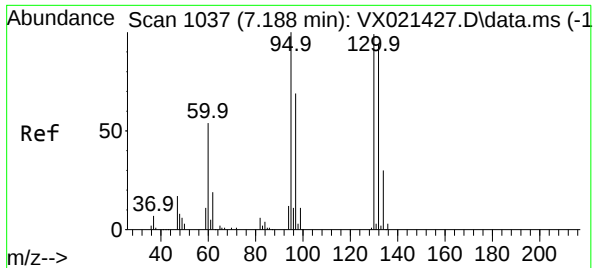


#39
Methylcyclohexane
Concen: 0.61 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52



Tgt Ion: 83 Resp: 737
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 141.2 38.1 57.1#

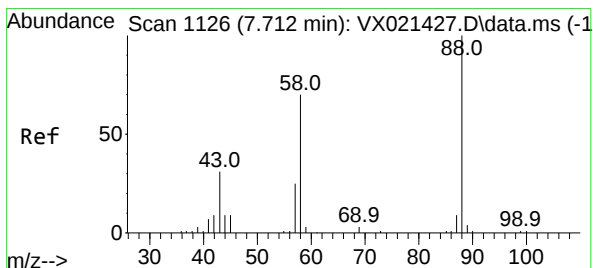
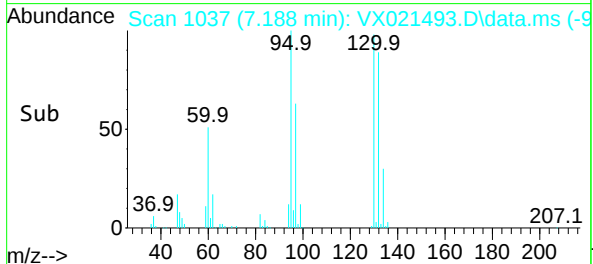
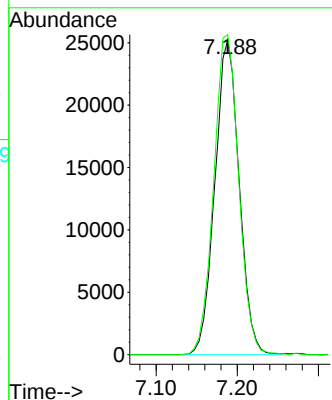
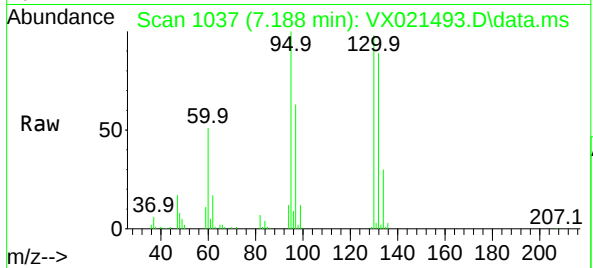




#44
Trichloroethene
Concen: 63.91 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

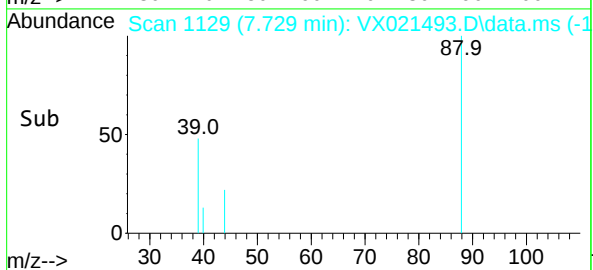
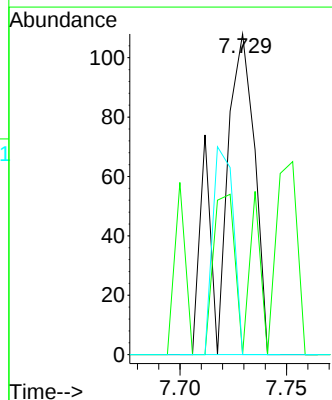
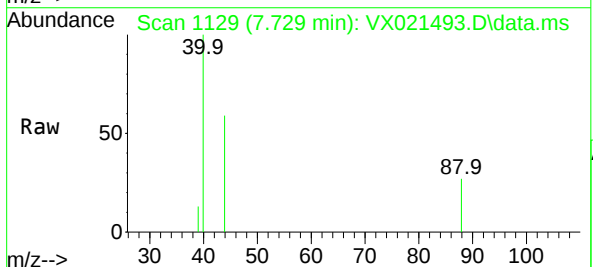
Instrument :
MSVOA_X
ClientSampled :

