

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030921\
 Data File : VX021104.D
 Acq On : 09 Mar 2021 13:45
 Operator : JC/MD
 Sample : M1604-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 10 00:30:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

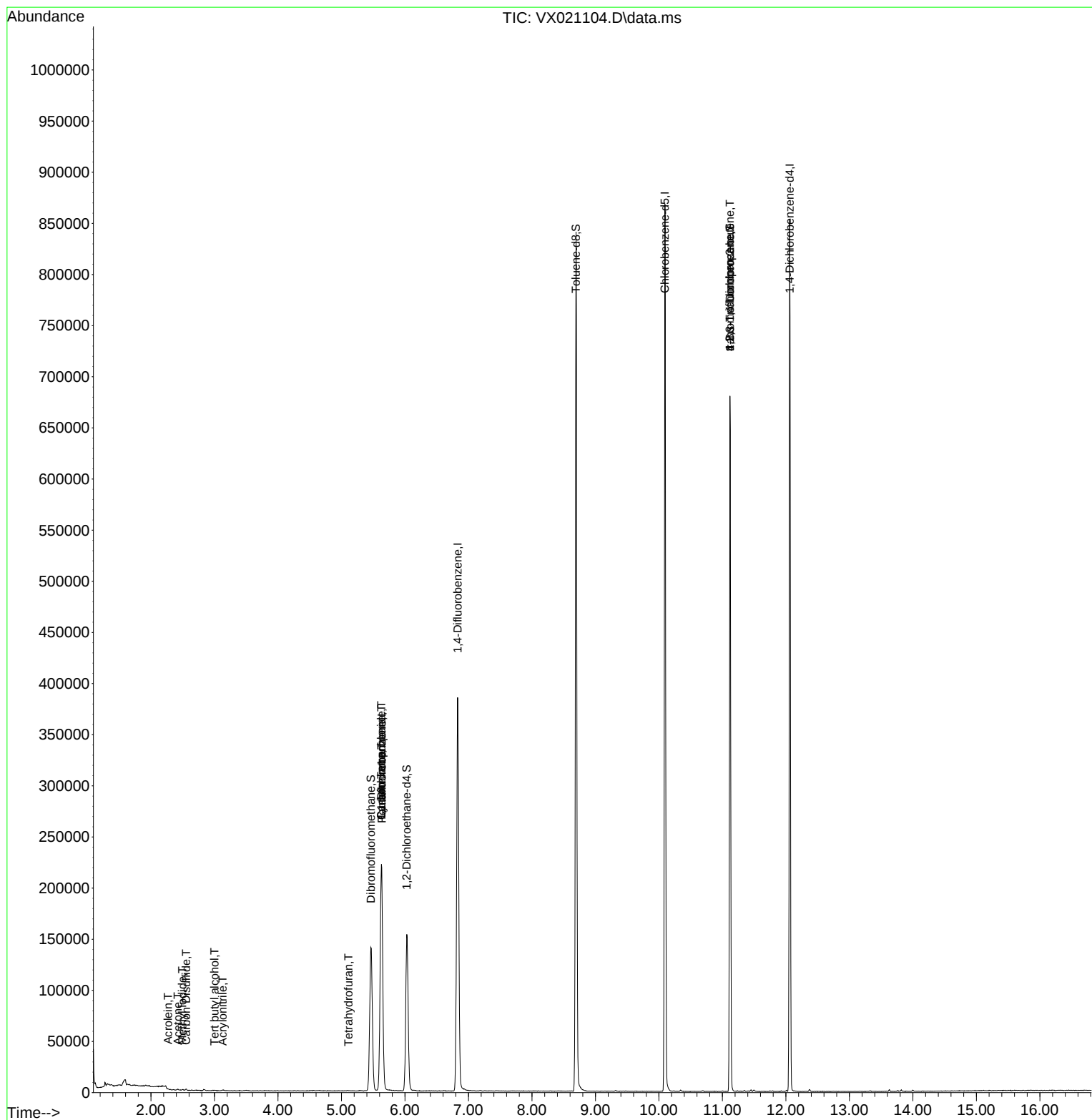
Internal Standards						
1) Pentafluorobenzene	5.635	168	223615	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.829	114	404337	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	401341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	172976	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	144519	47.85	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.70%
35) Dibromofluoromethane	5.464	113	125376	51.03	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.06%
50) Toluene-d8	8.694	98	512367	53.49	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	106.98%
62) 4-Bromofluorobenzene	11.118	95	193331	54.58	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	109.16%
Target Compounds						
					Qvalue	
5) Bromomethane	1.640	94	573	Below Cal	#	69
10) Methyl Iodide	2.493	142	1035	0.32	ug/l #	94
11) Tert butyl alcohol	2.999	59	364	0.54	ug/l #	73
13) Acrolein	2.270	56	191	0.46	ug/l #	37
15) Acrylonitrile	3.129	53	387	0.27	ug/l #	62
16) Acetone	2.423	43	763	0.61	ug/l #	83
17) Carbon Disulfide	2.552	76	1514	0.21	ug/l	99
29) Tetrahydrofuran	5.111	42	324	0.27	ug/l #	27
31) Cyclohexane	5.629	56	4386	1.00	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	16755	4.36	ug/l #	48
38) Carbon Tetrachloride	5.629	117	20587	5.53	ug/l #	16
76) 1,2,3-Trichloropropane	11.118	75	92077	24.74	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	92077	54.78	ug/l #	12

