

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082221\
 Data File : VX023894.D
 Acq On : 20 Aug 2021 21:52
 Operator : JC/MD
 Sample : M3411-02 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Aug 21 01:11:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

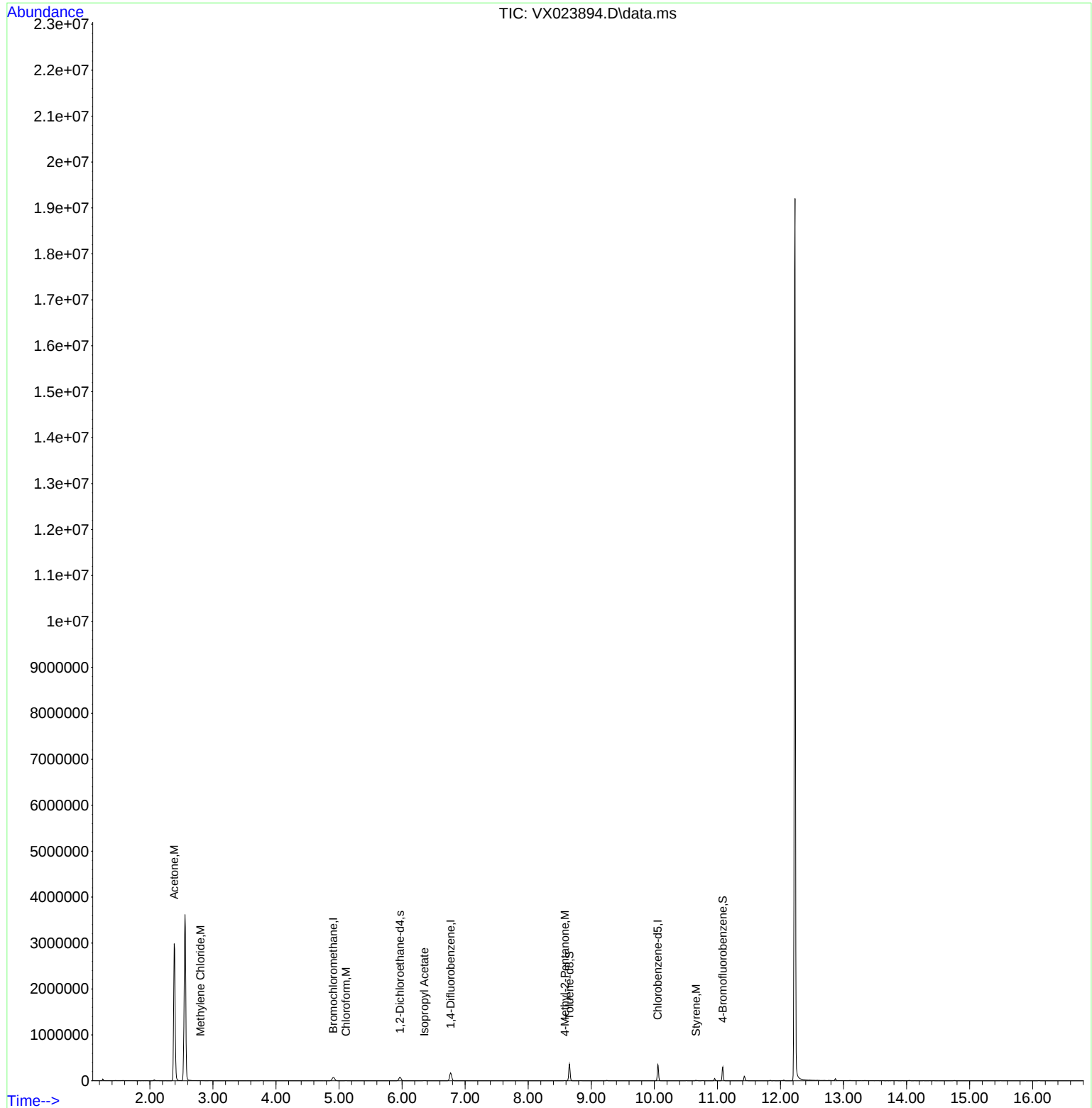
Internal Standards						
1) Bromochloromethane	4.910	128	31851	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	169691	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	155726	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	77372	31.411	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.700%
60) 4-Bromofluorobenzene	11.085	95	74391	29.165	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.233%
63) Toluene-d8	8.653	98	205377	29.304	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.667%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	930844	2522.802	ug/l	99
18) Methylene Chloride	2.800	84	1810	0.834	ug/l #	83
25) Chloroform	5.111	83	3125	0.821	ug/l	97
44) Isopropyl Acetate	6.355	43	7915	1.513	ug/l #	82
58) 4-Methyl-2-Pentanone	8.580	43	4012	1.195	ug/l	93
69) Styrene	10.659	104	3997	0.654	ug/l	93

