

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032521\
 Data File : VX021507.D
 Acq On : 26 Mar 2021 00:07
 Operator : JC/MD
 Sample : M1770-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 26 06:32:43 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	60861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	112145	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	115397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	52896	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	51953	51.30	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.60%
35) Dibromofluoromethane	5.464	113	39273	49.30	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.60%
50) Toluene-d8	8.694	98	141511	49.85	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.70%
62) 4-Bromofluorobenzene	11.118	95	58325	52.85	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.70%

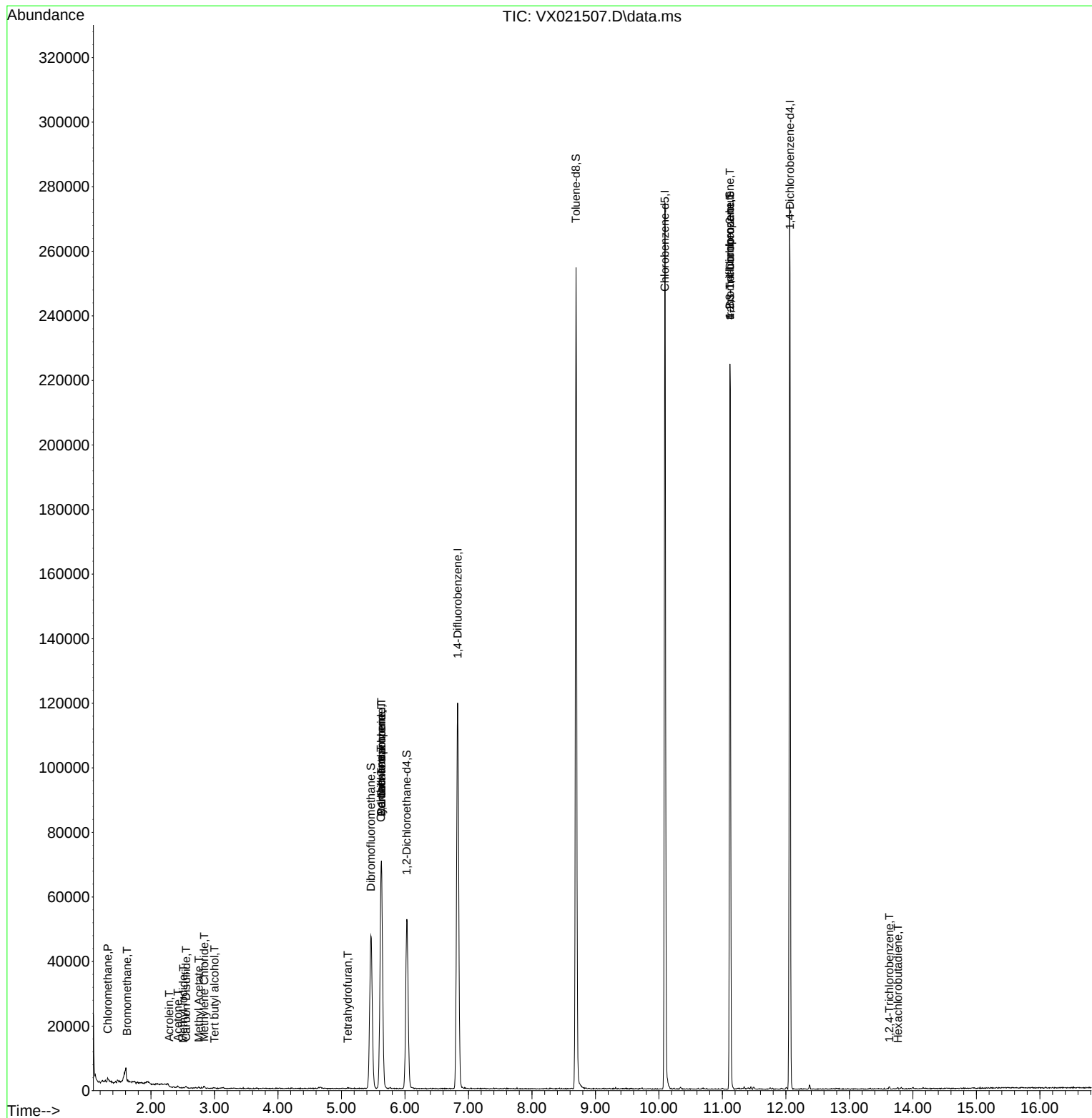
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1869	2.47	ug/l #	86
5) Bromomethane	1.623	94	219	0.80	ug/l #	55
10) Methyl Iodide	2.511	142	20	6.68	ug/l #	42
11) Tert butyl alcohol	2.999	59	146	0.87	ug/l #	73
13) Acrolein	2.287	56	18	4.51	ug/l #	1
16) Acetone	2.423	43	579	1.51	ug/l #	83
17) Carbon Disulfide	2.552	76	656	0.38	ug/l #	71
18) Methyl Acetate	2.752	43	410	0.37	ug/l #	47
20) Methylene Chloride	2.840	84	198	0.26	ug/l #	93
29) Tetrahydrofuran	5.100	42	114	0.30	ug/l #	27
31) Cyclohexane	5.623	56	1794	1.61	ug/l #	56
36) 1,1-Dichloropropene	5.629	75	5620	5.11	ug/l #	49
38) Carbon Tetrachloride	5.629	117	6839	5.79	ug/l #	16
76) 1,2,3-Trichloropropane	11.118	75	33203	26.96	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	33203	82.13	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.630	180	220	0.21	ug/l #	92
94) Hexachlorobutadiene	13.765	225	108	0.23	ug/l #	45

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

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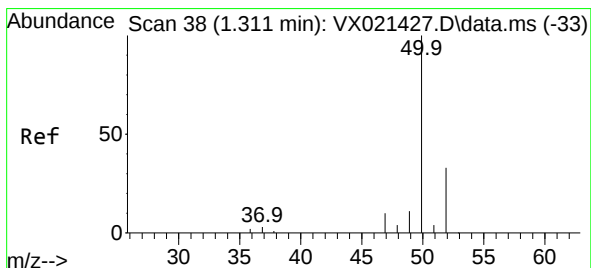
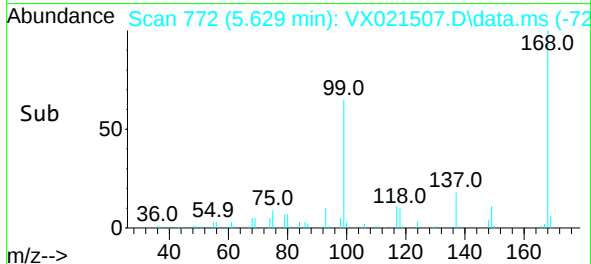
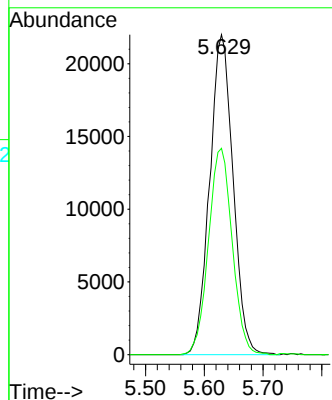
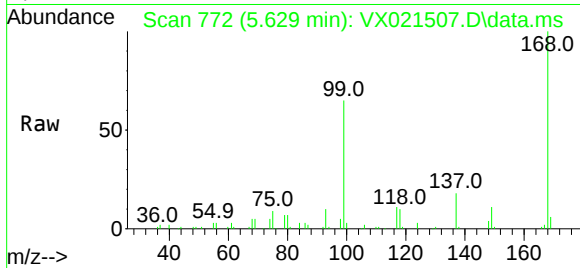