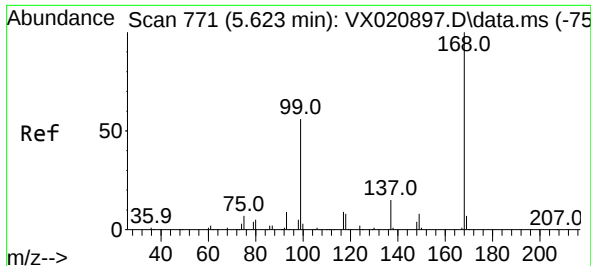
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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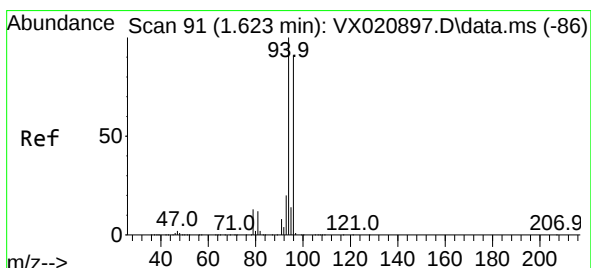
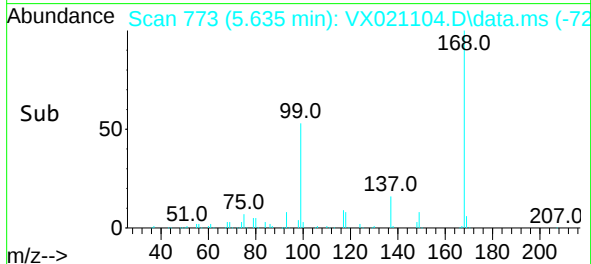
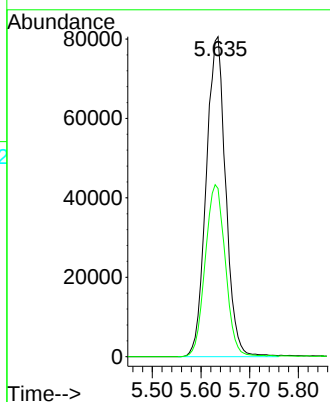
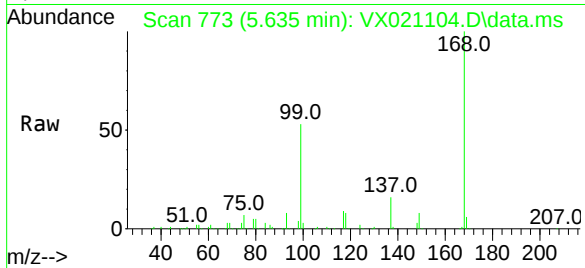




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.012 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

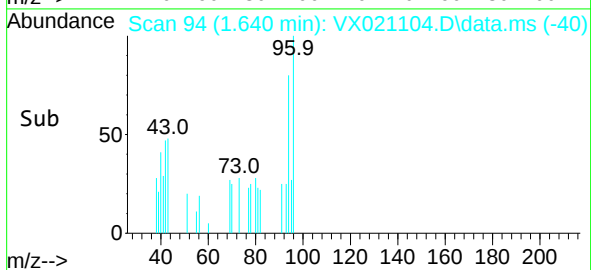
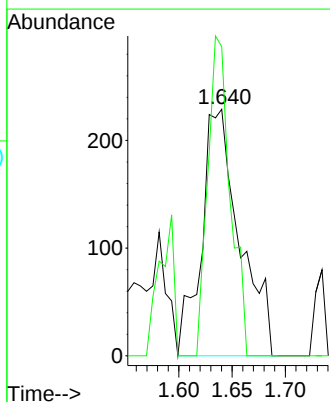
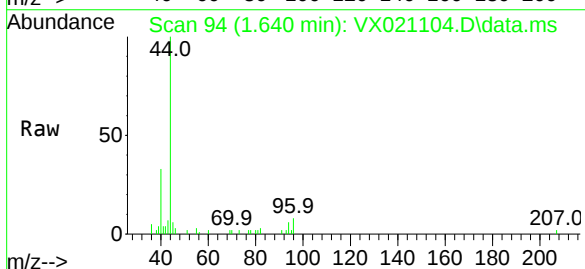
Instrument :
MSVOA_X
ClientSampled :

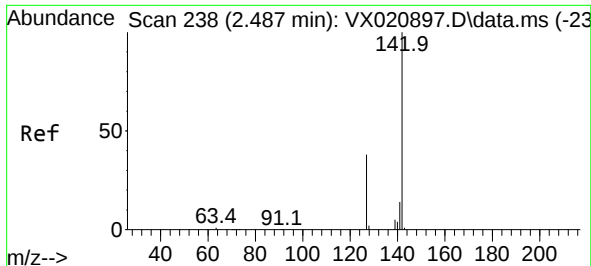
Tgt Ion:168 Resp: 223615
Ion Ratio Lower Upper
168 100
99 52.5 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

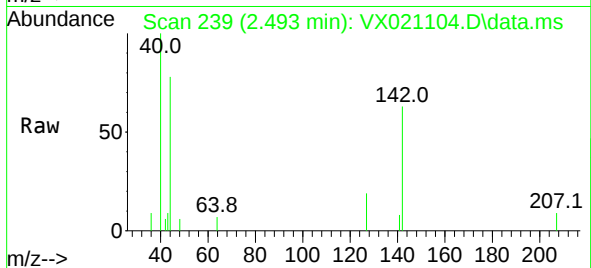
Tgt Ion: 94 Resp: 573
Ion Ratio Lower Upper
94 100
96 125.3 76.4 114.6#



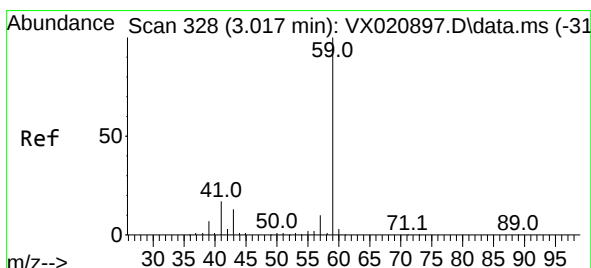
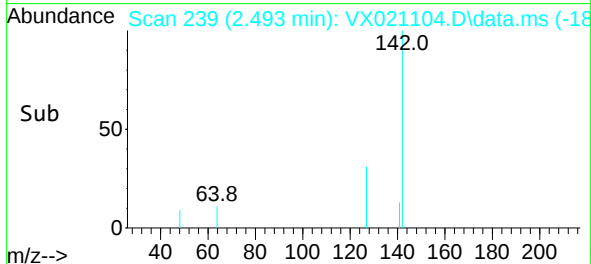
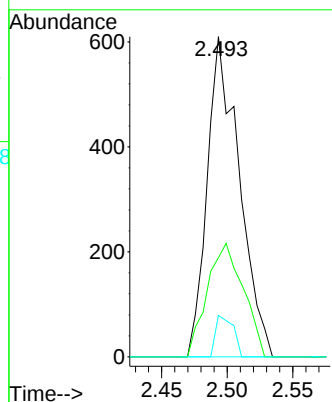


#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.493 min Scan# 239
Delta R.T. 0.006 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Instrument :
MSVOA_X
ClientSampled :

