

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032921\
 Data File : VX021577.D
 Acq On : 29 Mar 2021 15:16
 Operator : JC/MD
 Sample : M1787-17DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 30 03:28:26 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)

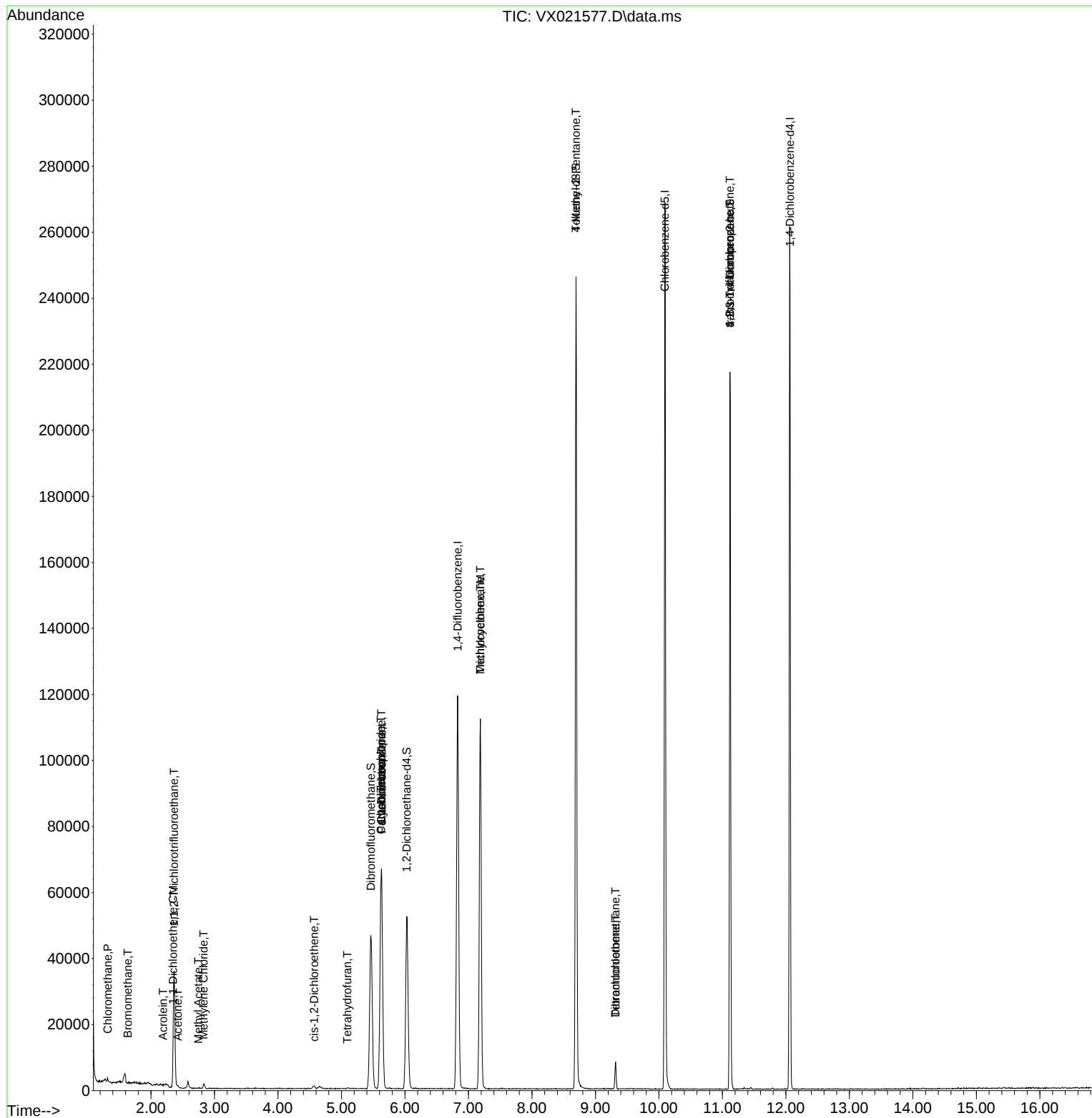
Internal Standards						
1) Pentafluorobenzene	5.635	168	56661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	110424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	48953	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51484	54.61	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.22%	
35) Dibromofluoromethane	5.464	113	39406	51.57	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.14%	
50) Toluene-d8	8.694	98	135920	49.92	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.84%	
62) 4-Bromofluorobenzene	11.118	95	56025	52.92	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.84%	
Target Compounds						
						Qvalue
3) Chloromethane	1.317	50	1311	1.87	ug/l	99
5) Bromomethane	1.634	94	59	0.23	ug/l #	2
9) 1,1,2-Trichlorotrifluo...	2.364	101	13150	22.55	ug/l	97
12) 1,1-Dichloroethene	2.346	96	234	0.41	ug/l #	38
13) Acrolein	2.187	56	19	4.54	ug/l #	64
16) Acetone	2.423	43	724	2.03	ug/l #	85
18) Methyl Acetate	2.746	43	253	0.25	ug/l #	47
20) Methylene Chloride	2.829	84	527	0.76	ug/l #	93
27) cis-1,2-Dichloroethene	4.570	96	559	0.77	ug/l	88
29) Tetrahydrofuran	5.093	42	113	0.32	ug/l #	27
31) Cyclohexane	5.629	56	1717	1.66	ug/l #	41
36) 1,1-Dichloropropene	5.629	75	5198	4.93	ug/l #	48
38) Carbon Tetrachloride	5.623	117	6722	5.93	ug/l #	17
39) Methylcyclohexane	7.188	83	617	0.53	ug/l #	1
44) Trichloroethene	7.188	130	38956	49.32	ug/l	95
51) 4-Methyl-2-Pentanone	8.694	43	769	0.63	ug/l #	1
60) Dibromochloromethane	9.318	129	1409	1.61	ug/l #	11
64) Tetrachloroethene	9.318	164	1439	1.95	ug/l	92
76) 1,2,3-Trichloropropane	11.118	75	31502	27.64	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	31502	84.20	ug/l #	12

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

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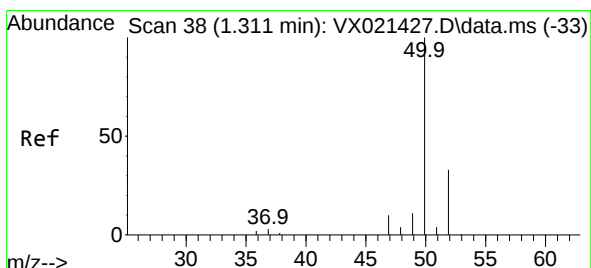
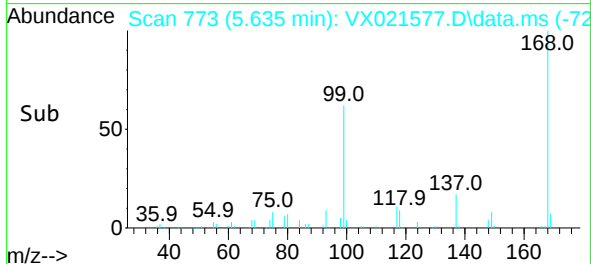
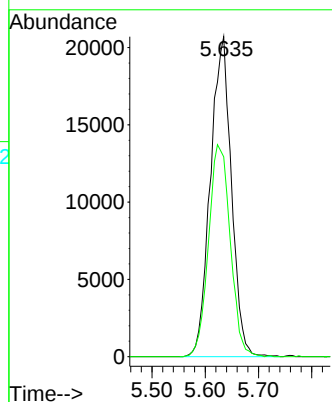
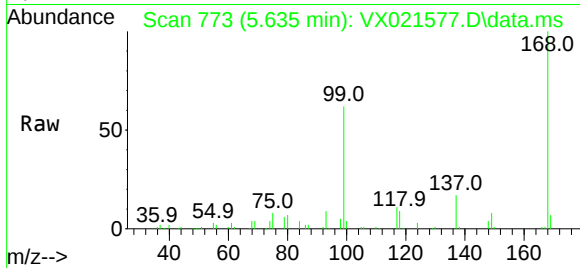