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

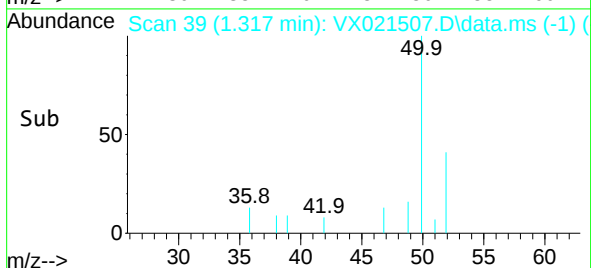
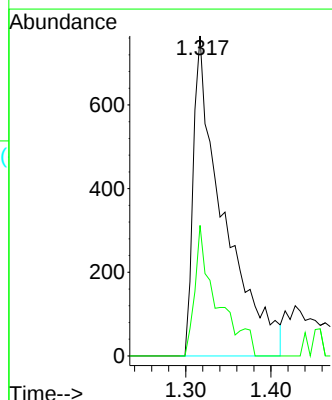
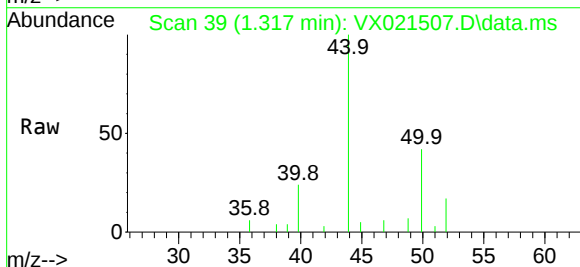
Instrument :
MSVOA_X
ClientSampleId :

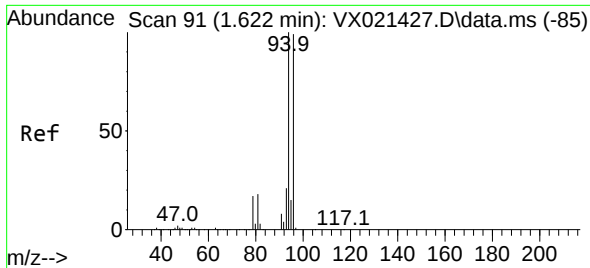
Tgt Ion:168 Resp: 60861
Ion Ratio Lower Upper
168 100
99 64.5 45.8 68.6



#3
Chloromethane
Concen: 2.47 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

Tgt Ion: 50 Resp: 1869
Ion Ratio Lower Upper
50 100
52 40.8 26.4 39.6#

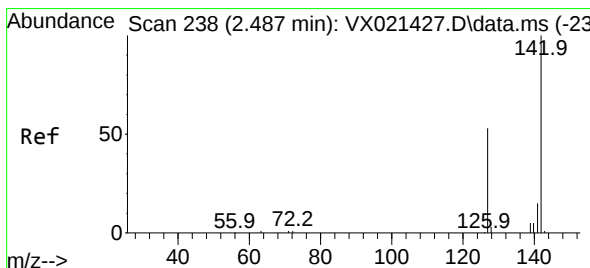
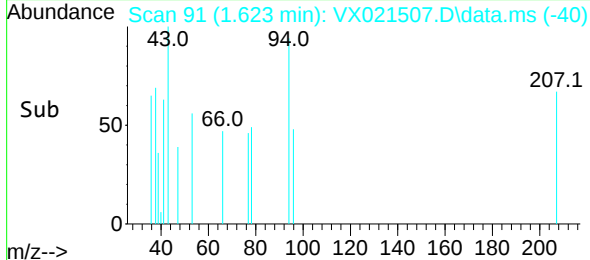
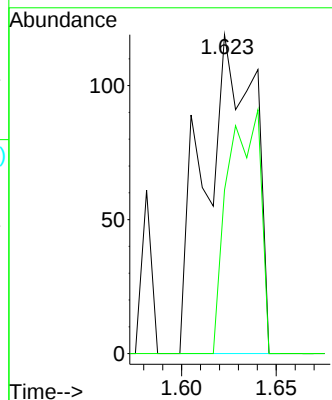
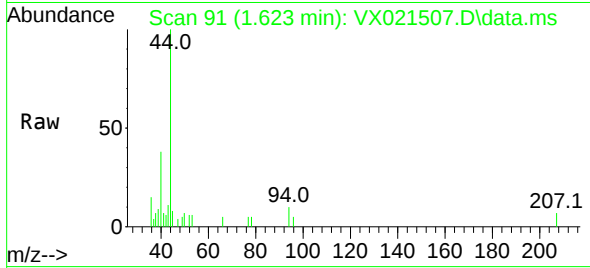




#5
Bromomethane
Concen: 0.80 ug/l
RT: 1.623 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

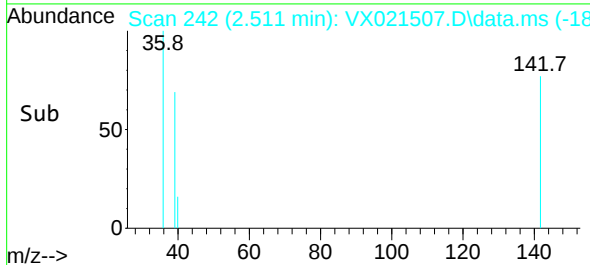
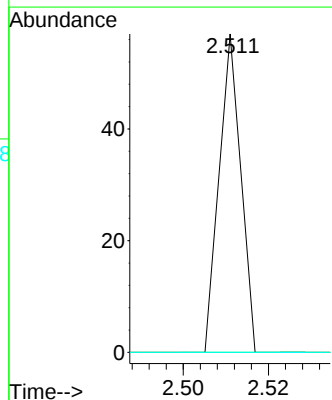
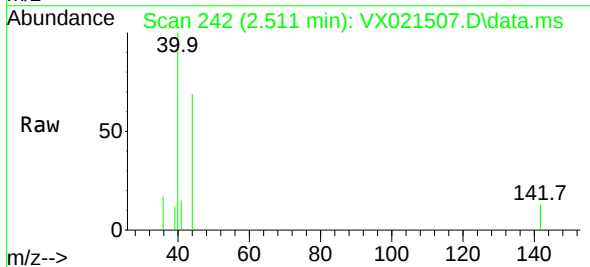
Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 51.3 76.4 114.6#



#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.511 min Scan# 242
Delta R.T. 0.024 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

Tgt Ion: 142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

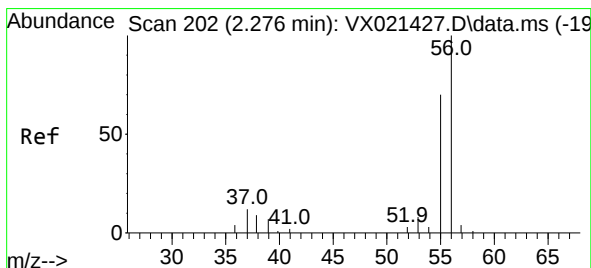
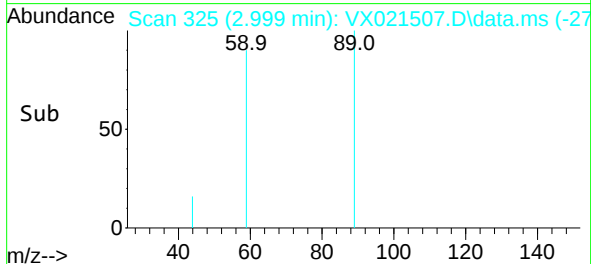
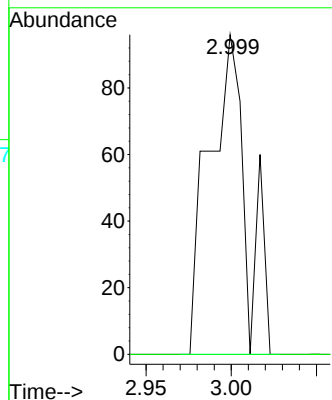
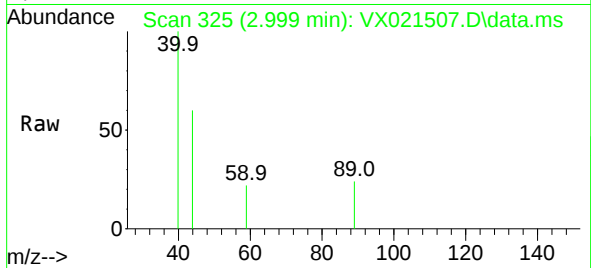




