

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011422\
 Data File : VX026454.D
 Acq On : 14 Jan 2022 14:33
 Operator : JC/MD
 Sample : N1157-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Jan 17 05:59:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 10 12:50:55 2022
 Response via : Initial Calibration

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

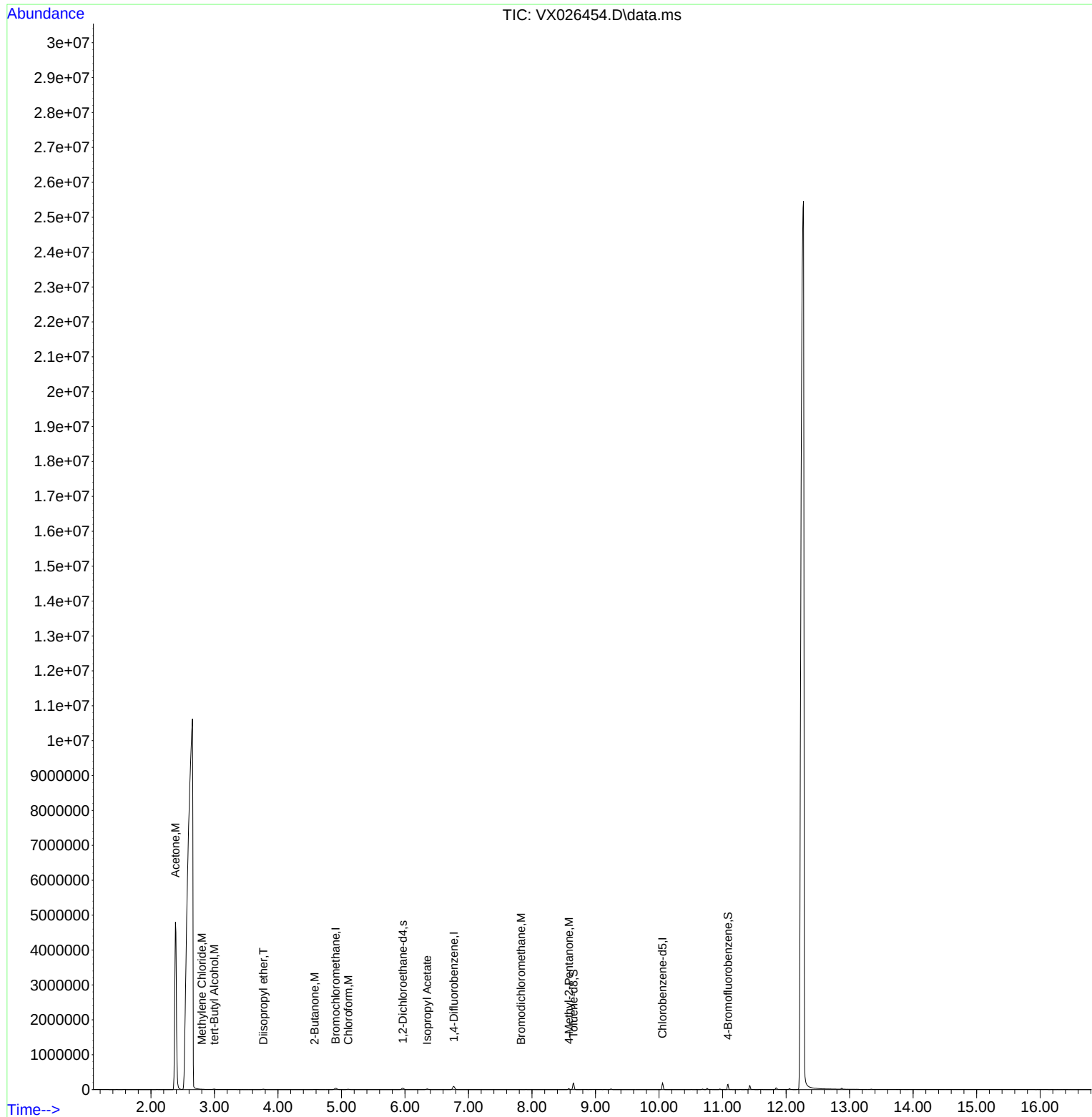
Internal Standards						
1) Bromochloromethane	4.910	128	15886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	94005	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	82633	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	40251	31.510	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.033%
60) 4-Bromofluorobenzene	11.085	95	41767	30.286	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.967%
63) Toluene-d8	8.653	98	110583	29.131	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.100%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1738343	11090.210	ug/l	82
18) Methylene Chloride	2.800	84	425	0.452	ug/l #	97
20) Diisopropyl ether	3.770	45	14663	4.591	ug/l #	83
23) tert-Butyl Alcohol	2.995	59	15670	86.576	ug/l #	100
25) Chloroform	5.105	83	14020	7.694	ug/l	100
30) 2-Butanone	4.574	43	4492	5.327	ug/l	94
41) Bromodichloromethane	7.830	83	1164	0.780	ug/l #	84
44) Isopropyl Acetate	6.348	43	26359	10.417	ug/l	99
58) 4-Methyl-2-Pentanone	8.580	43	17339	11.249	ug/l	100

