

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033021\
 Data File : VX021636.D
 Acq On : 30 Mar 2021 17:39
 Operator : JC/MD
 Sample : M1843-19
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20210325

Quant Time: Mar 31 05:00:35 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	5.623	168	58675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	106269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	109330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.065	152	42128	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49783	50.99	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.98%
35) Dibromofluoromethane	5.464	113	39426	52.23	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.46%
50) Toluene-d8	8.694	98	135258	50.28	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.56%
62) 4-Bromofluorobenzene	11.118	95	51221	48.98	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.96%

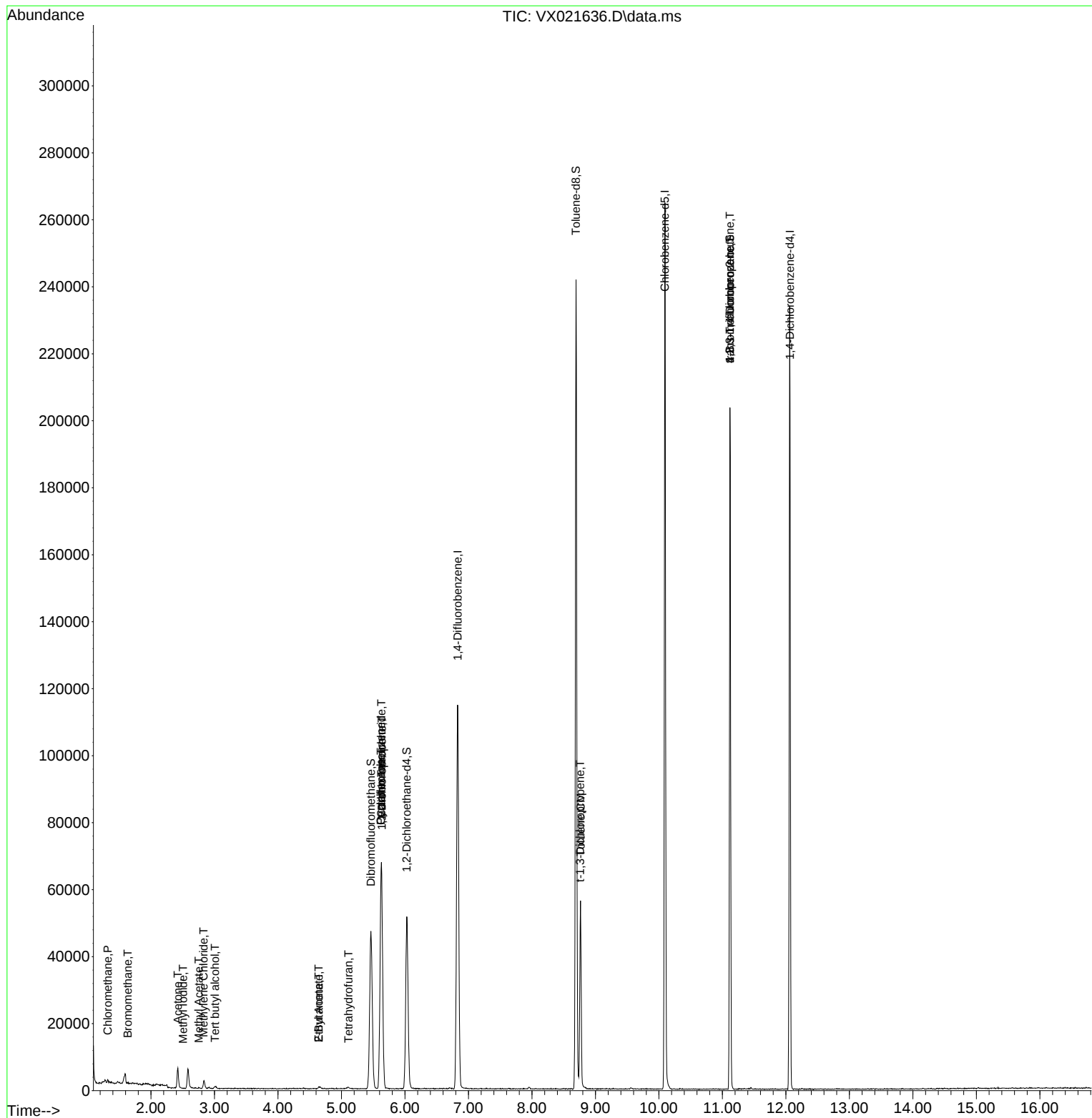
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1420	1.96	ug/l #	84
5) Bromomethane	1.634	94	72	0.27	ug/l #	17
10) Methyl Iodide	2.505	142	21	6.68	ug/l #	42
11) Tert butyl alcohol	3.005	59	635	3.93	ug/l #	86
16) Acetone	2.423	43	6047	16.38	ug/l #	88
18) Methyl Acetate	2.752	43	291	0.27	ug/l #	47
20) Methylene Chloride	2.828	84	1015	1.41	ug/l #	89
25) 2-Butanone	4.640	43	250	0.45	ug/l #	45
29) Tetrahydrofuran	5.111	42	340	0.94	ug/l #	37
31) Cyclohexane	5.623	56	1630	1.52	ug/l #	33
36) 1,1-Dichloropropene	5.635	75	5345	5.13	ug/l #	50
37) Ethyl Acetate	4.640	43	250	0.21	ug/l #	64
38) Carbon Tetrachloride	5.629	117	6347	5.67	ug/l #	17
52) Toluene	8.765	92	19572	10.72	ug/l	98
53) t-1,3-Dichloropropene	8.759	75	312	0.26	ug/l #	1
76) 1,2,3-Trichloropropane	11.118	75	28980	29.55	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	28980	90.01	ug/l #	12

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

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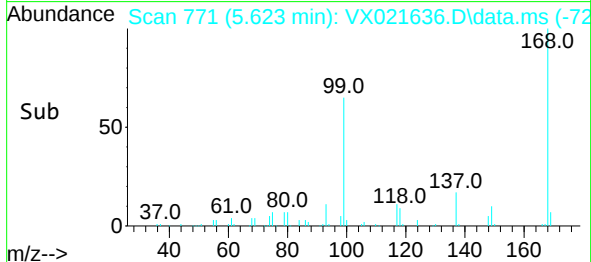
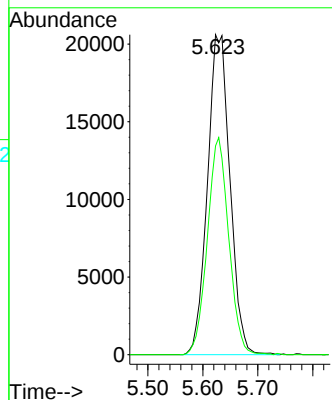
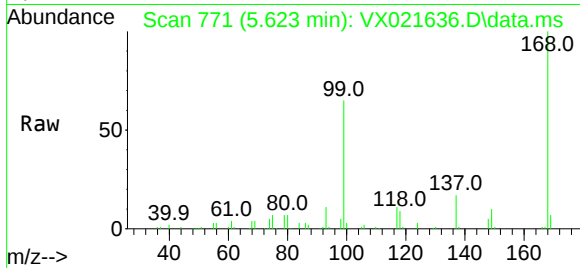




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.006 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