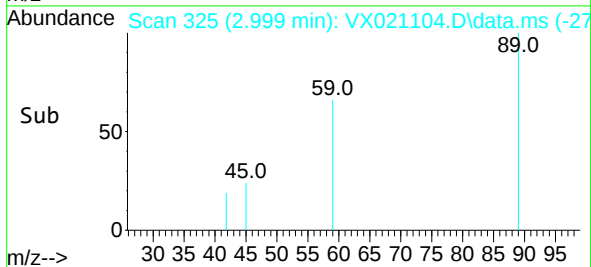
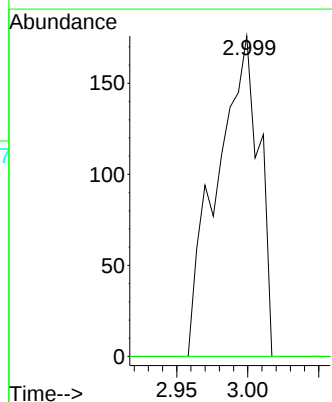
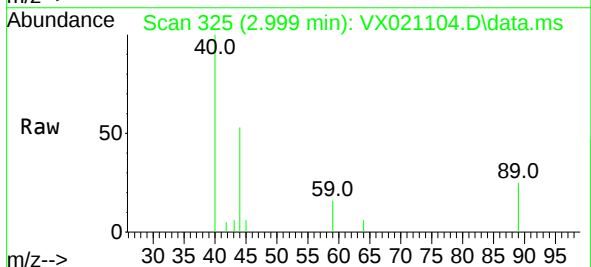


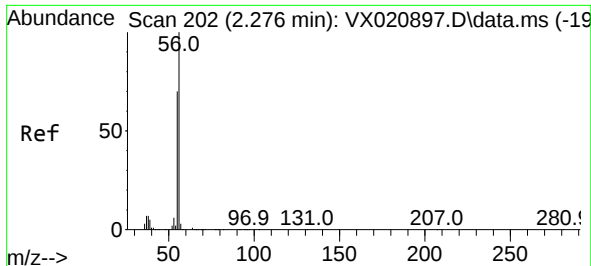
Tgt Ion:142 Resp: 1035
Ion Ratio Lower Upper
142 100
127 40.0 33.3 49.9
141 7.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.54 ug/l
RT: 2.999 min Scan# 325
Delta R.T. -0.018 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 59 Resp: 364
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

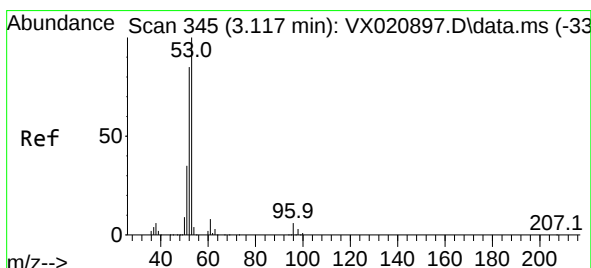
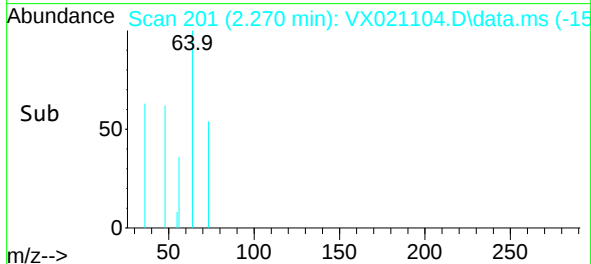
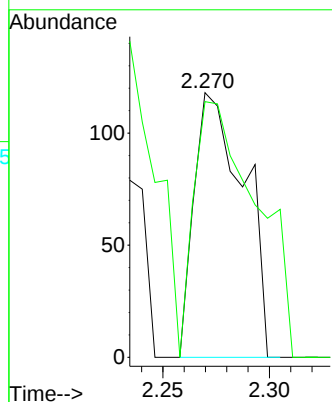
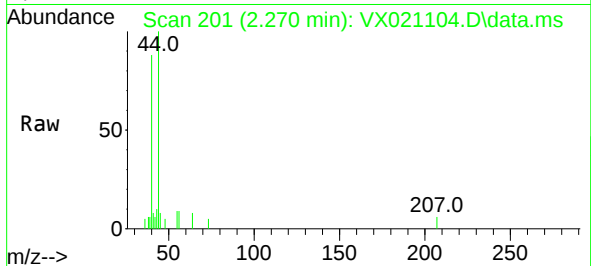




#13
Acrolein
Concen: 0.46 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

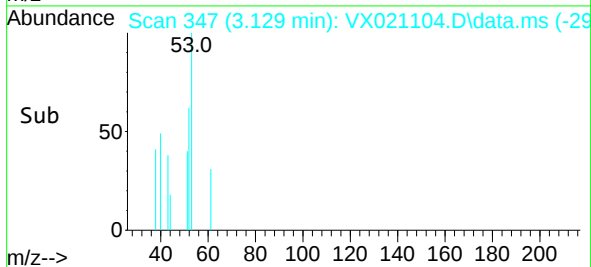
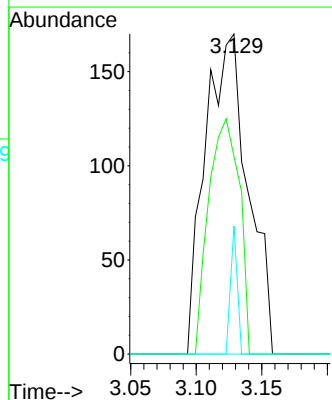
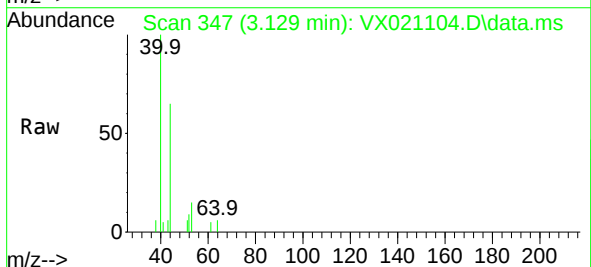
Instrument :
MSVOA_X
ClientSampled :

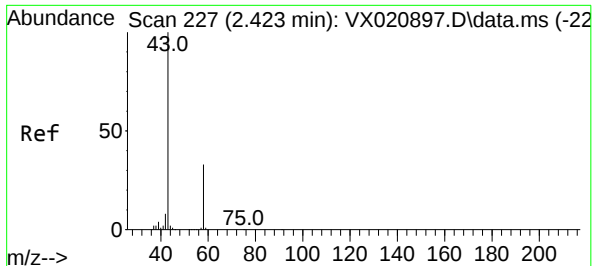
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 122.0 56.4 84.6#



#15
Acrylonitrile
Concen: 0.27 ug/l
RT: 3.129 min Scan# 347
Delta R.T. 0.012 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 53 Resp: 387
Ion Ratio Lower Upper
53 100
52 52.7 65.3 97.9#
51 6.2 28.2 42.2#

