

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031413.D
 Acq On : 16 Sep 2022 16:26
 Operator : JC/MD
 Sample : N4671-01 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EFF-WW

Quant Time: Sep 17 01:49:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X091622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 16 12:41:56 2022
 Response via : Initial Calibration

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

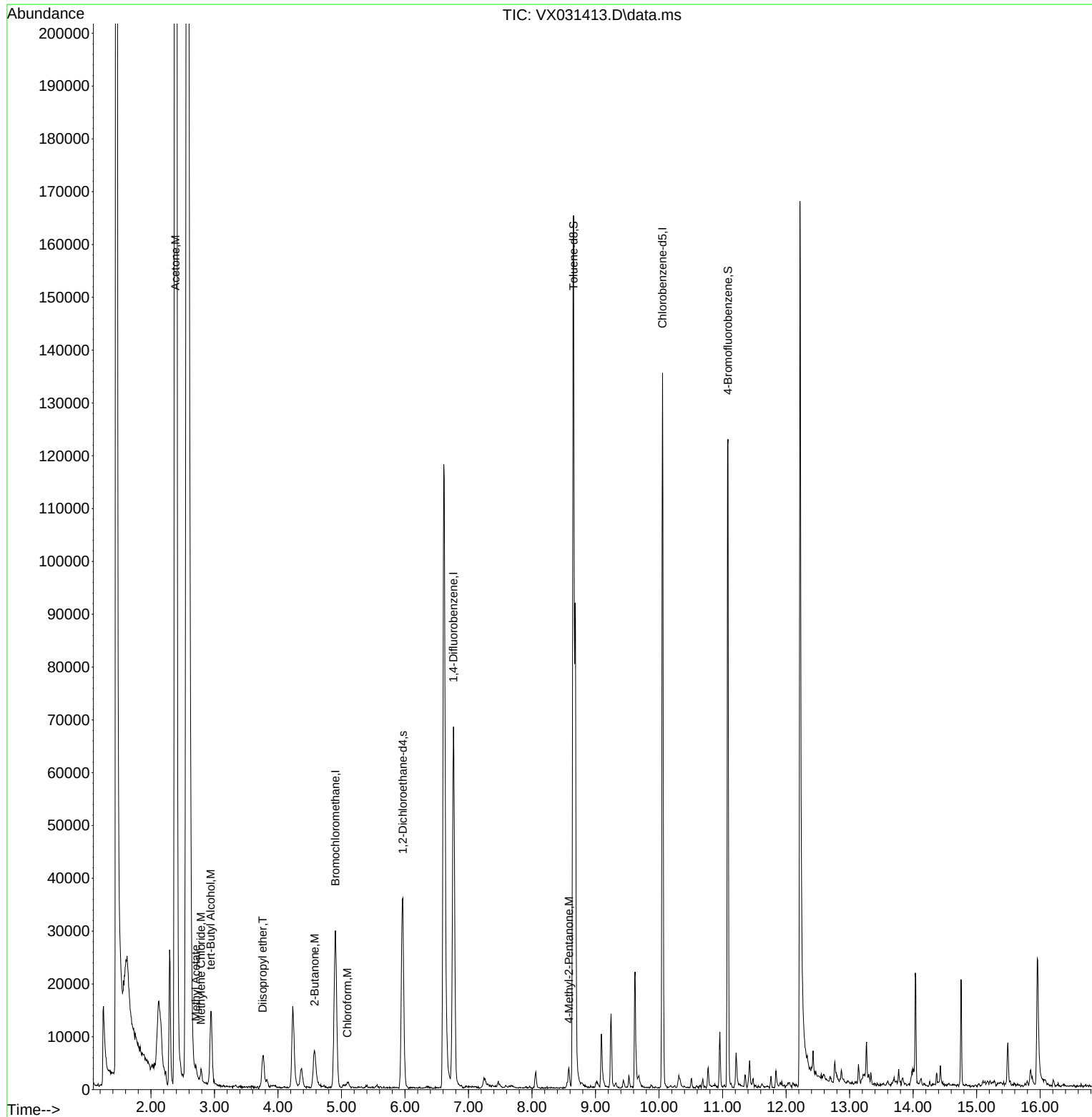
Internal Standards						
1) Bromochloromethane	4.903	128	11582	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	67402	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	58700	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	32708	31.347	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	104.500%	
60) 4-Bromofluorobenzene	11.085	95	28405	24.003	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	80.000%	
63) Toluene-d8	8.653	98	94587	29.436	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	98.133%	
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.709	43	3564	2.976	ug/l #	88
15) Acetone	2.386	58	566491	4139.831	ug/l	96
18) Methylene Chloride	2.788	84	872	0.968	ug/l #	82
20) Diisopropyl ether	3.757	45	6614	2.232	ug/l #	70
23) tert-Butyl Alcohol	2.940	59	8951	35.584	ug/l #	100
25) Chloroform	5.092	83	1242	0.697	ug/l #	84
30) 2-Butanone	4.574	43	8268	10.802	ug/l #	94
58) 4-Methyl-2-Pentanone	8.580	43	2658	1.890	ug/l #	90