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

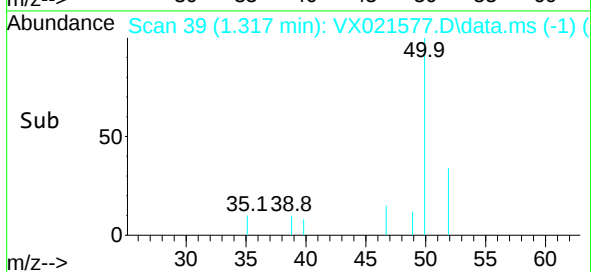
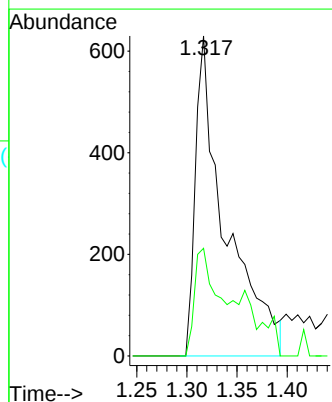
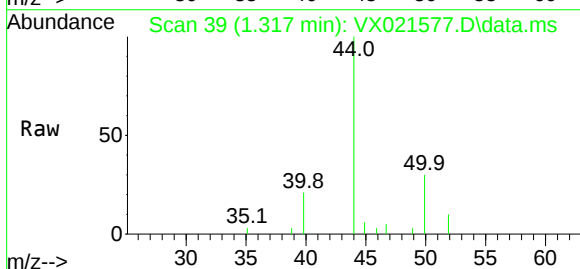
Instrument :
MSVOA_X
ClientSampleId :

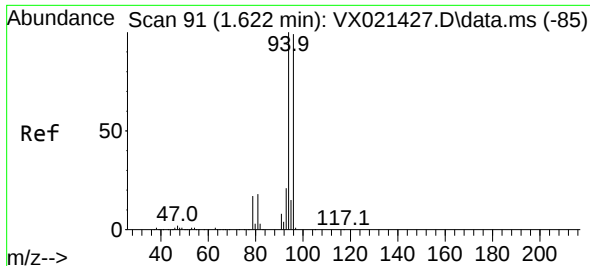
Tgt Ion:168 Resp: 56661
Ion Ratio Lower Upper
168 100
99 62.4 45.8 68.6



#3
Chloromethane
Concen: 1.87 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 50 Resp: 1311
Ion Ratio Lower Upper
50 100
52 33.7 26.4 39.6

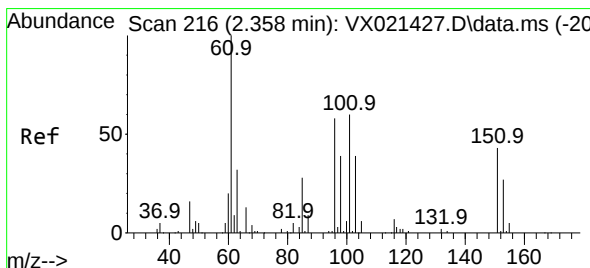
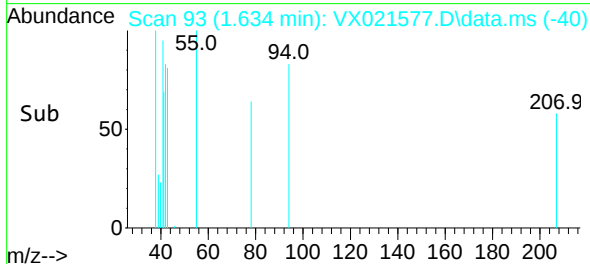
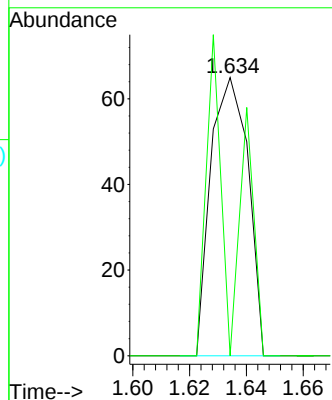
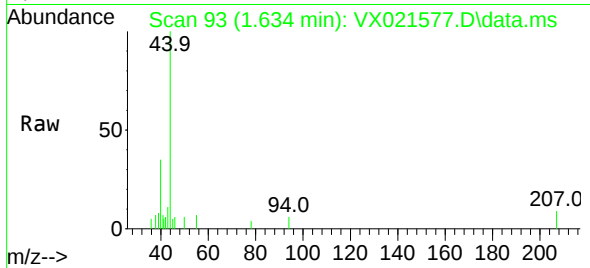




#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

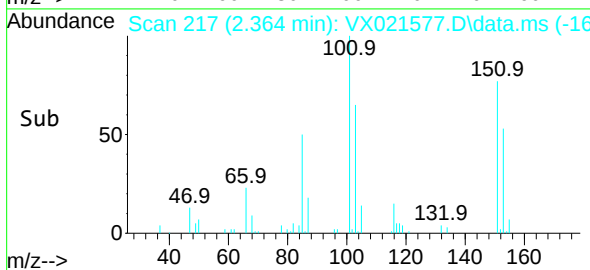
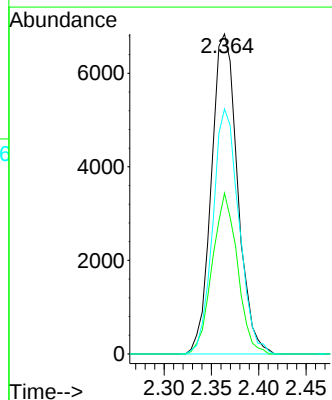
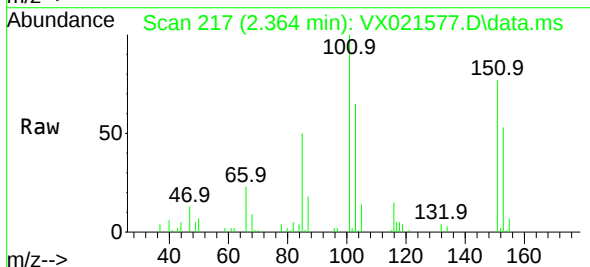
Instrument :
MSVOA_X
ClientSampled :

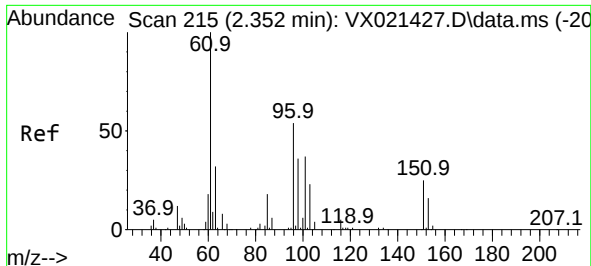
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.55 ug/l
RT: 2.364 min Scan# 217
Delta R.T. 0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 101 Resp: 13150
Ion Ratio Lower Upper
101 100
85 48.2 34.9 52.3
151 76.5 61.4 92.2

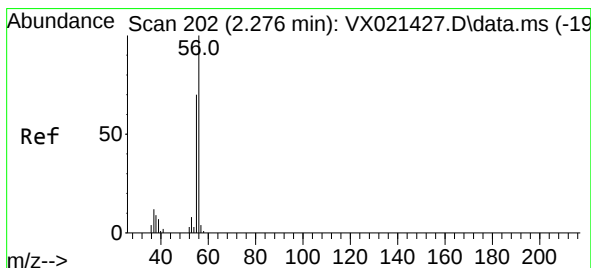
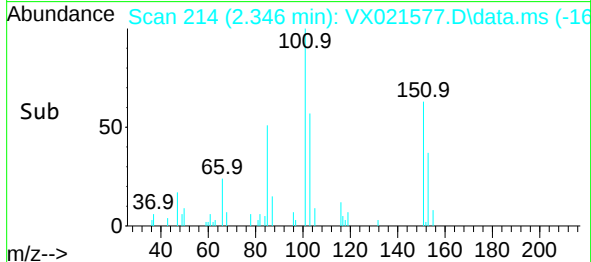
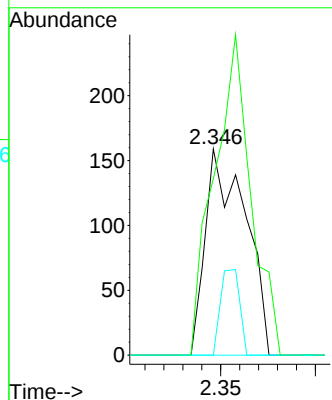
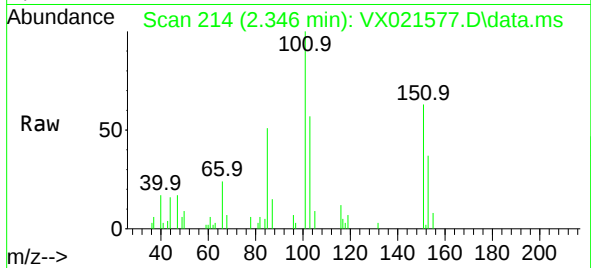