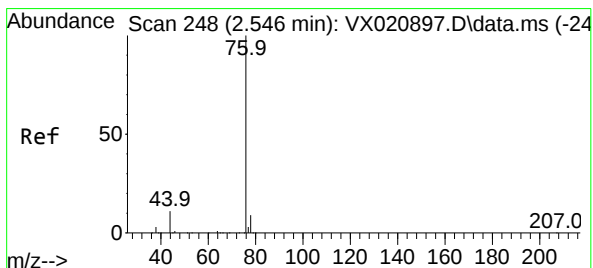
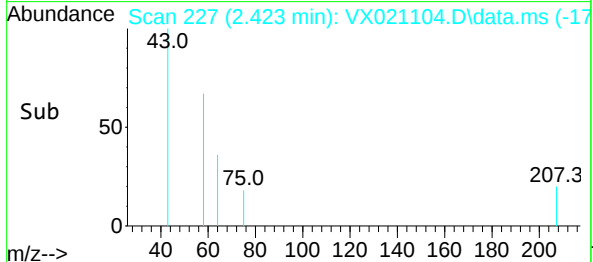
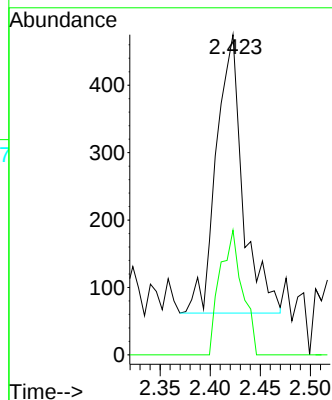
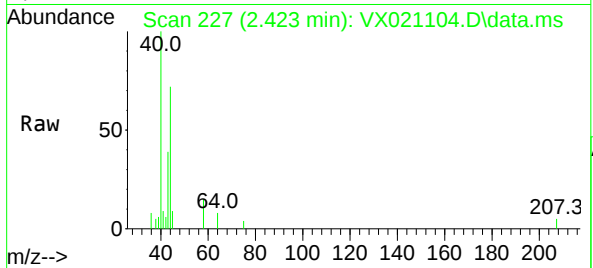




#16
Acetone
Concen: 0.61 ug/l
RT: 2.423 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

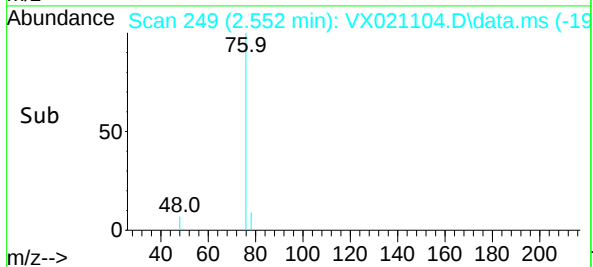
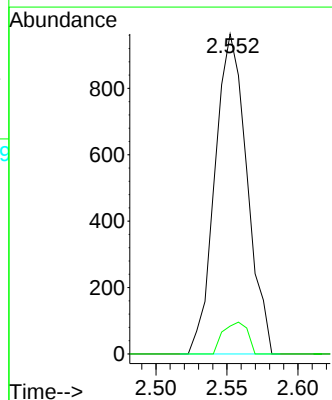
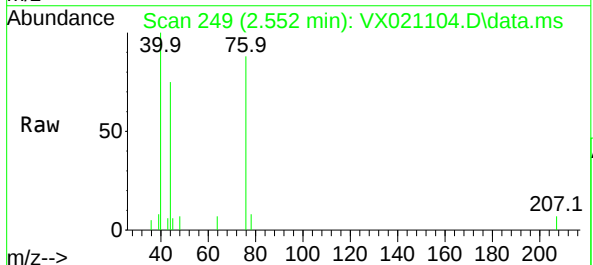
Instrument :
MSVOA_X
ClientSampleId :

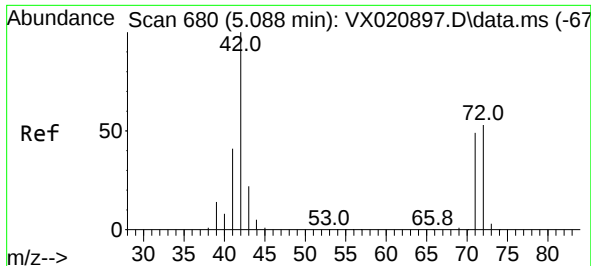
Tgt Ion: 43 Resp: 763
Ion Ratio Lower Upper
43 100
58 44.8 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.21 ug/l
RT: 2.552 min Scan# 249
Delta R.T. 0.006 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 76 Resp: 1514
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8





#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.111 min Scan# 684

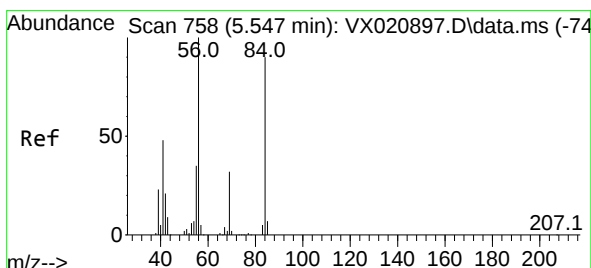
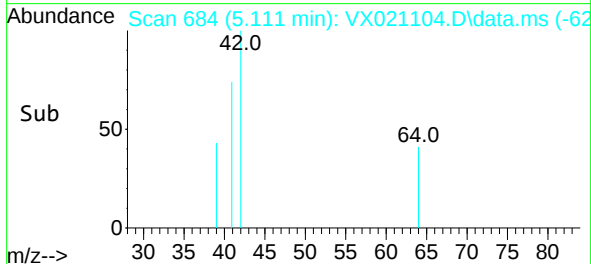
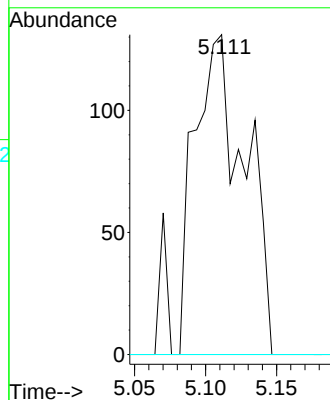
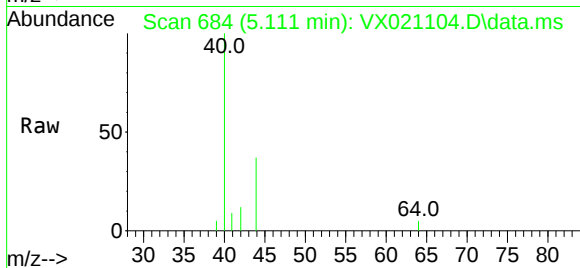
Delta R.T. 0.024 min

