

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040121\
 Data File : VX021716.D
 Acq On : 01 Apr 2021 18:14
 Operator : JC/MD
 Sample : M1895-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-7

Quant Time: Apr 02 03:30:46 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

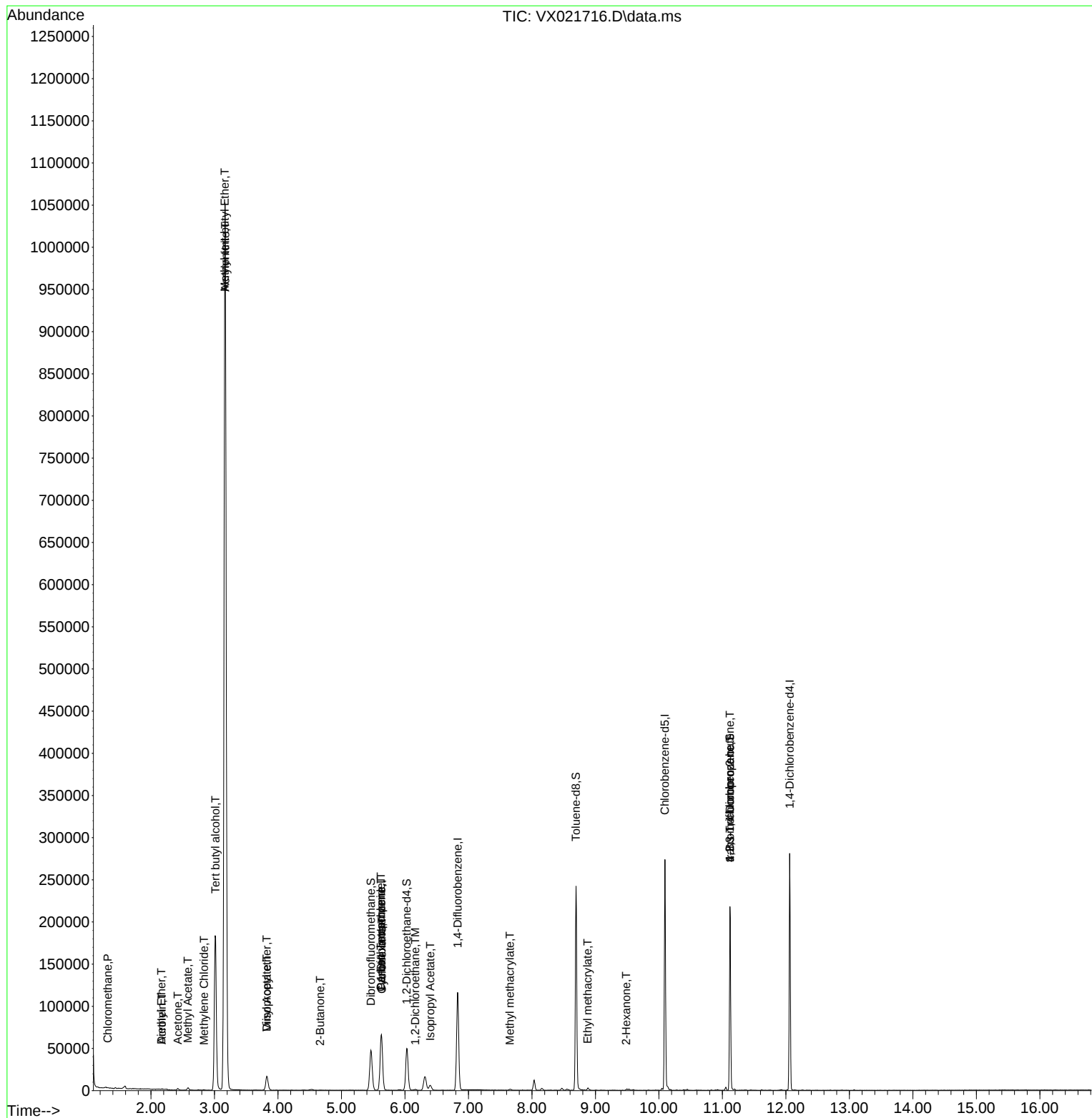
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.629	168	58385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	107121	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	112459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	51456	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	49593	51.05	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.10%	
35) Dibromofluoromethane	5.464	113	38807	51.00	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.00%	
50) Toluene-d8	8.694	98	135090	49.82	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.64%	
62) 4-Bromofluorobenzene	11.118	95	54806	51.99	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.98%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.317	50	887	1.24	ug/l #	87
8) Diethyl Ether	2.164	74	115	0.31	ug/l #	1
11) Tert butyl alcohol	3.017	59	196190	1221.61	ug/l	97
13) Acrolein	2.170	56	39	4.77	ug/l #	14
15) Acrylonitrile	3.170	53	13312	34.88	ug/l #	27
16) Acetone	2.423	43	2064	5.62	ug/l	94
18) Methyl Acetate	2.581	43	992	0.93	ug/l #	47
19) Methyl tert-butyl Ether	3.164	73	1123772	511.44	ug/l	98
20) Methylene Chloride	2.834	84	193	0.27	ug/l #	46
22) Diisopropyl ether	3.823	45	16908	7.29	ug/l #	85
23) Vinyl Acetate	3.823	43	9723	4.95	ug/l #	68
25) 2-Butanone	4.664	43	168	0.30	ug/l #	45
31) Cyclohexane	5.635	56	1506	1.41	ug/l #	17
36) 1,1-Dichloropropene	5.623	75	5174	4.93	ug/l #	50
38) Carbon Tetrachloride	5.623	117	6323	5.61	ug/l #	18
42) 1,2-Dichloroethane	6.164	62	1187	0.92	ug/l #	73
43) Isopropyl Acetate	6.400	43	2356	1.20	ug/l #	31
48) Methyl methacrylate	7.653	41	516	0.49	ug/l #	25
56) Ethyl methacrylate	8.876	69	339	2.33	ug/l #	1
59) 2-Hexanone	9.482	43	318	0.35	ug/l #	19
76) 1,2,3-Trichloropropane	11.118	75	30746	25.67	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	30746	78.18	ug/l #	12

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

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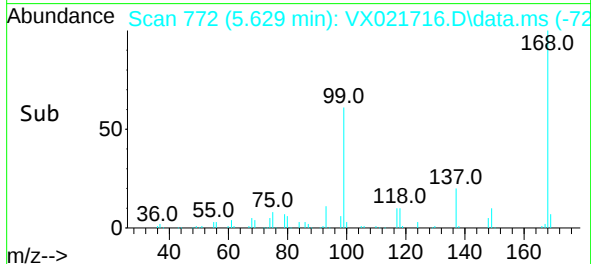
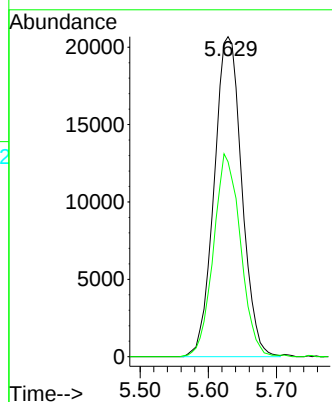
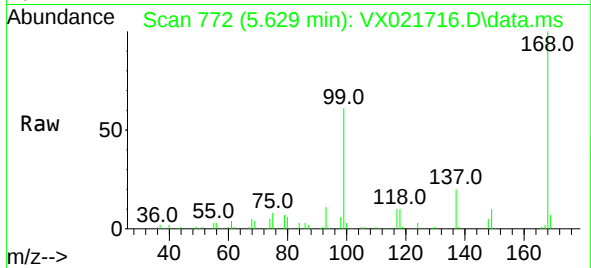




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

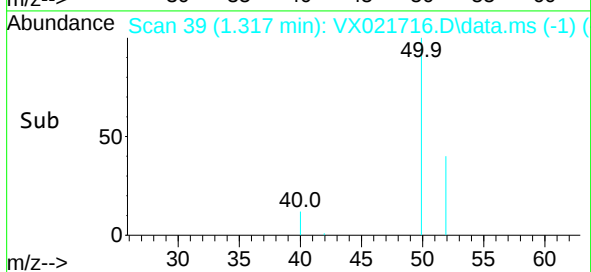
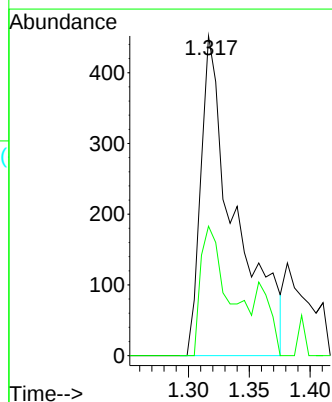
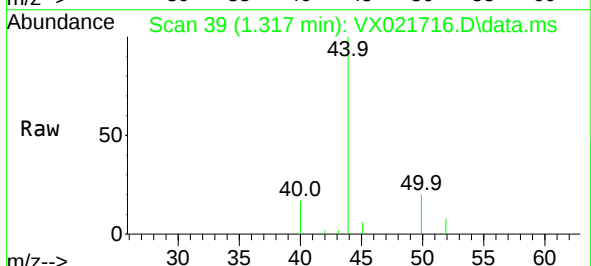
Instrument :
MSVOA_X
ClientSampleId :
MW-7