#12
1,1-Dichloroethene
Concen: 0.41 ug/l
RT: 2.346 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

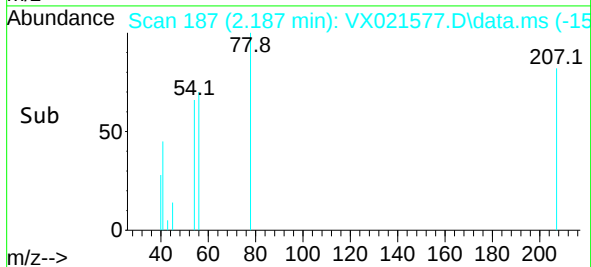
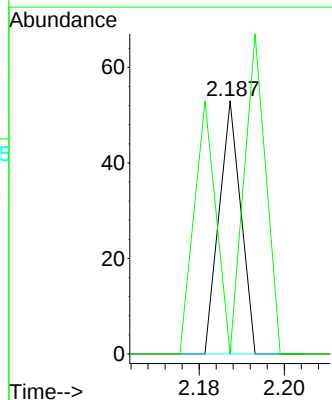
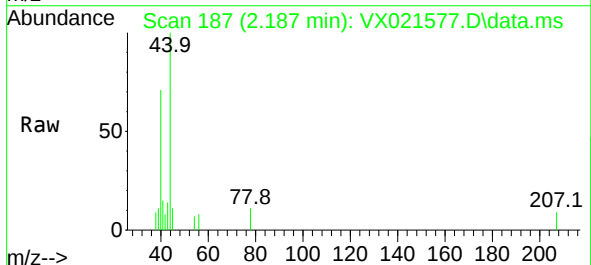
Instrument :
MSVOA_X
ClientSampled :

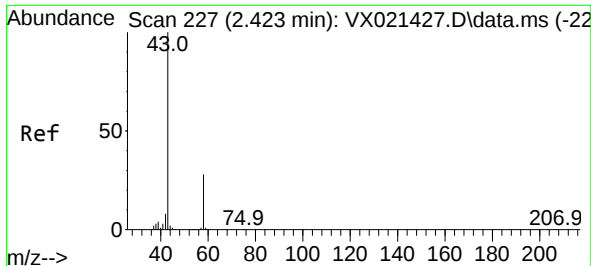
Tgt Ion: 96 Resp: 234
Ion Ratio Lower Upper
96 100
61 85.5 124.6 187.0#
98 0.0 50.6 76.0#



#13
Acrolein
Concen: 4.54 ug/l
RT: 2.187 min Scan# 187
Delta R.T. -0.089 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 100.0 56.4 84.6#

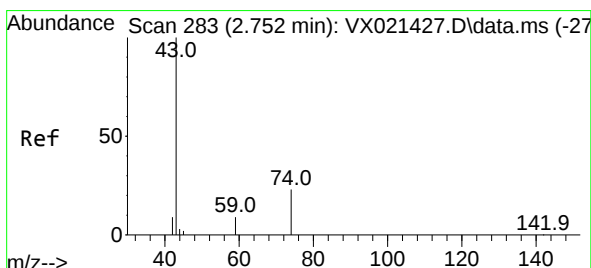
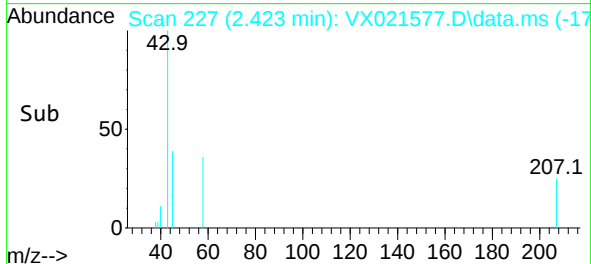
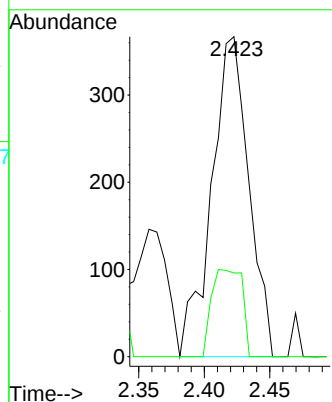
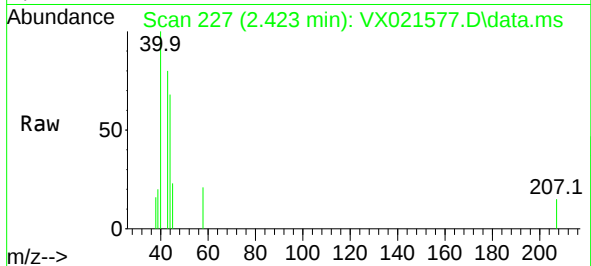




#16
Acetone
Concen: 2.03 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

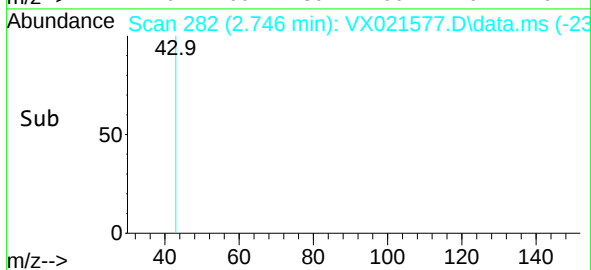
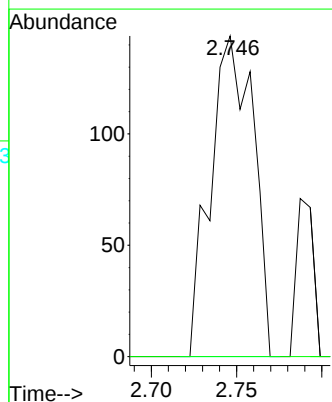
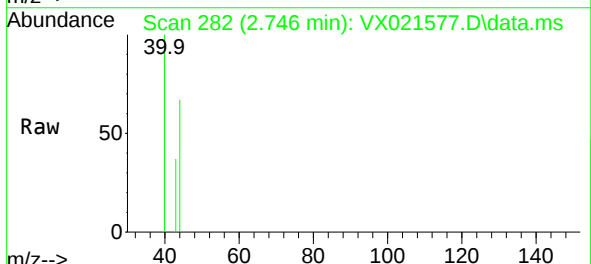
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 724
Ion Ratio Lower Upper
43 100
58 26.2 27.8 41.8#



#18
Methyl Acetate
Concen: 0.25 ug/l
RT: 2.746 min Scan# 282
Delta R.T. -0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 43 Resp: 253
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.76 ug/l

RT: 2.829 min Scan# 296

Delta R.T. -0.006 min

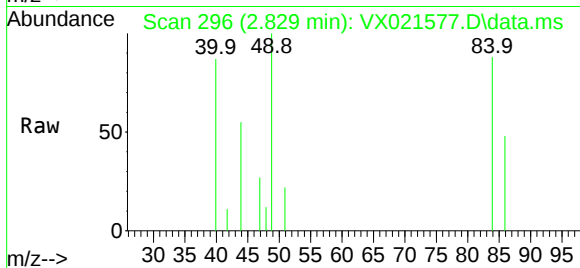
Lab File: VX021577.D

Acq: 29 Mar 2021 15:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 527

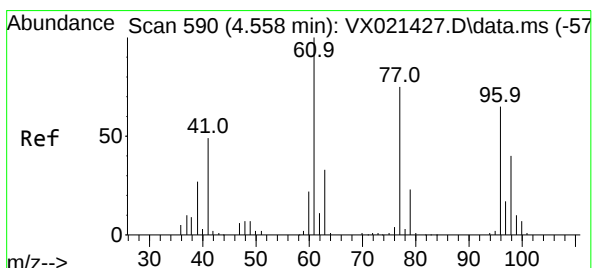
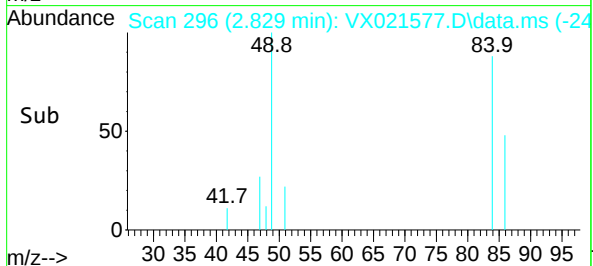
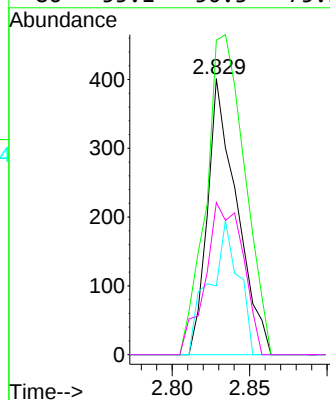
Ion Ratio Lower Upper