#11
Tert butyl alcohol
Concen: 0.87 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.024 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

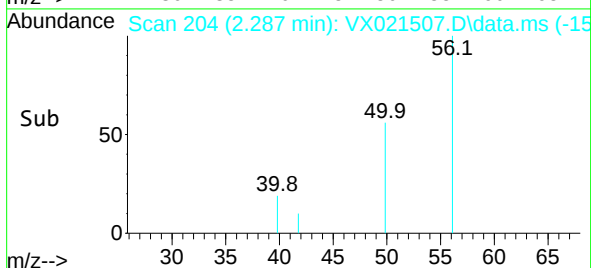
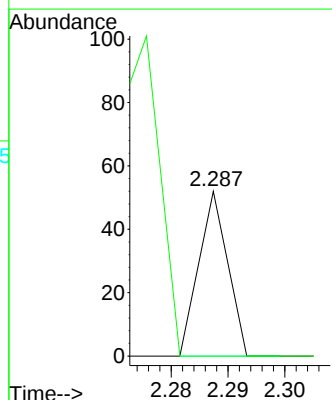
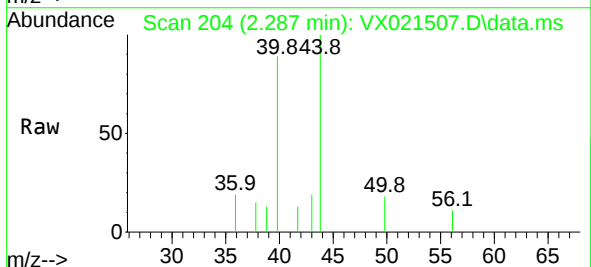
Instrument :
MSVOA_X
ClientSampled :

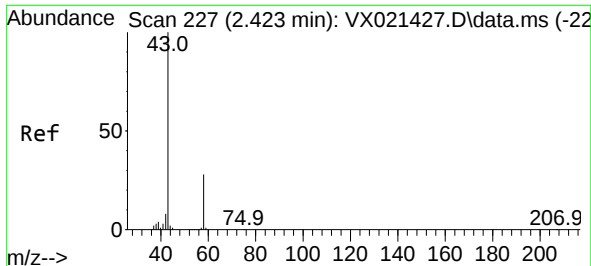
Tgt Ion: 59 Resp: 146
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 4.51 ug/l
RT: 2.287 min Scan# 204
Delta R.T. 0.011 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

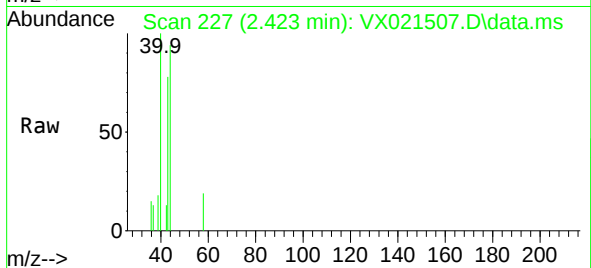
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 561.1 56.4 84.6#



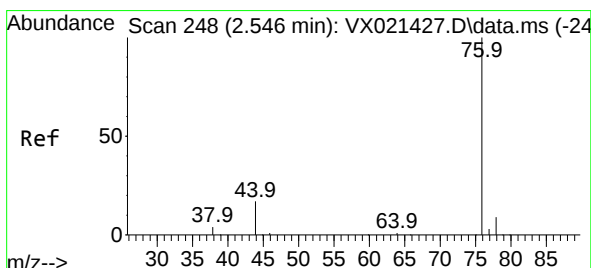
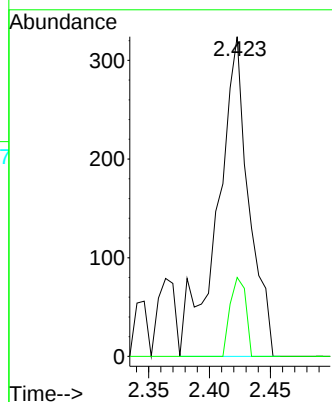
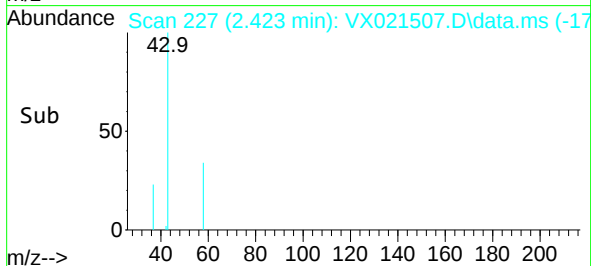


#16
Acetone
Concen: 1.51 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

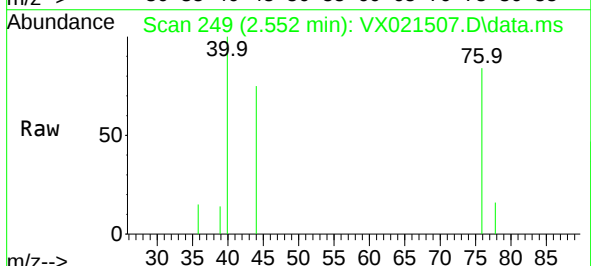
Instrument :
MSVOA_X
ClientSampleId :



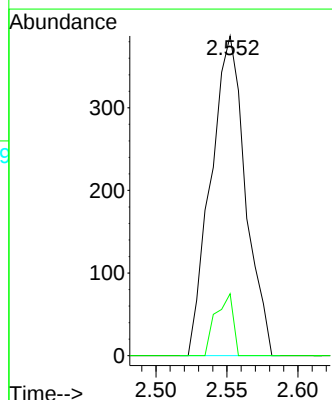
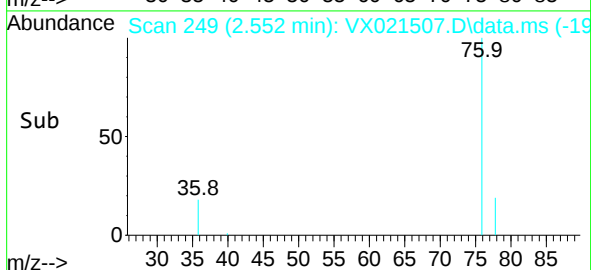
Tgt Ion: 43 Resp: 579
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#

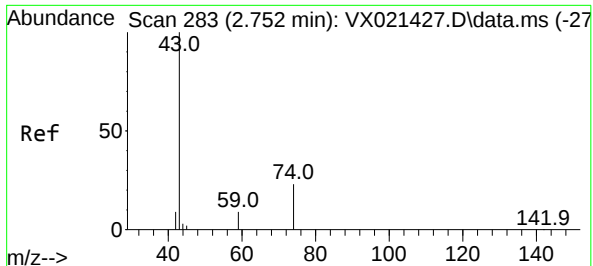


#17
Carbon Disulfide
Concen: 0.38 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07