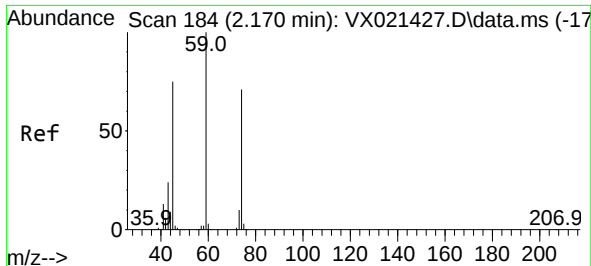
Tgt Ion:168 Resp: 58385
Ion Ratio Lower Upper
168 100
99 60.9 45.8 68.6



#3
Chloromethane
Concen: 1.24 ug/l
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

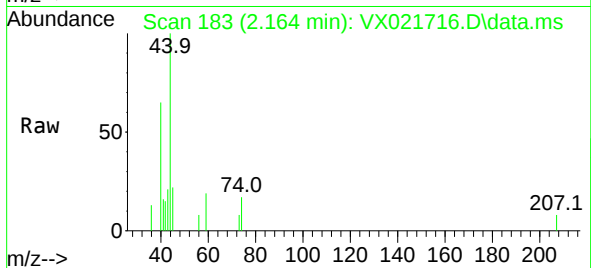
Tgt Ion: 50 Resp: 887
Ion Ratio Lower Upper
50 100
52 40.5 26.4 39.6#



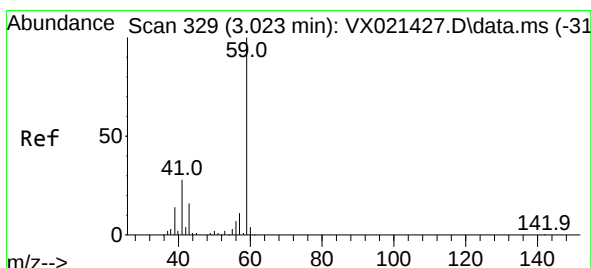
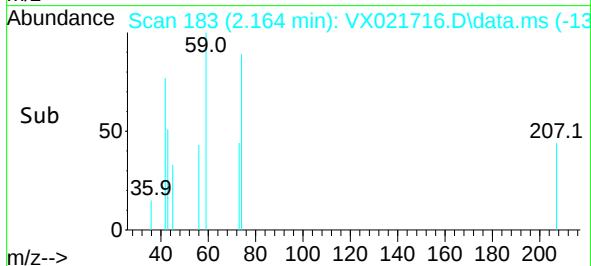
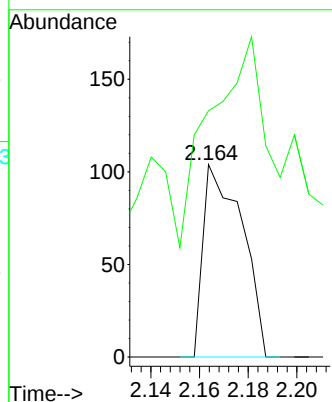


#8
Diethyl Ether
Concen: 0.31 ug/l
RT: 2.164 min Scan# 183
Delta R.T. -0.006 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Instrument :
MSVOA_X
ClientSampled :
MW-7

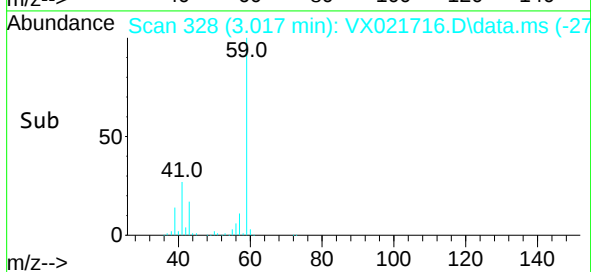
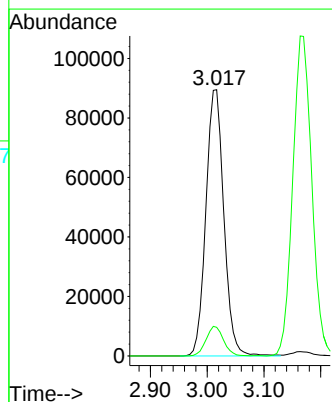
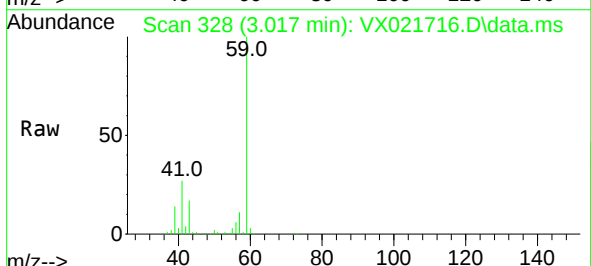


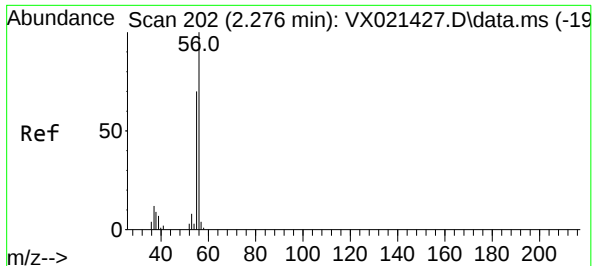
Tgt Ion: 74 Resp: 115
Ion Ratio Lower Upper
74 100
45 199.1 44.5 133.5#



#11
Tert butyl alcohol
Concen: 1221.61 ug/l
RT: 3.017 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 59 Resp: 196190
Ion Ratio Lower Upper
59 100
57 10.9 7.8 11.8

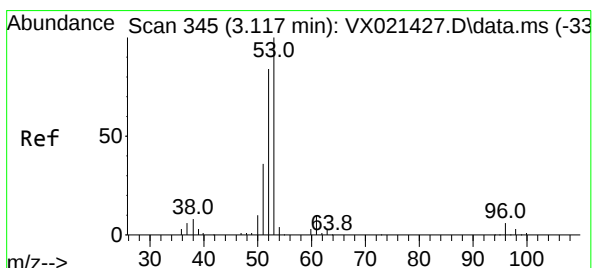
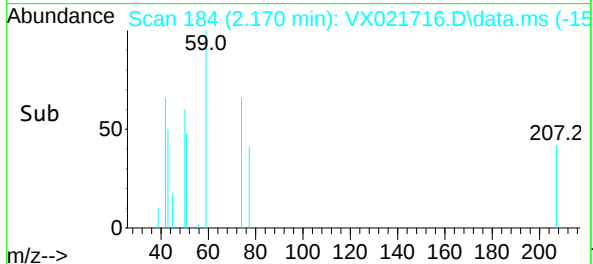
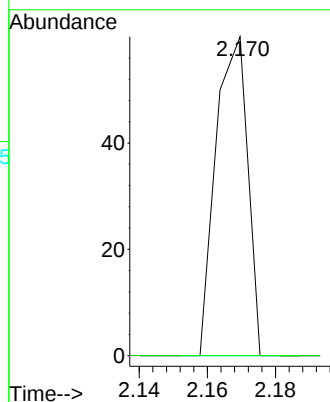
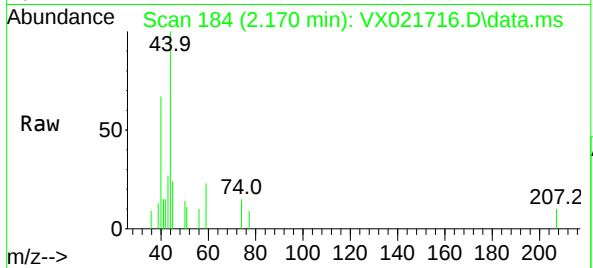




#13
Acrolein
Concen: 4.77 ug/l
RT: 2.170 min Scan# 184
Delta R.T. -0.106 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

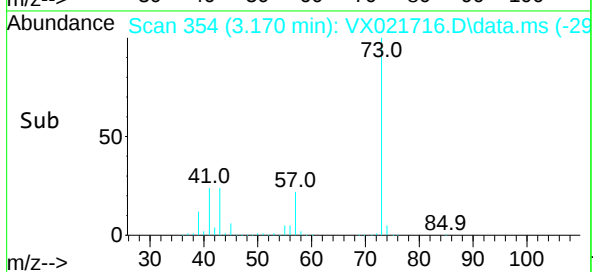
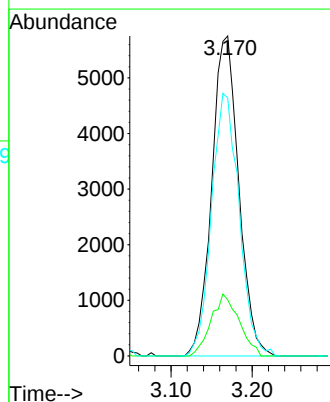
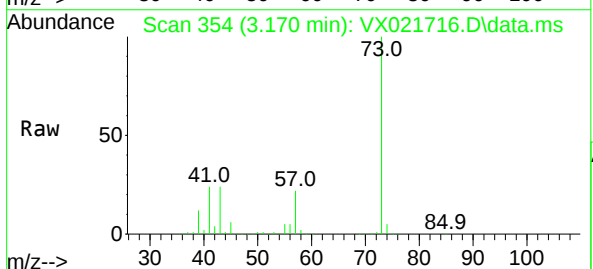
Instrument :
MSVOA_X
ClientSampled :
MW-7

Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#15
Acrylonitrile
Concen: 34.88 ug/l
RT: 3.170 min Scan# 354
Delta R.T. 0.053 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 53 Resp: 13312
Ion Ratio Lower Upper
53 100
52 20.0 65.3 97.9#
51 83.8 28.2 42.2#

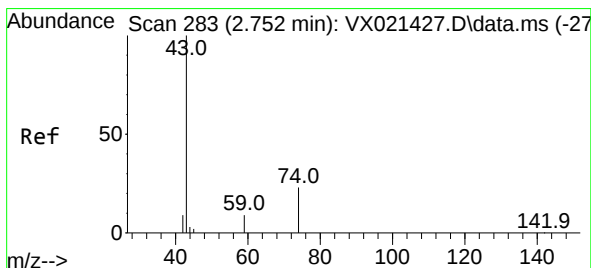
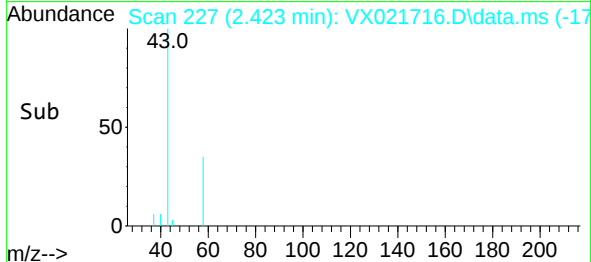
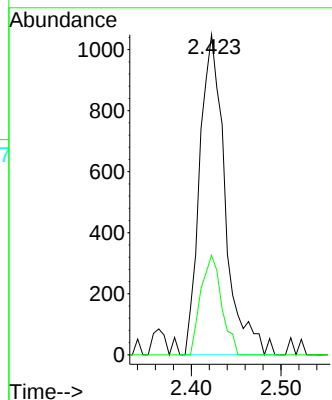
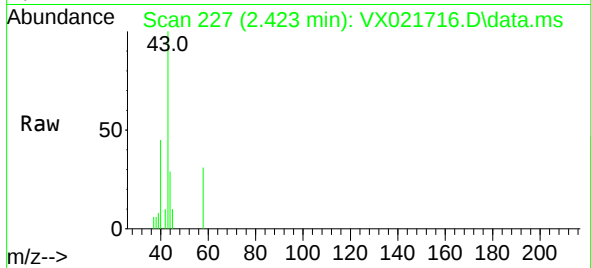




#16
Acetone
Concen: 5.62 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

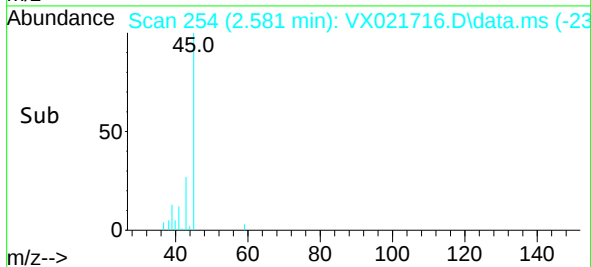
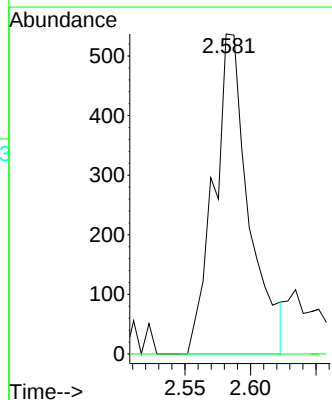
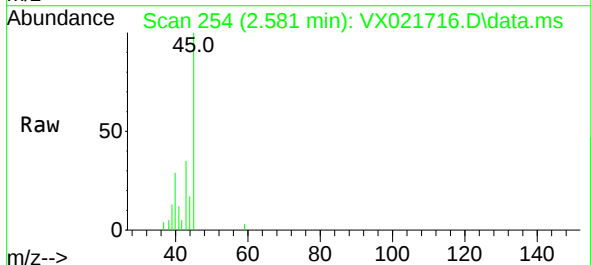
Instrument :
MSVOA_X
ClientSampled :
MW-7

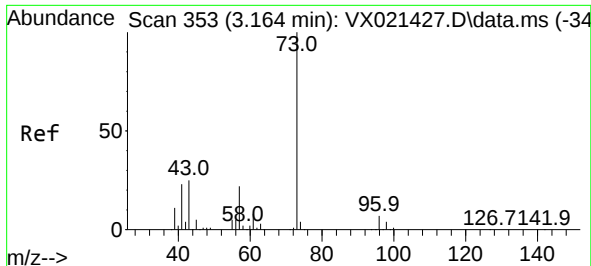
Tgt Ion: 43 Resp: 2064
Ion Ratio Lower Upper
43 100
58 31.1 27.8 41.8



#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 2.581 min Scan# 254
Delta R.T. -0.171 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



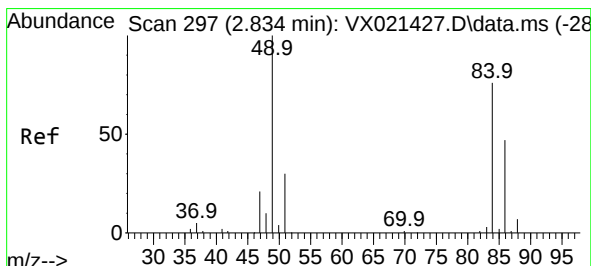
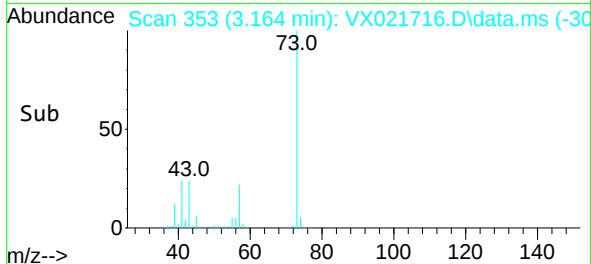
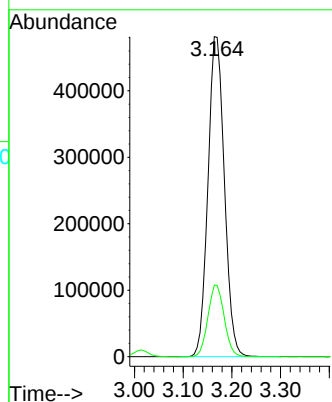
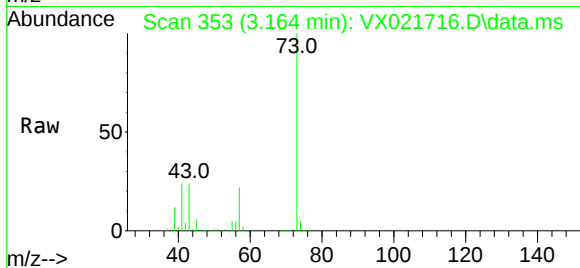


#19

Methyl tert-butyl Ether
Concen: 511.44 ug/l
RT: 3.164 min Scan# 353
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Instrument :
MSVOA_X
ClientSampled :
MW-7

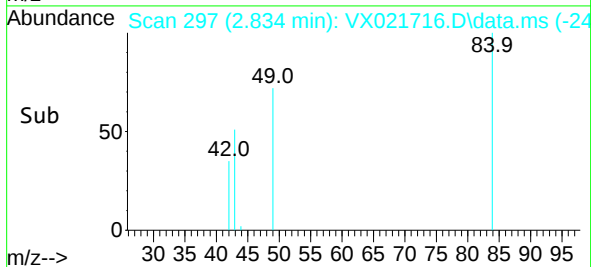
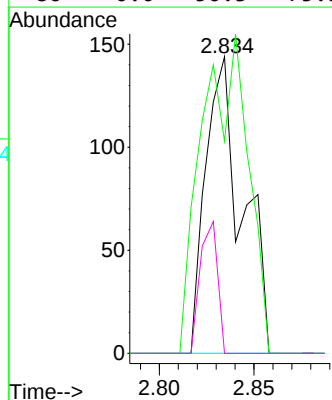
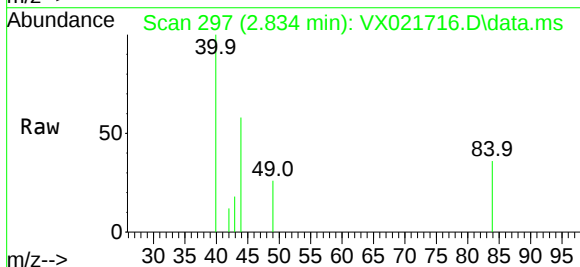
Tgt Ion: 73 Resp: 1123772
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7