Lab File: VX021104.D

Acq: 09 Mar 2021 13:45

Tgt Ion: 42	Resp: 324
Ion Ratio	Lower Upper
42 100	
72 0.0	41.7 62.5#
71 0.0	38.4 57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 1.00 ug/l

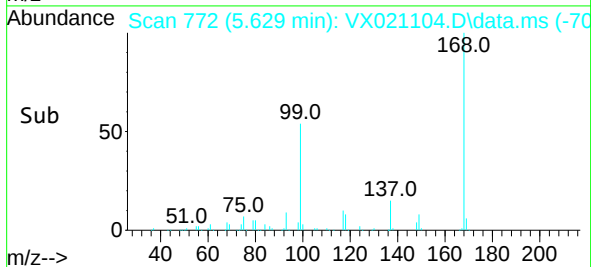
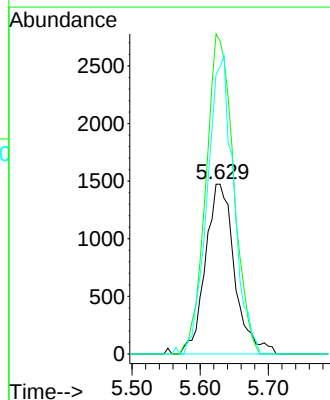
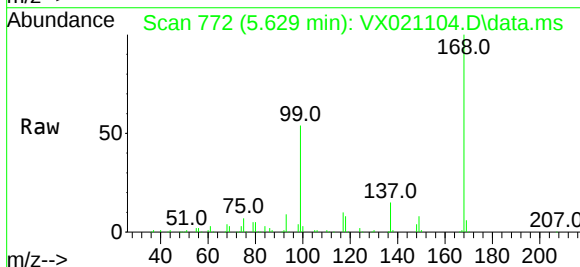
RT: 5.629 min Scan# 772

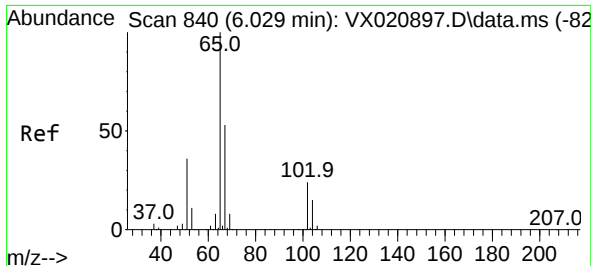
Delta R.T. 0.082 min

Lab File: VX021104.D

Acq: 09 Mar 2021 13:45

Tgt Ion: 56	Resp: 4386
Ion Ratio	Lower Upper
56 100	
69 184.3	25.3 37.9#
84 169.1	71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.85 ug/l

RT: 6.029 min Scan# 840

Delta R.T. 0.000 min

Lab File: VX021104.D

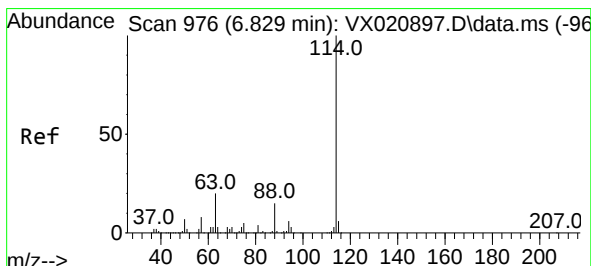
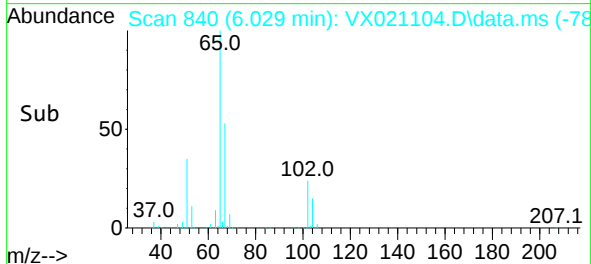
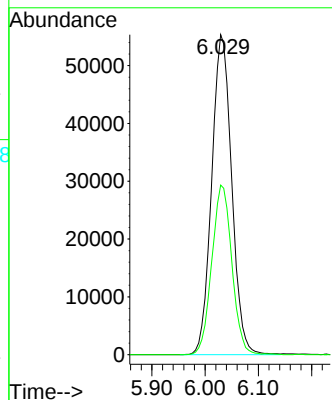
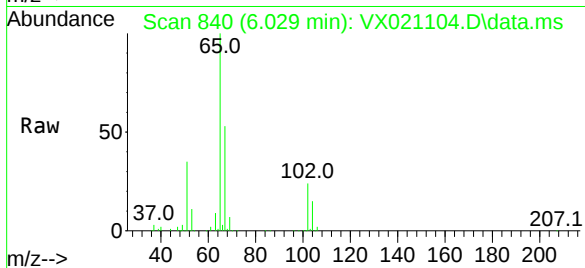
Acq: 09 Mar 2021 13:45

Tgt Ion: 65 Resp: 144519

Ion Ratio Lower Upper

65 100

67 53.2 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: VX021104.D

Acq: 09 Mar 2021 13:45

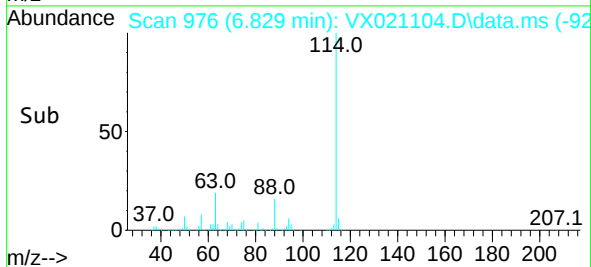
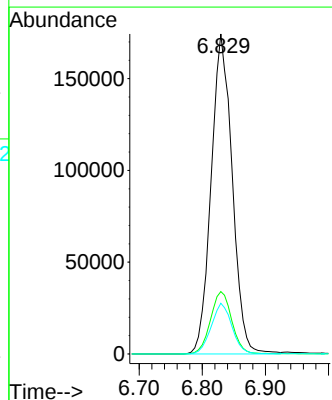
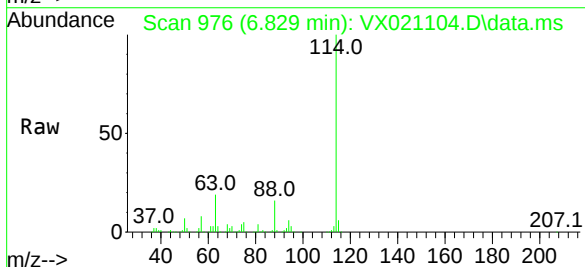
Tgt Ion: 114 Resp: 404337