84 100

49 114.0 88.6 132.8

51 24.9 27.0 40.6#

86 55.1 50.3 75.5



#27

cis-1,2-Dichloroethene

Concen: 0.77 ug/l

RT: 4.570 min Scan# 592

Delta R.T. 0.012 min

Lab File: VX021577.D

Acq: 29 Mar 2021 15:16

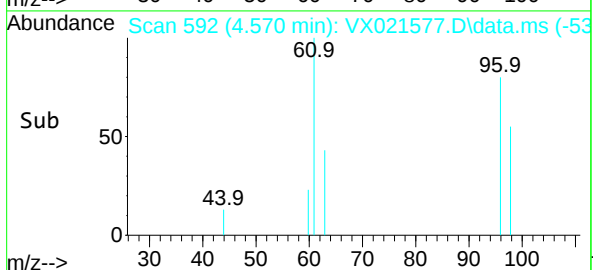
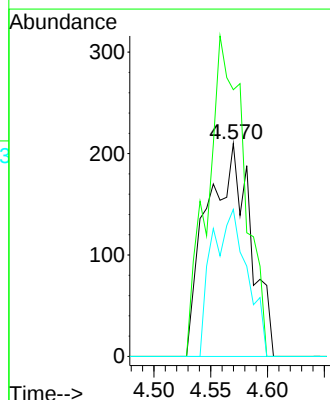
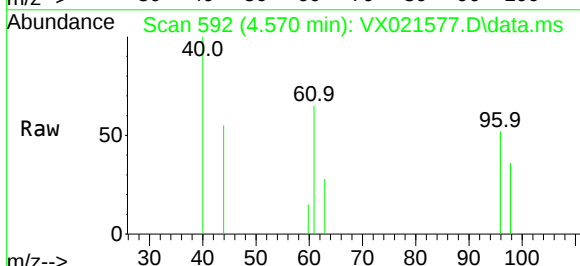
Tgt Ion: 96 Resp: 559

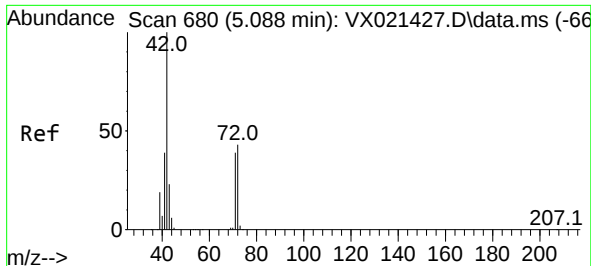
Ion Ratio Lower Upper

96 100

61 127.9 0.0 285.6

98 56.2 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.32 ug/l

RT: 5.093 min Scan# 681

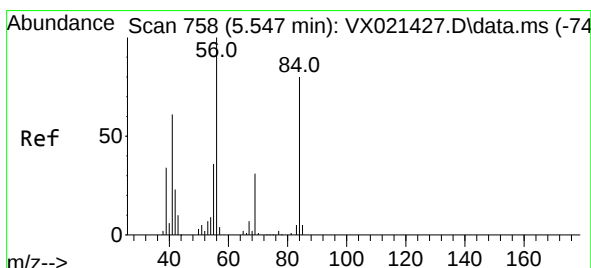
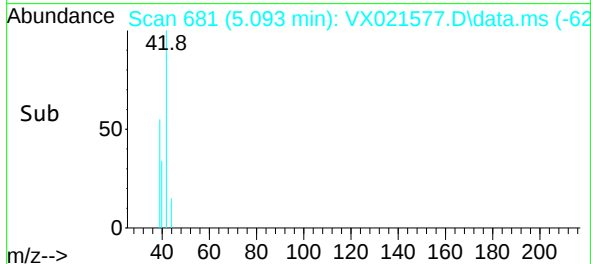
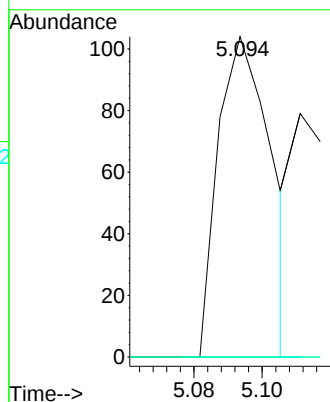
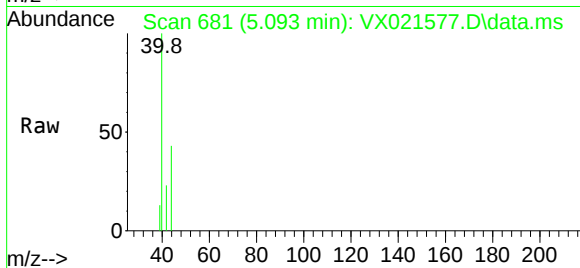
Delta R.T. 0.005 min

Lab File: VX021577.D

Acq: 29 Mar 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 42	Resp: 113
Ion Ratio	Lower Upper
42 100	
72 0.0	41.7 62.5#
71 0.0	38.4 57.6#



#31

Cyclohexane

Concen: 1.66 ug/l

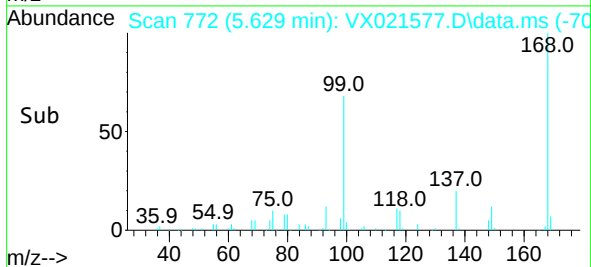
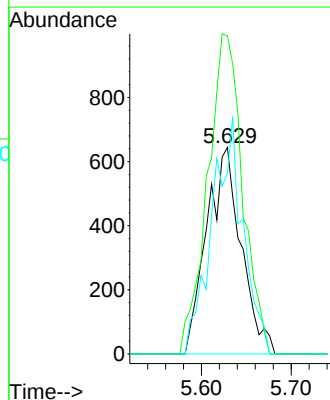
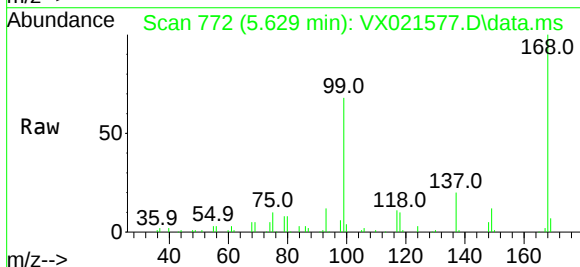
RT: 5.629 min Scan# 772

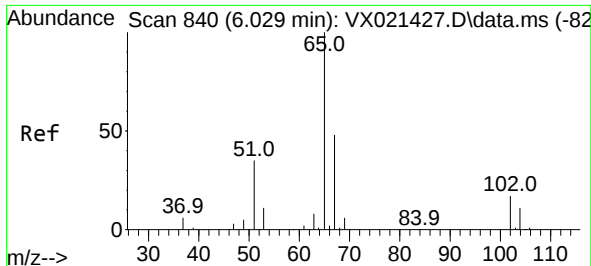
Delta R.T. 0.082 min

Lab File: VX021577.D

Acq: 29 Mar 2021 15:16

Tgt Ion: 56	Resp: 1717
Ion Ratio	Lower Upper
56 100	
69 154.0	25.3 37.9#
84 87.4	71.4 107.0