Tgt Ion: 76 Resp: 656
Ion Ratio Lower Upper
76 100
78 19.4 7.2 10.8#





#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 2.752 min Scan# 283

Delta R.T. 0.000 min

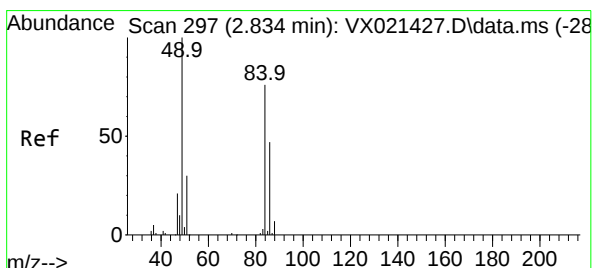
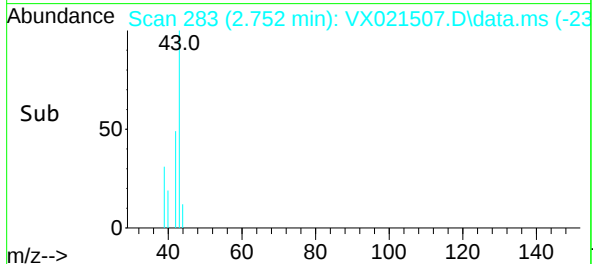
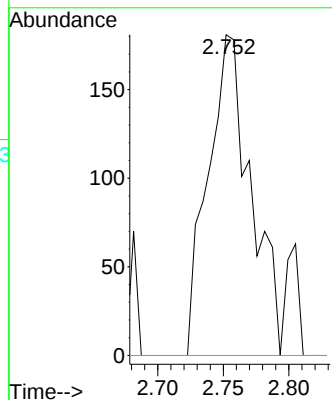
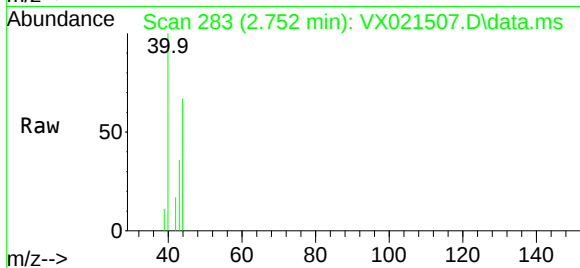
Lab File: VX021507.D

Acq: 26 Mar 2021 00:07

Tgt Ion: 43 Resp: 410

Ion Ratio Lower Upper

43 100
74 0.0 21.9 32.9#



#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

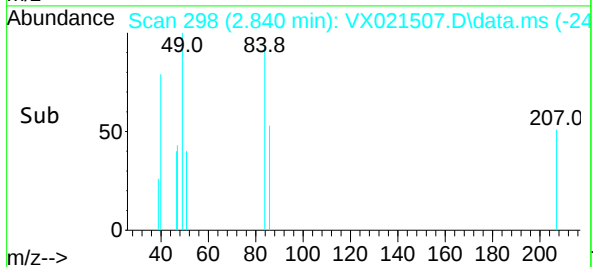
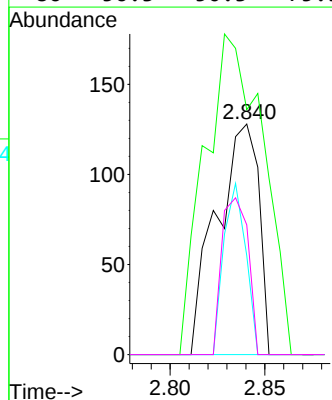
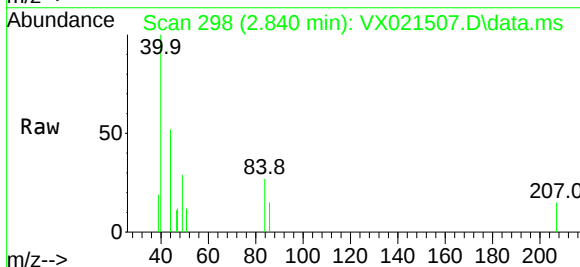
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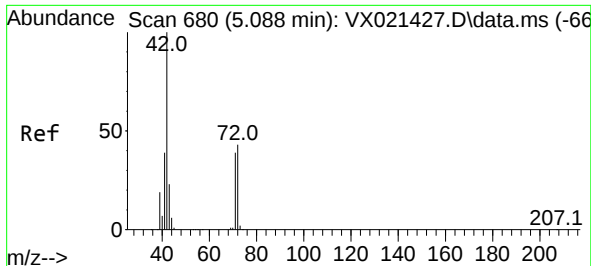
Acq: 26 Mar 2021 00:07

Tgt Ion: 84 Resp: 198

Ion Ratio Lower Upper

84 100
49 106.3 88.6 132.8
51 43.0 27.0 40.6#
86 56.3 50.3 75.5





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 5.100 min Scan# 682

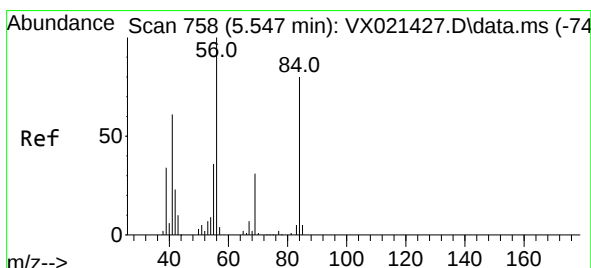
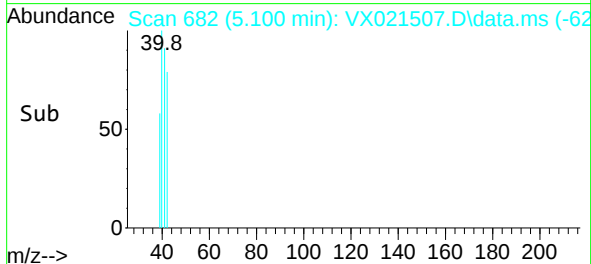
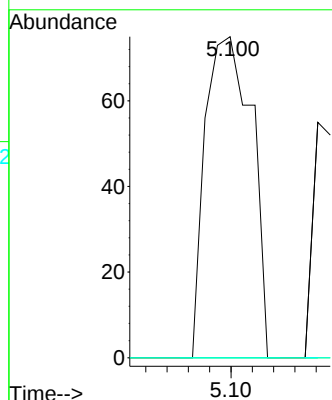
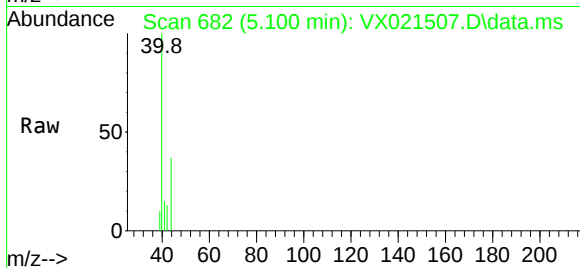
Delta R.T. 0.012 min

Lab File: VX021507.D

Acq: 26 Mar 2021 00:07

Tgt Ion:	42	Resp:	114
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :



#31

Cyclohexane

Concen: 1.61 ug/l

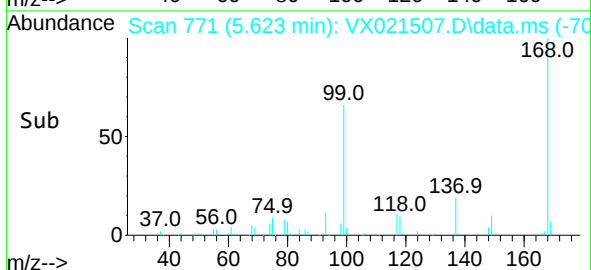
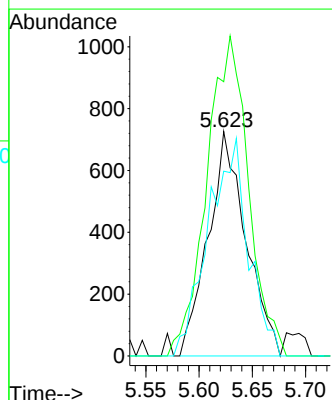
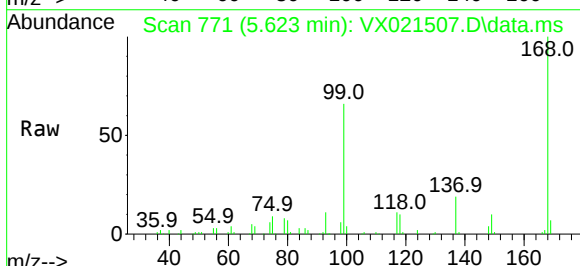
RT: 5.623 min Scan# 771

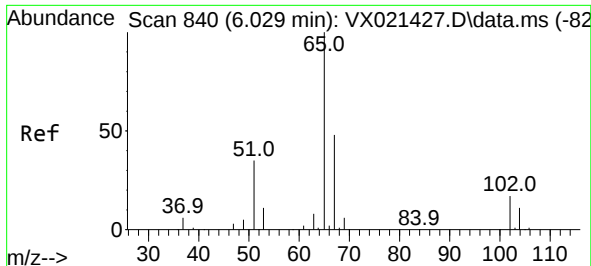
Delta R.T. 0.076 min

Lab File: VX021507.D

Acq: 26 Mar 2021 00:07

Tgt Ion:	56	Resp:	1794
Ion	Ratio	Lower	Upper
56	100		
69	114.5	25.3	37.9#
84	82.4	71.4	107.0





#33

1,2-Dichloroethane-d4

Concen: 51.30 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021507.D

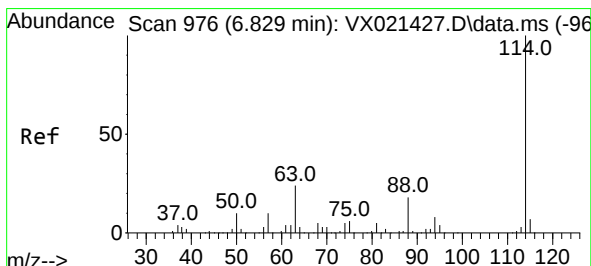
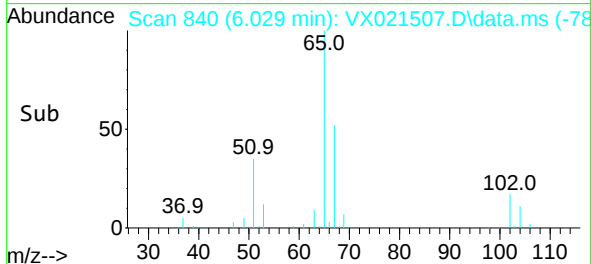
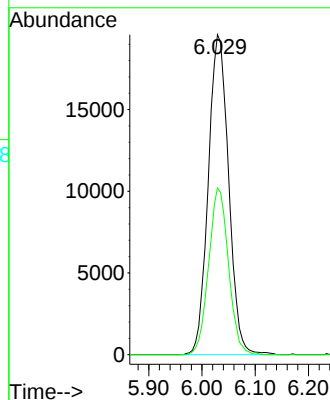
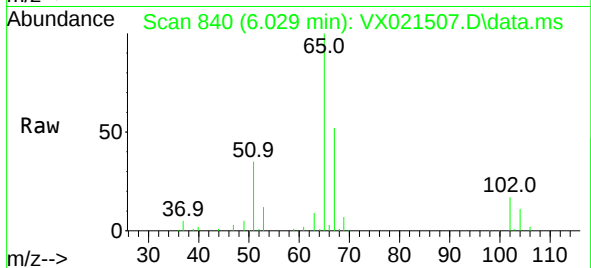
Acq: 26 Mar 2021 00:07

Tgt Ion: 65 Resp: 51953

Ion Ratio Lower Upper

65 100

67 50.7 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: VX021507.D

Acq: 26 Mar 2021 00:07

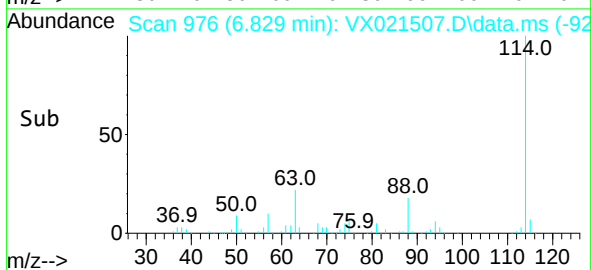
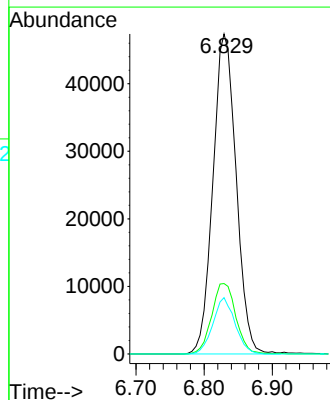
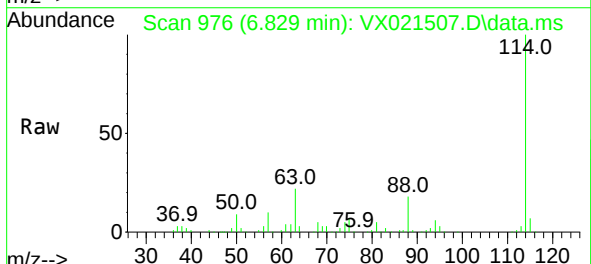
Tgt Ion: 114 Resp: 112145

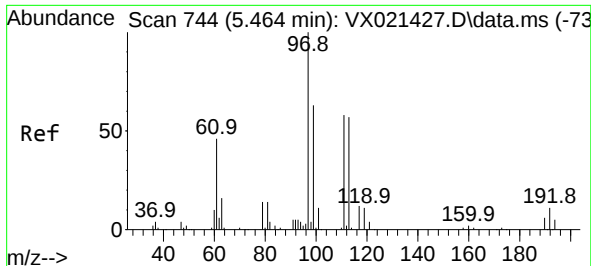
Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.8