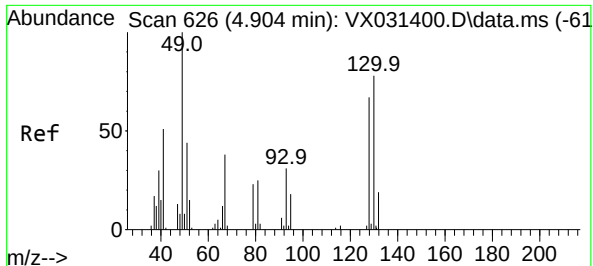
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
Data File : VX031413.D
Acq On : 16 Sep 2022 16:26
Operator : JC/MD
Sample : N4671-01 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Quant Time: Sep 17 01:49:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X091622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 16 12:41:56 2022
Response via : Initial Calibration

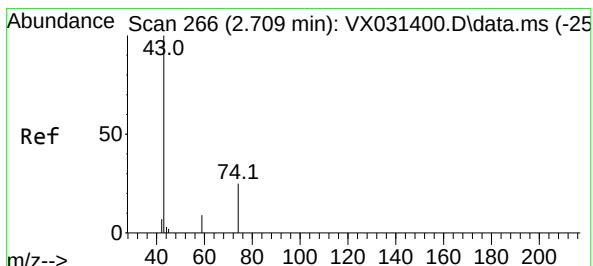
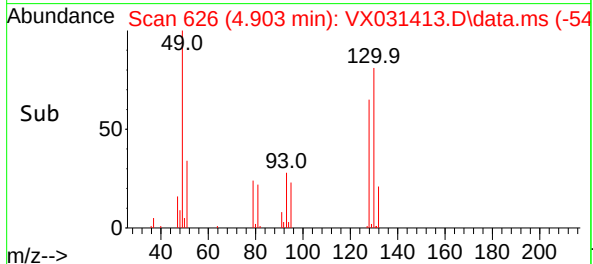
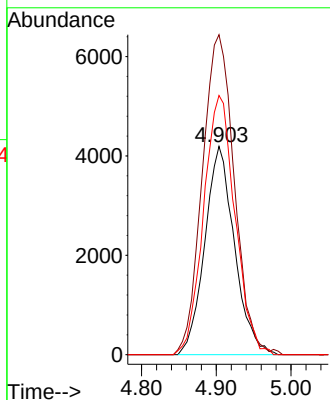
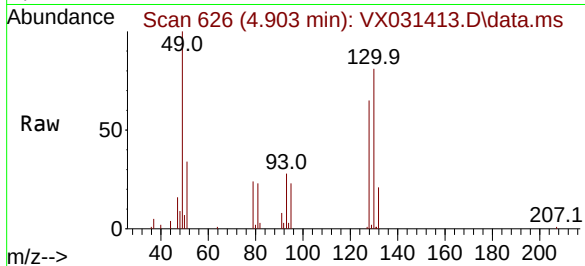




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

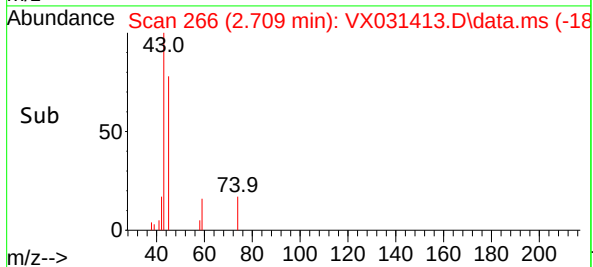
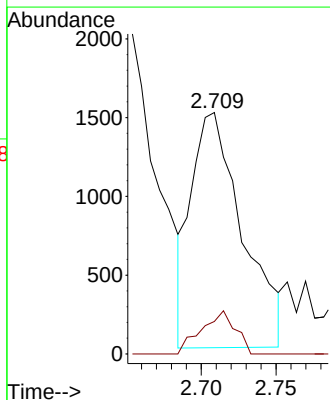
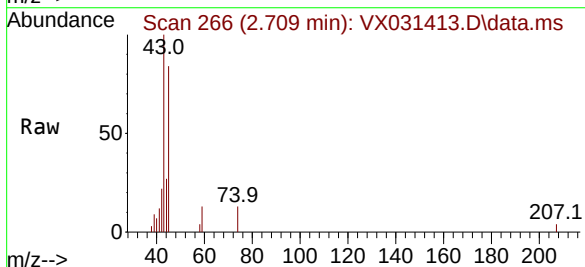
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