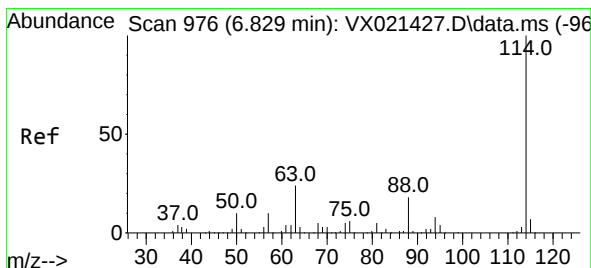
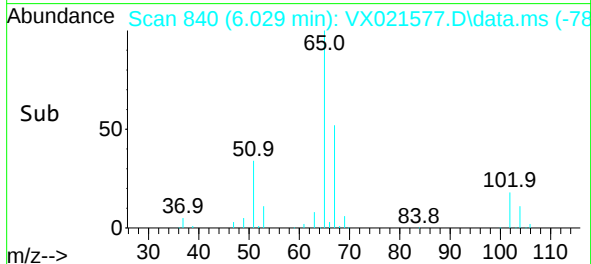
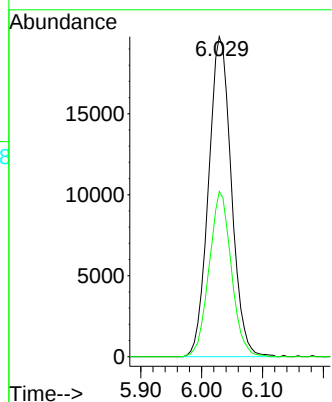
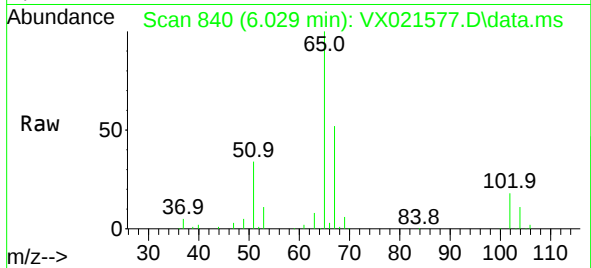




#33
 1,2-Dichloroethane-d4
 Concen: 54.61 ug/l
 RT: 6.029 min Scan# 840
 Delta R.T. -0.000 min
 Lab File: VX021577.D
 Acq: 29 Mar 2021 15:16

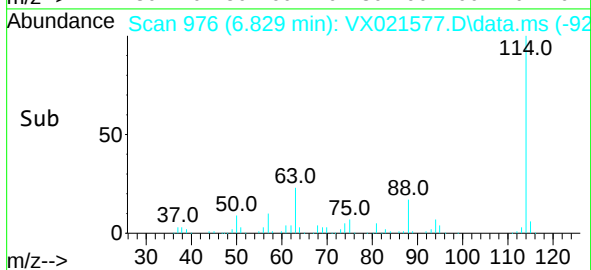
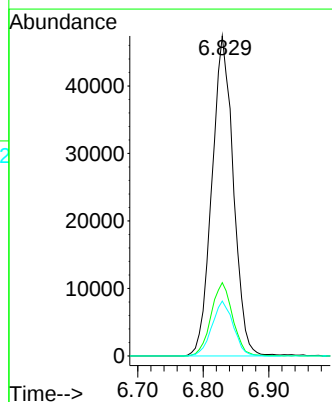
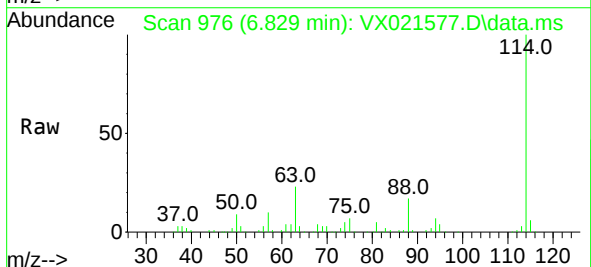
Instrument :
 MSVOA_X
 ClientSampleId :

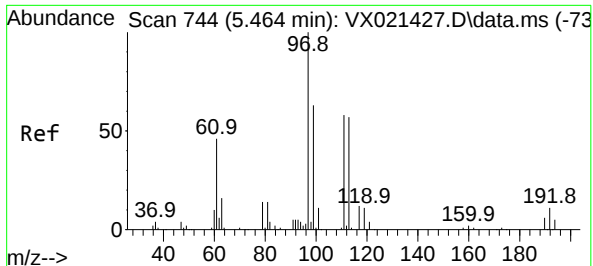
Tgt Ion: 65 Resp: 51484
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.829 min Scan# 976
 Delta R.T. 0.000 min
 Lab File: VX021577.D
 Acq: 29 Mar 2021 15:16

Tgt Ion: 114 Resp: 107573
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 40.8
 88 17.2 0.0 32.8

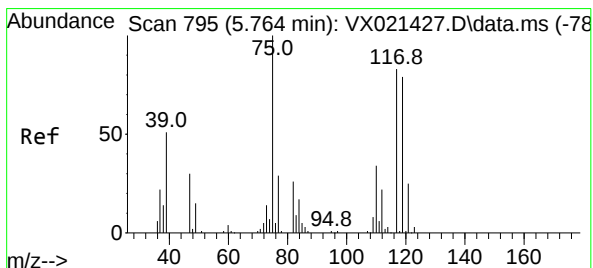
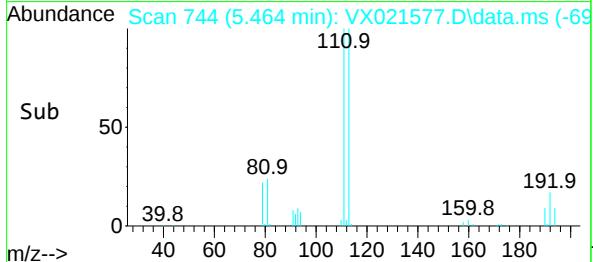
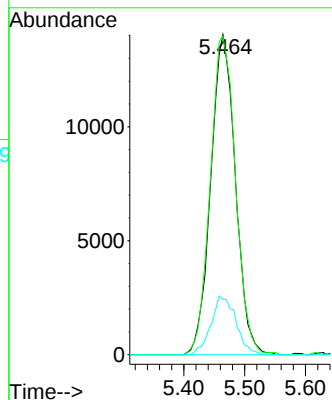
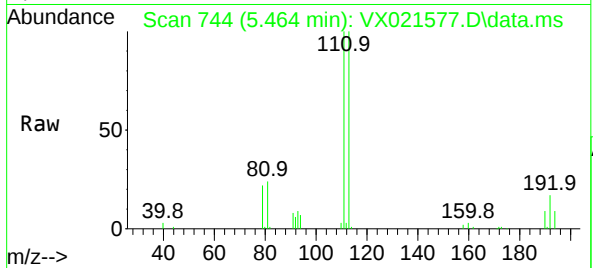




#35
Dibromofluoromethane
Concen: 51.57 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

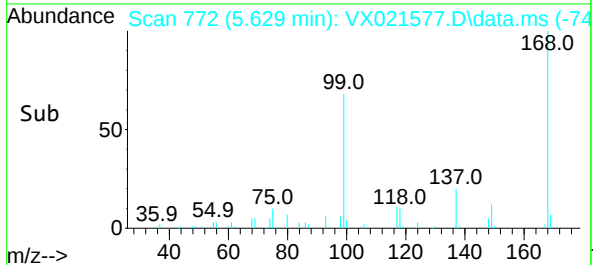
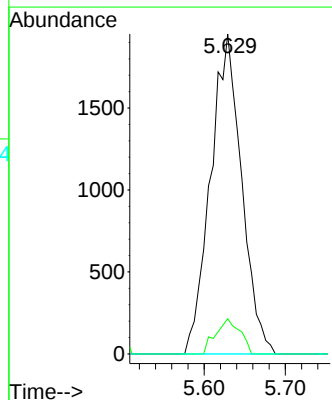
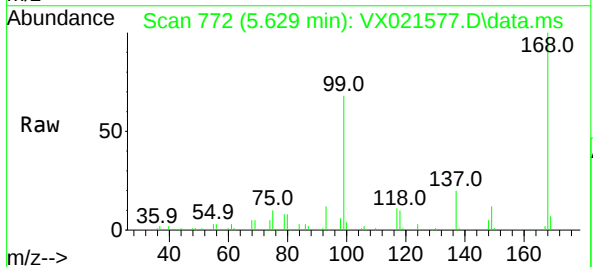
Instrument :
MSVOA_X
ClientSampled :

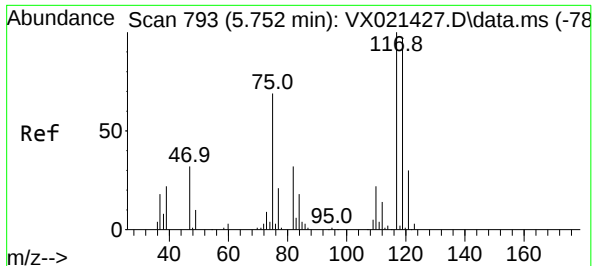
Tgt Ion:113 Resp: 39406
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 18.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