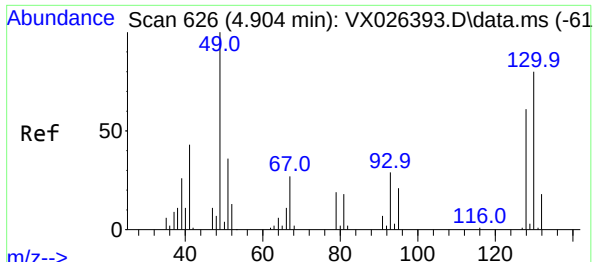
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 17 05:59:04 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jan 10 12:50:55 2022
Response via : Initial Calibration

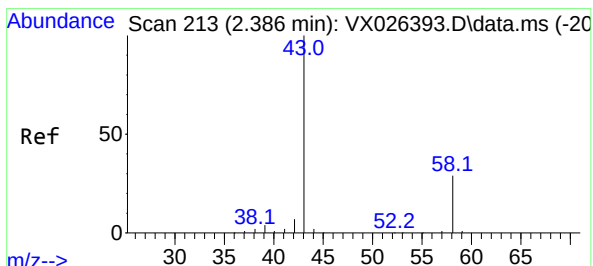
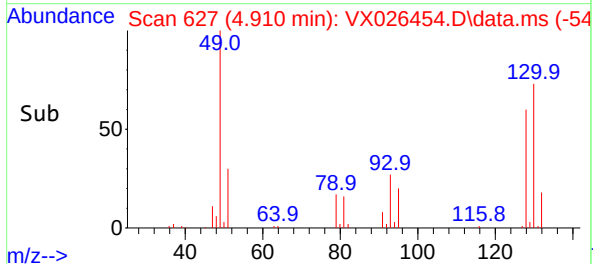
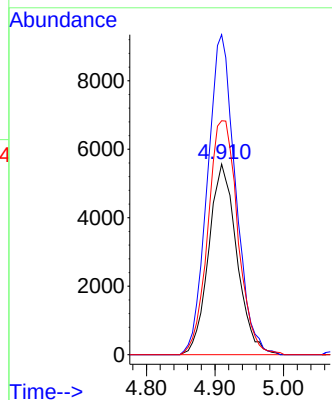
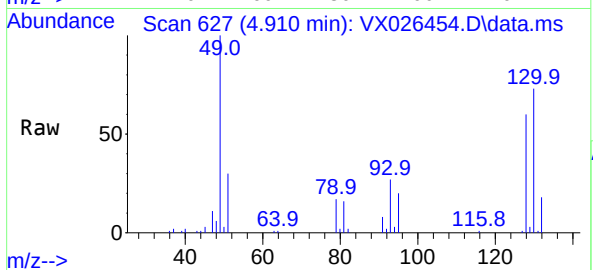




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

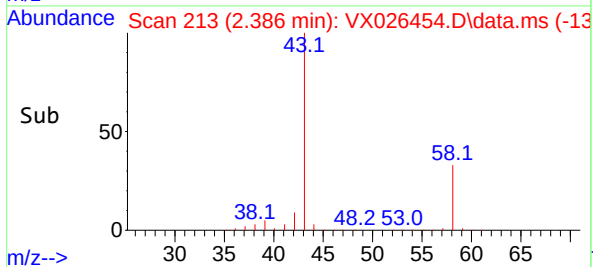
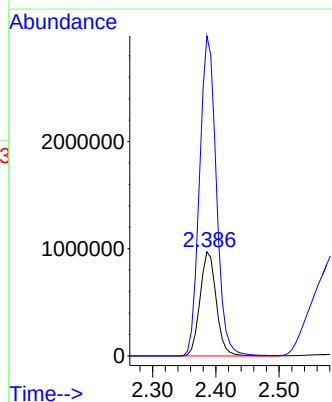
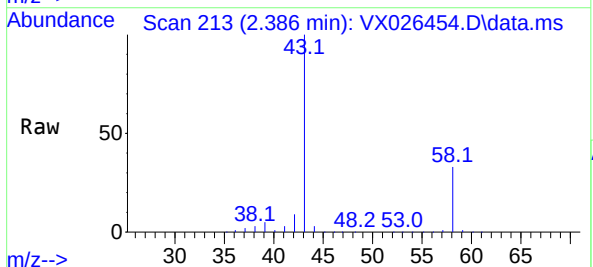
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