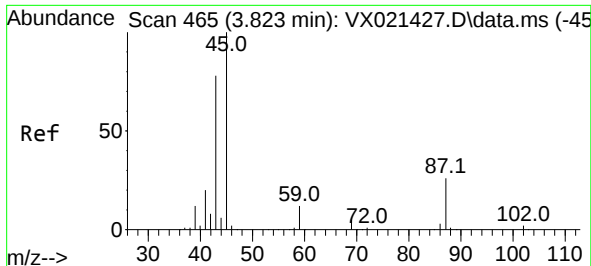


#20

Methylene Chloride
Concen: 0.27 ug/l
RT: 2.834 min Scan# 297
Delta R.T. 0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 84 Resp: 193
Ion Ratio Lower Upper
84 100
49 71.5 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#

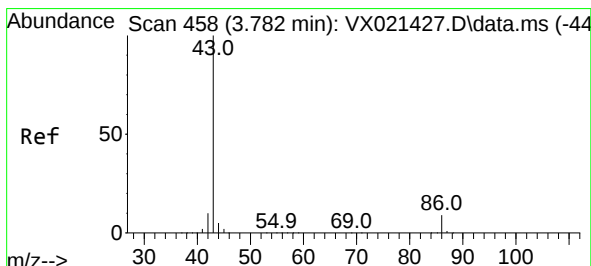
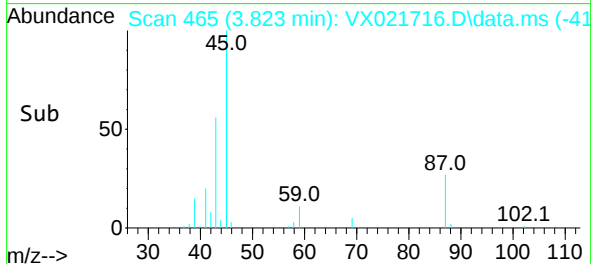
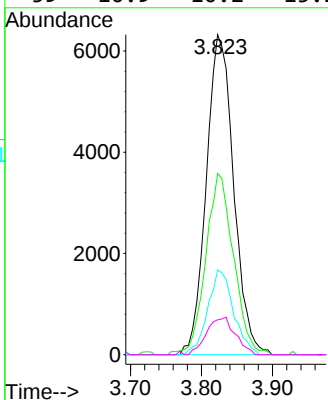
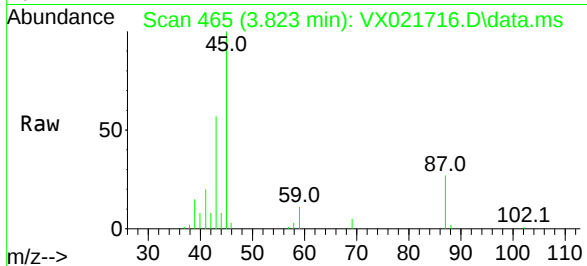




#22
Diisopropyl ether
Concen: 7.29 ug/l
RT: 3.823 min Scan# 465
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

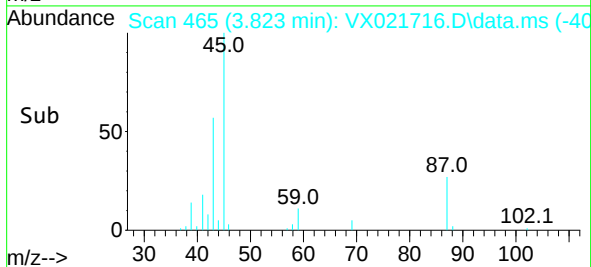
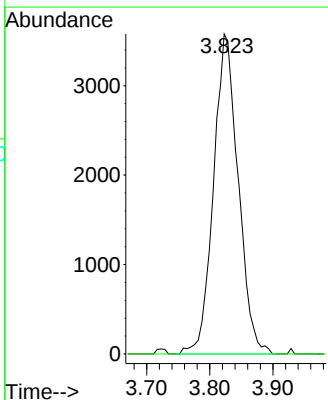
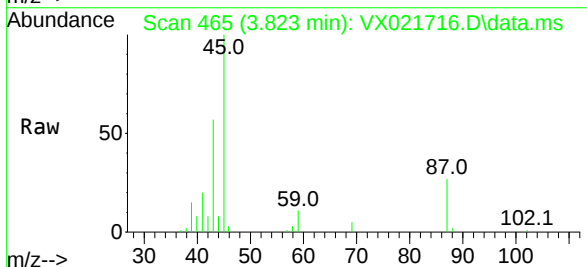
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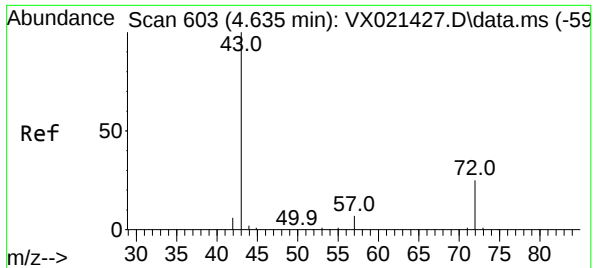
Tgt Ion:	45	Resp:	16908
Ion	Ratio	Lower	Upper
45	100		
43	56.6	58.0	87.0#
87	26.5	25.4	38.0
59	10.9	10.2	15.2



#23
Vinyl Acetate
Concen: 4.95 ug/l
RT: 3.823 min Scan# 465
Delta R.T. 0.041 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion:	43	Resp:	9723
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#

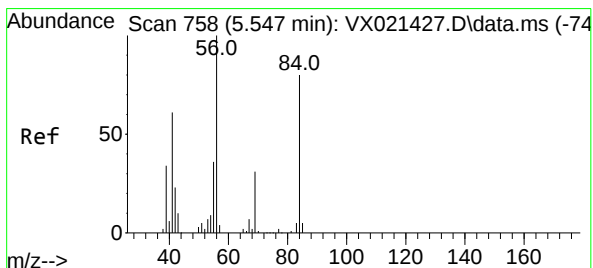
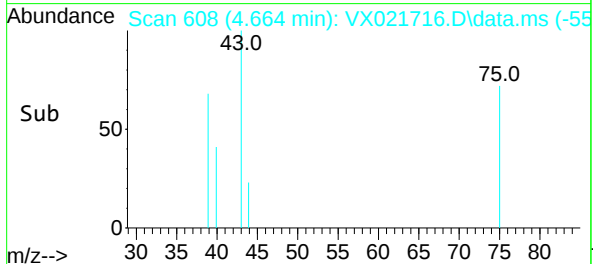
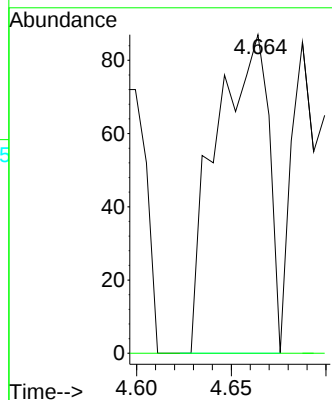
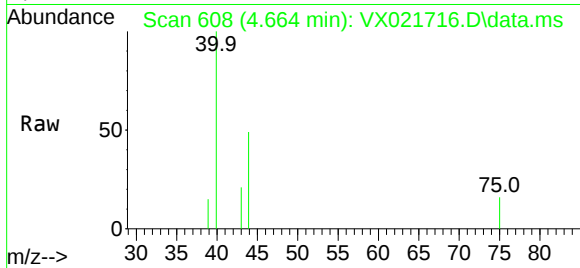




#25
2-Butanone
Concen: 0.30 ug/l
RT: 4.664 min Scan# 608
Delta R.T. 0.029 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

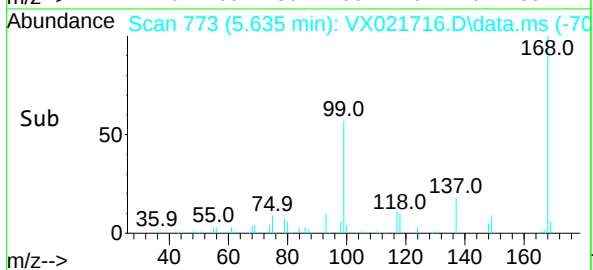
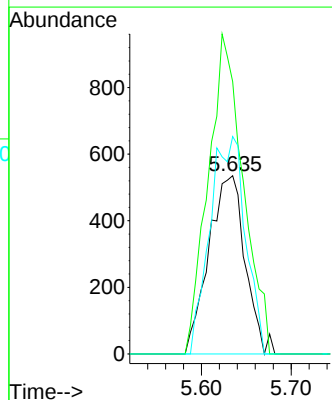
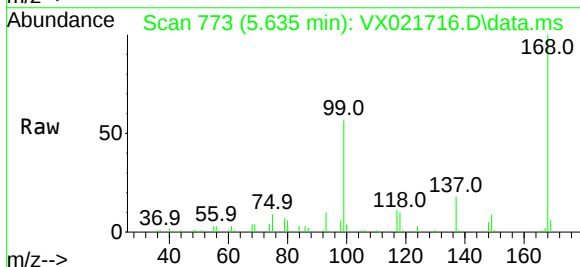
Instrument :
MSVOA_X
ClientSampled :
MW-7