88 17.6 0.0 32.8

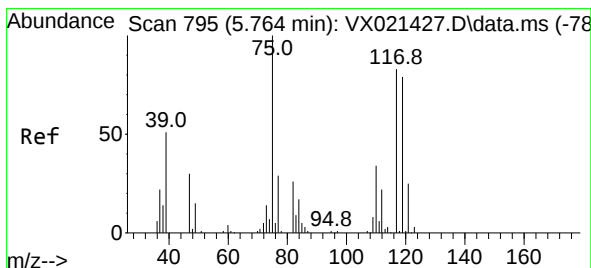
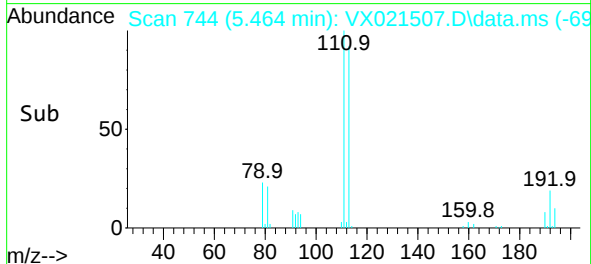
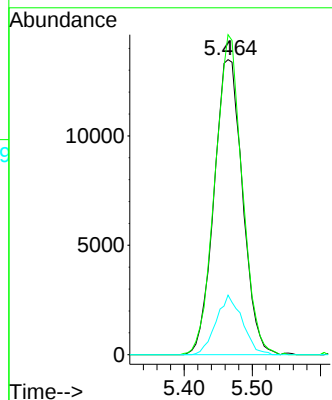
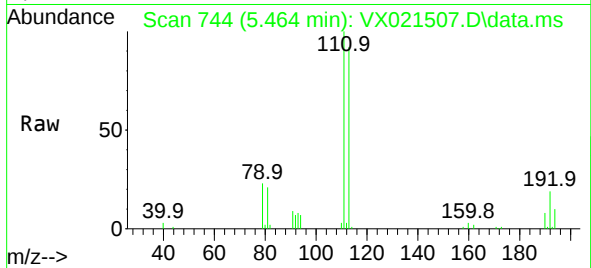




#35
Dibromofluoromethane
Concen: 49.30 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

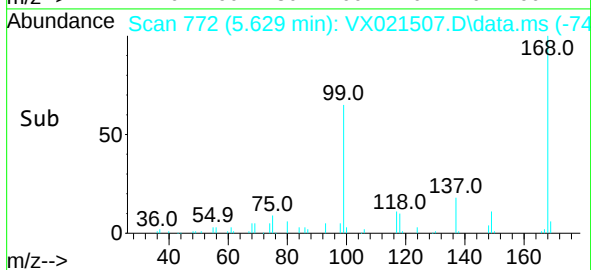
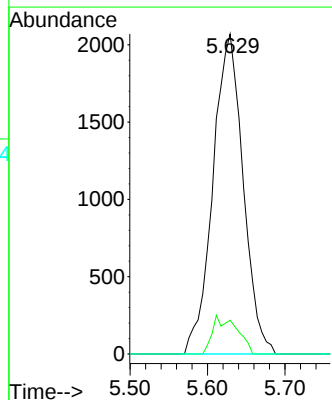
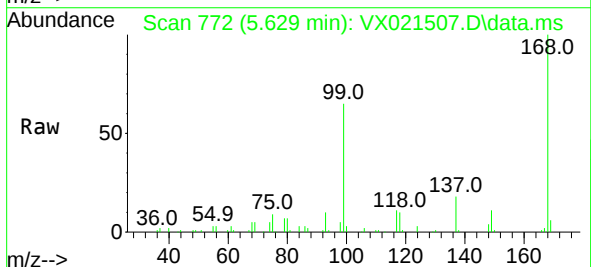
Instrument :
MSVOA_X
ClientSampleId :

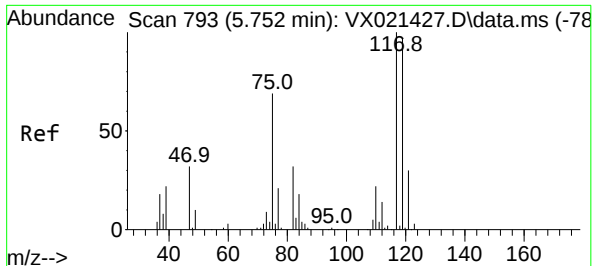
Tgt Ion:113 Resp: 39273
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 18.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.11 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.135 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

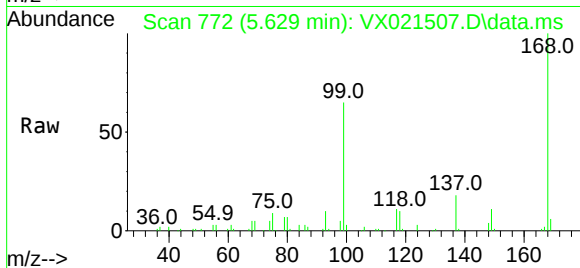
Tgt Ion: 75 Resp: 5620
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



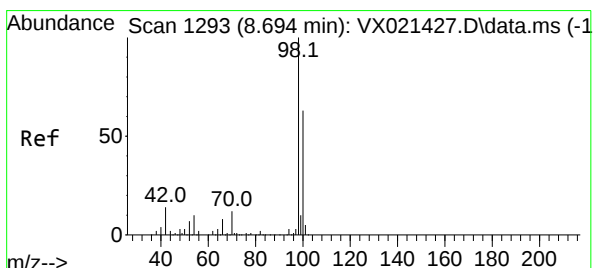
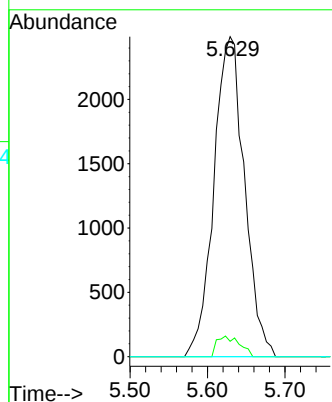
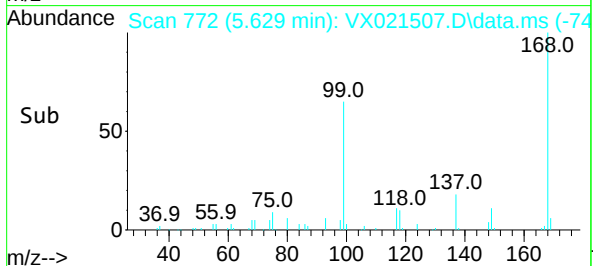


#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

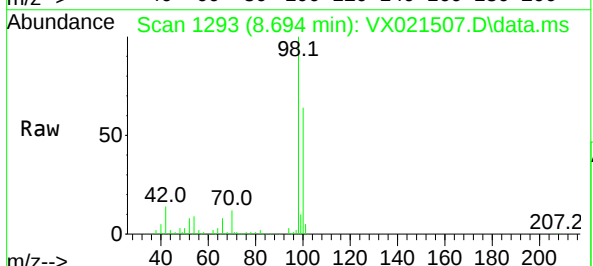
Instrument :
MSVOA_X
ClientSampleId :



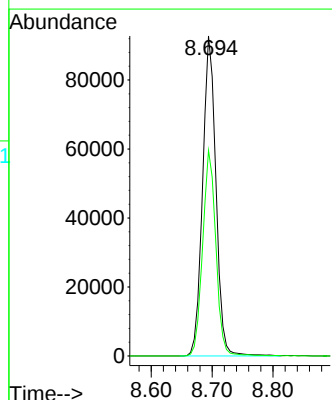
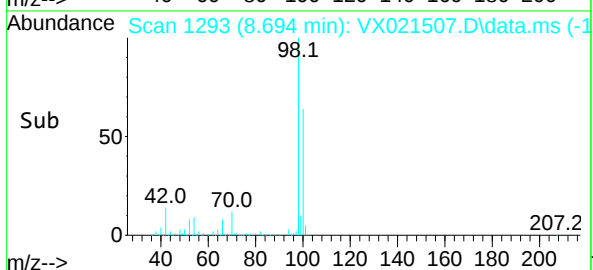
Tgt Ion:117 Resp: 6839
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