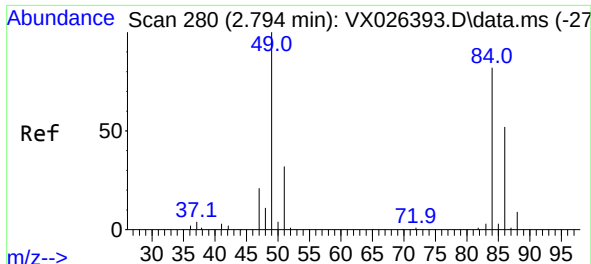
Tgt Ion:128 Resp: 15886
Ion Ratio Lower Upper
128 100
49 167.4 0.0 413.5
130 130.4 0.0 326.0



#15
Acetone
Concen: 11090.210 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 58 Resp: 1738343
Ion Ratio Lower Upper
58 100
43 307.3 276.3 414.5



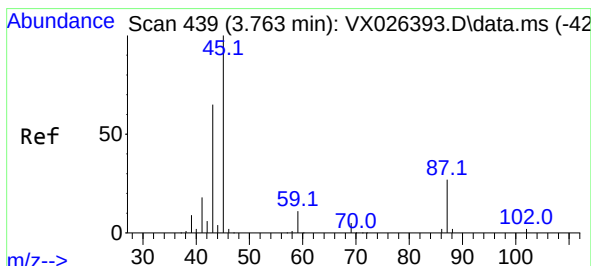
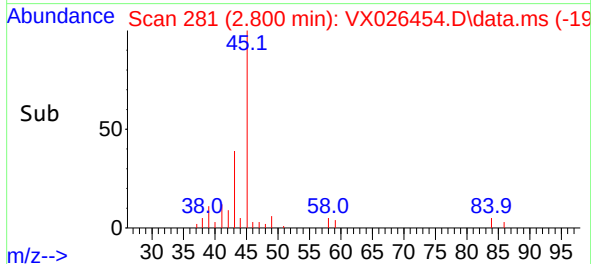
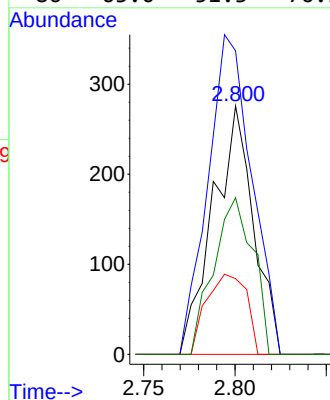
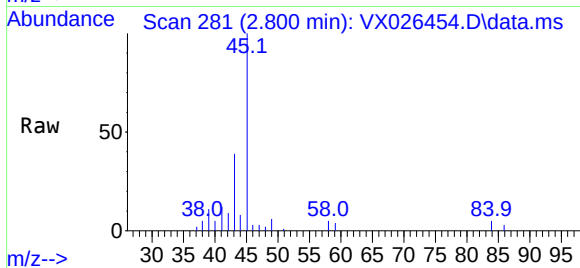


#18
Methylene Chloride
Concen: 0.452 ug/l
RT: 2.800 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tgt Ion: 84 Resp: 425

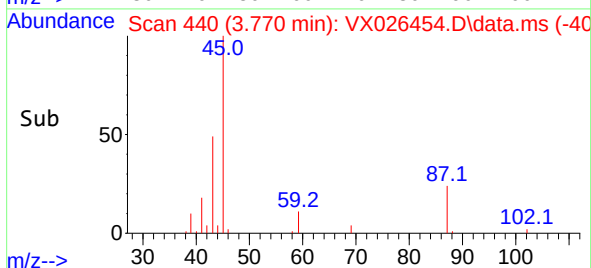
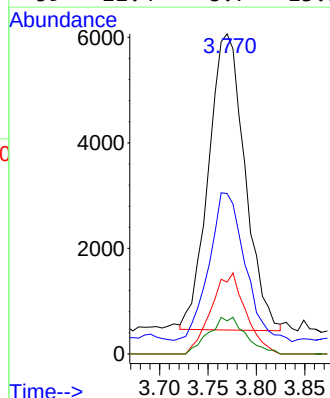
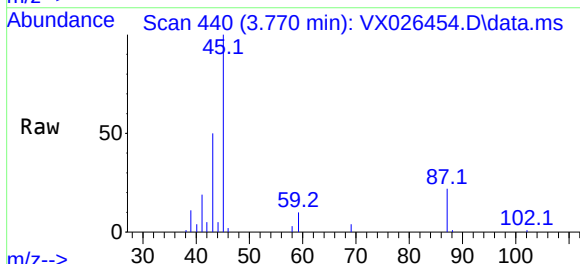
Ion	Ratio	Lower	Upper
84	100		
49	122.1	97.8	146.8
51	30.4	31.1	46.7#
86	63.0	51.3	76.9