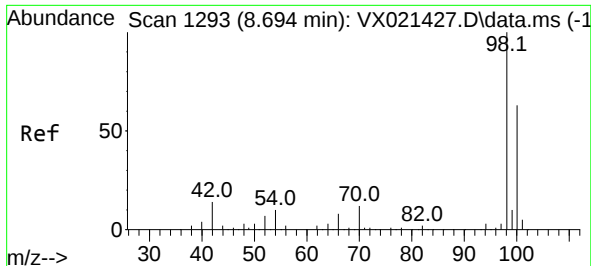
Tgt Ion:130 Resp: 52474
Ion Ratio Lower Upper
130 100
95 101.7 0.0 198.0



#49
1,4-Dioxane
Concen: 6.01 ug/l
RT: 7.729 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 31.4 23.2 34.8
58 39.8 55.0 82.4#





#50

Toluene-d8

Concen: 50.84 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. 0.000 min

Lab File: VX021493.D

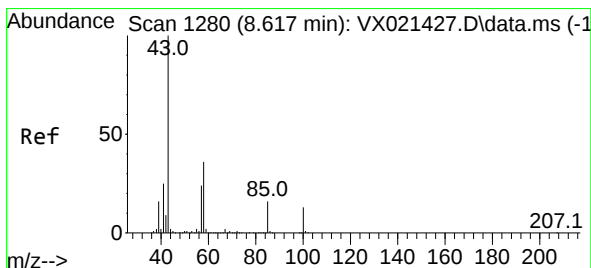
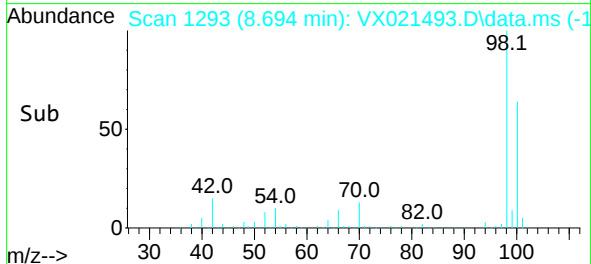
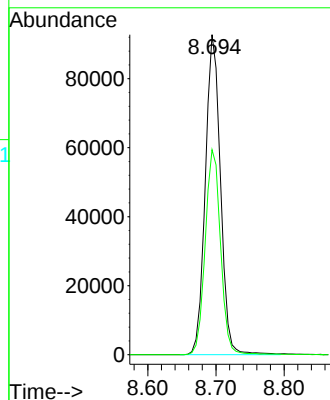
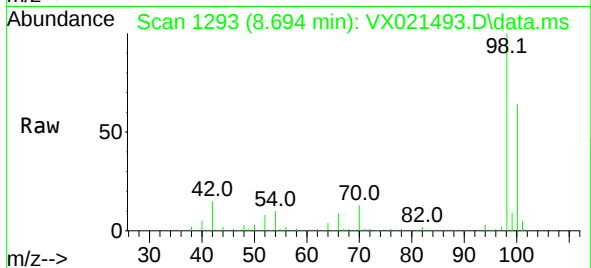
Acq: 25 Mar 2021 17:52