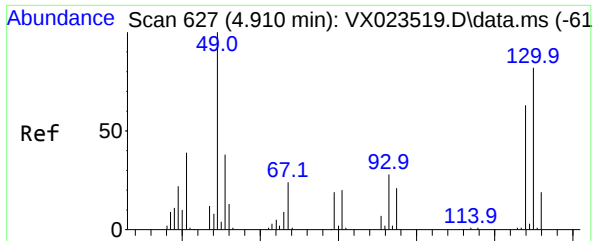
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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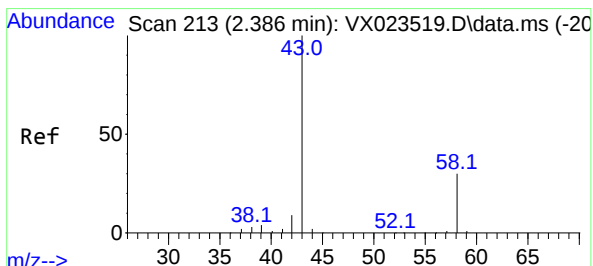
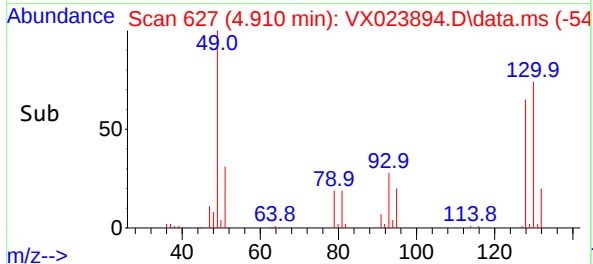
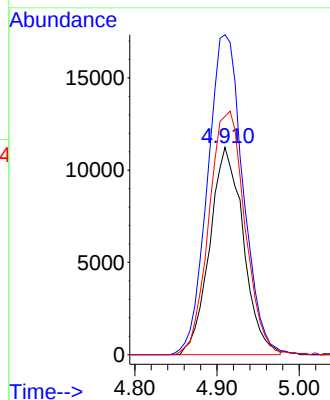
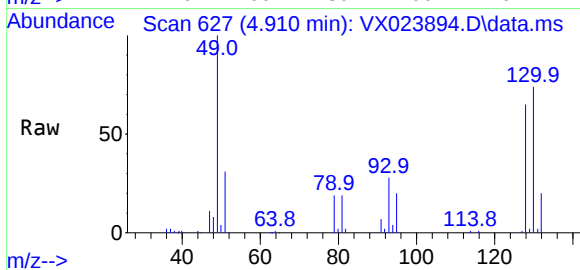