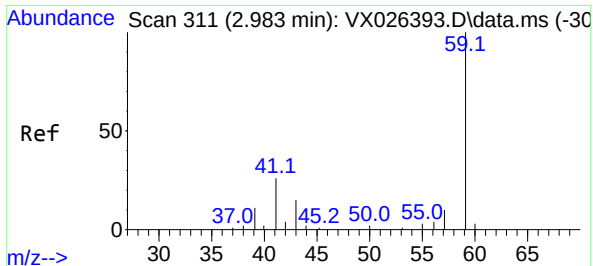


#20
Diisopropyl ether
Concen: 4.591 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 45 Resp: 14663

Ion	Ratio	Lower	Upper
45	100		
43	49.8	56.2	84.2#
87	24.7	21.5	32.3
59	11.4	8.7	13.1





#23

tert-Butyl Alcohol

Concen: 86.576 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX026454.D

Acq: 14 Jan 2022 14:33

Instrument :

MSVOA_X

ClientSampleId :

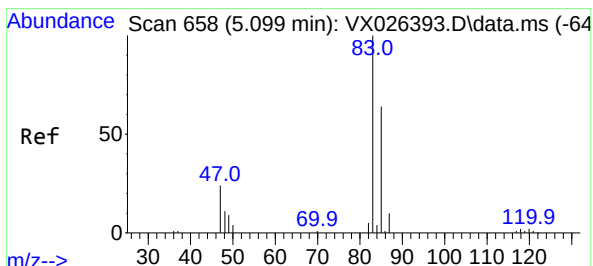
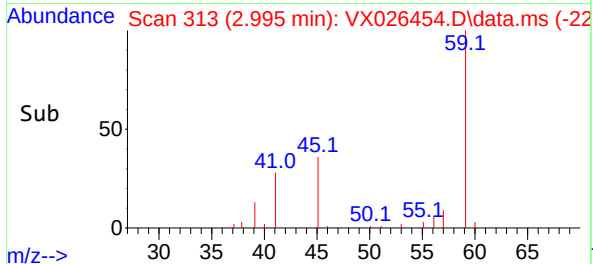
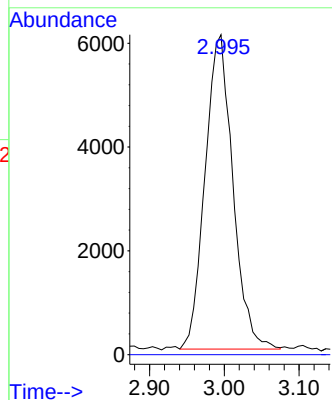
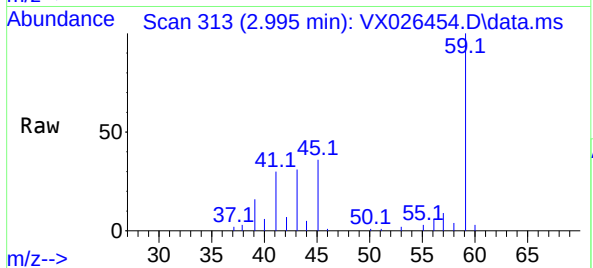
EFF-WW

Tgt Ion: 59 Resp: 15670

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 7.694 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.006 min

Lab File: VX026454.D

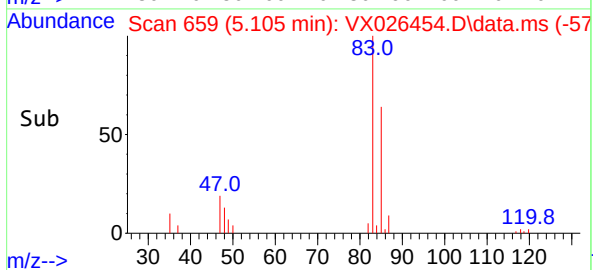
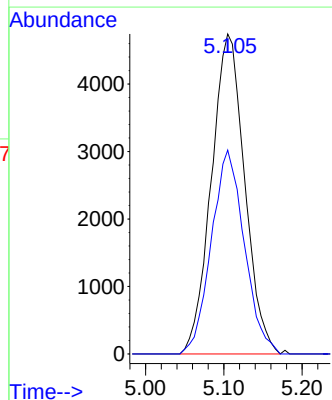
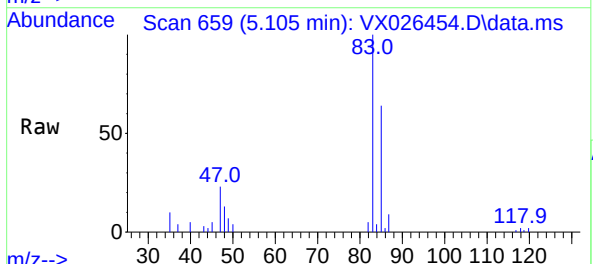
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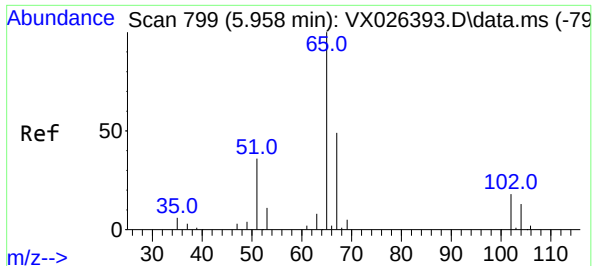
Tgt Ion: 83 Resp: 14020