Tgt Ion: 98 Resp: 143920

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.66 ug/l

RT: 8.700 min Scan# 1294

Delta R.T. 0.083 min

Lab File: VX021493.D

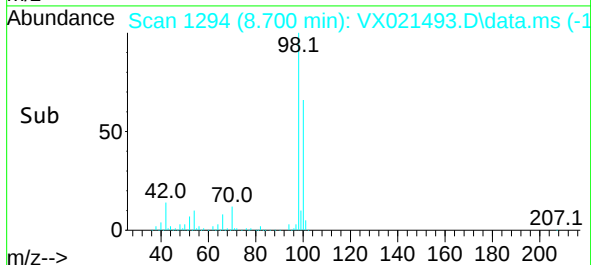
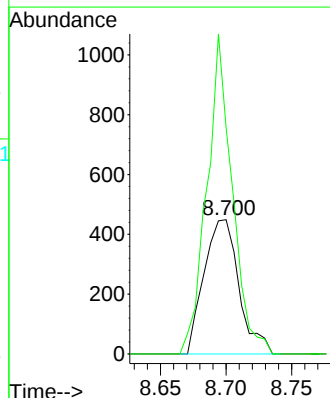
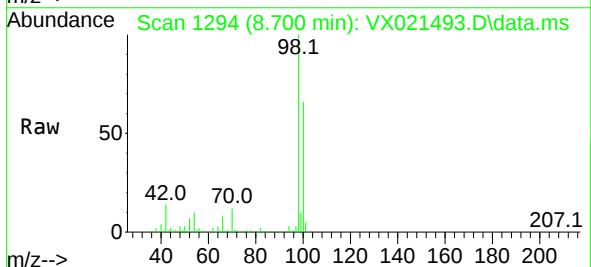
Acq: 25 Mar 2021 17:52

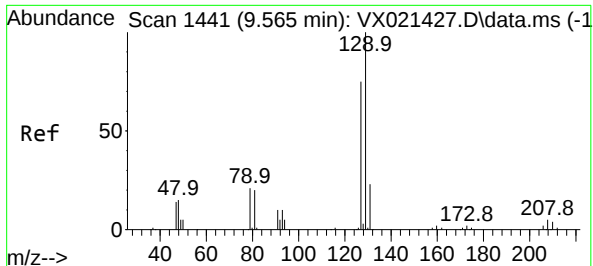
Tgt Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 174.1 35.4 53.0#

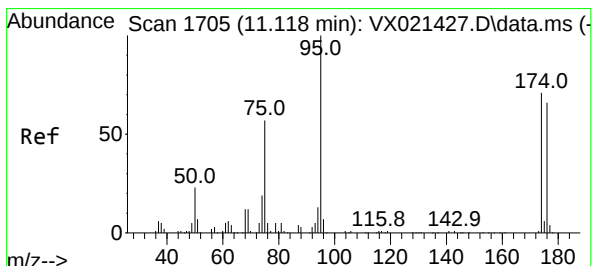
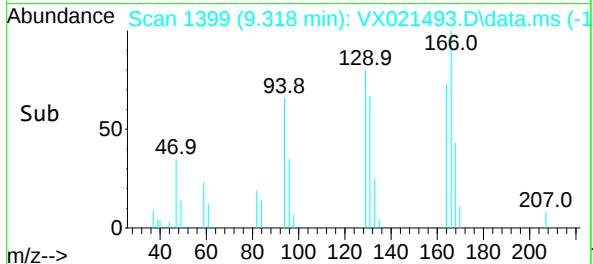
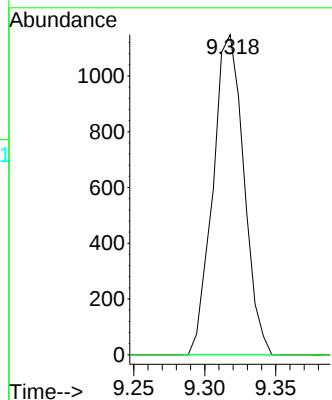
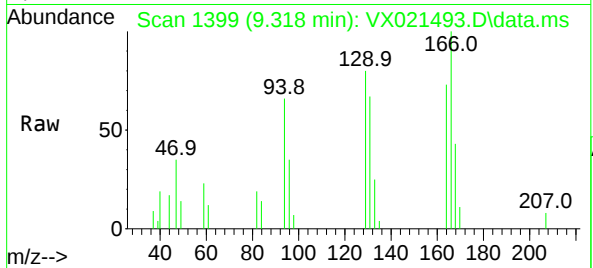




#60
Dibromochloromethane
Concen: 1.91 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