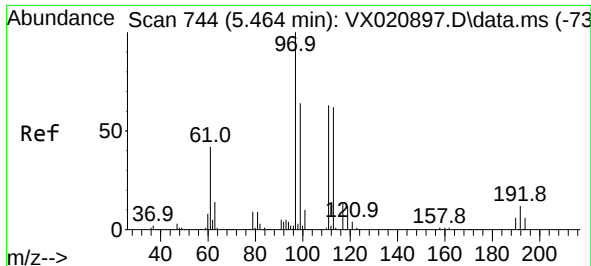
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 15.9 0.0 32.8

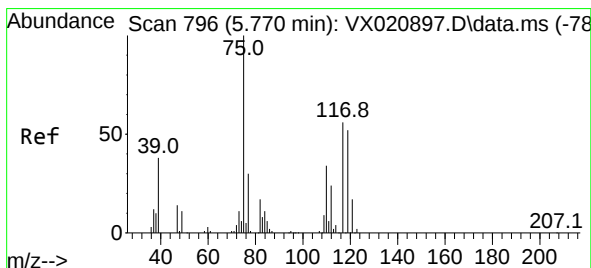
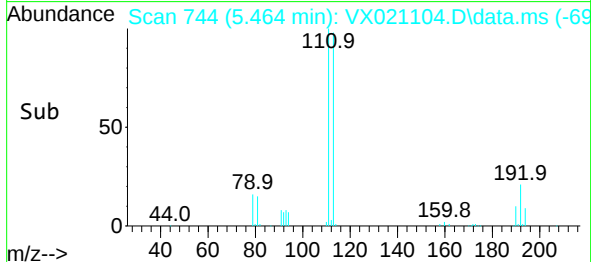
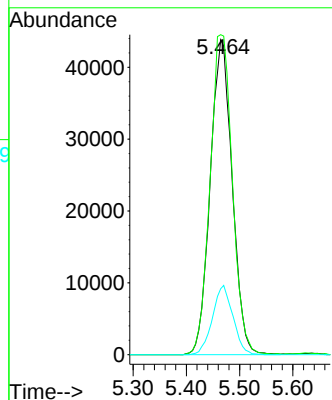
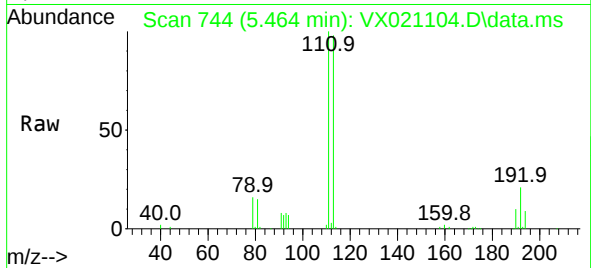




#35
Dibromofluoromethane
Concen: 51.03 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

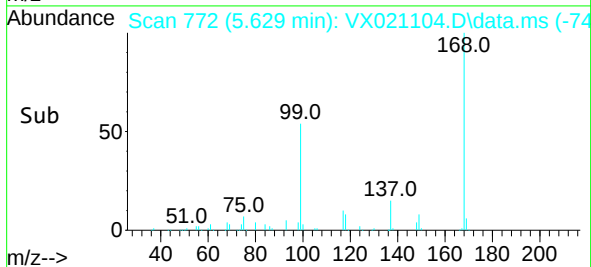
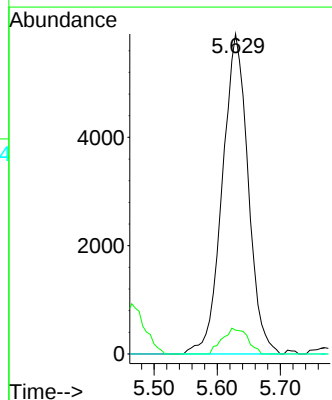
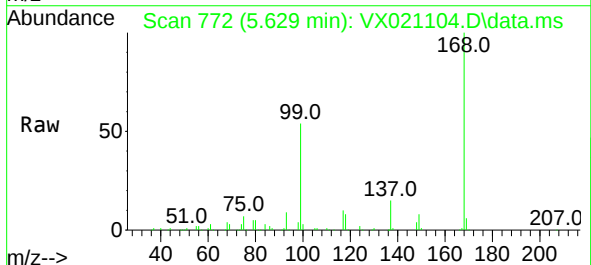
Instrument :
MSVOA_X
ClientSampled :

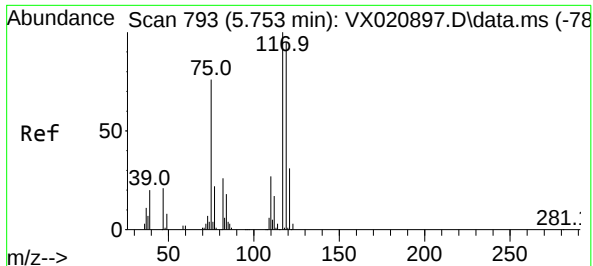
Tgt Ion:113 Resp: 125376
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.36 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 75 Resp: 16755
Ion Ratio Lower Upper
75 100
110 7.9 18.1 54.4#
77 0.0 25.3 37.9#