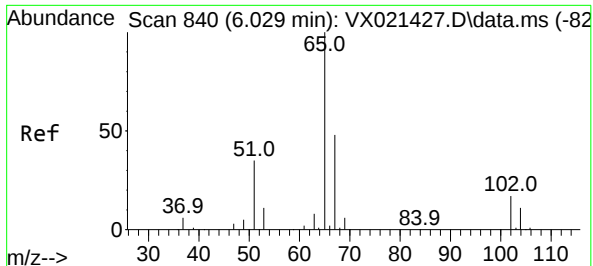
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.41 ug/l
RT: 5.635 min Scan# 773
Delta R.T. 0.088 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 56 Resp: 1506
Ion Ratio Lower Upper
56 100
69 152.9 25.3 37.9#
84 122.1 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.05 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021716.D

Acq: 01 Apr 2021 18:14

Tgt Ion: 65 Resp: 49593

Ion Ratio Lower Upper

65 100

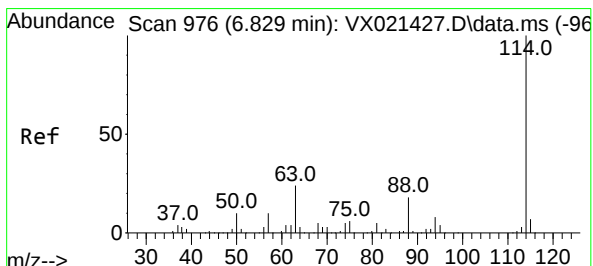
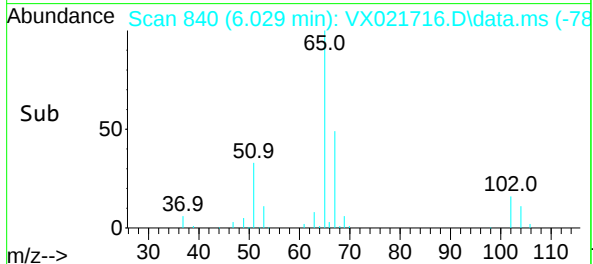
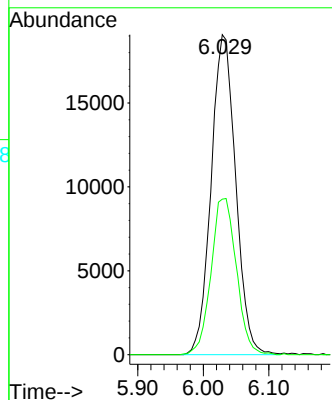
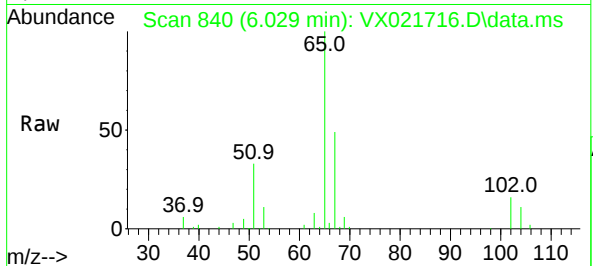
67 50.4 0.0 105.4

Instrument :

MSVOA_X

ClientSampled :

MW-7



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.829 min Scan# 976

Delta R.T. 0.000 min

Lab File: VX021716.D

Acq: 01 Apr 2021 18:14

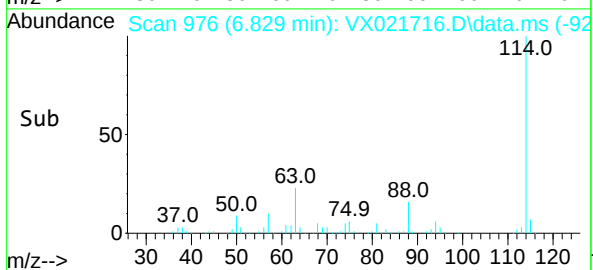
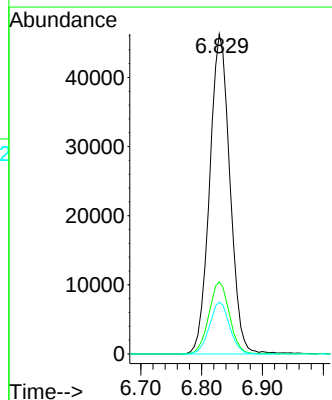
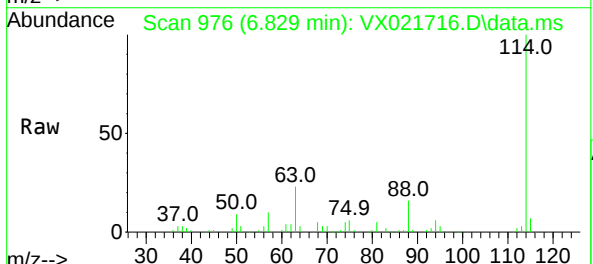
Tgt Ion: 114 Resp: 107121

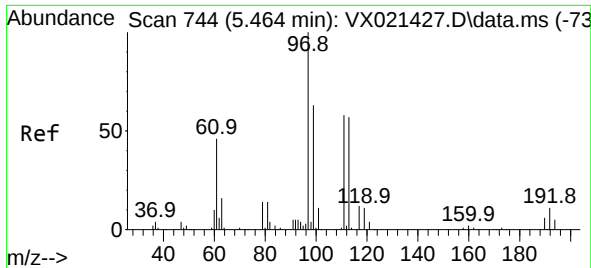
Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

88 16.2 0.0 32.8

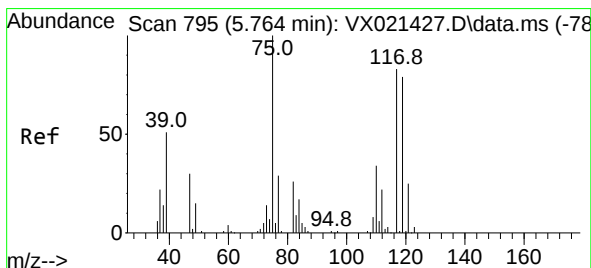
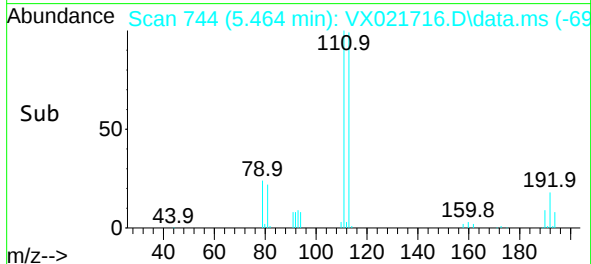
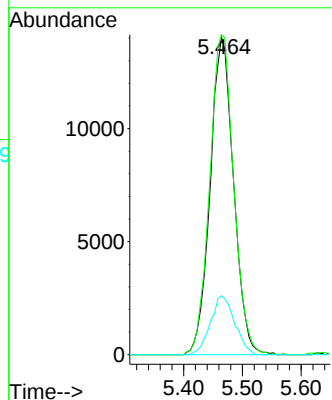
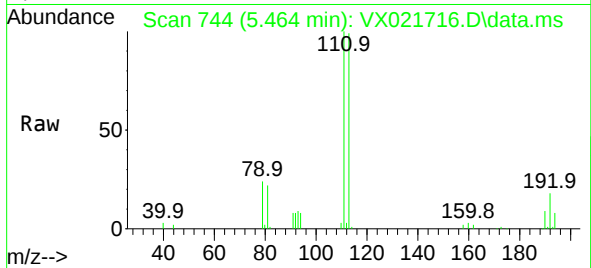




#35
Dibromofluoromethane
Concen: 51.00 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