Ion Ratio Lower Upper

83 100

85 63.7 50.8 76.2

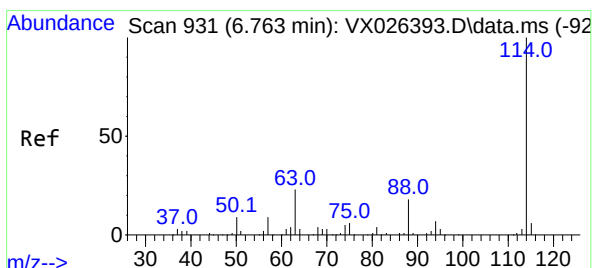
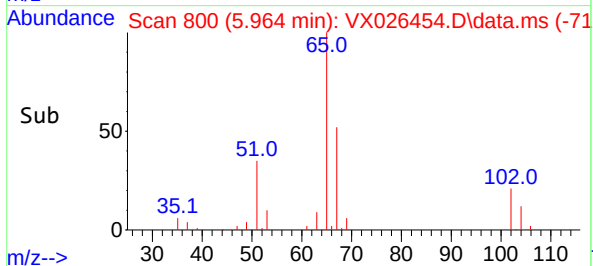
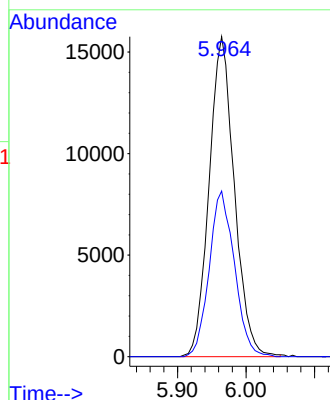
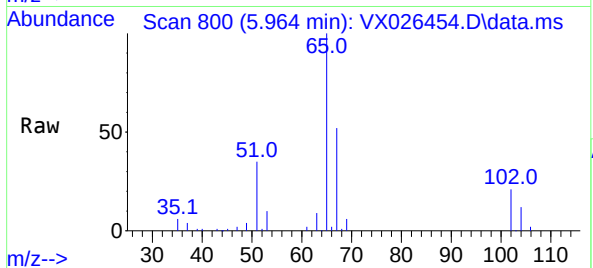




#27
1,2-Dichloroethane-d4
Concen: 31.510 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

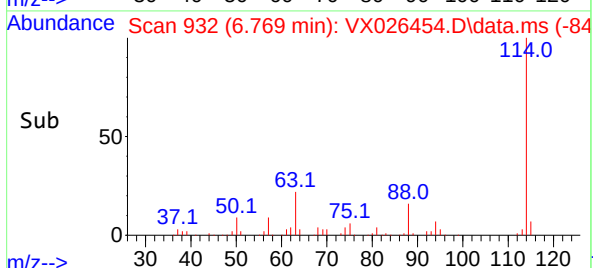
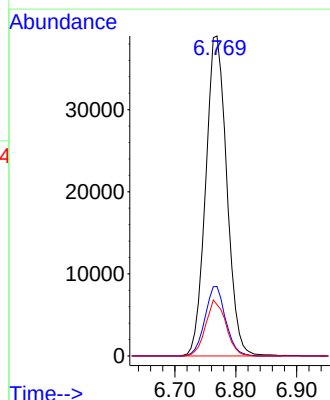
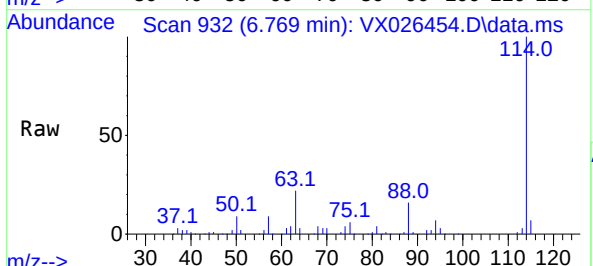
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

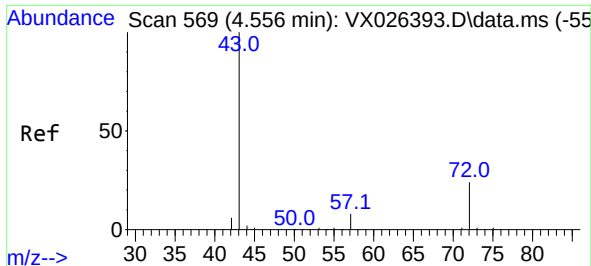
Tgt Ion: 65 Resp: 40251
Ion Ratio Lower Upper
65 100
67 51.8 39.6 59.4