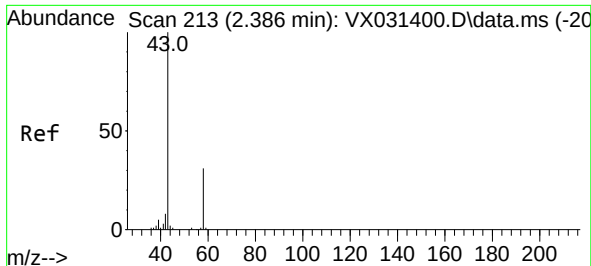
Tgt Ion:128 Resp: 11582
Ion Ratio Lower Upper
128 100
49 165.2 0.0 358.3
130 131.0 0.0 319.3



#12
Methyl Acetate
Concen: 2.976 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Tgt Ion: 43 Resp: 3564
Ion Ratio Lower Upper
43 100
74 21.5 22.1 33.1#

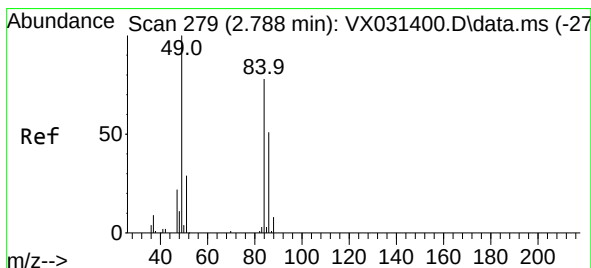
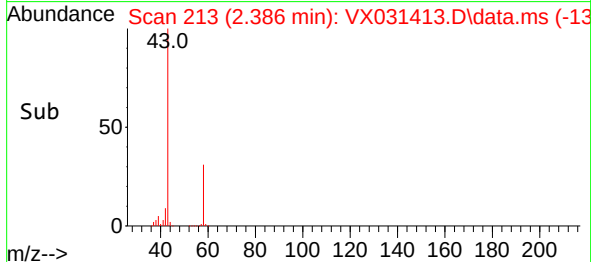
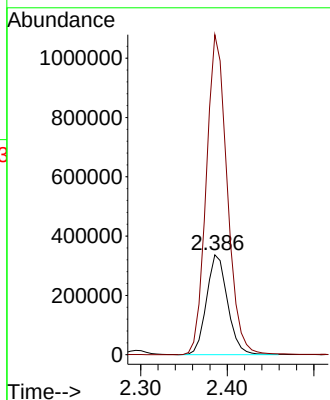
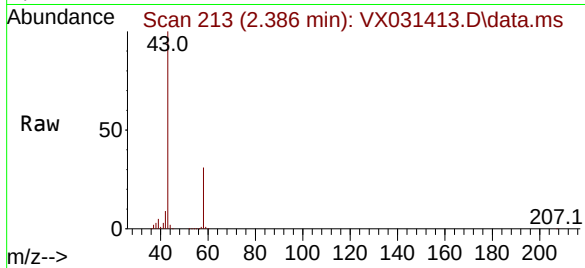




#15
Acetone
Concen: 4139.831 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

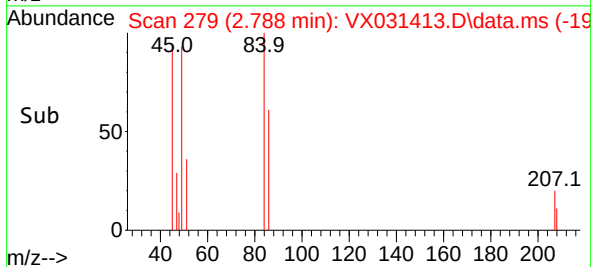
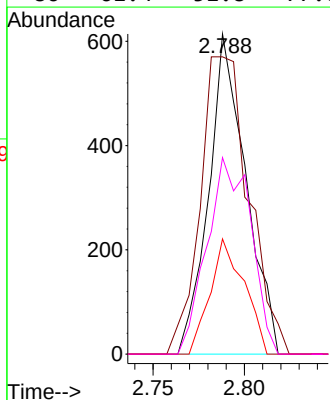
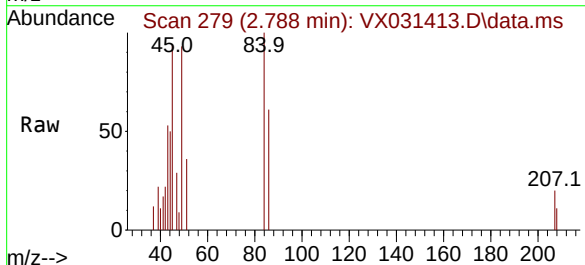
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