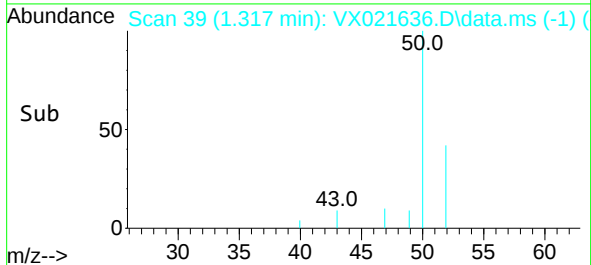
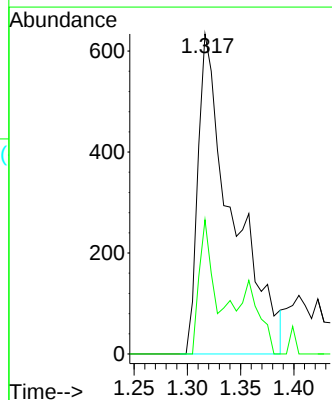
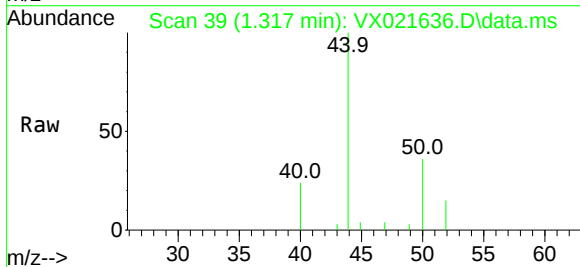
Instrument :
MSVOA_X
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FB01-20210325

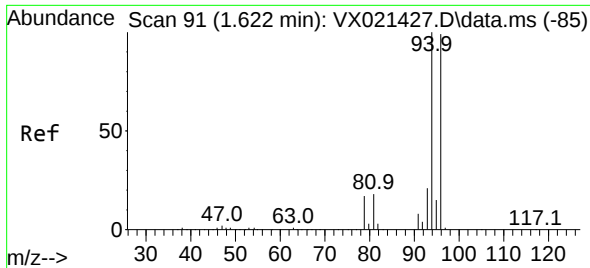
Tgt Ion:168 Resp: 58675
Ion Ratio Lower Upper
168 100
99 65.2 45.8 68.6



#3
Chloromethane
Concen: 1.96 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion: 50 Resp: 1420
Ion Ratio Lower Upper
50 100
52 42.0 26.4 39.6#

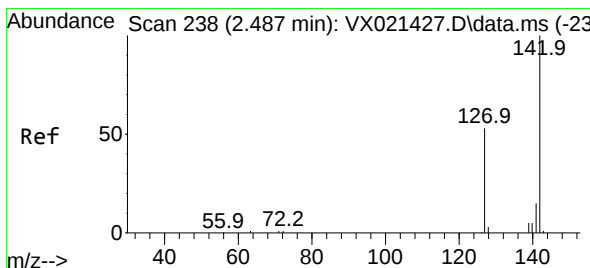
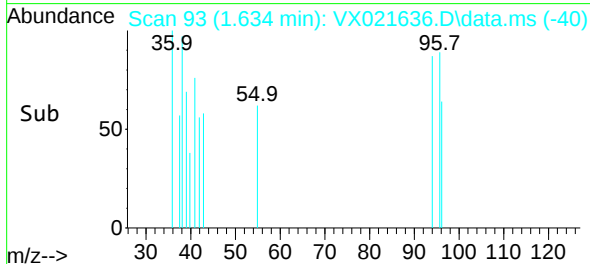
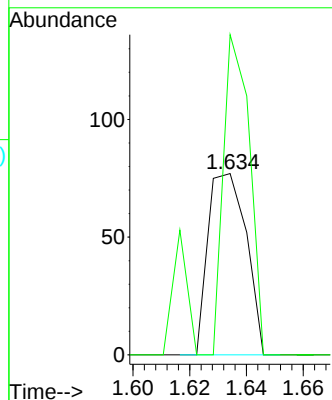
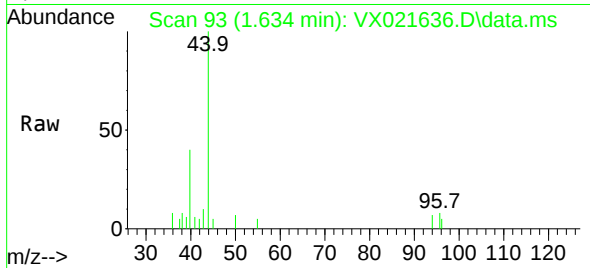




#5
Bromomethane
Concen: 0.27 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.012 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

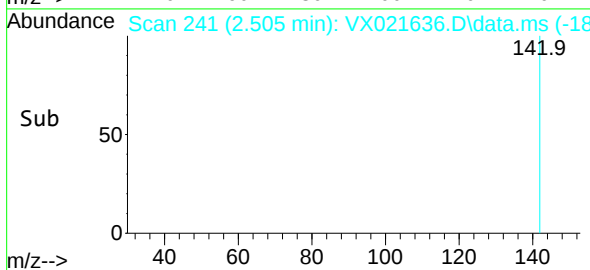
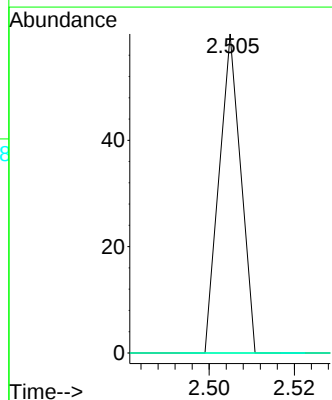
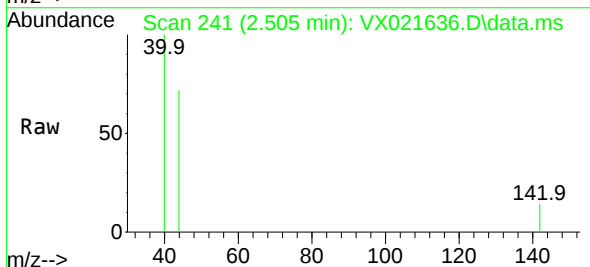
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

Tgt Ion: 94 Resp: 72
Ion Ratio Lower Upper
94 100
96 176.6 76.4 114.6#



#10
Methyl Iodide
Concen: 6.68 ug/l
RT: 2.505 min Scan# 241
Delta R.T. 0.018 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

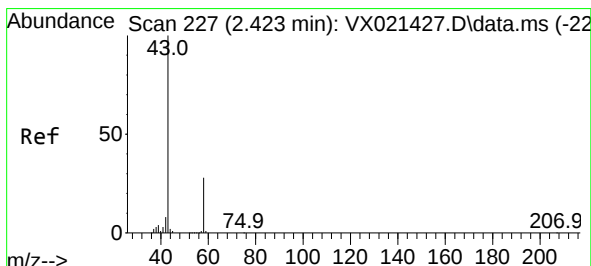
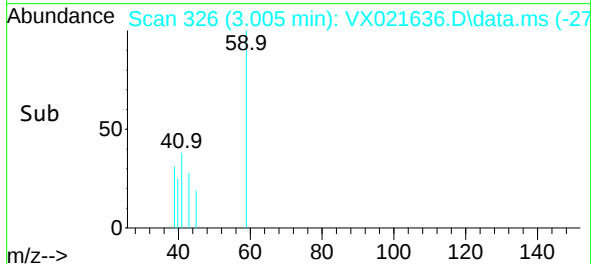
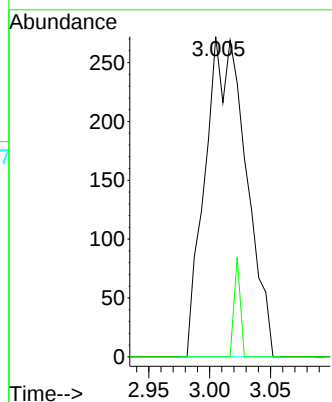
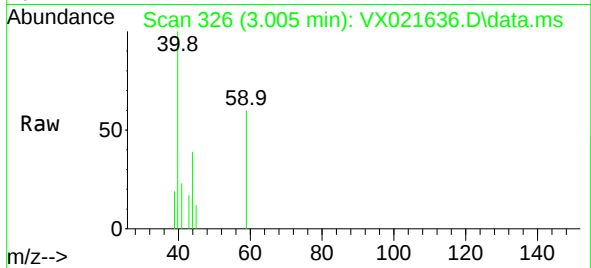