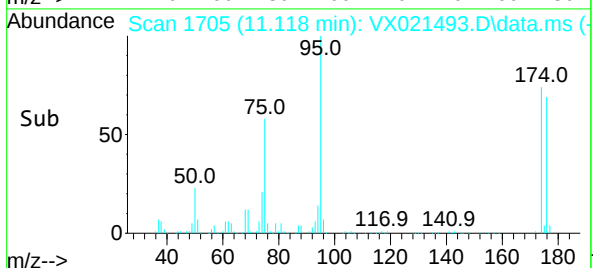
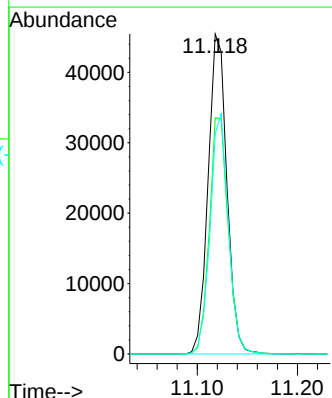
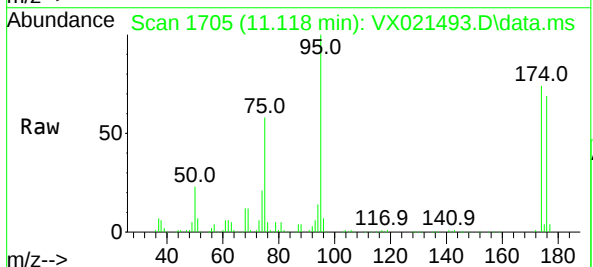
Instrument :
MSVOA_X
ClientSampled :

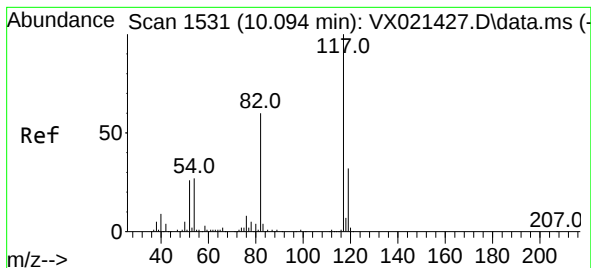
Tgt Ion:129 Resp: 1737
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.75 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion: 95 Resp: 59149
Ion Ratio Lower Upper
95 100
174 74.8 0.0 154.6
176 72.8 0.0 155.8

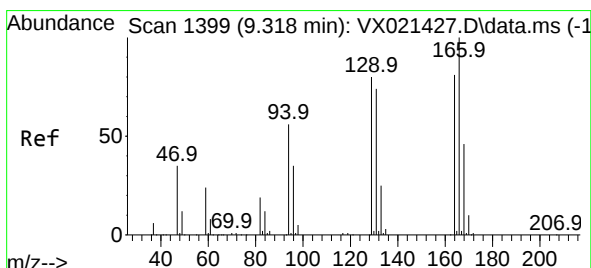
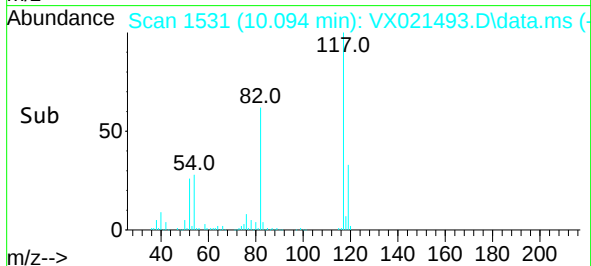
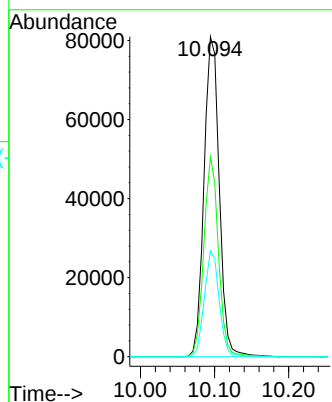
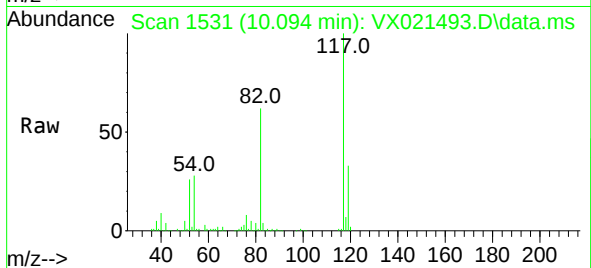