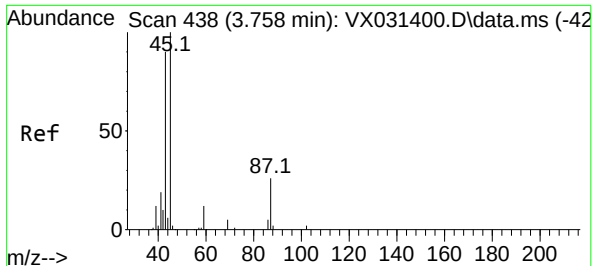
Tgt Ion: 58 Resp: 566491
Ion Ratio Lower Upper
58 100
43 320.6 250.2 375.2



#18
Methylene Chloride
Concen: 0.968 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Tgt Ion: 84 Resp: 872
Ion Ratio Lower Upper
84 100
49 83.7 94.2 141.2#
51 36.0 29.2 43.8
86 61.4 51.8 77.6

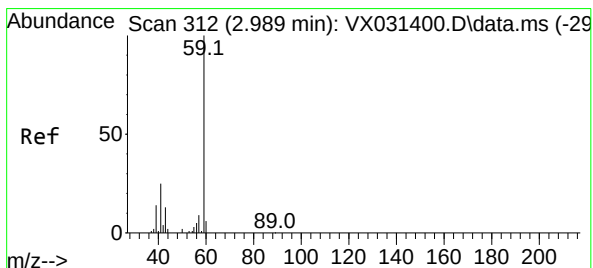
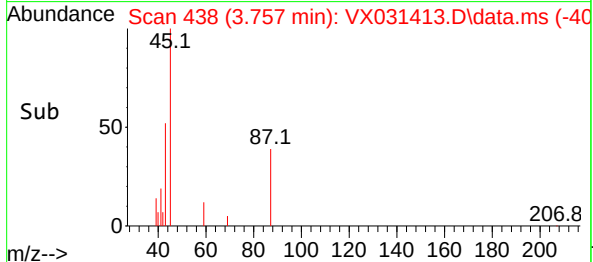
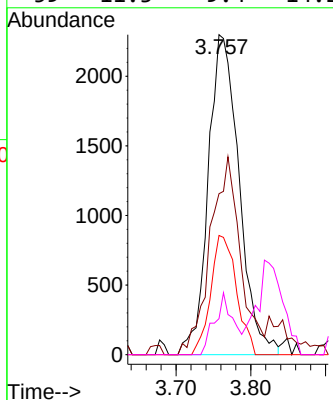
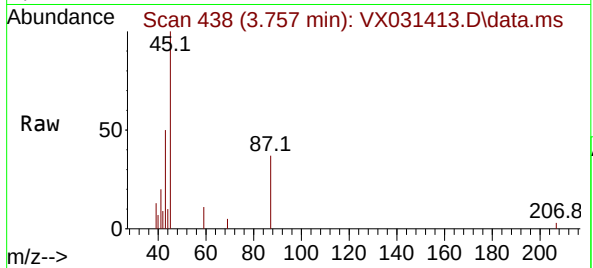




#20
Diisopropyl ether
Concen: 2.232 ug/l
RT: 3.757 min Scan# 41
Delta R.T. -0.006 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

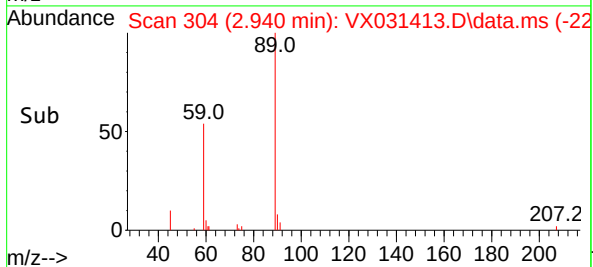
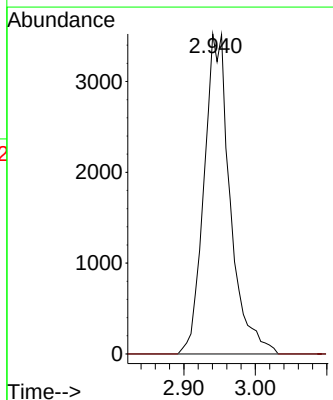
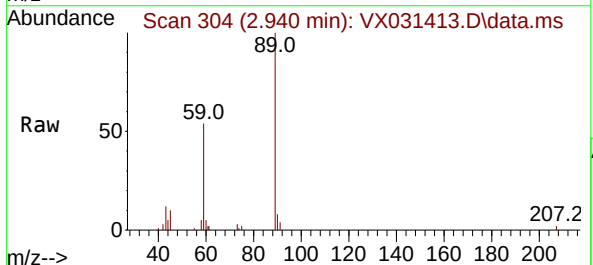
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