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 114 Resp: 94005
Ion Ratio Lower Upper
114 100
63 21.3 17.4 26.2
88 16.7 13.5 20.3

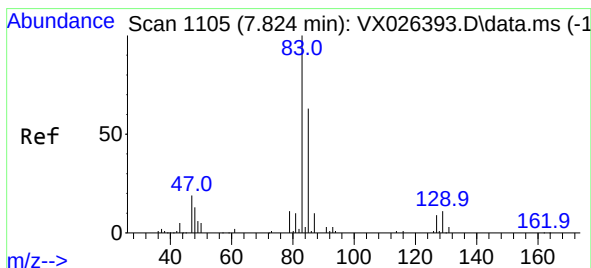
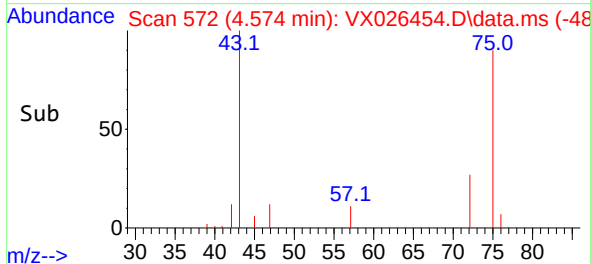
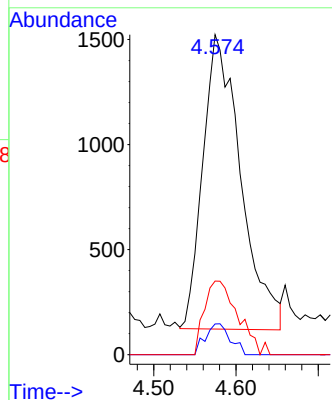
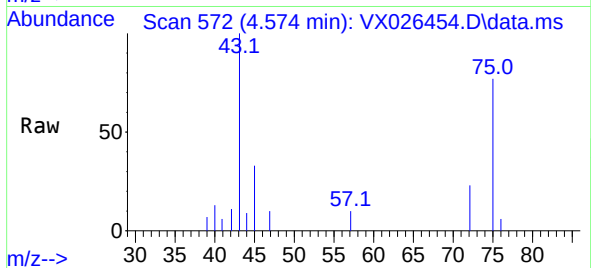




#30
2-Butanone
Concen: 5.327 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

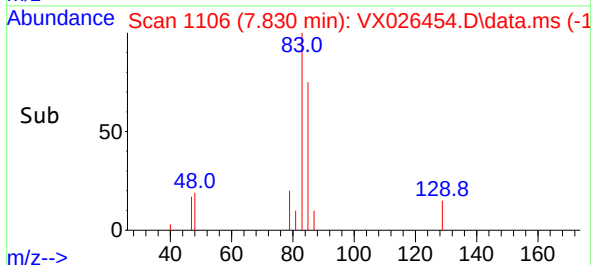
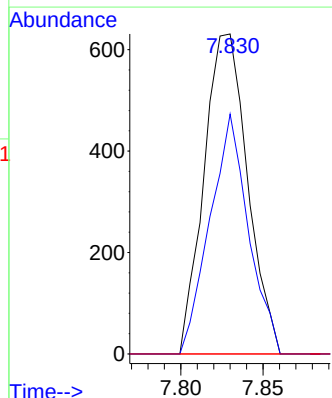
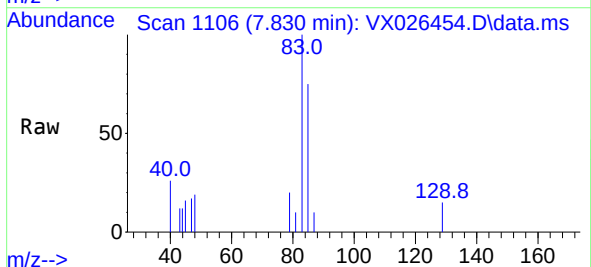
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

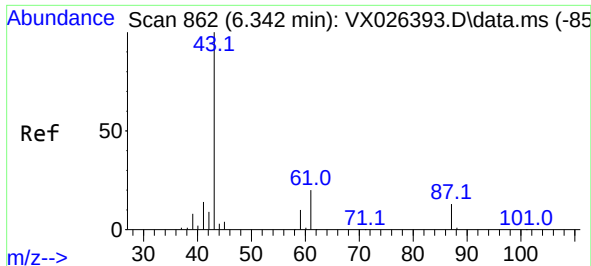
Tgt Ion: 43 Resp: 4492
Ion Ratio Lower Upper
43 100
57 6.4 6.3 9.5
72 21.7 19.8 29.6



