

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042011.D
 Acq On : 24 Jun 2024 17:50
 Operator : JC/MD
 Sample : P3028-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 06:45:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

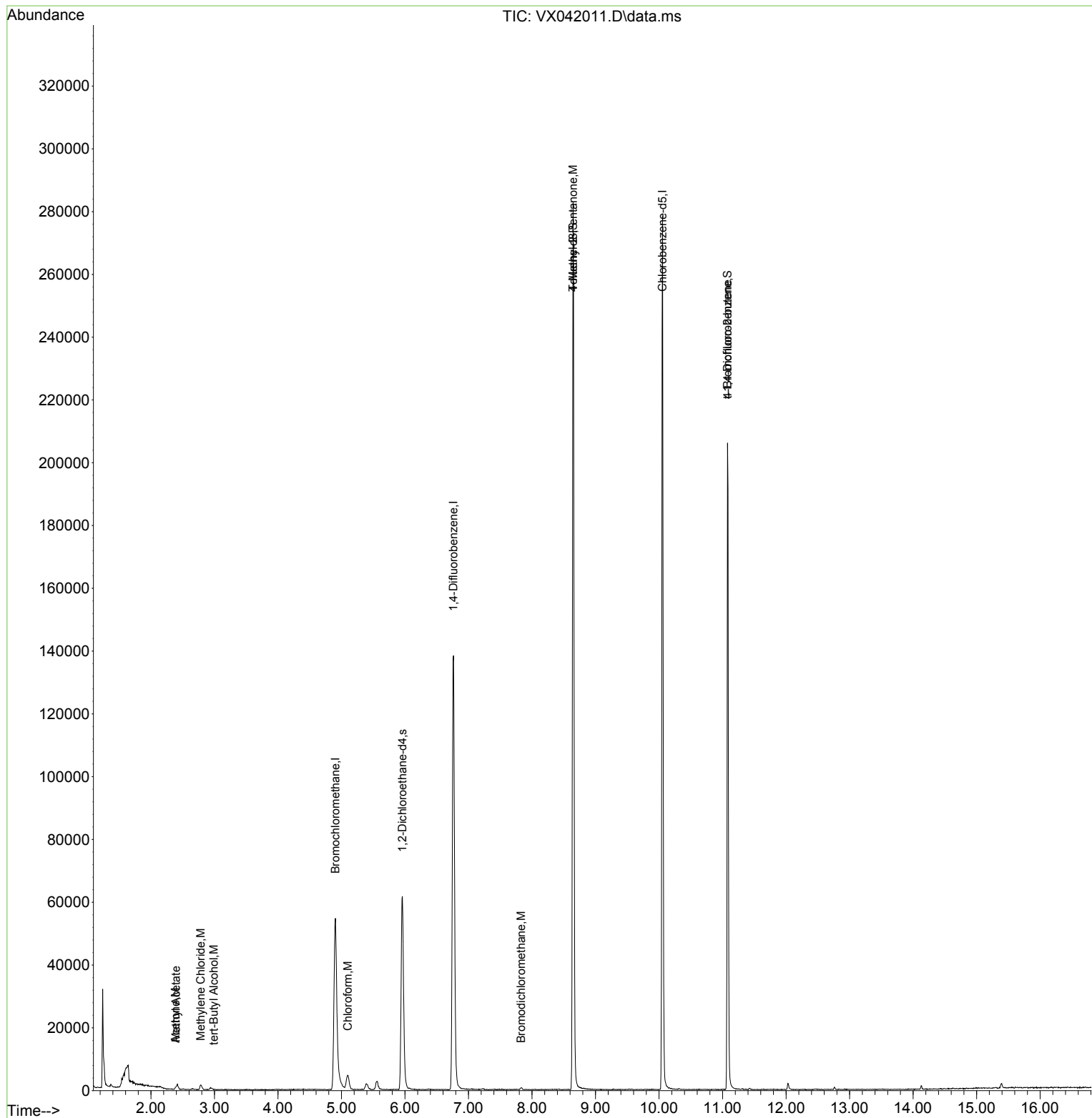
Internal Standards						
1) Bromochloromethane	4.904	128	29214	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	154930	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138234	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59634	29.653	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.833%
60) 4-Bromofluorobenzene	11.079	95	57247	26.754	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.167%
63) Toluene-d8	8.647	98	177436	30.002	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.000%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.392	43	787	0.346	ug/l #	51
15) Acetone	2.386	58	292	0.945	ug/l #	33
18) Methylene Chloride	2.782	84	984	0.480	ug/l #	92
23) tert-Butyl Alcohol	2.989	59	119	0.296	ug/l #	100
25) Chloroform	5.099	83	6076	1.878	ug/l	98
41) Bromodichloromethane	7.830	83	510	0.240	ug/l #	86
58) 4-Methyl-2-Pentanone	8.647	43	608	0.245	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25691	32.128	ug/l #	7