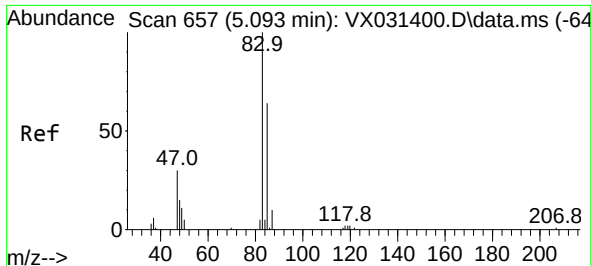
Tgt Ion:	45	Resp:	6614
Ion	Ratio	Lower	Upper
45	100		
43	50.3	70.3	105.5#
87	37.2	24.5	36.7#
59	11.3	9.4	14.2



#23
tert-Butyl Alcohol
Concen: 35.584 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Tgt Ion:	59	Resp:	8951
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#25

Chloroform

Concen: 0.697 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX031413.D

Acq: 16 Sep 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

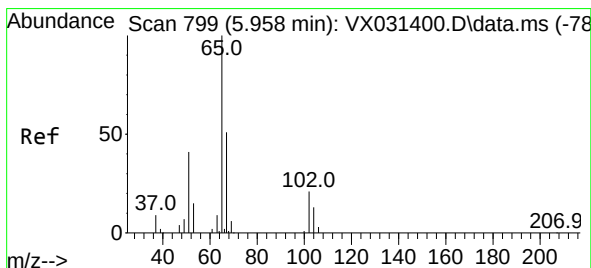
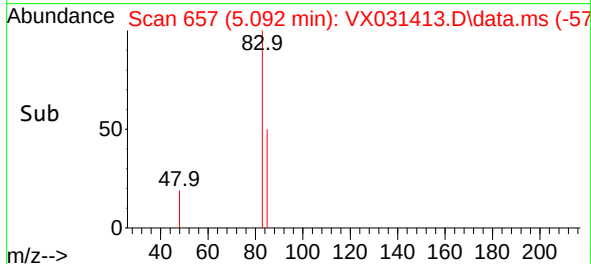
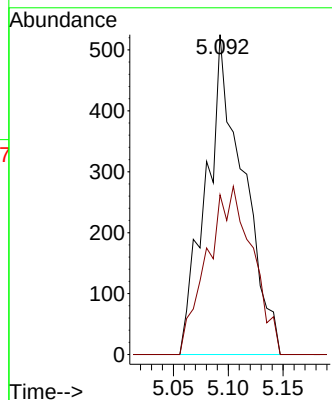
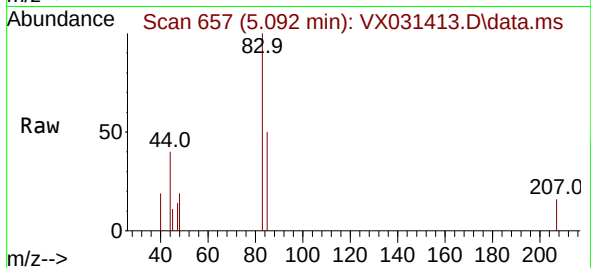
EFF-WW