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

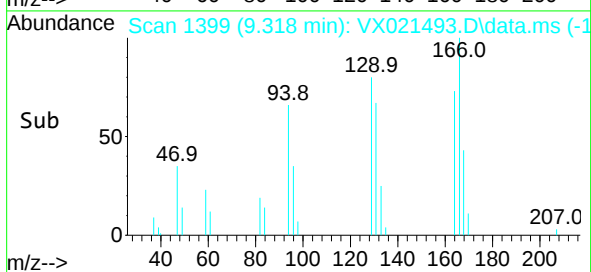
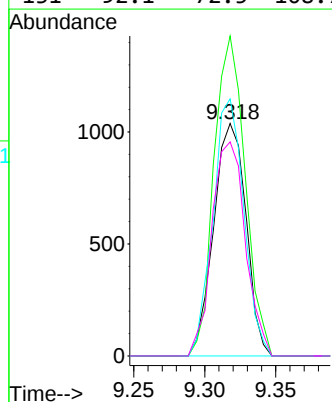
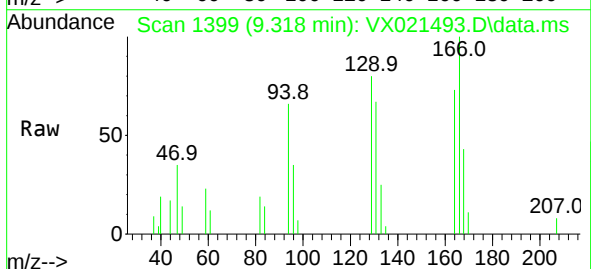
Instrument :
MSVOA_X
ClientSampled :

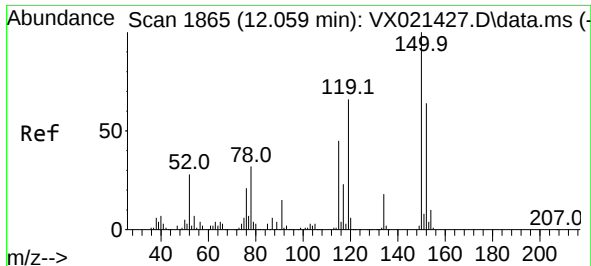
Tgt Ion:117 Resp: 115960
Ion Ratio Lower Upper
117 100
82 62.4 47.4 71.2
119 33.0 26.6 39.8



#64
Tetrachloroethene
Concen: 2.11 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

Tgt Ion:164 Resp: 1641
Ion Ratio Lower Upper
164 100
166 137.7 103.4 155.2
129 110.6 70.8 106.2#
131 92.1 72.5 108.7

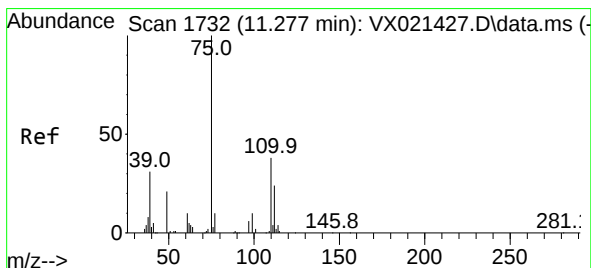
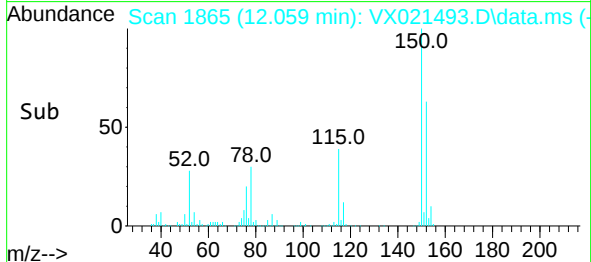
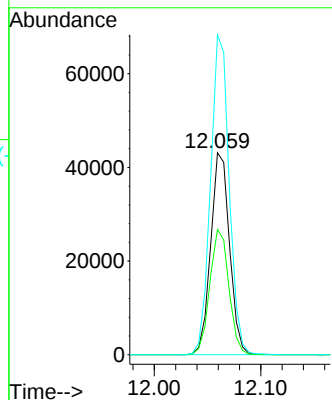
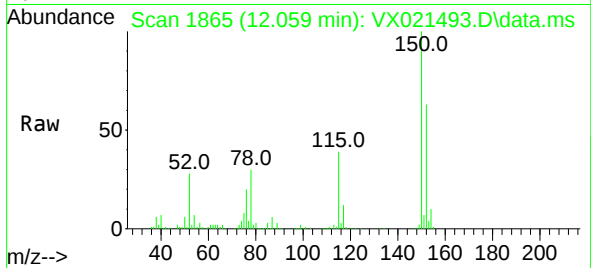