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

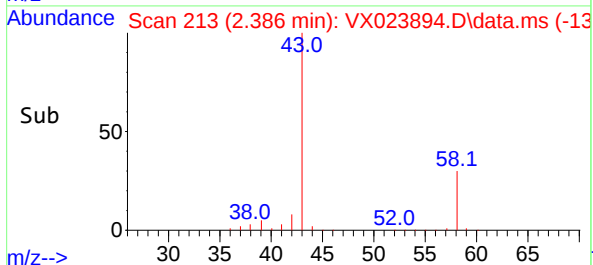
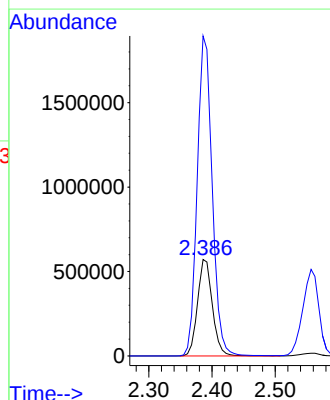
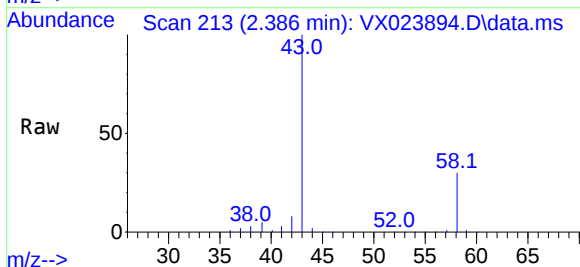
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

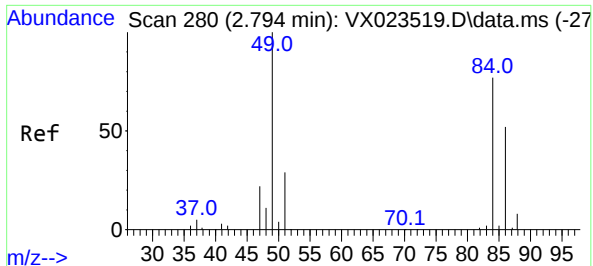
Tgt Ion:128 Resp: 31851
Ion Ratio Lower Upper
128 100
49 163.5 0.0 402.5
130 126.3 0.0 326.5



#15
Acetone
Concen: 2522.802 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion: 58 Resp: 930844
Ion Ratio Lower Upper
58 100
43 331.9 266.6 400.0



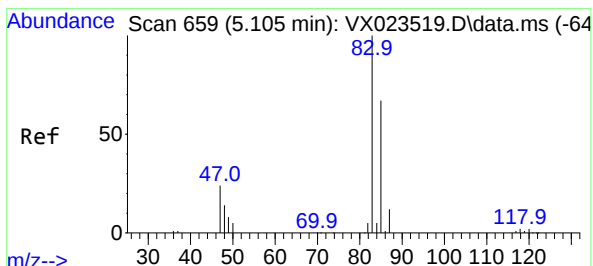
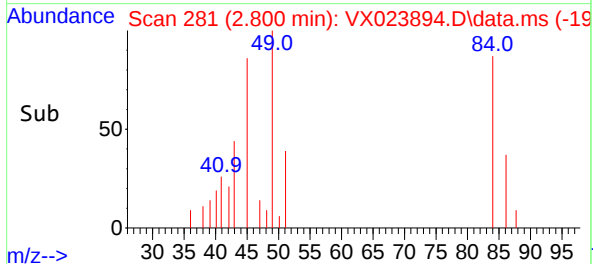
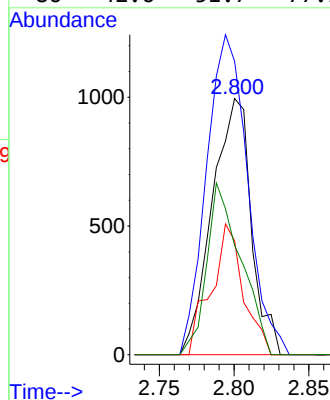
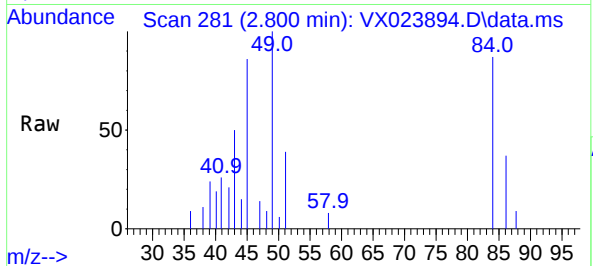