Tgt Ion: 83 Resp: 1242

Ion Ratio Lower Upper

83 100

85 49.9 49.9 74.9#



#27

1,2-Dichloroethane-d4

Concen: 31.347 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031413.D

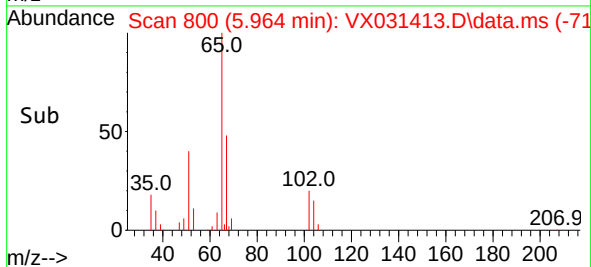
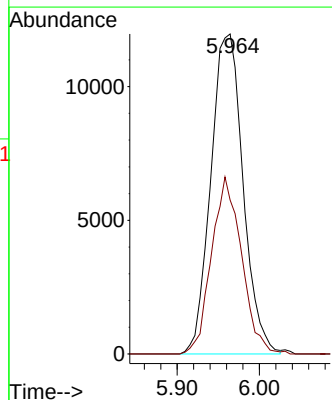
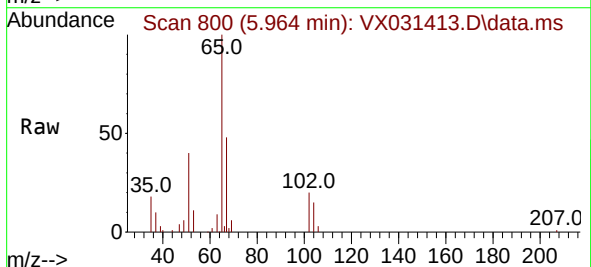
Acq: 16 Sep 2022 16:26

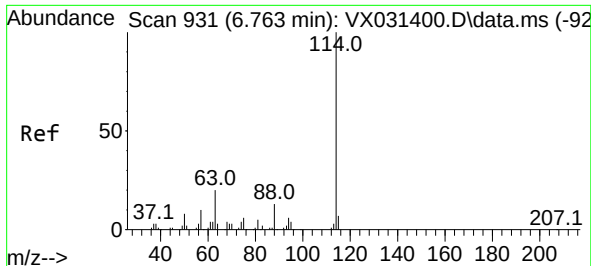
Tgt Ion: 65 Resp: 32708

Ion Ratio Lower Upper

65 100

67 51.4 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX031413.D

Acq: 16 Sep 2022 16:26

Instrument :

MSVOA_X

ClientSampleId :

EFF-WW

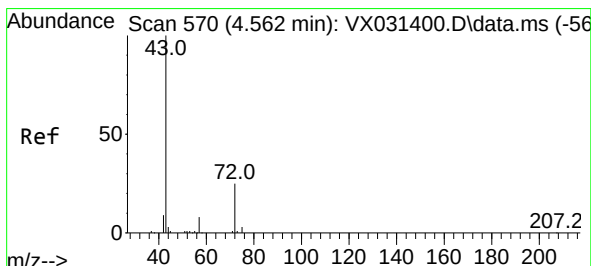
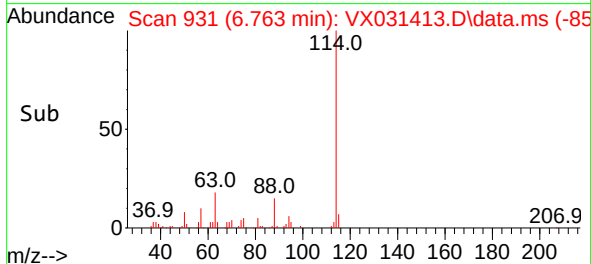
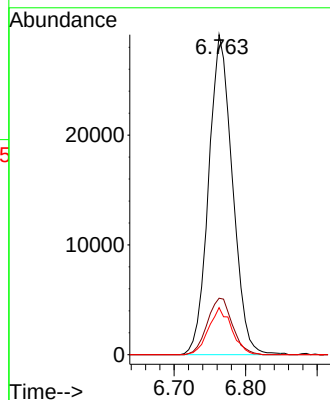
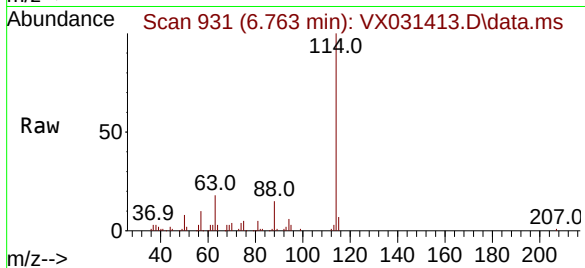
Tgt Ion:114 Resp: 67402