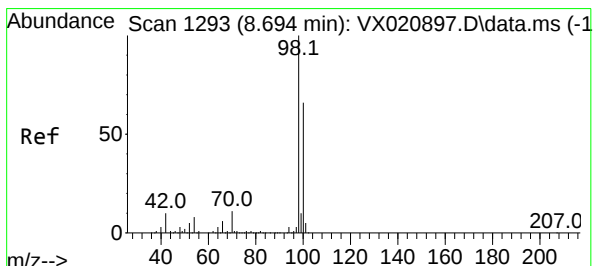
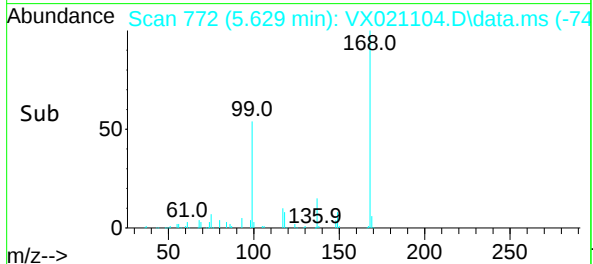
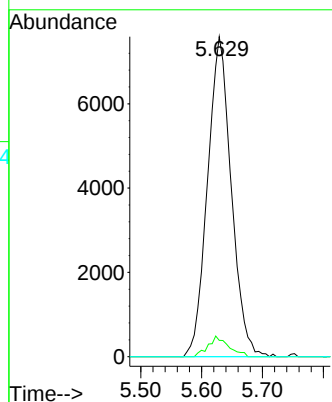
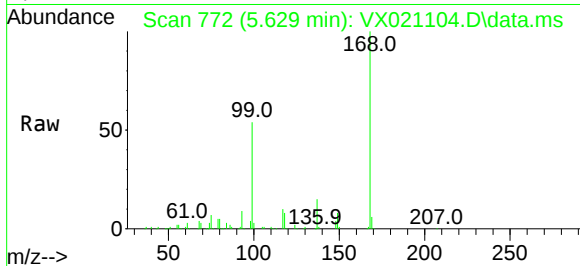




#38
Carbon Tetrachloride
Concen: 5.53 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

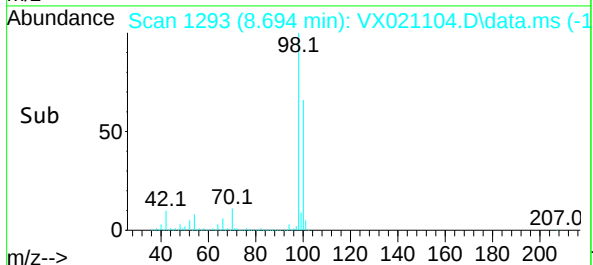
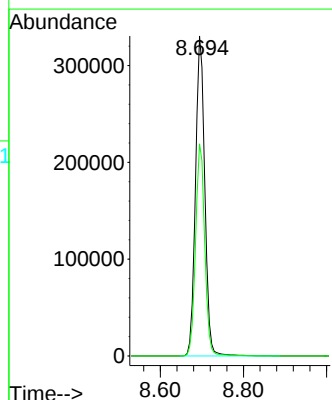
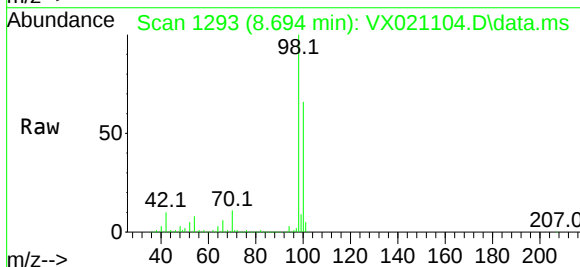
Instrument :
MSVOA_X
ClientSampled :

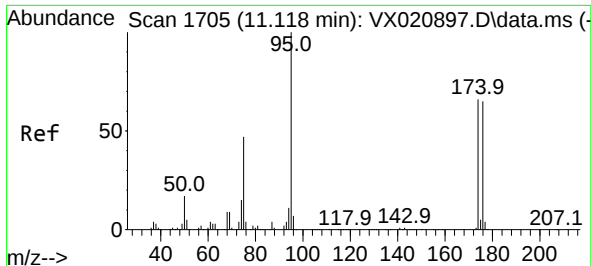
Tgt Ion:117 Resp: 20587
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.49 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 98 Resp: 512367
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

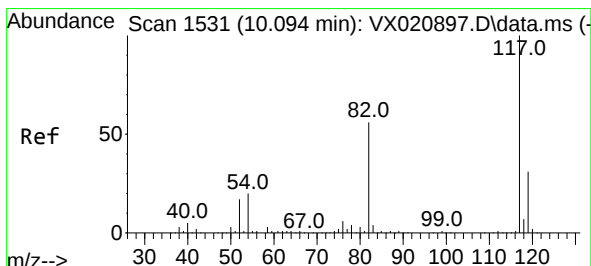
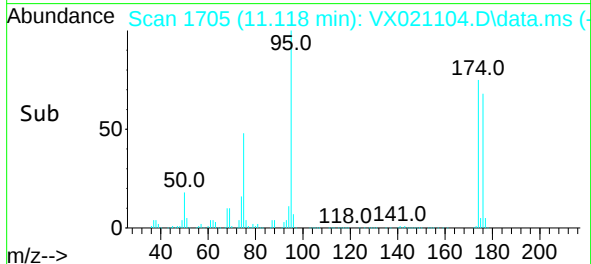
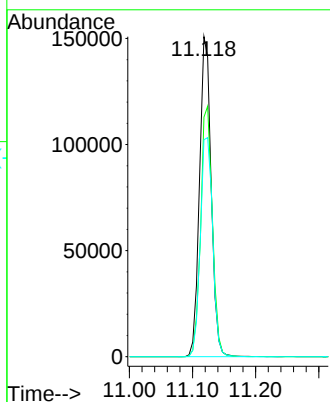
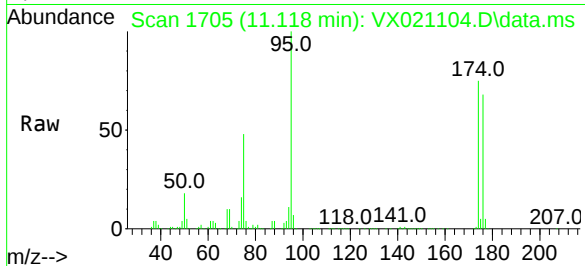




#62
4-Bromofluorobenzene
Concen: 54.58 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

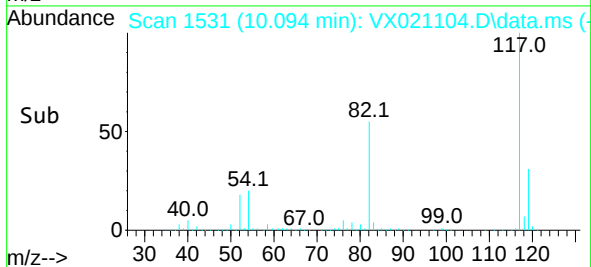
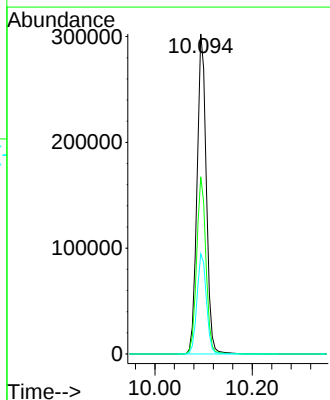
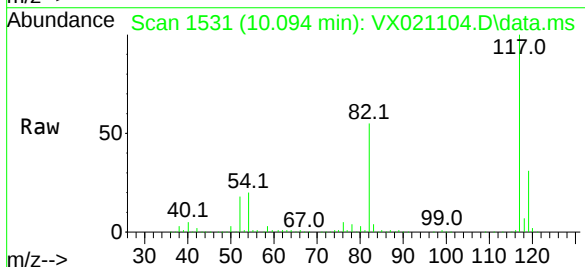
Instrument :
MSVOA_X
ClientSampled :