#18
Methylene Chloride
Concen: 0.834 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tgt Ion: 84 Resp: 1810

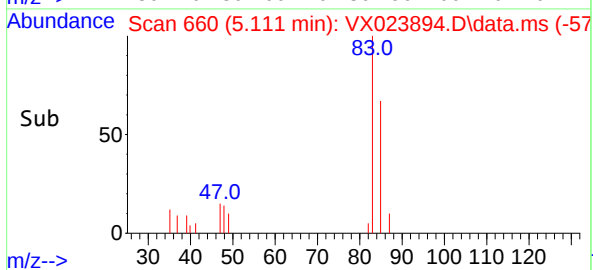
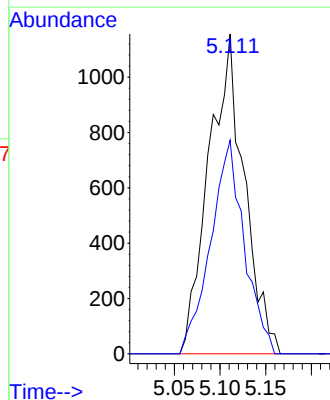
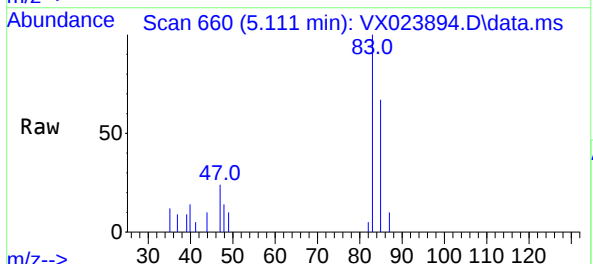
Ion	Ratio	Lower	Upper
84	100		
49	114.6	104.3	156.5
51	44.5	30.3	45.5
86	42.6	51.7	77.5

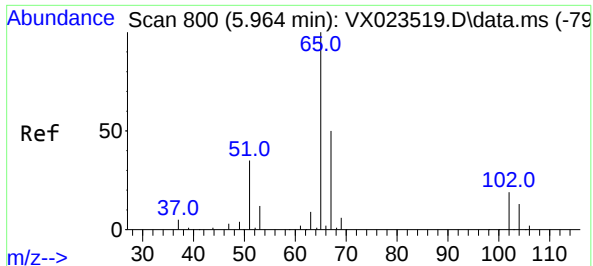


#25
Chloroform
Concen: 0.821 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion: 83 Resp: 3125

Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.8	77.8

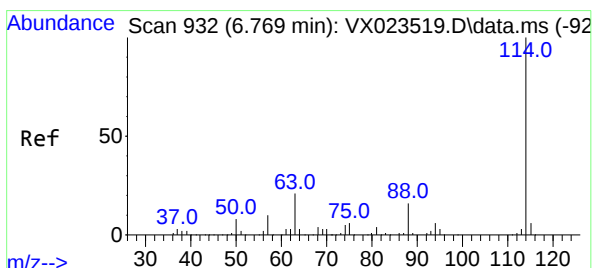
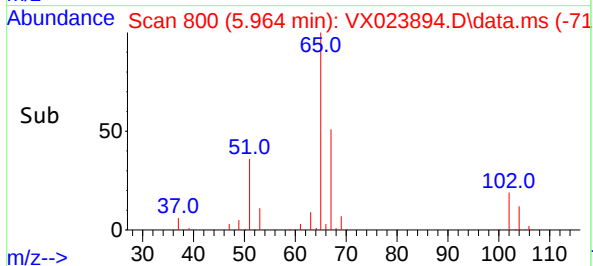
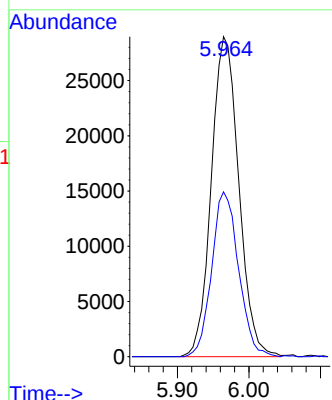
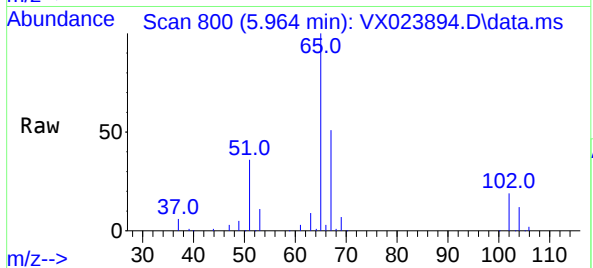