#11
Tert butyl alcohol
Concen: 3.93 ug/l
RT: 3.005 min Scan# 326
Delta R.T. -0.018 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

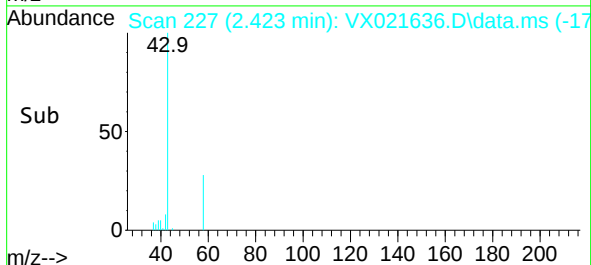
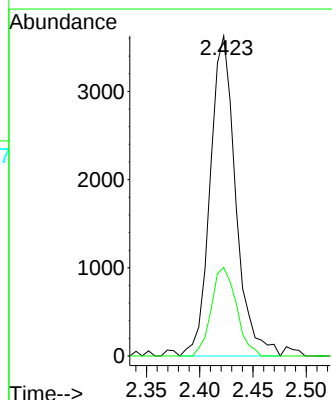
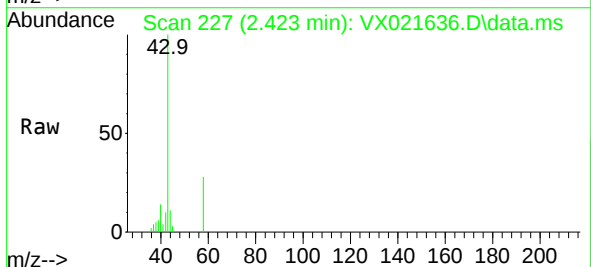
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

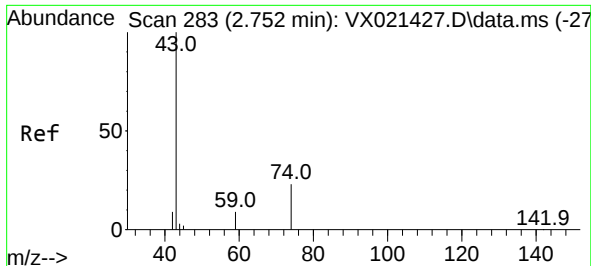
Tgt Ion: 59 Resp: 635
Ion Ratio Lower Upper
59 100
57 4.7 7.8 11.8#



#16
Acetone
Concen: 16.38 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

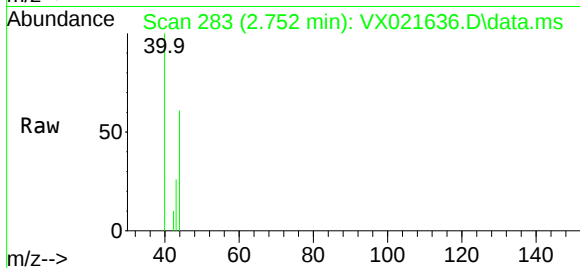
Tgt Ion: 43 Resp: 6047
Ion Ratio Lower Upper
43 100
58 27.6 27.8 41.8#



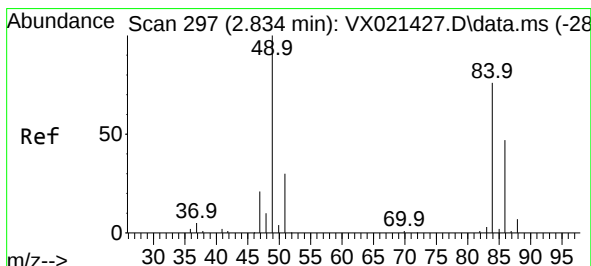
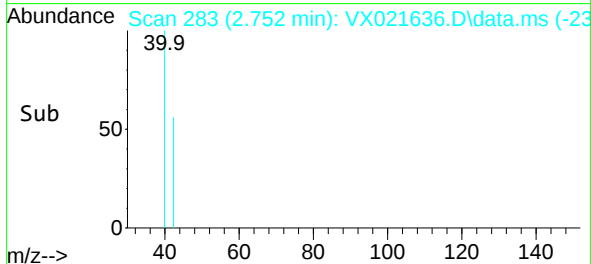
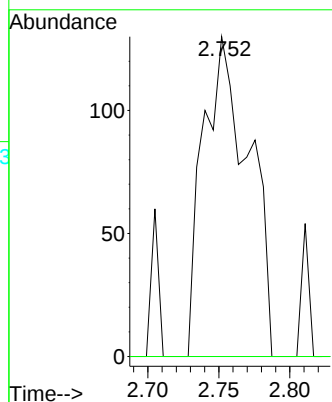


#18
Methyl Acetate
Concen: 0.27 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

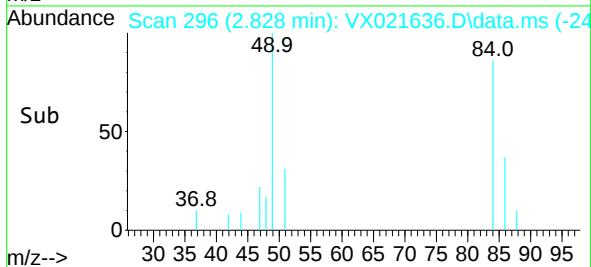
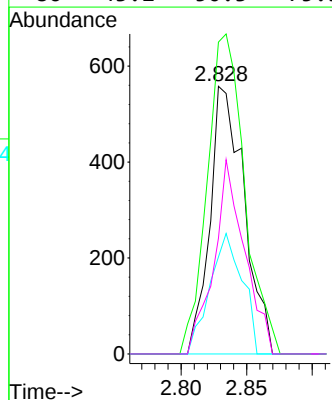
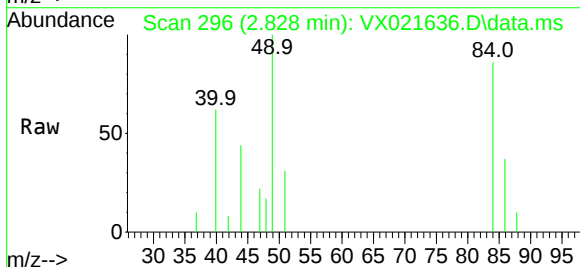


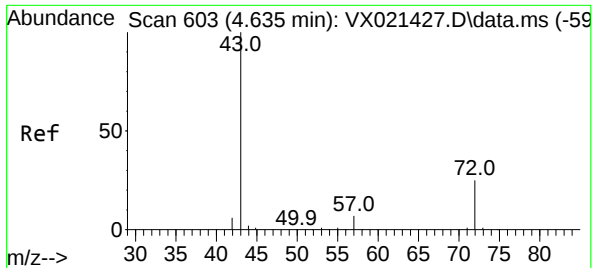
Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 1.41 ug/l
RT: 2.828 min Scan# 296
Delta R.T. -0.006 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion: 84 Resp: 1015
Ion Ratio Lower Upper
84 100
49 116.5 88.6 132.8
51 36.2 27.0 40.6
86 43.2 50.3 75.5#