Ion Ratio Lower Upper

114 100

63 18.5 15.3 22.9

88 14.3 12.2 18.4



#30

2-Butanone

Concen: 10.802 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX031413.D

Acq: 16 Sep 2022 16:26

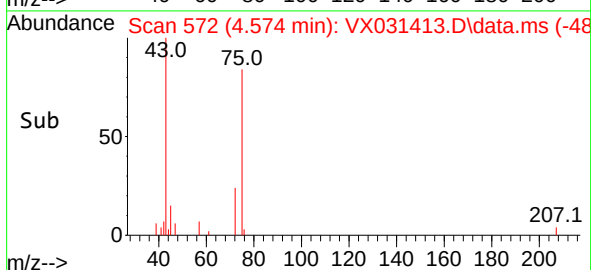
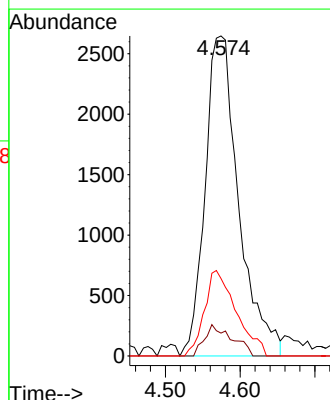
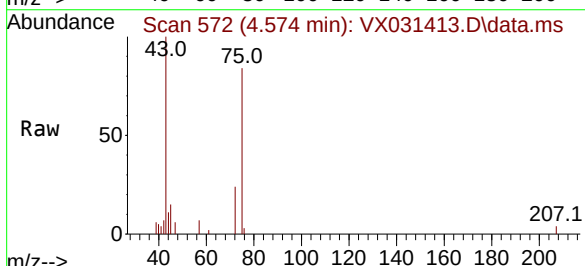
Tgt Ion: 43 Resp: 8268

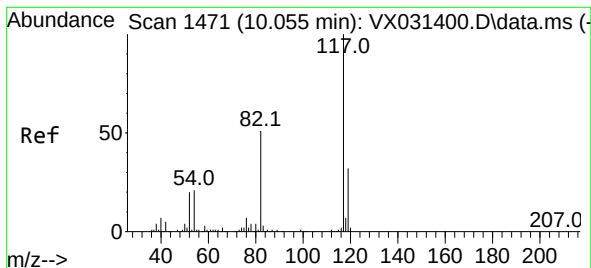
Ion Ratio Lower Upper

43 100

57 4.6 6.6 10.0#

72 25.3 22.1 33.1

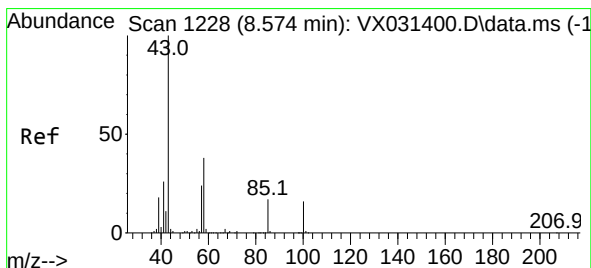
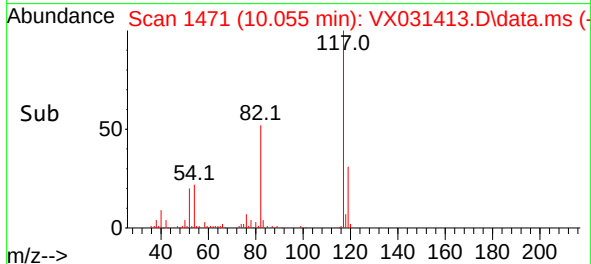
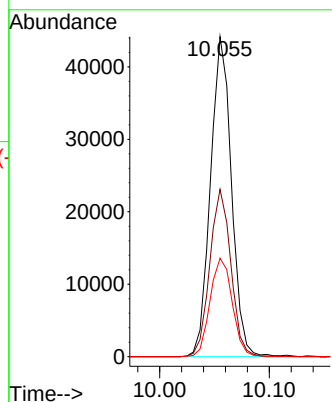
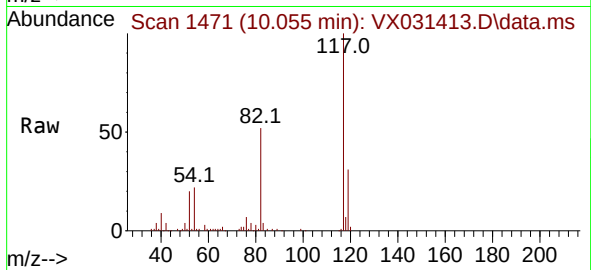