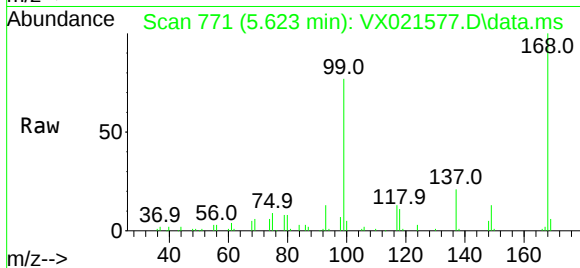
Tgt Ion: 75 Resp: 5198
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.4#
77 0.0 25.3 37.9#



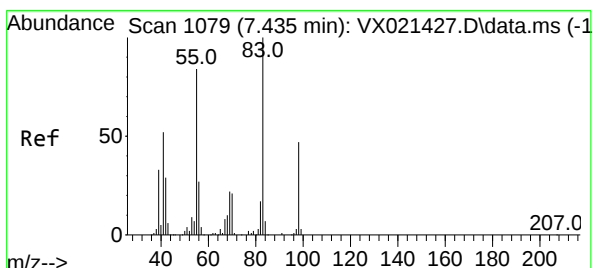
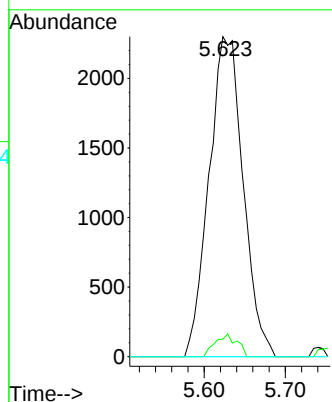
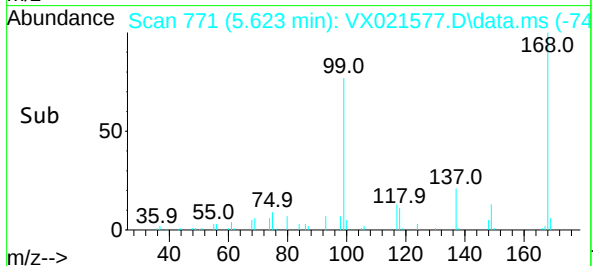


#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

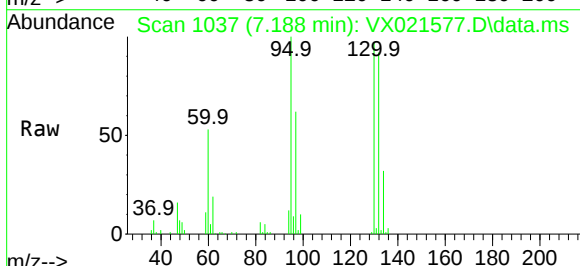
Instrument :
MSVOA_X
ClientSampleId :



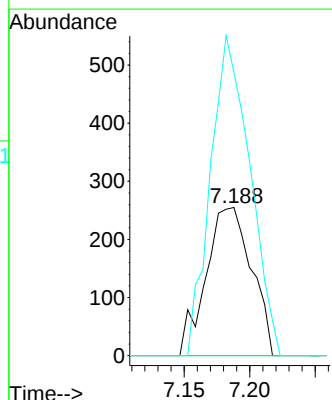
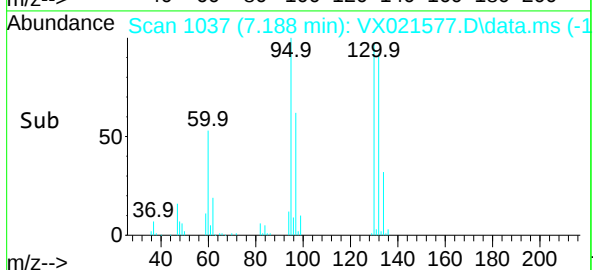
Tgt Ion:117 Resp: 6722
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.8 37.2#

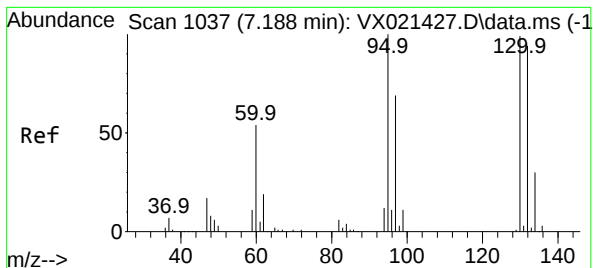


#39
Methylcyclohexane
Concen: 0.53 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.247 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16



Tgt Ion: 83 Resp: 617
Ion Ratio Lower Upper
83 100
55 0.0 58.9 88.3#
98 191.0 38.1 57.1#





#44

Trichloroethene

Concen: 49.32 ug/l

RT: 7.188 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VX021577.D

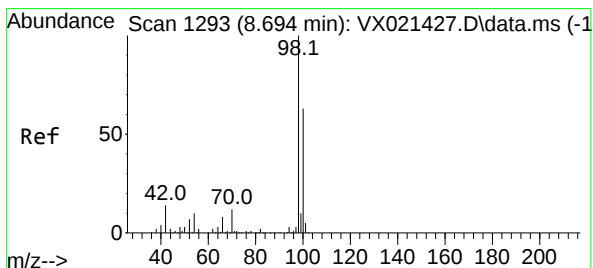
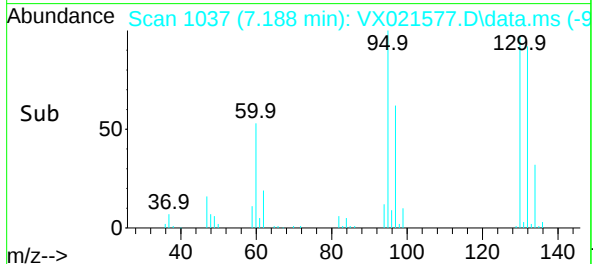
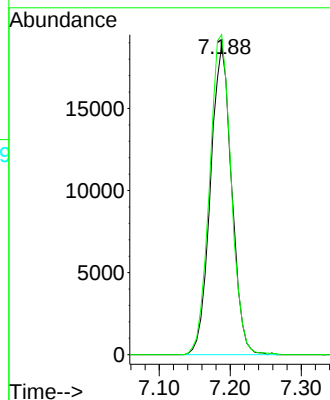
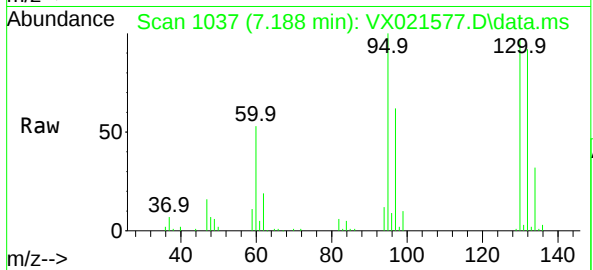
Acq: 29 Mar 2021 15:16

Tgt Ion:130 Resp: 38956

Ion Ratio Lower Upper

130 100

95 103.5 0.0 198.0



#50

Toluene-d8

Concen: 49.92 ug/l

RT: 8.694 min Scan# 1293

Delta R.T. -0.000 min

Lab File: VX021577.D

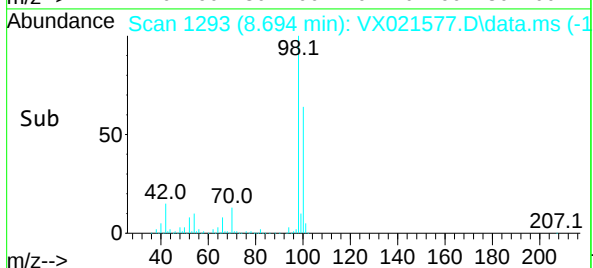
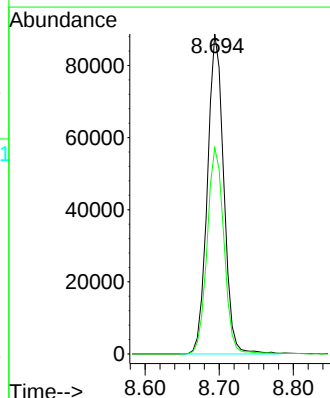
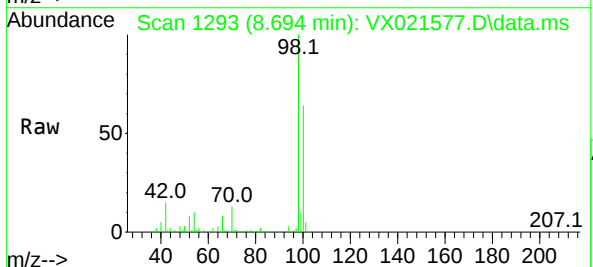
Acq: 29 Mar 2021 15:16