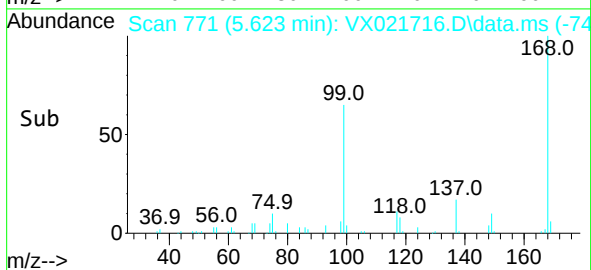
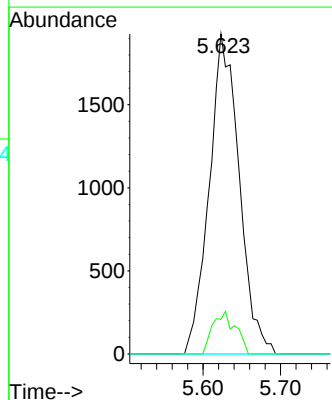
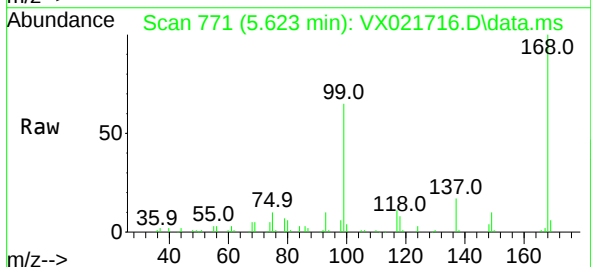
Instrument :
MSVOA_X
ClientSampled :
MW-7

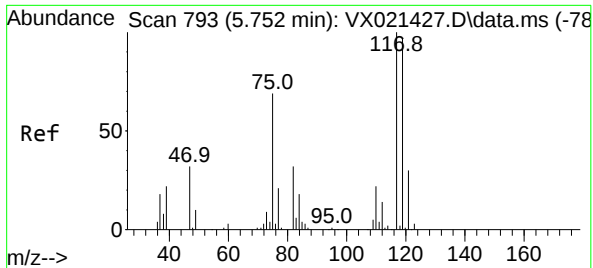
Tgt Ion:113 Resp: 38807
Ion Ratio Lower Upper
113 100
111 103.5 81.9 122.9
192 19.2 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.93 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.141 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

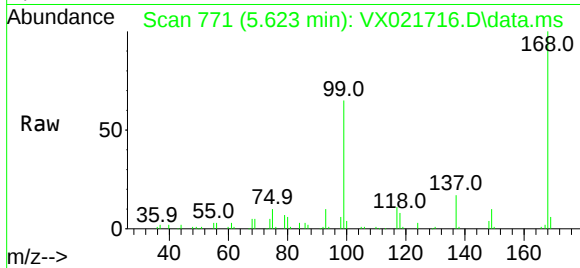
Tgt Ion: 75 Resp: 5174
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.4#
77 0.0 25.3 37.9#



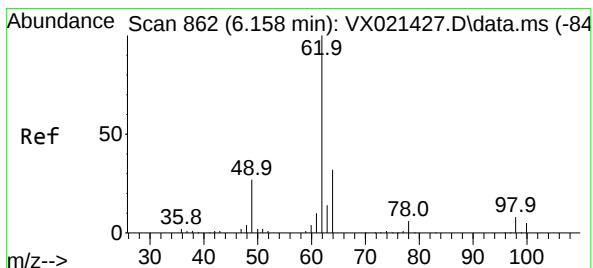
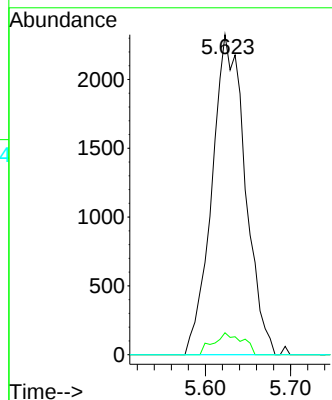
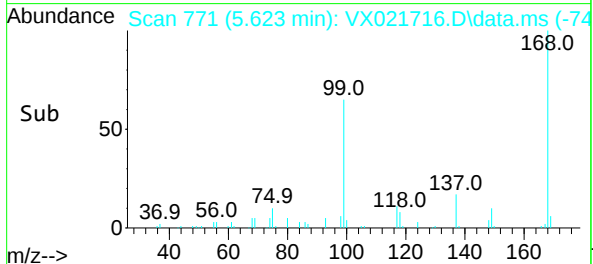


#38
Carbon Tetrachloride
Concen: 5.61 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.129 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

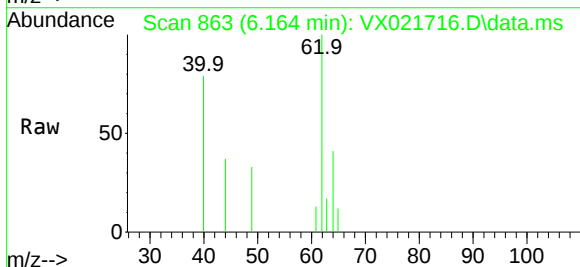
Instrument :
MSVOA_X
ClientSampleId :
MW-7



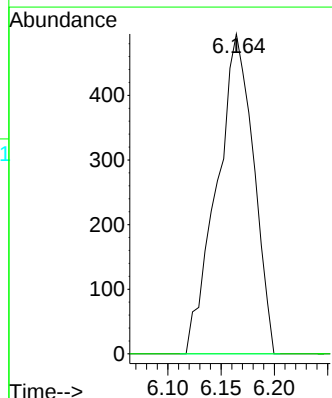
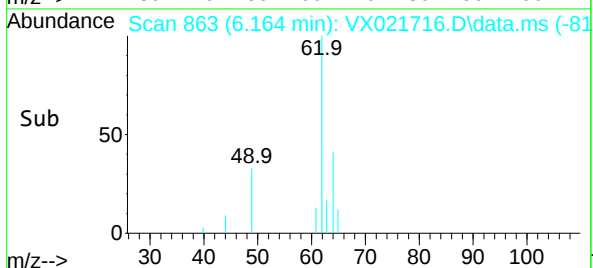
Tgt Ion:117 Resp: 6323
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.8 37.2#

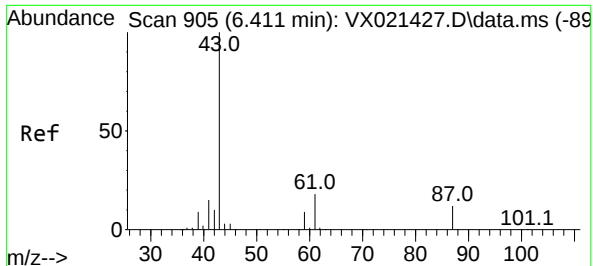


#42
1,2-Dichloroethane
Concen: 0.92 ug/l
RT: 6.164 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14



Tgt Ion: 62 Resp: 1187
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

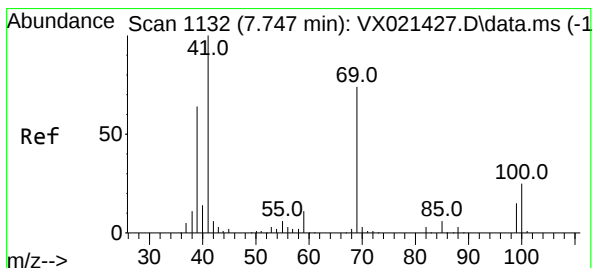
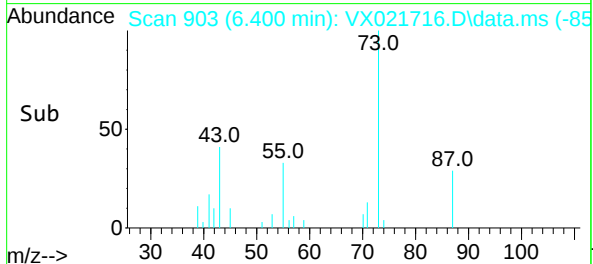
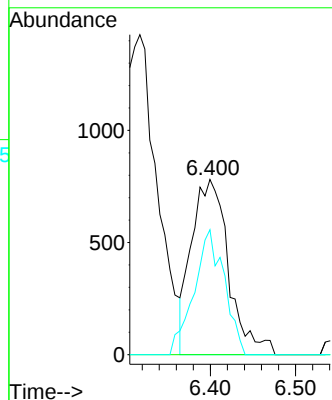
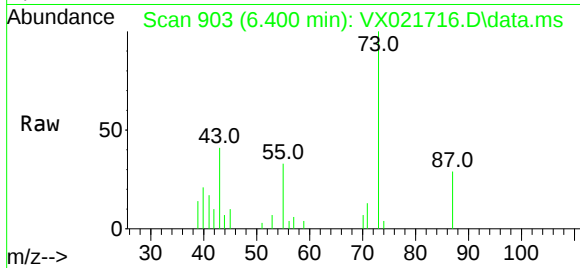




#43
Isopropyl Acetate
Concen: 1.20 ug/l
RT: 6.400 min Scan# 903
Delta R.T. -0.011 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