#27
1,2-Dichloroethane-d4
Concen: 31.411 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

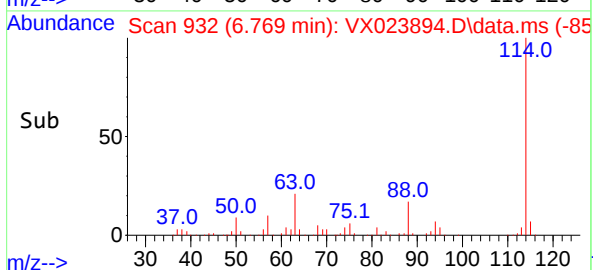
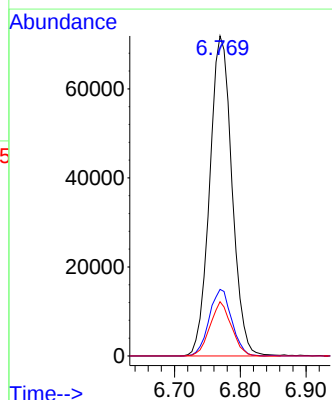
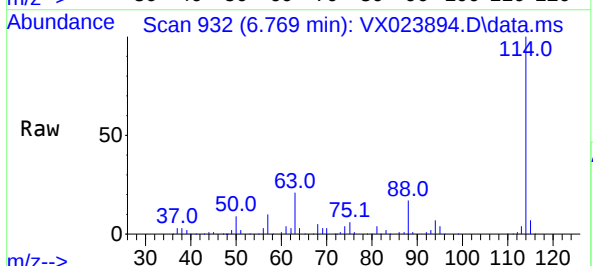
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

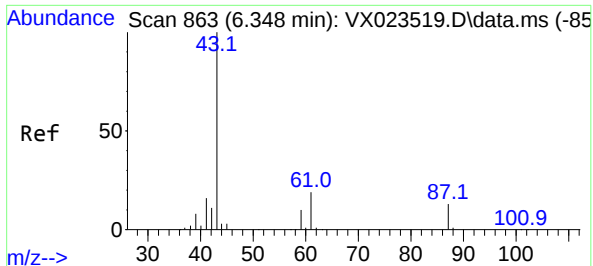
Tgt Ion: 65 Resp: 77372
Ion Ratio Lower Upper
65 100
67 50.3 42.4 63.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion: 114 Resp: 169691
Ion Ratio Lower Upper
114 100
63 21.0 16.4 24.6
88 16.2 12.7 19.1