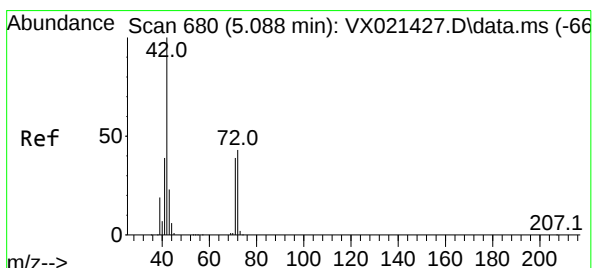
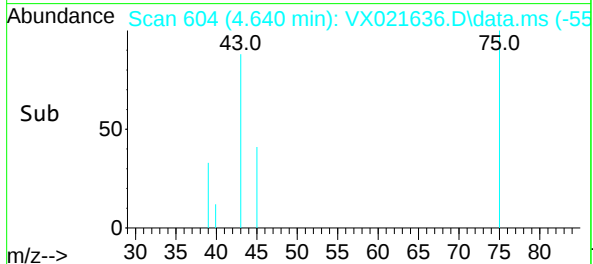
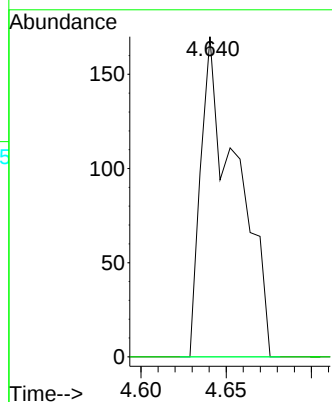
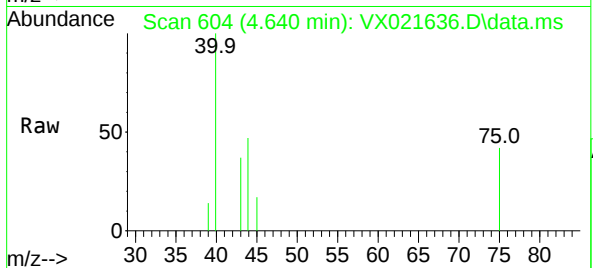




#25
2-Butanone
Concen: 0.45 ug/l
RT: 4.640 min Scan# 604
Delta R.T. 0.005 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

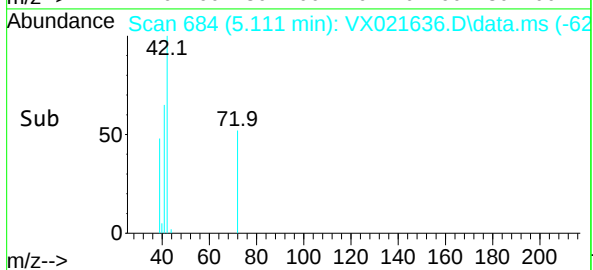
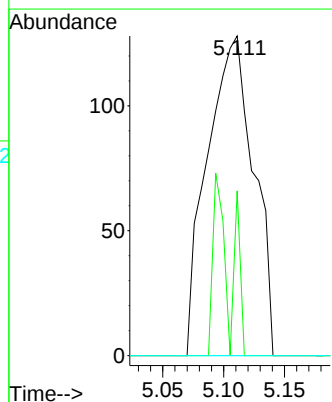
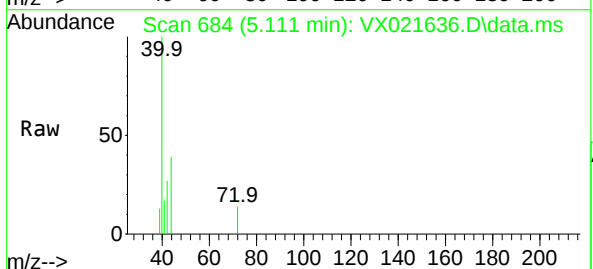
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

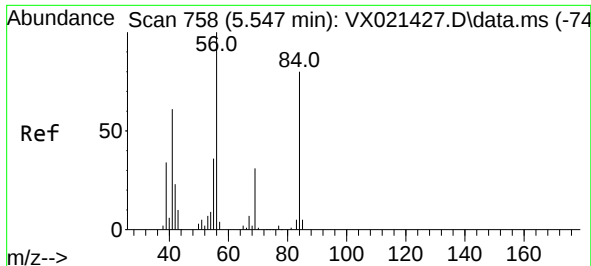
Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.94 ug/l
RT: 5.111 min Scan# 684
Delta R.T. 0.023 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

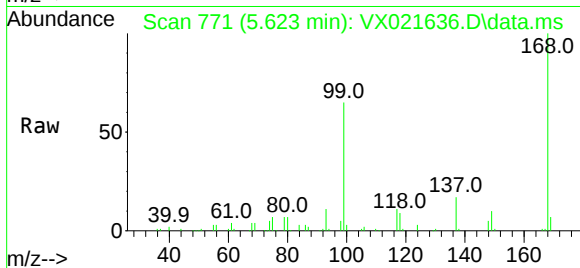
Tgt Ion: 42 Resp: 340
Ion Ratio Lower Upper
42 100
72 13.2 41.7 62.5#
71 0.0 38.4 57.6#



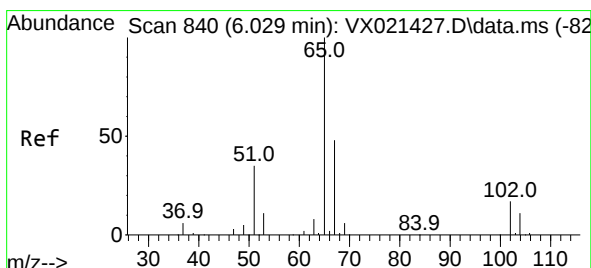
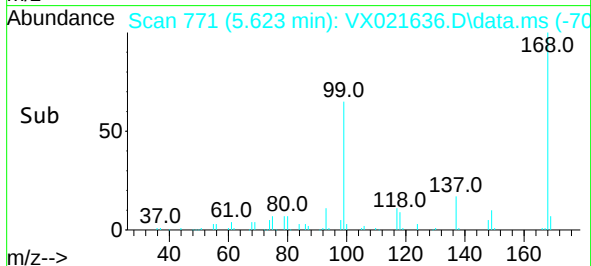
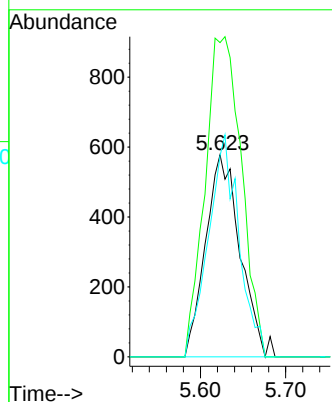


#31
Cyclohexane
Concen: 1.52 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