#41
Bromodichloromethane
Concen: 0.780 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 83 Resp: 1164
Ion Ratio Lower Upper
83 100
85 75.0 50.6 76.0
127 0.0 7.0 10.6#

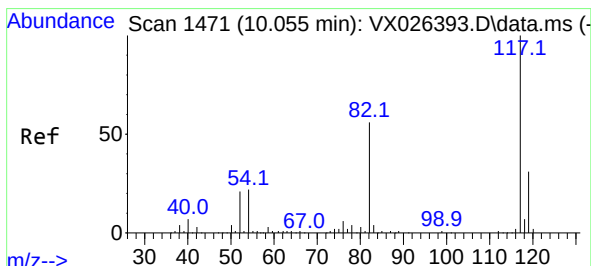
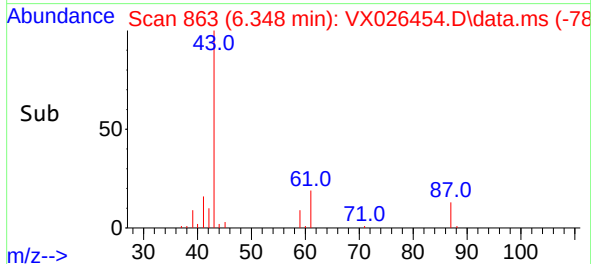
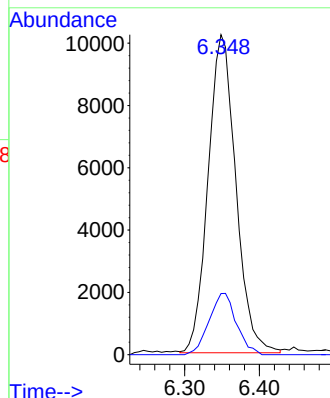
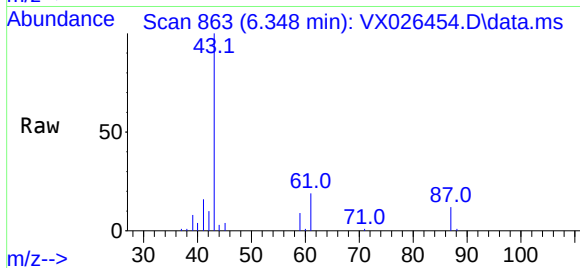




#44
Isopropyl Acetate
Concen: 10.417 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

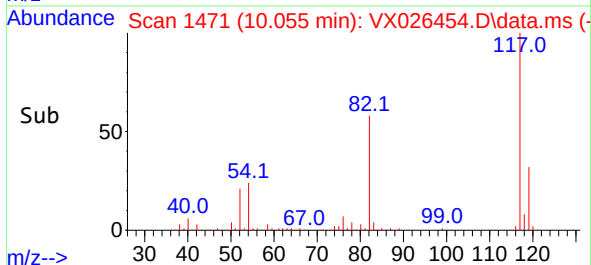
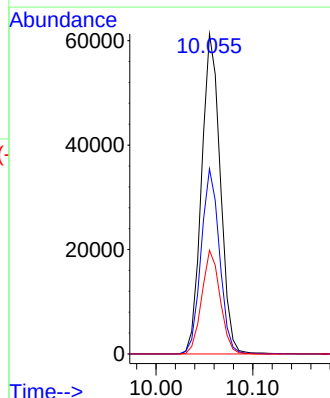
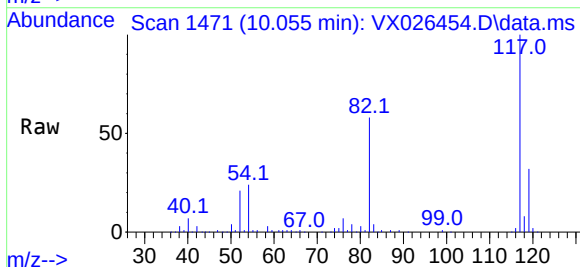
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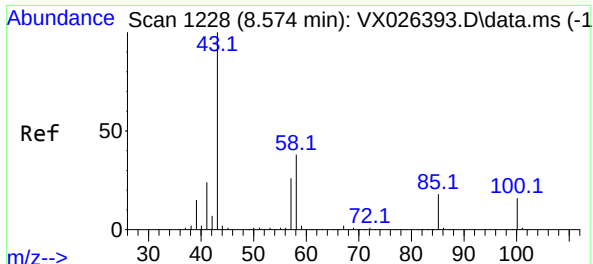
Tgt Ion: 43 Resp: 26359
Ion Ratio Lower Upper
43 100
61 18.9 15.4 23.2



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 117 Resp: 82633
Ion Ratio Lower Upper
117 100
82 56.9 46.2 69.4
119 31.8 25.4 38.2