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

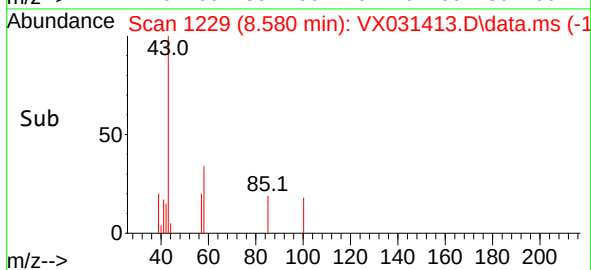
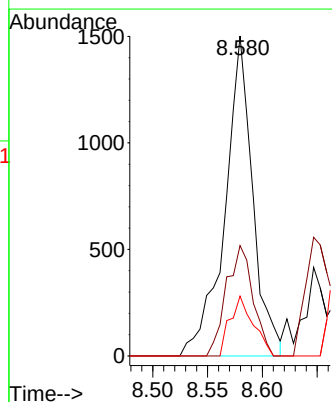
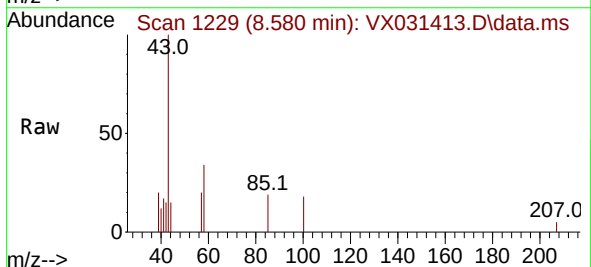
Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

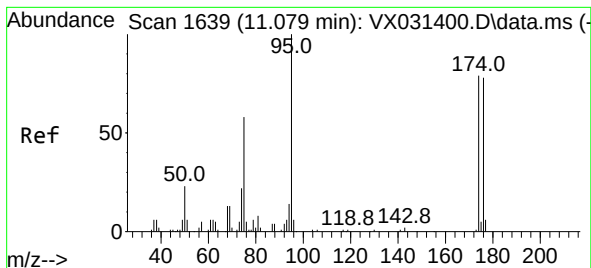
Tgt Ion: 117 Resp: 58700
Ion Ratio Lower Upper
117 100
82 52.7 42.3 63.5
119 32.5 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 1.890 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Tgt Ion: 43 Resp: 2658
Ion Ratio Lower Upper
43 100
58 33.0 31.8 47.6
85 15.6 15.8 23.6#

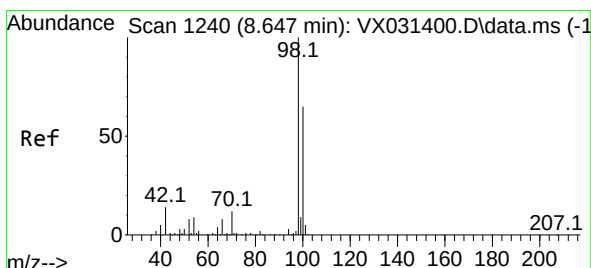
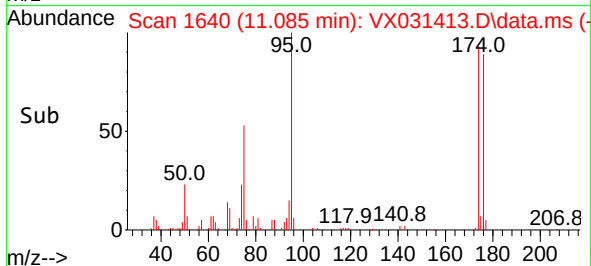
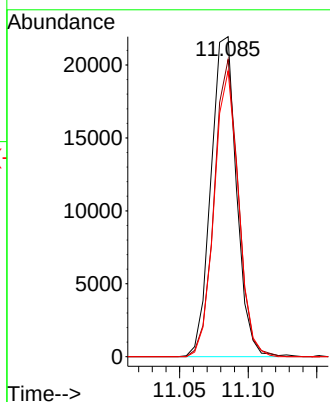
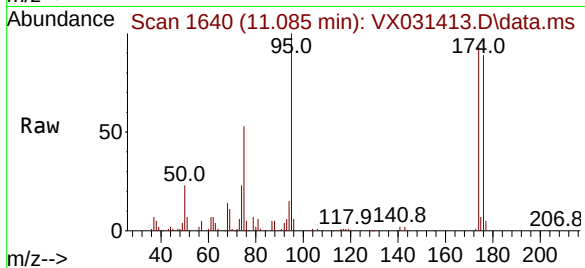




#60
4-Bromofluorobenzene
Concen: 24.003 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Instrument :
MSVOA_X
ClientSampleId :
EFF-WW

Tgt Ion: 95 Resp: 28405
Ion Ratio Lower Upper
95 100
174 87.6 65.4 98.2
176 85.0 63.4 95.0



#63
Toluene-d8
Concen: 29.436 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031413.D
Acq: 16 Sep 2022 16:26

Tgt Ion: 98 Resp: 94587
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.2