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

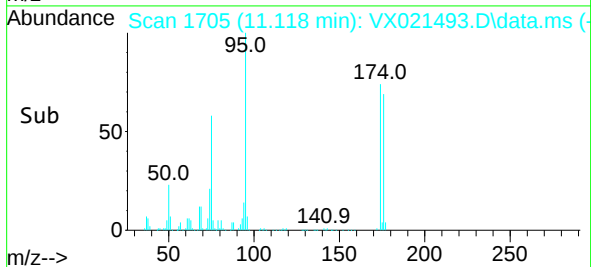
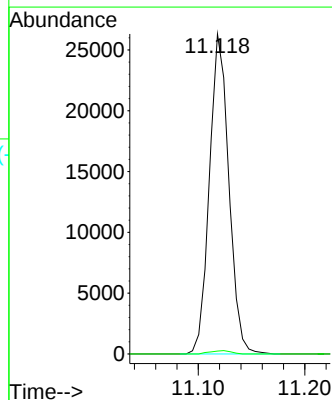
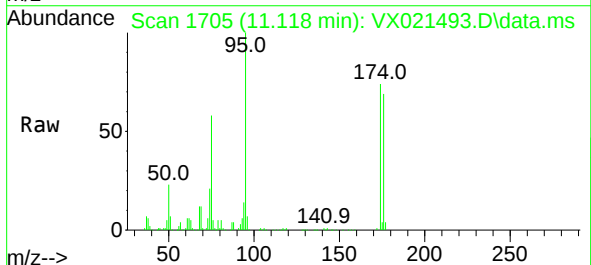
Instrument :
MSVOA_X
ClientSampleId :

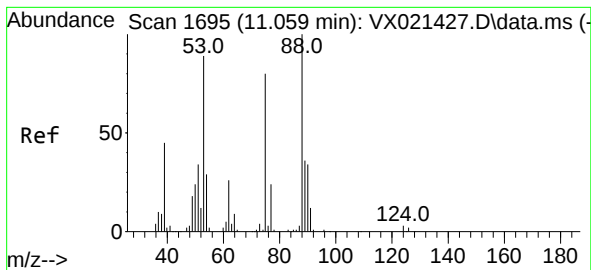
Tgt Ion:152 Resp: 52923
Ion Ratio Lower Upper
152 100
115 62.5 41.1 123.3
150 156.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 27.06 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021493.D
Acq: 25 Mar 2021 17:52

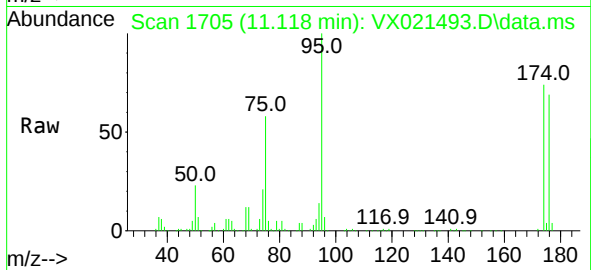
Tgt Ion: 75 Resp: 33344
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.44 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021493.D
 Acq: 25 Mar 2021 17:52

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33344
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