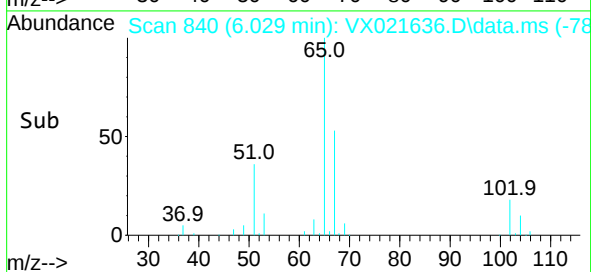
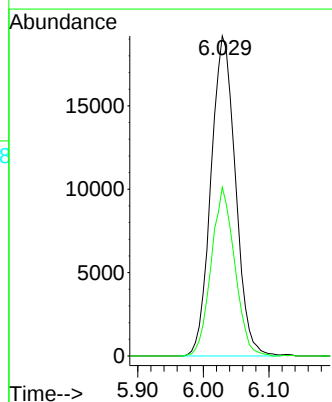
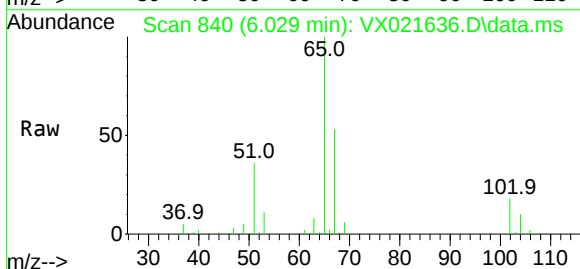


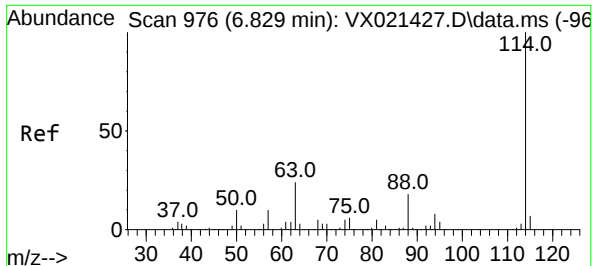
Tgt Ion: 56 Resp: 1630
Ion Ratio Lower Upper
56 100
69 155.5 25.3 37.9#
84 99.5 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 50.99 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion: 65 Resp: 49783
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.4

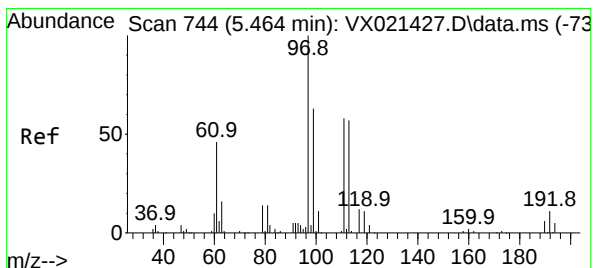
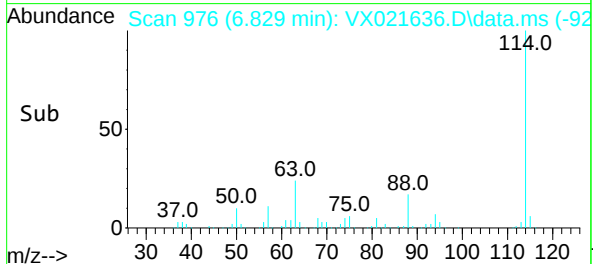
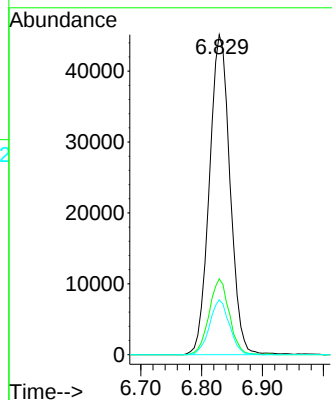
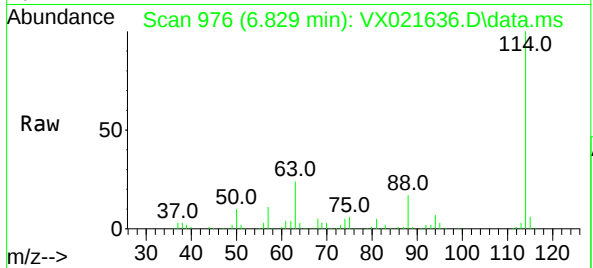




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

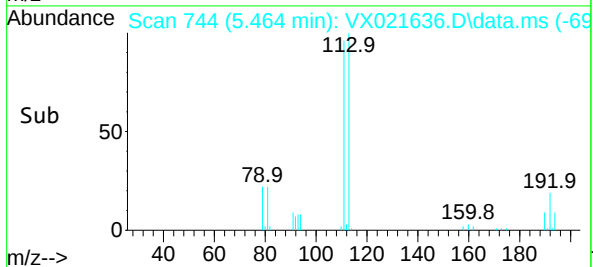
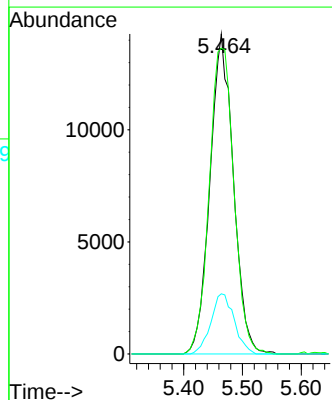
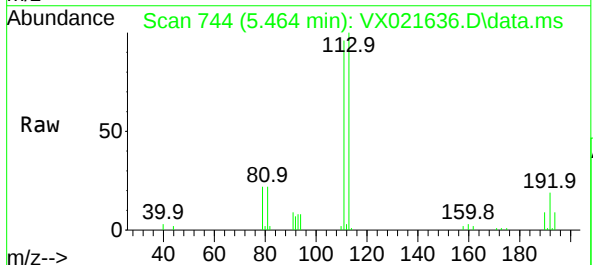
Instrument :
MSVOA_X
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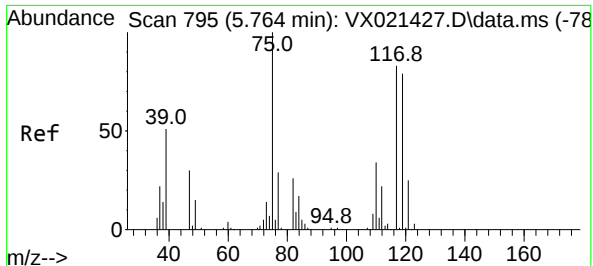
Tgt Ion:114 Resp: 106269
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 17.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.23 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion:113 Resp: 39426
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 18.8 16.7 25.1

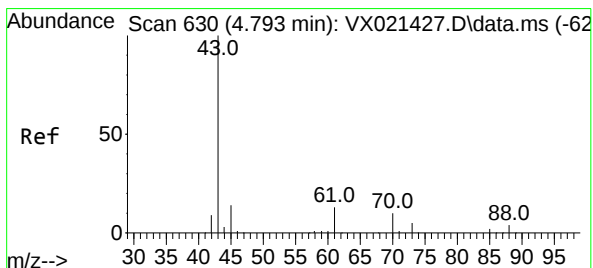
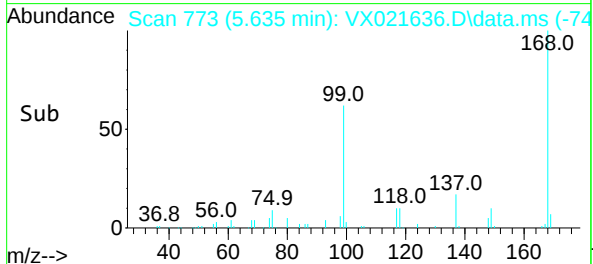
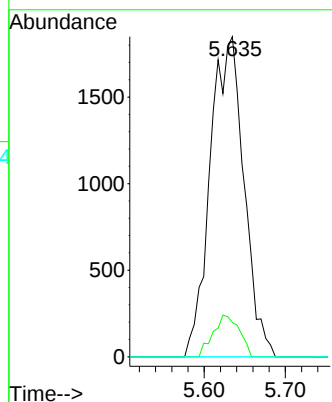
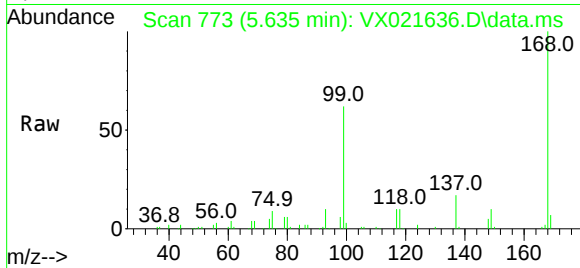