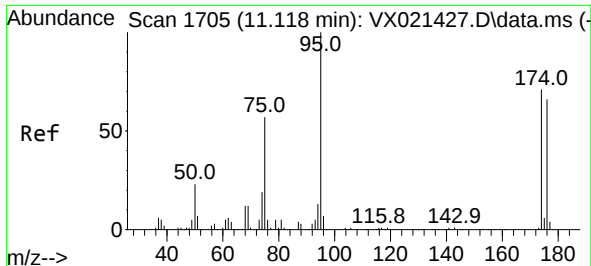


#50
Toluene-d8
Concen: 49.85 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07



Tgt Ion: 98 Resp: 141511
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

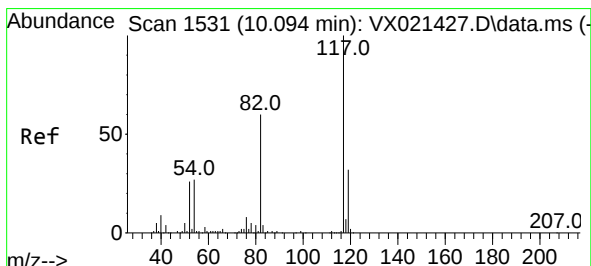
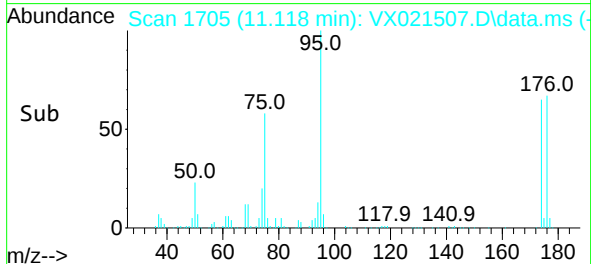
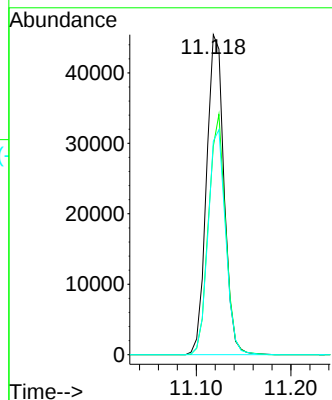
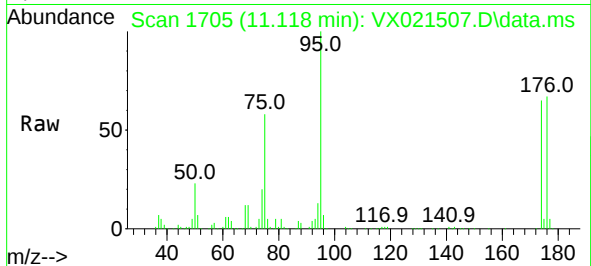




#62
4-Bromofluorobenzene
Concen: 52.85 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

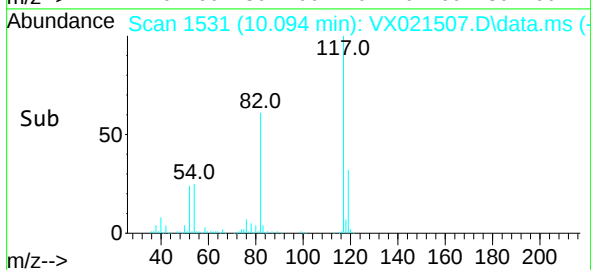
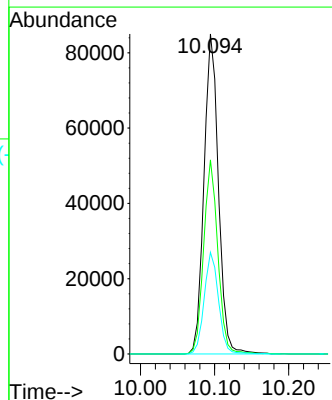
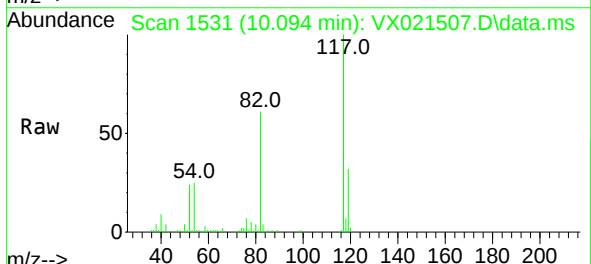
Instrument :
MSVOA_X
ClientSampleId :

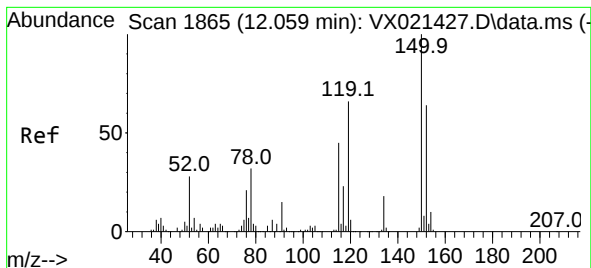
Tgt Ion: 95 Resp: 58325
Ion Ratio Lower Upper
95 100
174 72.6 0.0 154.6
176 70.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

Tgt Ion: 117 Resp: 115397
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.8 26.6 39.8

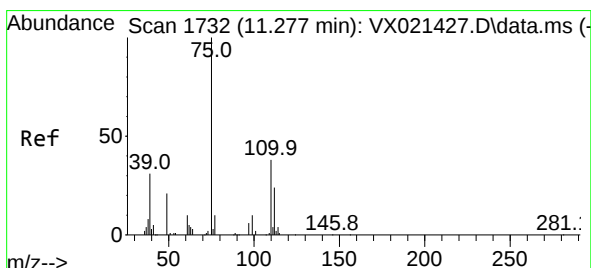
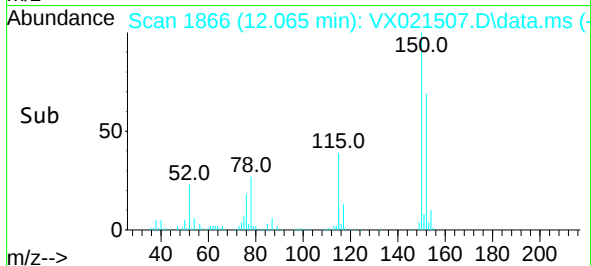
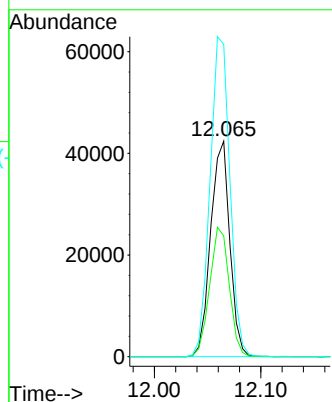
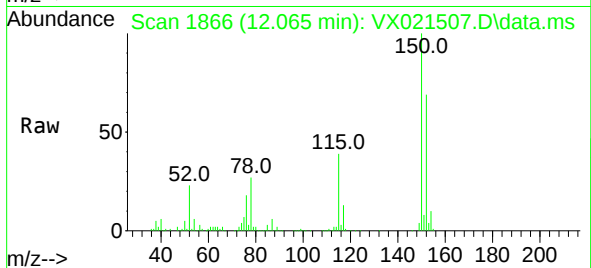




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.065 min Scan# 1866
 Delta R.T. 0.006 min
 Lab File: VX021507.D
 Acq: 26 Mar 2021 00:07