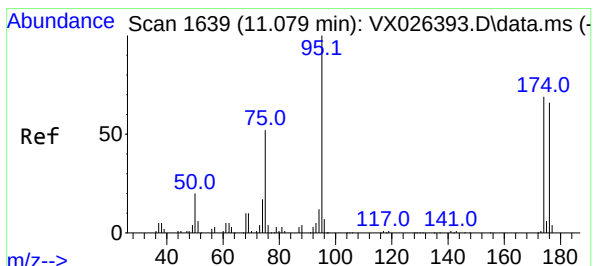
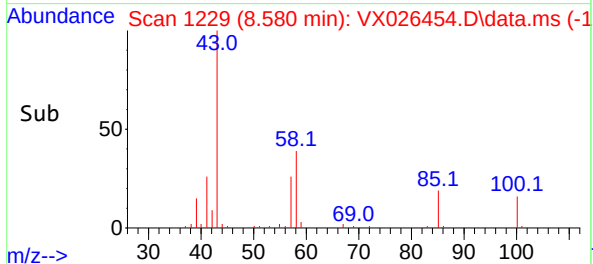
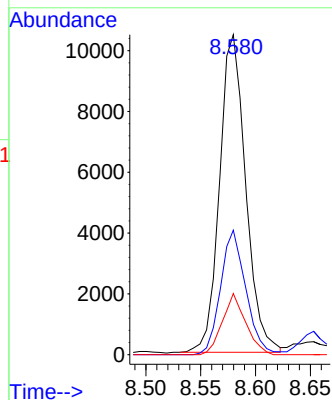
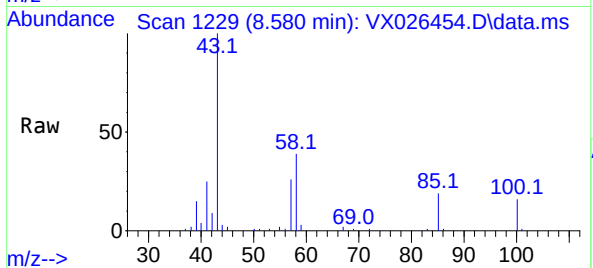




#58
4-Methyl-2-Pentanone
Concen: 11.249 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

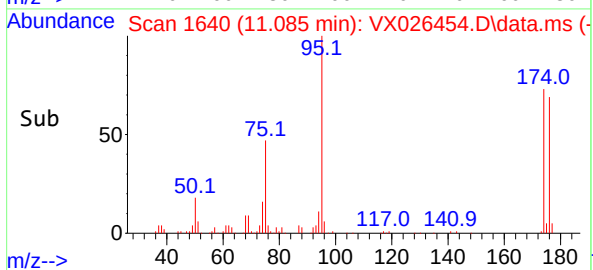
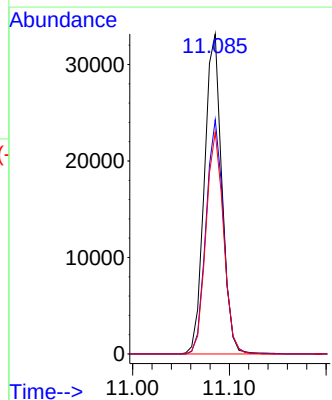
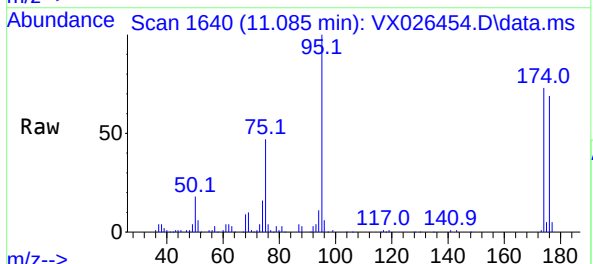
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

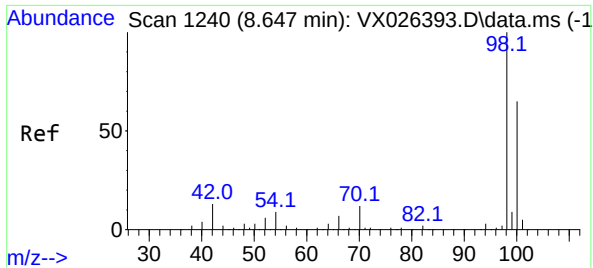
Tgt Ion: 43 Resp: 17339
Ion Ratio Lower Upper
43 100
58 37.8 30.2 45.4
85 17.2 14.1 21.1



#60
4-Bromofluorobenzene
Concen: 30.286 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Tgt Ion: 95 Resp: 41767
Ion Ratio Lower Upper
95 100
174 73.0 58.0 87.0
176 69.4 56.5 84.7





#63
Toluene-d8
Concen: 29.131 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026454.D
Acq: 14 Jan 2022 14:33

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 110583
Ion Ratio Lower Upper
98 100
100 66.4 52.5 78.7