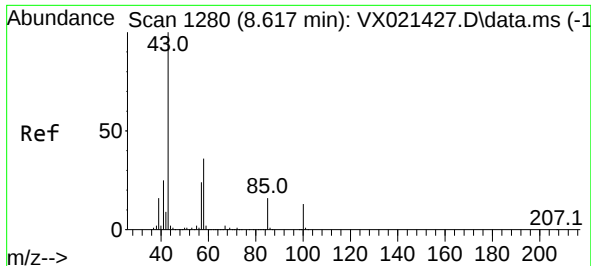
Tgt Ion: 98 Resp: 135920

Ion Ratio Lower Upper

98 100

100 66.4 51.9 77.9

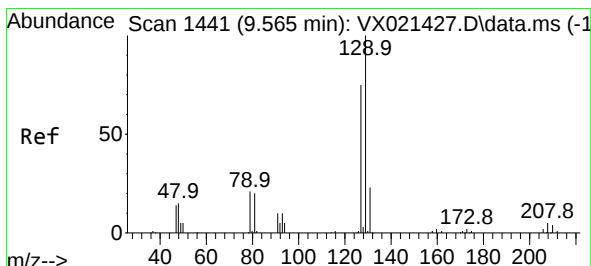
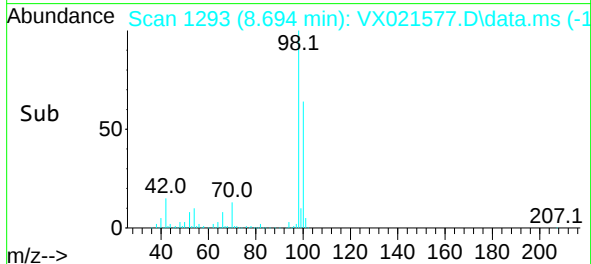
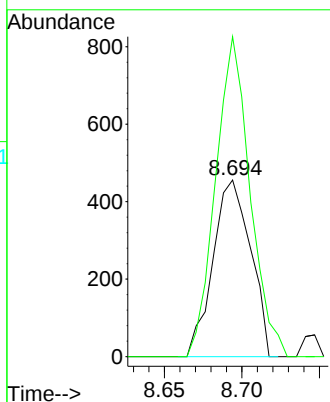
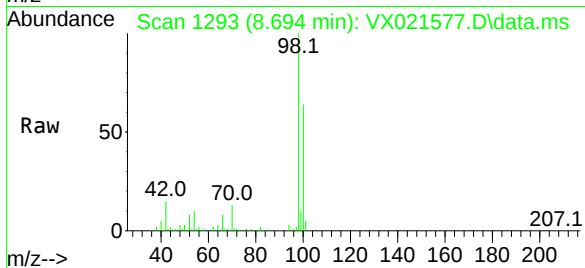




#51
4-Methyl-2-Pentanone
Concen: 0.63 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.077 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

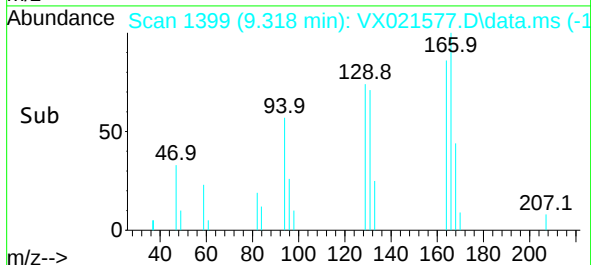
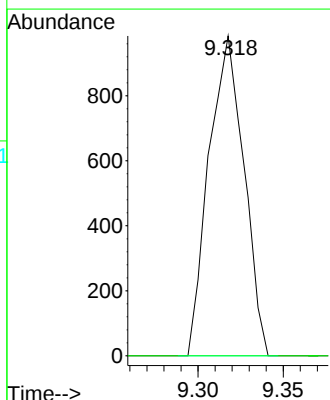
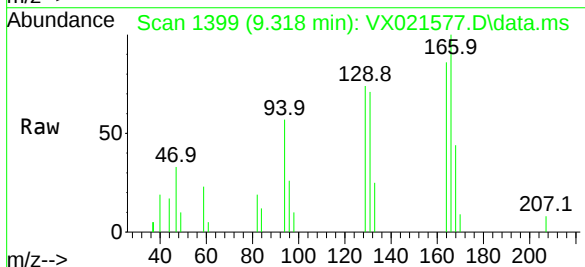
Instrument :
MSVOA_X
ClientSampled :

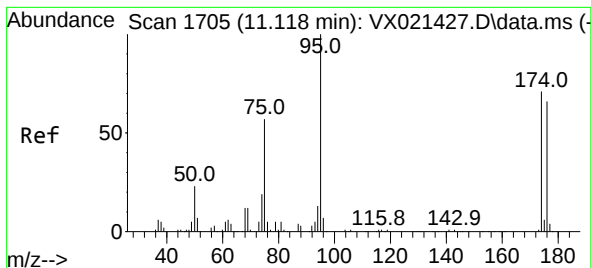
Tgt Ion: 43 Resp: 769
Ion Ratio Lower Upper
43 100
58 165.7 35.4 53.0#



#60
Dibromochloromethane
Concen: 1.61 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 129 Resp: 1409
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

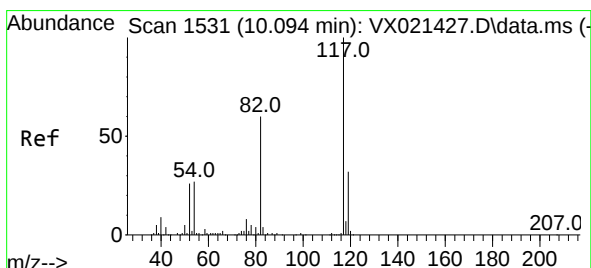
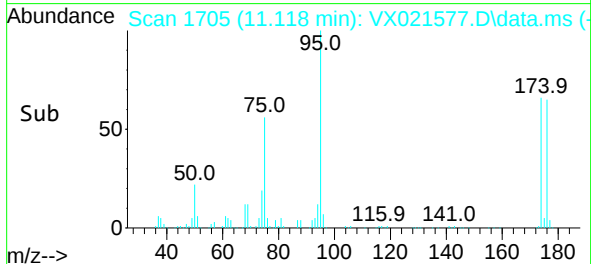
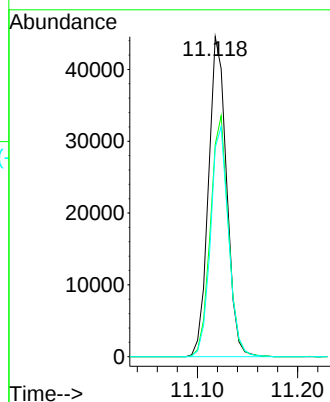
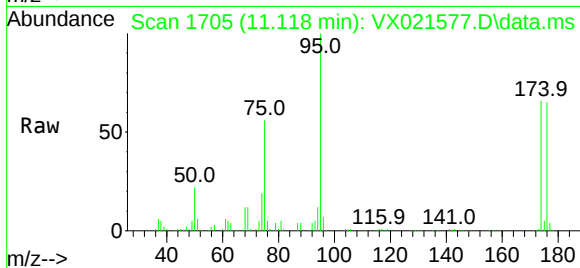




#62
4-Bromofluorobenzene
Concen: 52.92 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

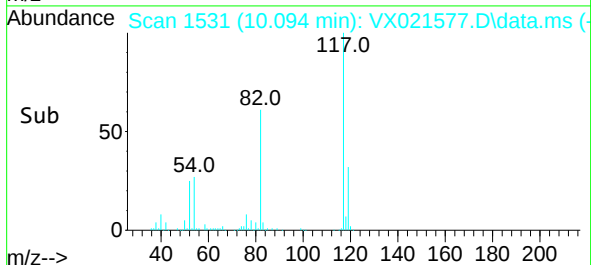
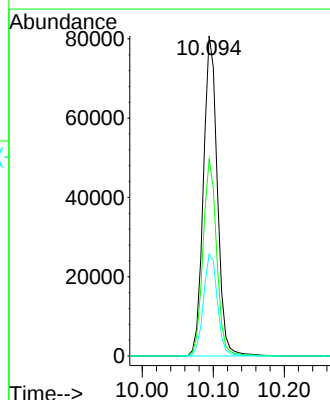
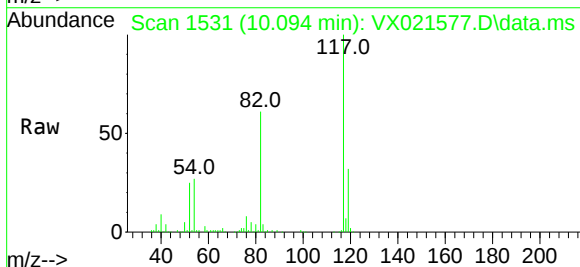
Instrument :
MSVOA_X
ClientSampleId :