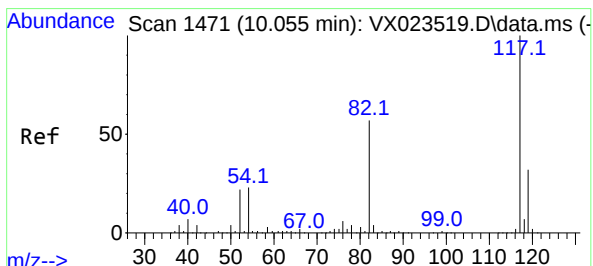
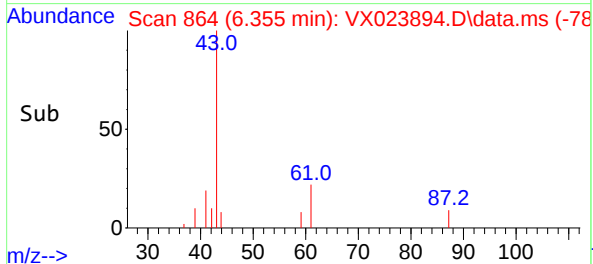
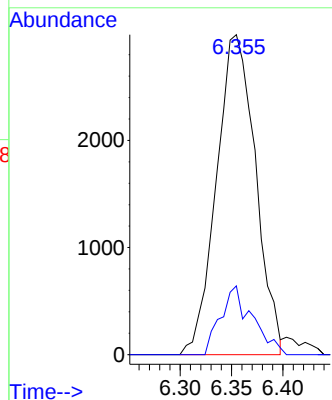
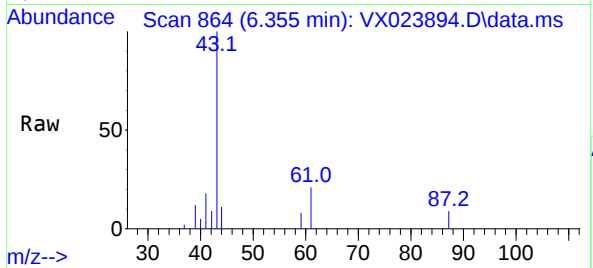




#44
Isopropyl Acetate
Concen: 1.513 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.006 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

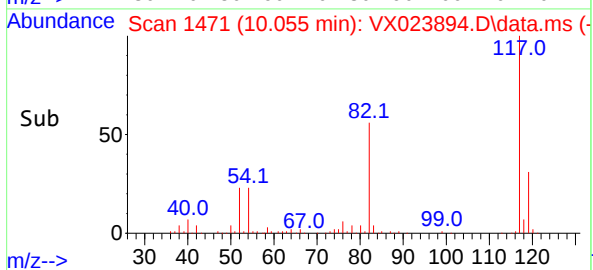
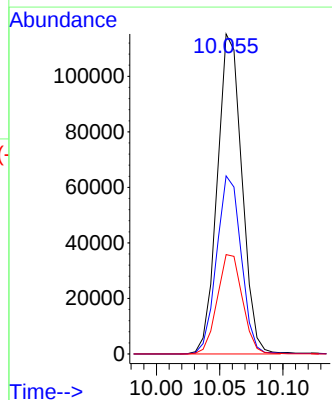
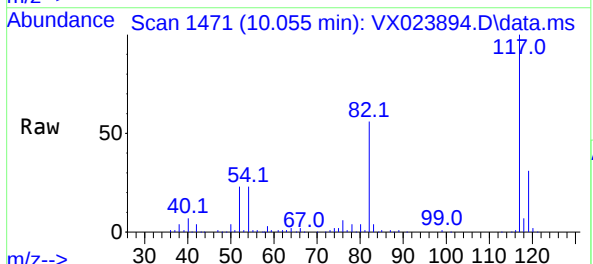
Instrument :
MSVOA_X
ClientSampled :
EFF-WW