#36
1,1-Dichloropropene
Concen: 5.13 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.129 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

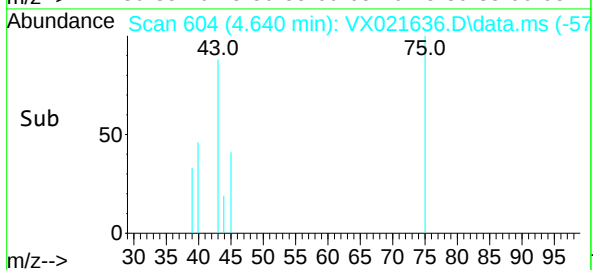
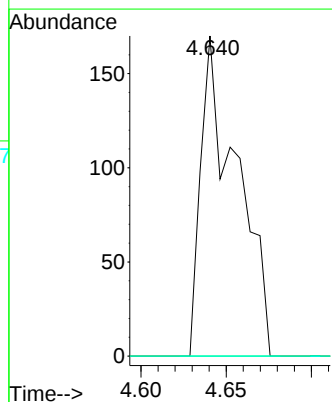
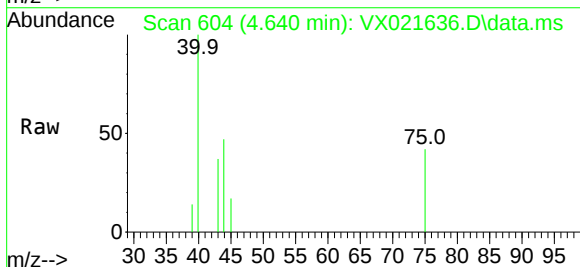
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

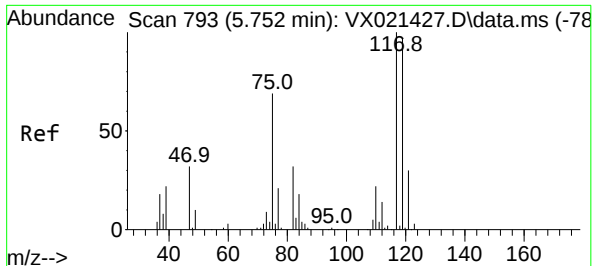
Tgt Ion: 75 Resp: 5345
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 0.21 ug/l
RT: 4.640 min Scan# 604
Delta R.T. -0.153 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

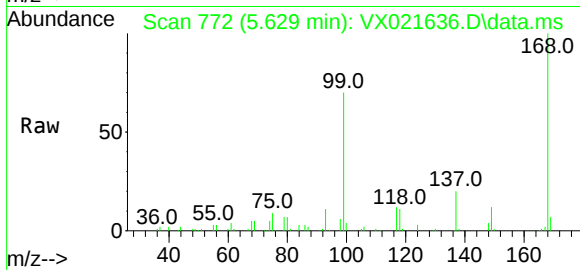
Tgt Ion: 43 Resp: 250
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



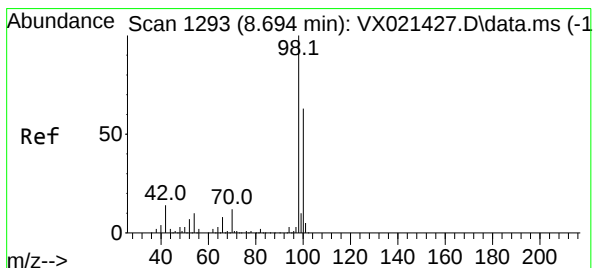
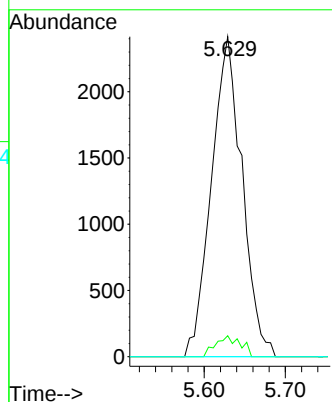
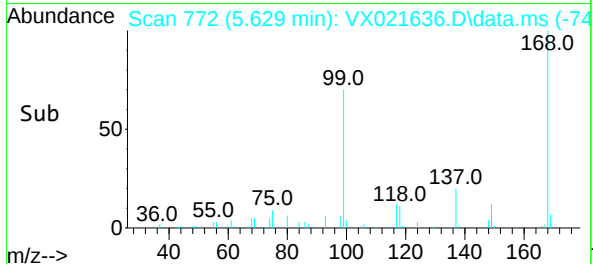


#38
Carbon Tetrachloride
Concen: 5.67 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.123 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

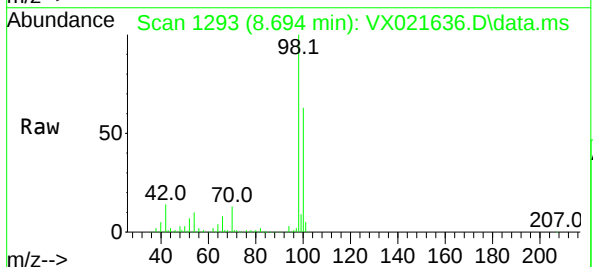
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325



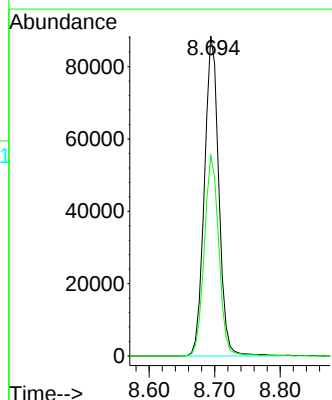
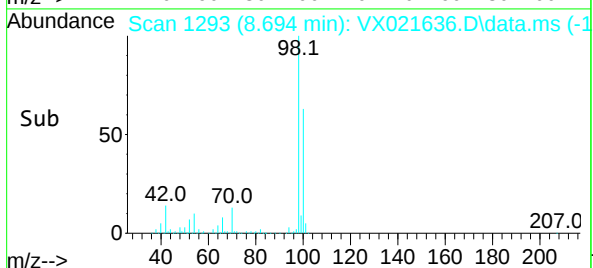
Tgt Ion:117 Resp: 6347
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.2#
121 0.0 24.8 37.2#

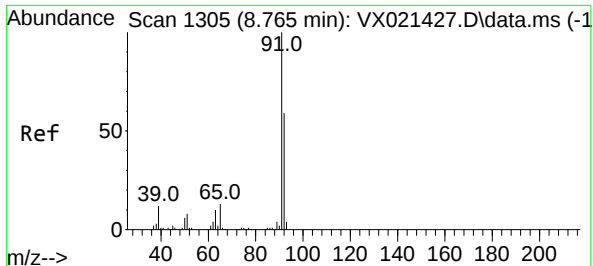


#50
Toluene-d8
Concen: 50.28 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39