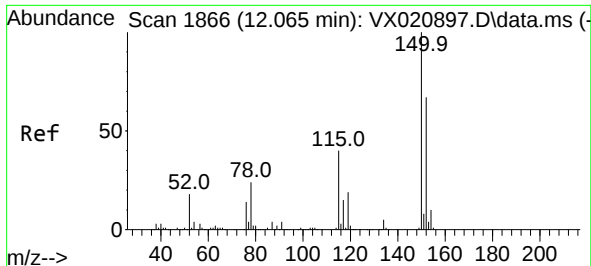
Tgt Ion: 95 Resp: 193331
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.6
176 72.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

Tgt Ion: 117 Resp: 401341
Ion Ratio Lower Upper
117 100
82 55.4 47.4 71.2
119 31.3 26.6 39.8

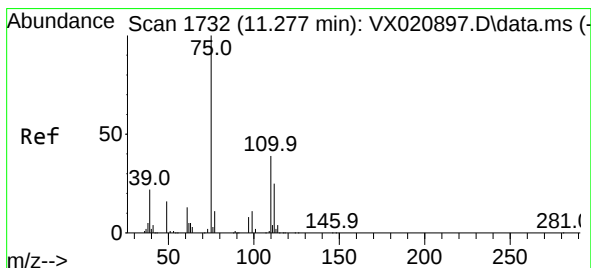
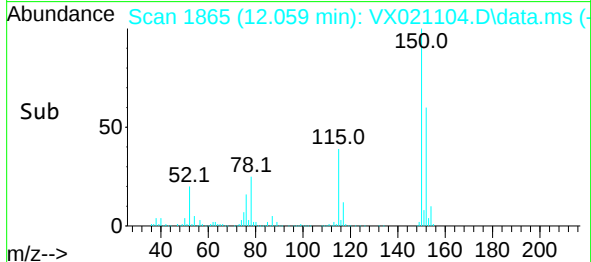
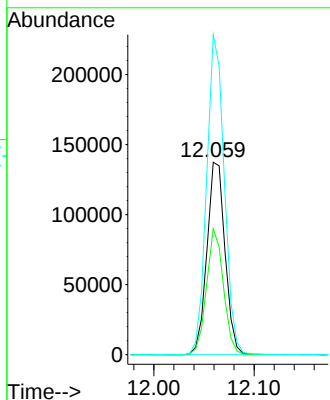
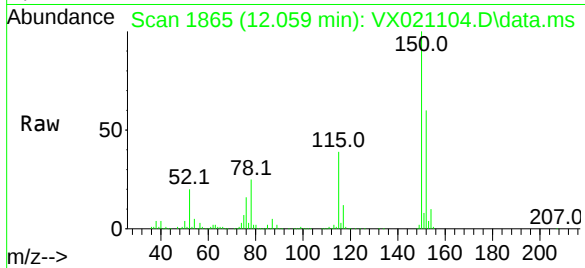




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

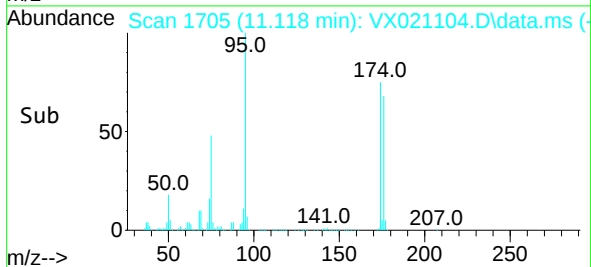
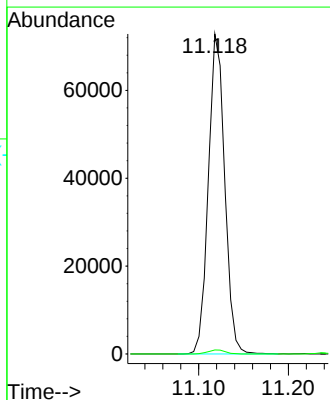
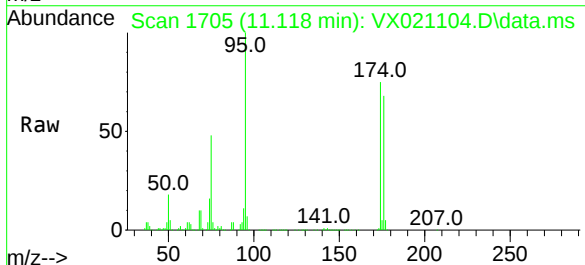
Instrument :
MSVOA_X
ClientSampled :

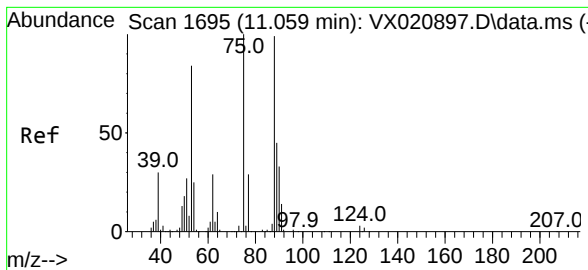
Tgt Ion:152 Resp: 172976
Ion Ratio Lower Upper
152 100
115 61.3 41.1 123.3
150 161.6 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 24.74 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021104.D
Acq: 09 Mar 2021 13:45

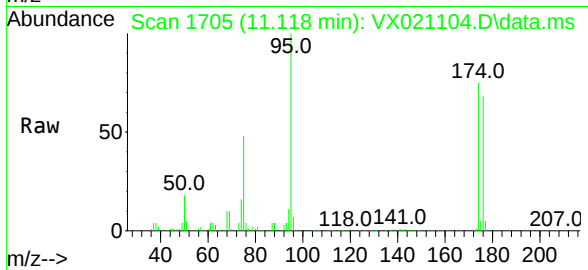
Tgt Ion: 75 Resp: 92077
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.78 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021104.D
 Acq: 09 Mar 2021 13:45

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 92077
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