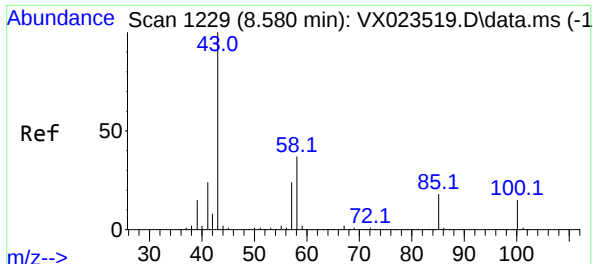
Tgt Ion: 43 Resp: 7915
Ion Ratio Lower Upper
43 100
61 11.4 15.4 23.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion: 117 Resp: 155726
Ion Ratio Lower Upper
117 100
82 55.4 45.0 67.4
119 31.9 26.2 39.2



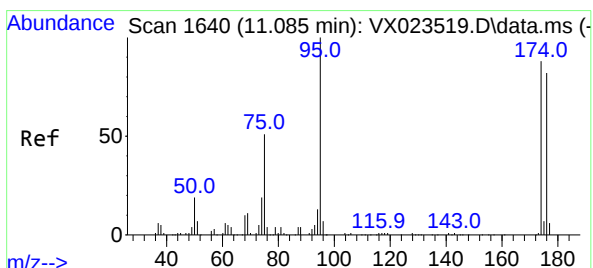
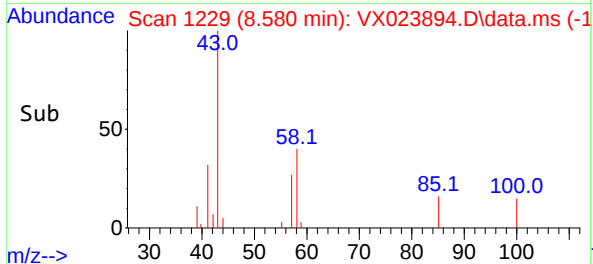
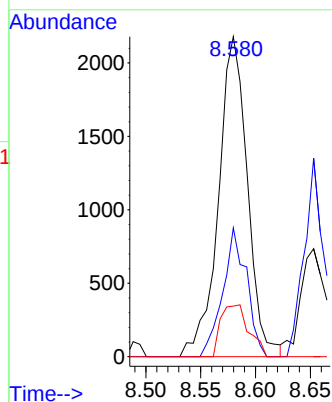
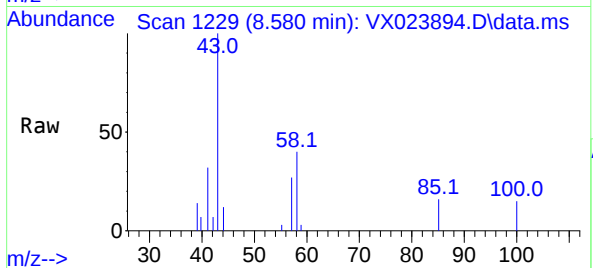


#58
4-Methyl-2-Pentanone
Concen: 1.195 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Instrument :
MSVOA_X
ClientSampled :
EFF-WW

Tgt Ion: 43 Resp: 4012

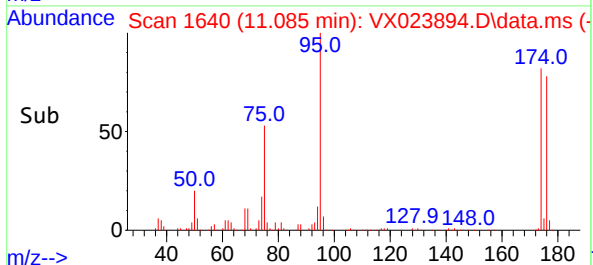
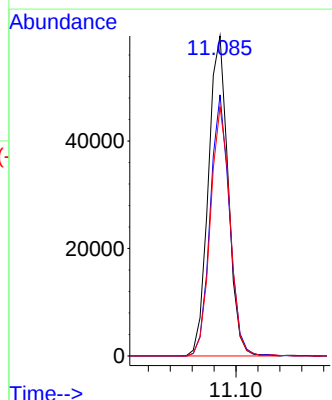
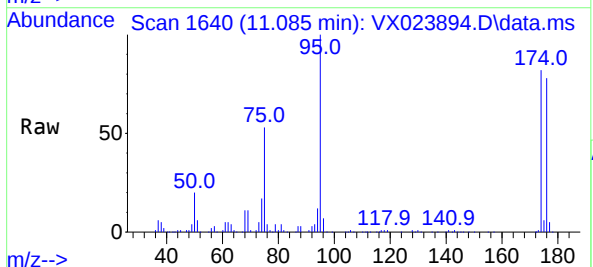
Ion	Ratio	Lower	Upper
43	100		
58	32.9	30.5	45.7
85	15.6	14.0	21.0