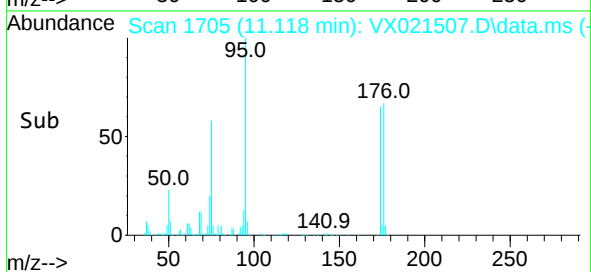
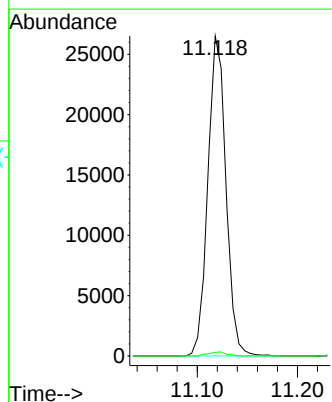
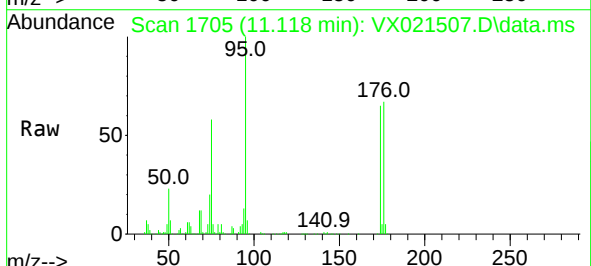
Instrument :
 MSVOA_X
 ClientSampleId :

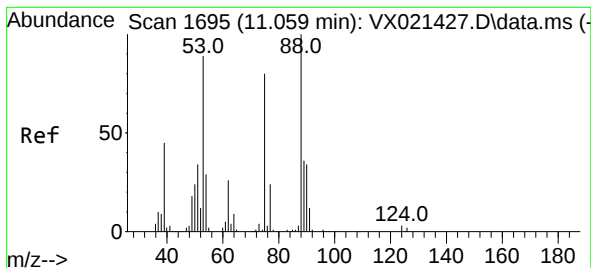
Tgt Ion:152 Resp: 52896
 Ion Ratio Lower Upper
 152 100
 115 61.3 41.1 123.3
 150 153.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 26.96 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021507.D
 Acq: 26 Mar 2021 00:07

Tgt Ion: 75 Resp: 33203
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#

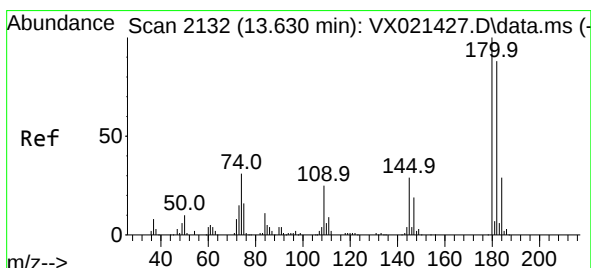
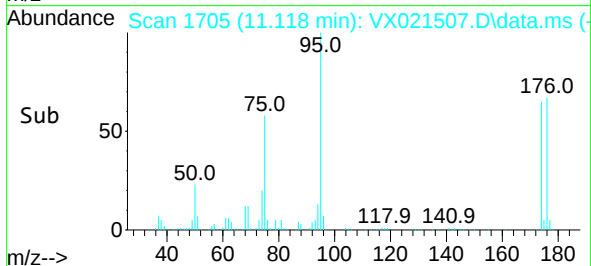
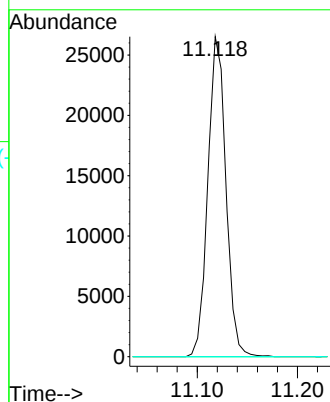
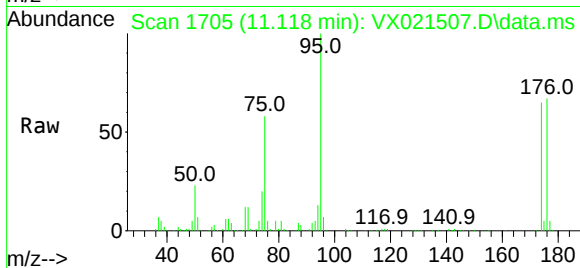




#81
trans-1,4-Dichloro-2-butene
Concen: 82.13 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

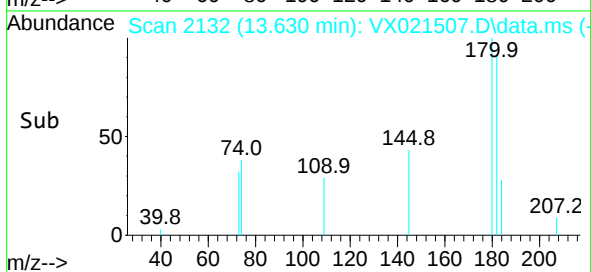
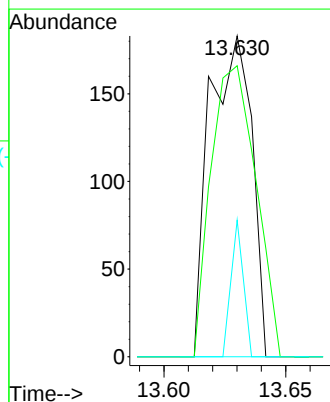
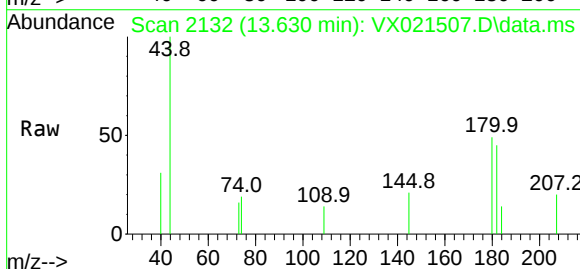
Instrument :
MSVOA_X
ClientSampleId :

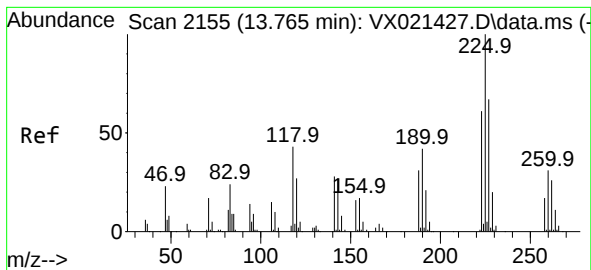
Tgt Ion: 75 Resp: 33203
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.21 ug/l
RT: 13.630 min Scan# 2132
Delta R.T. 0.000 min
Lab File: VX021507.D
Acq: 26 Mar 2021 00:07

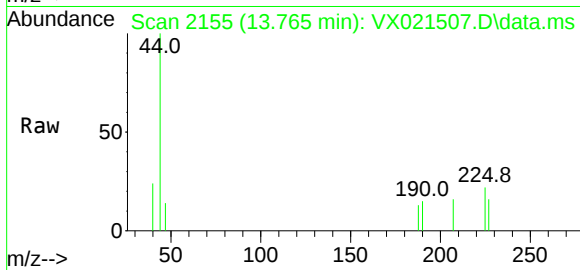
Tgt Ion:180 Resp: 220
Ion Ratio Lower Upper
180 100
182 96.4 47.7 143.1
145 12.7 15.0 45.0#





#94
 Hexachlorobutadiene
 Concen: 0.23 ug/l
 RT: 13.765 min Scan# 2155
 Delta R.T. 0.000 min
 Lab File: VX021507.D
 Acq: 26 Mar 2021 00:07

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:225 Resp: 108
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 40.7 31.6 95.0