Tgt Ion: 98 Resp: 135258
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9





#52

Toluene

Concen: 10.72 ug/l

RT: 8.765 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VX021636.D

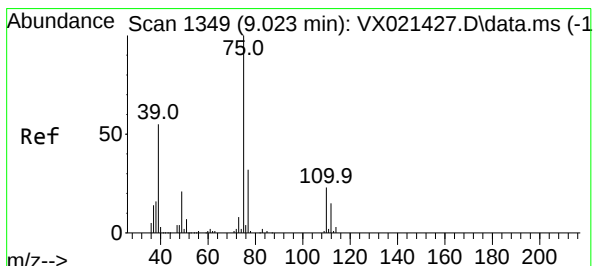
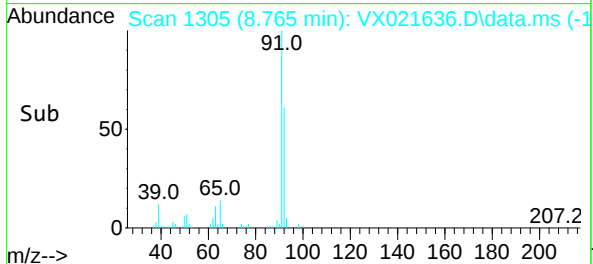
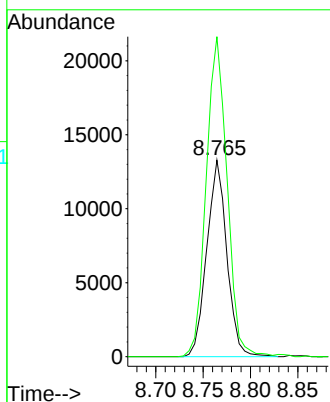
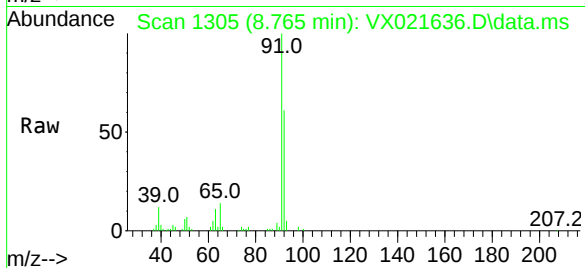
Acq: 30 Mar 2021 17:39

Tgt Ion: 92 Resp: 19572

Ion Ratio Lower Upper

92 100

91 168.7 137.1 205.7



#53

t-1,3-Dichloropropene

Concen: 0.26 ug/l

RT: 8.759 min Scan# 1304

Delta R.T. -0.264 min

Lab File: VX021636.D

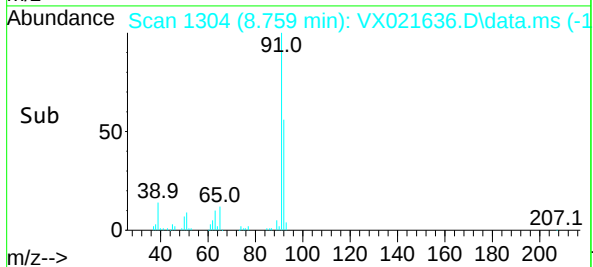
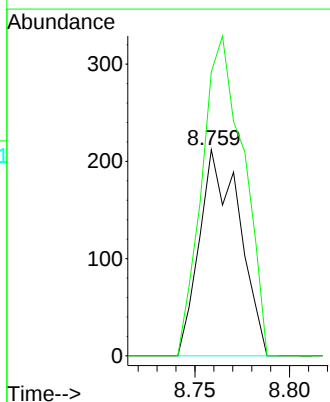
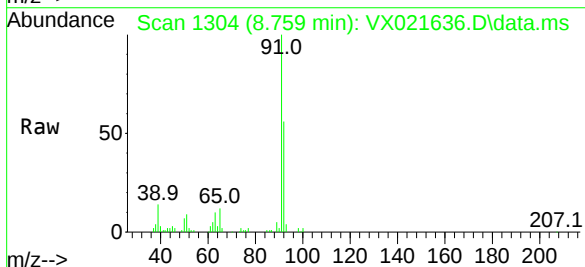
Acq: 30 Mar 2021 17:39

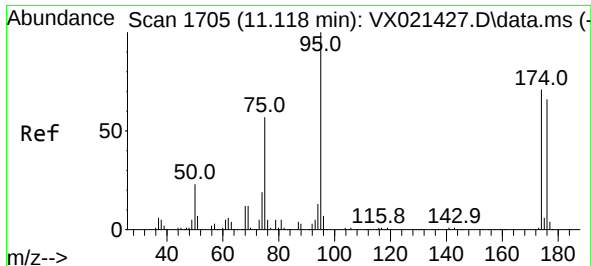
Tgt Ion: 75 Resp: 312

Ion Ratio Lower Upper

75 100

77 137.7 24.9 37.3#

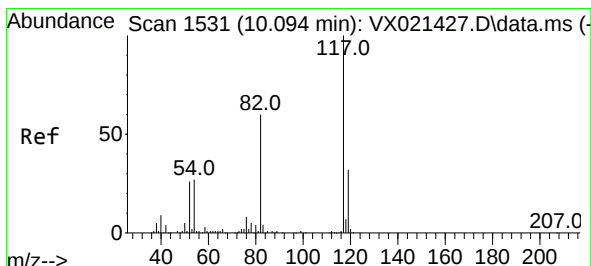
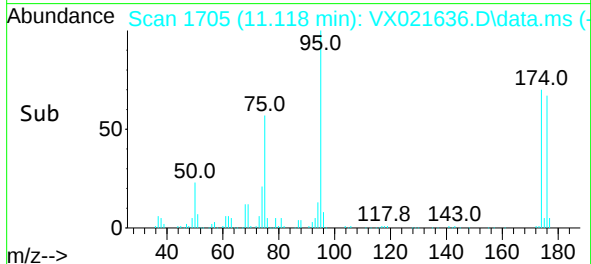
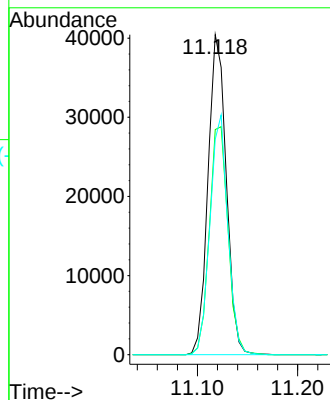
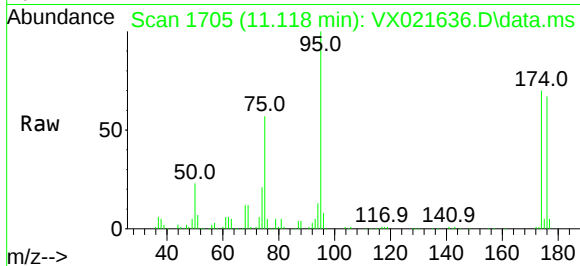




#62
4-Bromofluorobenzene
Concen: 48.98 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