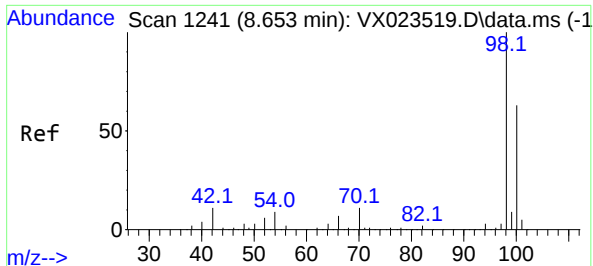


#60
4-Bromofluorobenzene
Concen: 29.165 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion: 95 Resp: 74391

Ion	Ratio	Lower	Upper
95	100		
174	79.4	63.5	95.3
176	77.1	63.0	94.4

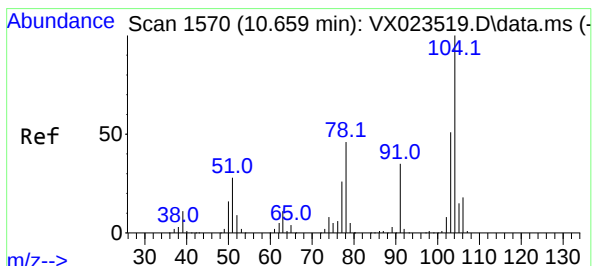
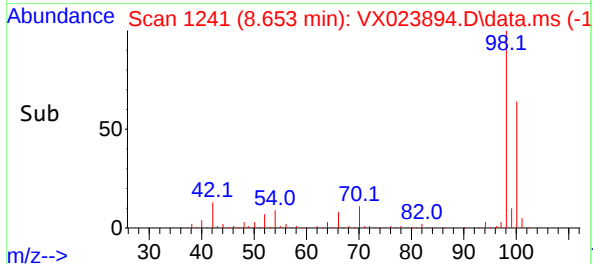
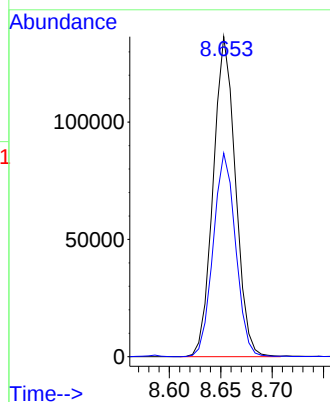
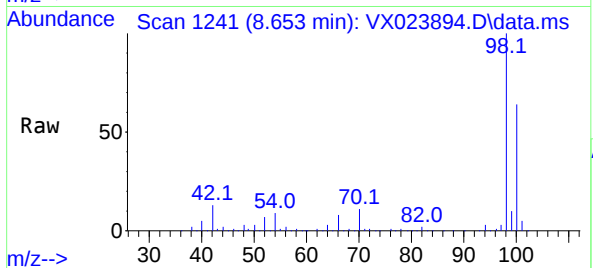




#63
Toluene-d8
Concen: 29.304 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Instrument :
MSVOA_X
ClientSampled :
EFF-WW

Tgt Ion: 98 Resp: 205377
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#69
Styrene
Concen: 0.654 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX023894.D
Acq: 20 Aug 2021 21:52

Tgt Ion:104 Resp: 3997
Ion Ratio Lower Upper
104 100
78 46.1 41.4 62.0
103 51.1 44.2 66.4