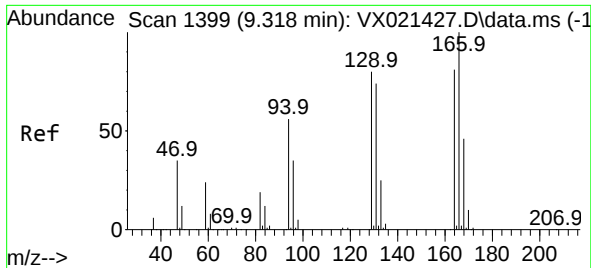
Tgt Ion: 95 Resp: 56025
Ion Ratio Lower Upper
95 100
174 74.6 0.0 154.6
176 71.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

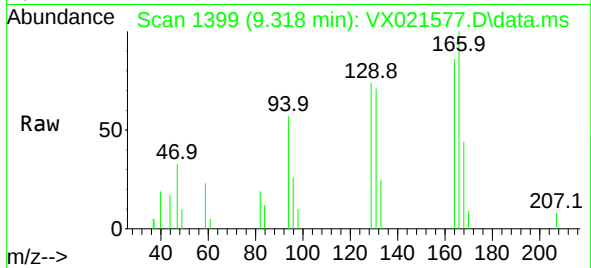
Tgt Ion: 117 Resp: 110424
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.9 26.6 39.8





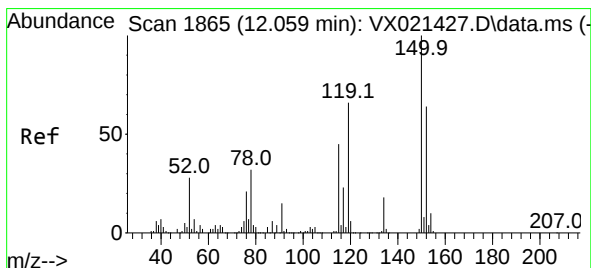
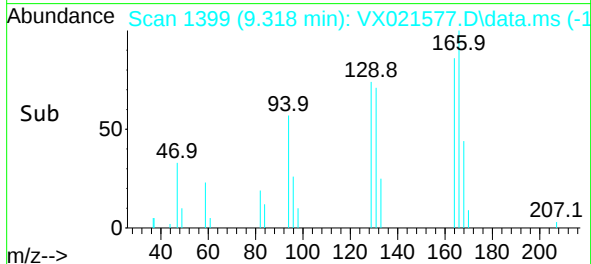
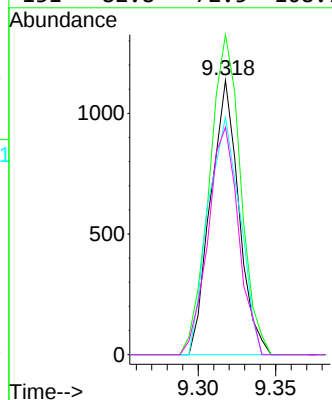
#64
Tetrachloroethene
Concen: 1.95 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Instrument :
MSVOA_X
ClientSampleId :

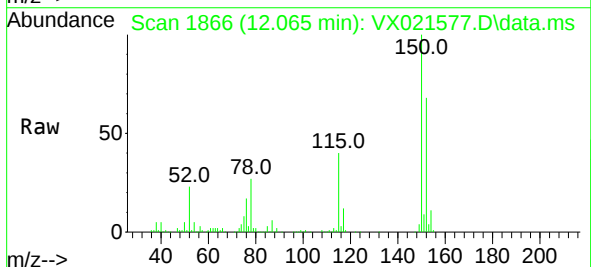


Tgt Ion:164 Resp: 1439

Ion	Ratio	Lower	Upper
164	100		
166	116.6	103.4	155.2
129	86.5	70.8	106.2
131	82.8	72.5	108.7

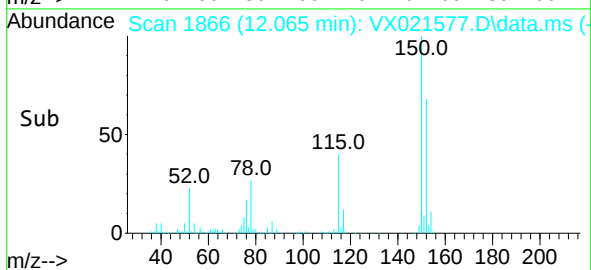
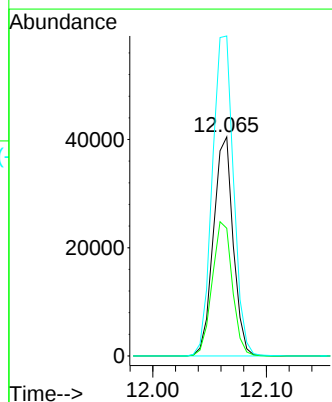


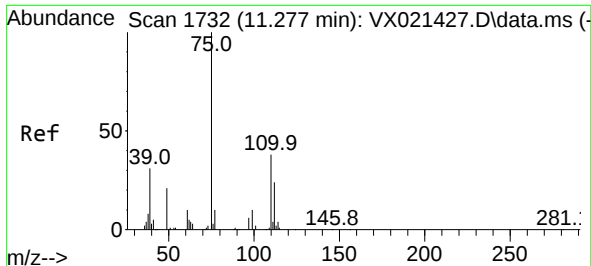
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16



Tgt Ion:152 Resp: 48953

Ion	Ratio	Lower	Upper
152	100		
115	62.4	41.1	123.3
150	156.9	0.0	349.0

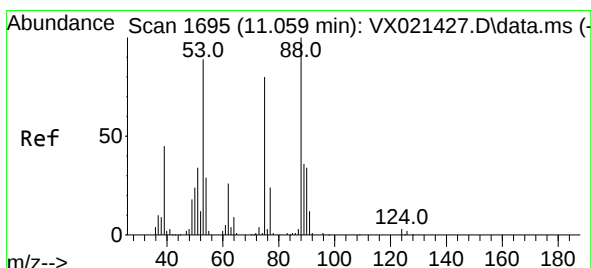
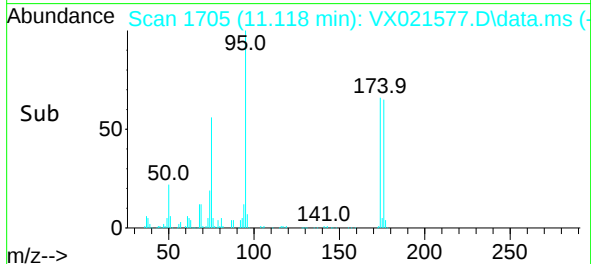
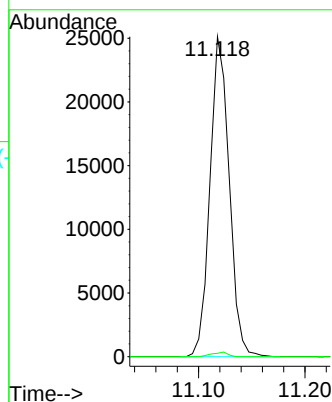
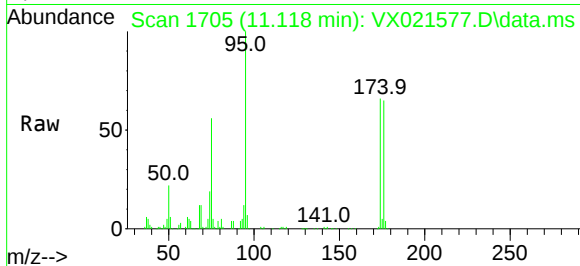




#76
1,2,3-Trichloropropane
Concen: 27.64 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 31502
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.20 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021577.D
Acq: 29 Mar 2021 15:16

Tgt Ion: 75 Resp: 31502
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