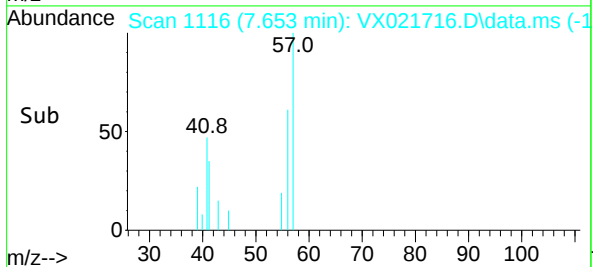
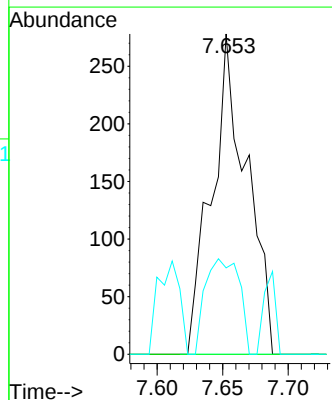
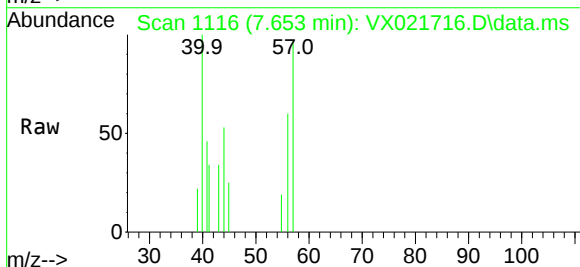
Instrument :
MSVOA_X
ClientSampleId :
MW-7

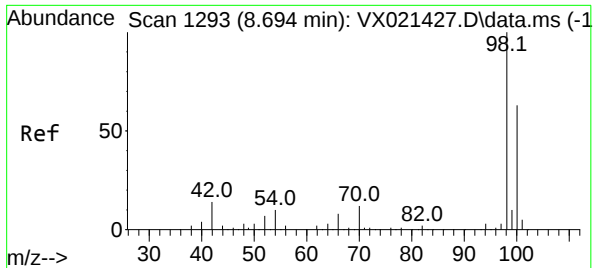
Tgt Ion: 43 Resp: 2356
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 58.4 12.5 18.7#



#48
Methyl methacrylate
Concen: 0.49 ug/l
RT: 7.653 min Scan# 1116
Delta R.T. -0.094 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 41 Resp: 516
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 28.9 44.6 67.0#

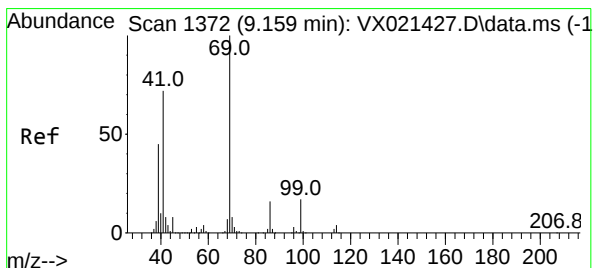
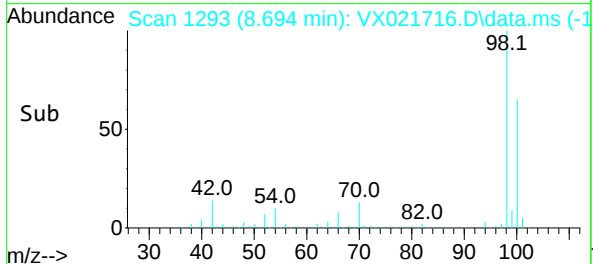
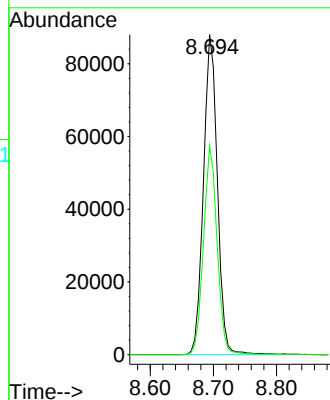
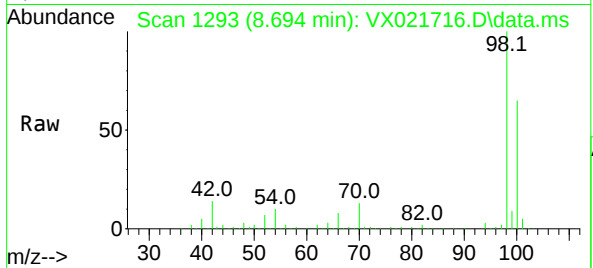




#50
Toluene-d8
Concen: 49.82 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

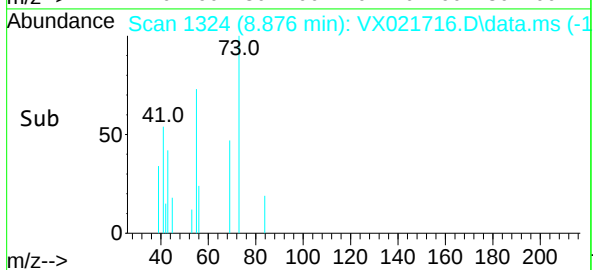
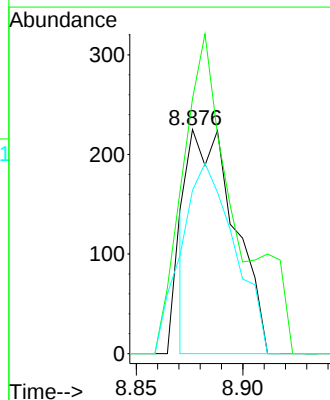
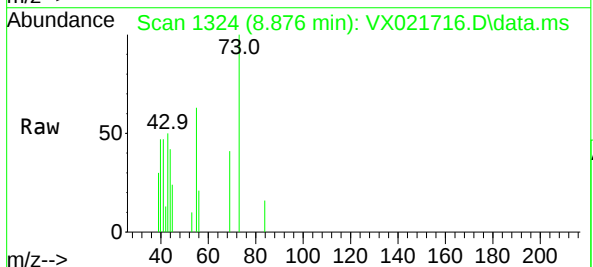
Instrument :
MSVOA_X
ClientSampled :
MW-7

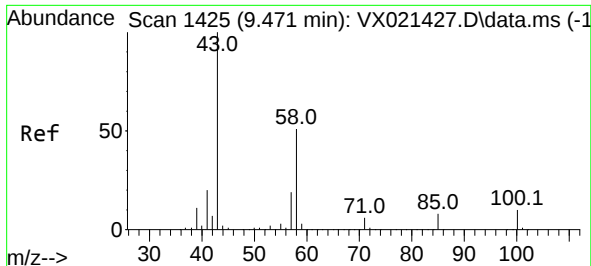
Tgt Ion: 98 Resp: 135090
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#56
Ethyl methacrylate
Concen: 2.33 ug/l
RT: 8.876 min Scan# 1324
Delta R.T. -0.283 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 69 Resp: 339
Ion Ratio Lower Upper
69 100
41 138.1 46.8 70.2#
39 81.7 24.7 37.1#

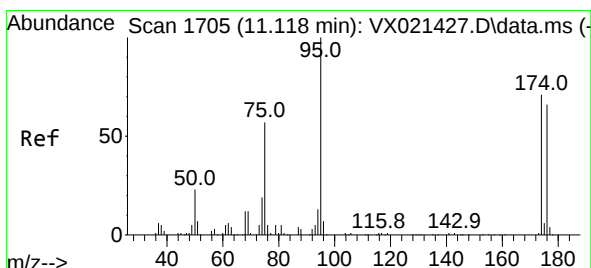
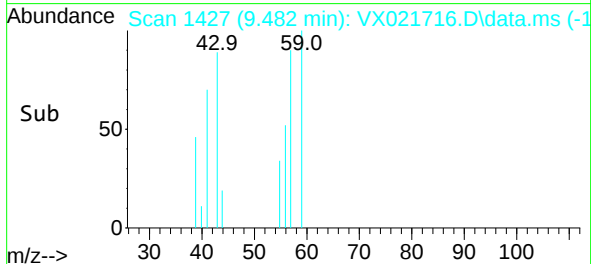
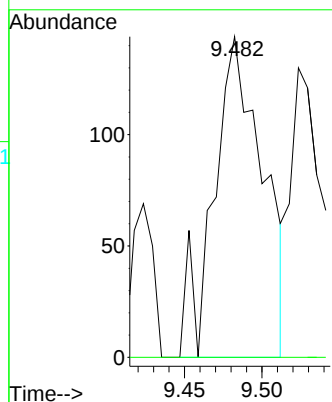
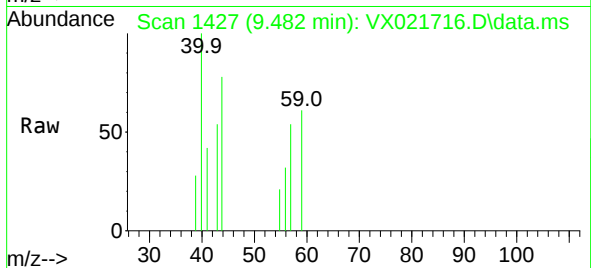




#59
2-Hexanone
Concen: 0.35 ug/l
RT: 9.482 min Scan# 1427
Delta R.T. 0.011 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