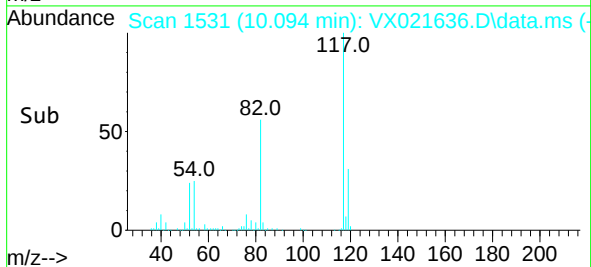
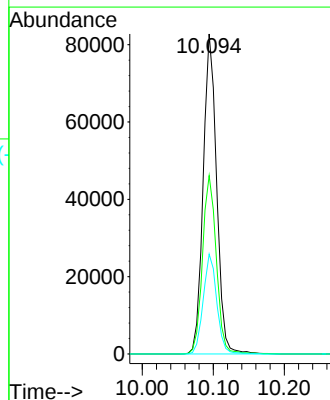
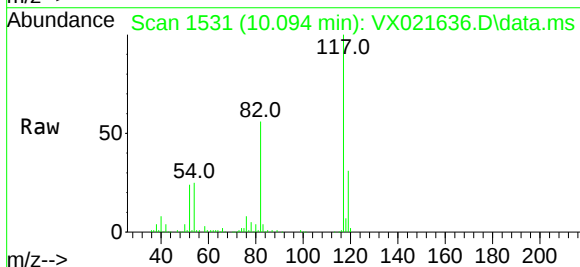
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

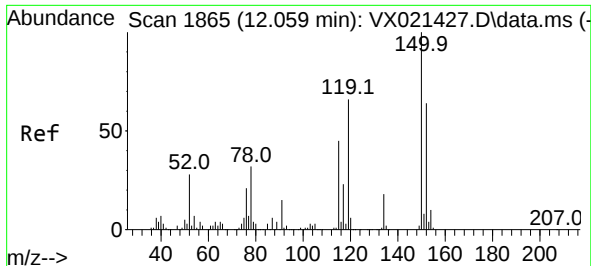
Tgt Ion:	95	Resp:	51221
Ion Ratio	Lower	Upper	
95	100		
174	73.2	0.0	154.6
176	73.4	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

Tgt Ion:	117	Resp:	109330
Ion Ratio	Lower	Upper	
117	100		
82	55.7	47.4	71.2
119	31.2	26.6	39.8

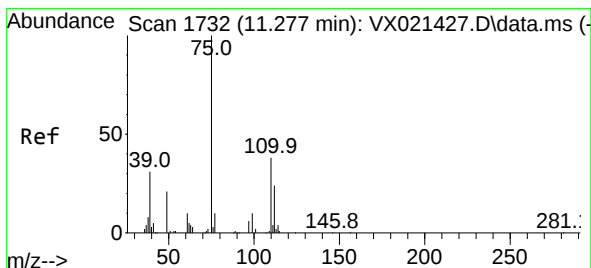
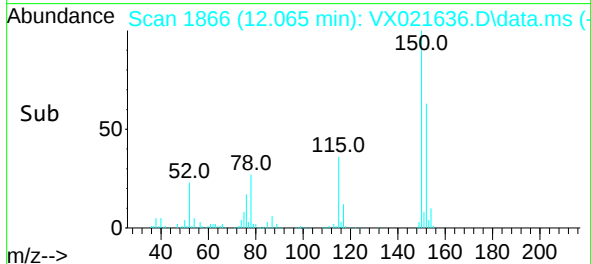
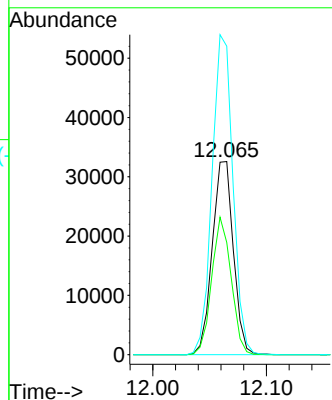
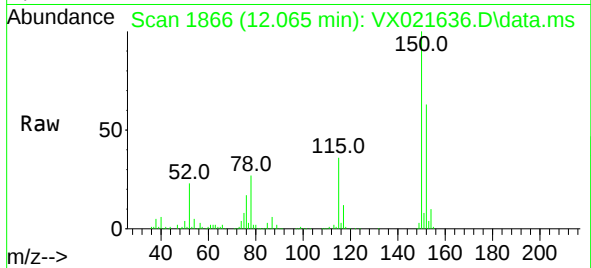




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.065 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

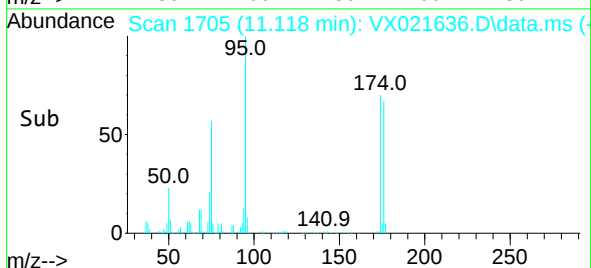
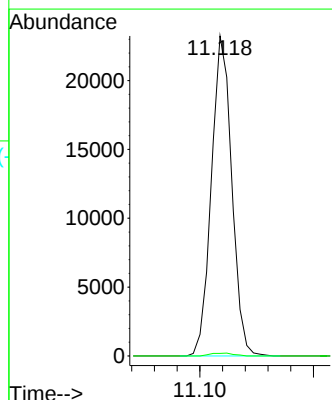
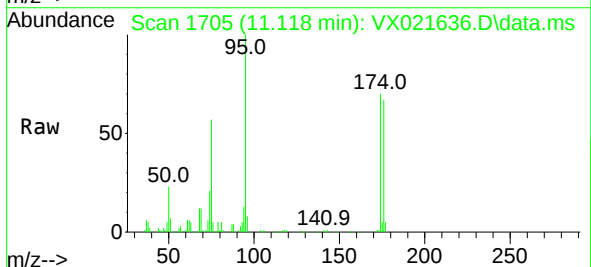
Instrument :
MSVOA_X
ClientSampleId :
FB01-20210325

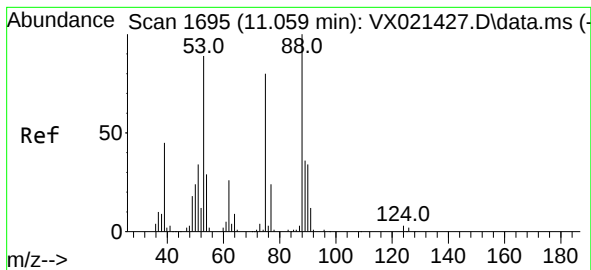
Tgt Ion:152 Resp: 42128
Ion Ratio Lower Upper
152 100
115 65.3 41.1 123.3
150 163.3 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 29.55 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021636.D
Acq: 30 Mar 2021 17:39

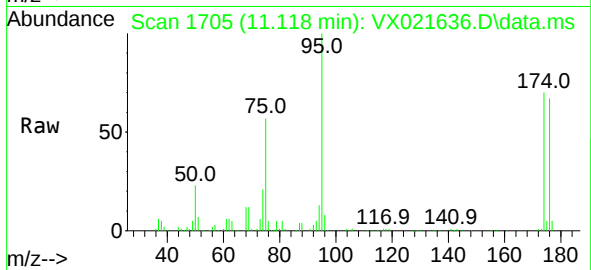
Tgt Ion: 75 Resp: 28980
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.01 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021636.D
 Acq: 30 Mar 2021 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20210325



Tgt Ion: 75 Resp: 28980
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