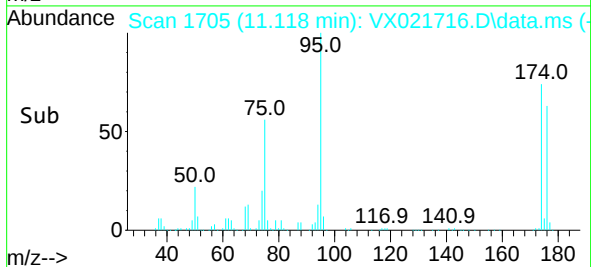
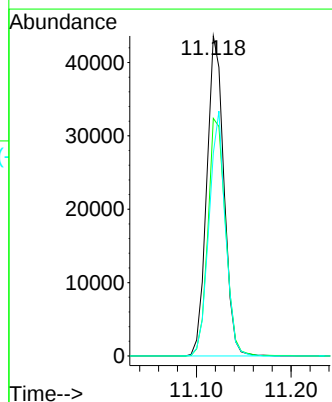
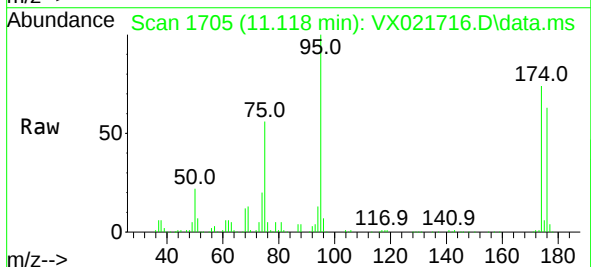
Instrument :
MSVOA_X
ClientSampled :
MW-7

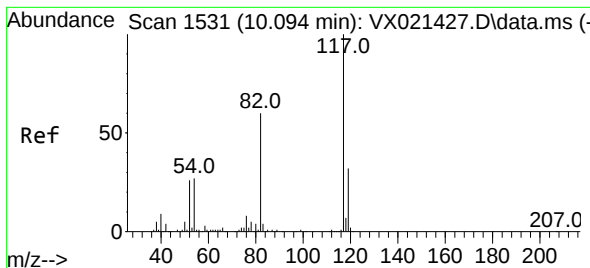
Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 51.99 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 95 Resp: 54806
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.6
176 72.9 0.0 155.8

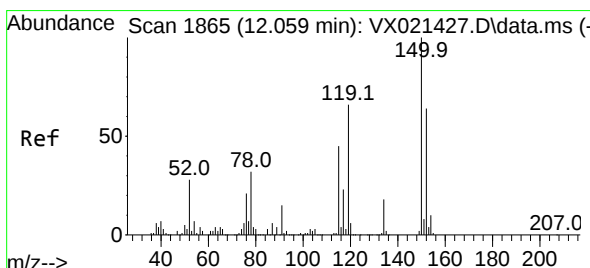
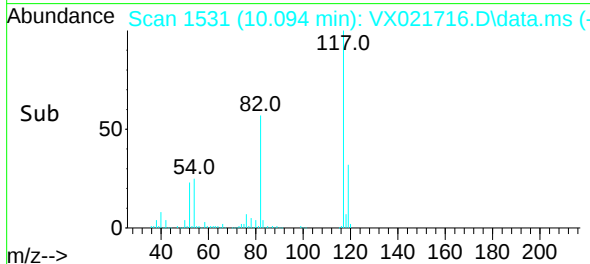
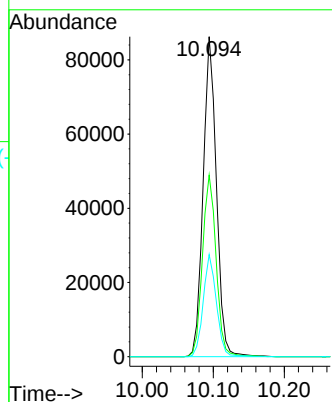
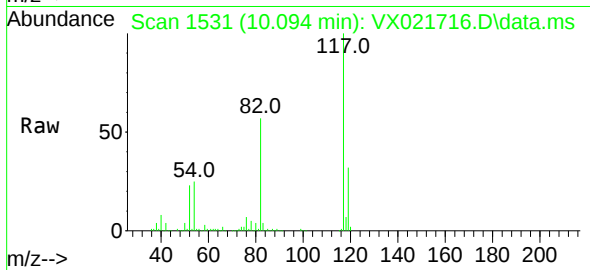




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

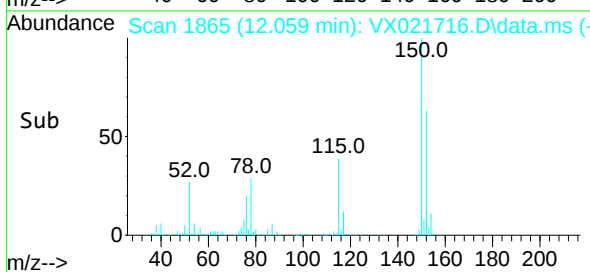
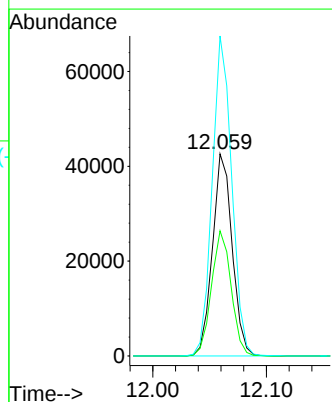
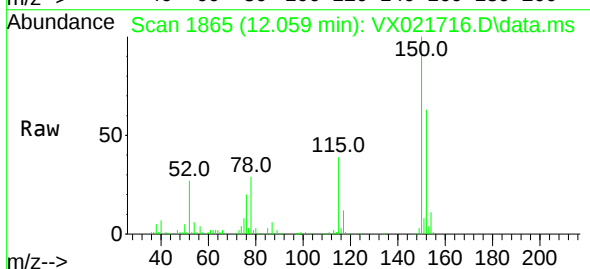
Instrument :
MSVOA_X
ClientSampled :
MW-7

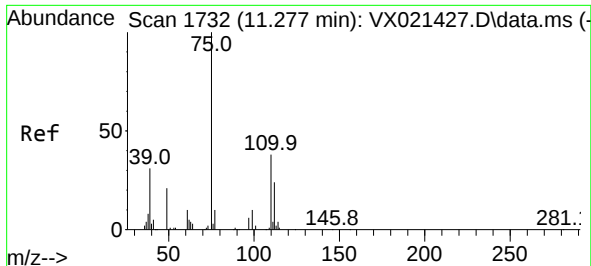
Tgt Ion:117 Resp: 112459
Ion Ratio Lower Upper
117 100
82 56.7 47.4 71.2
119 31.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion:152 Resp: 51456
Ion Ratio Lower Upper
152 100
115 61.7 41.1 123.3
150 156.5 0.0 349.0

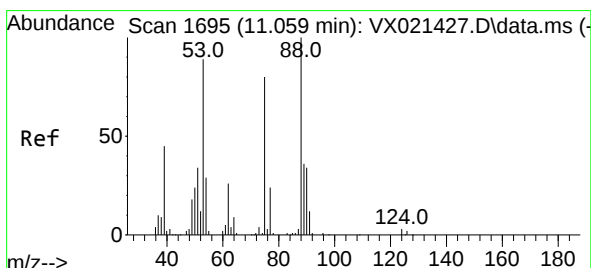
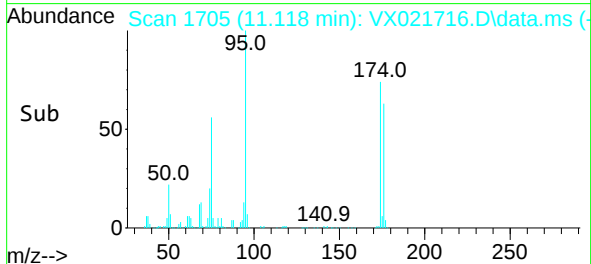
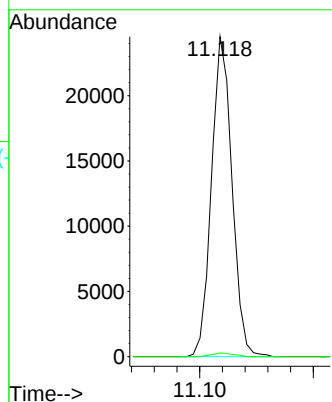
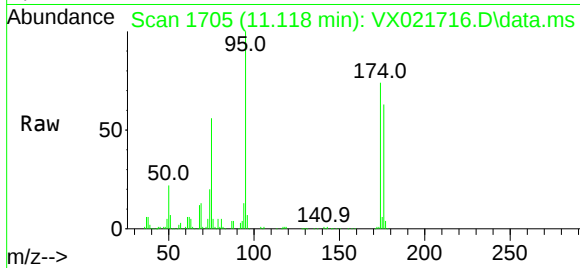




#76
1,2,3-Trichloropropane
Concen: 25.67 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Instrument :
MSVOA_X
ClientSampled :
MW-7

Tgt Ion: 75 Resp: 30746
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.18 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021716.D
Acq: 01 Apr 2021 18:14

Tgt Ion: 75 Resp: 30746
Ion Ratio Lower Upper
75 100
53 0.3 74.5 111.7#
89 0.0 37.9 56.9#