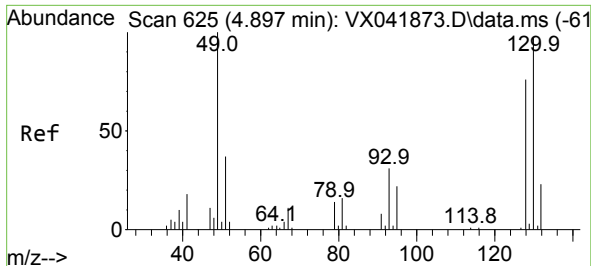
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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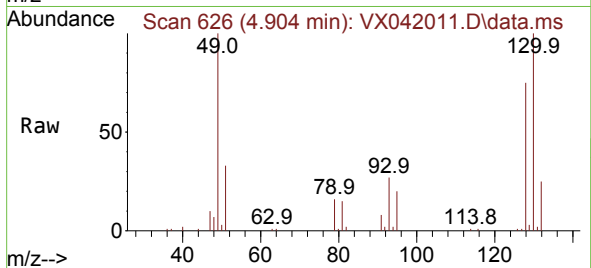
Quant Time: Jun 25 06:45:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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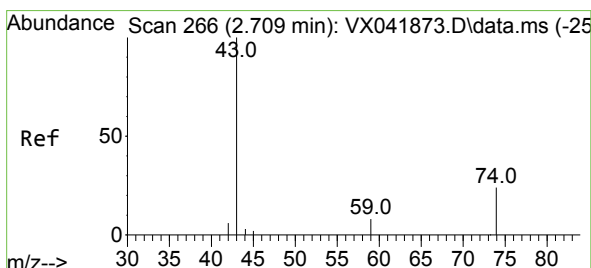
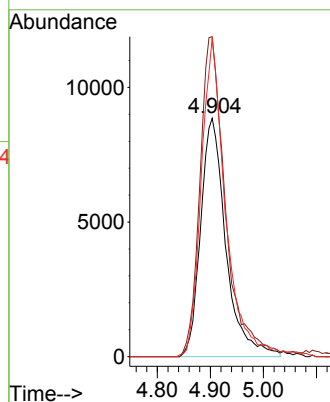
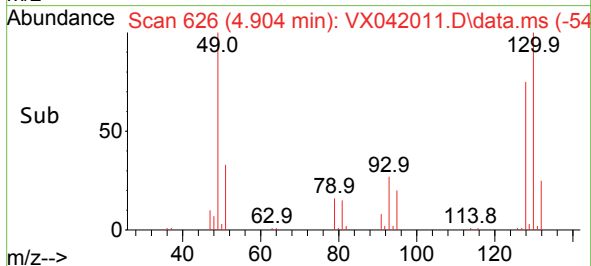


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Instrument :
MSVOA_X
ClientSampleId :

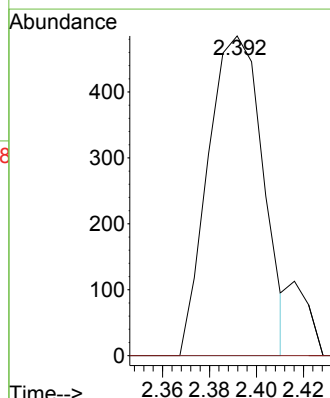
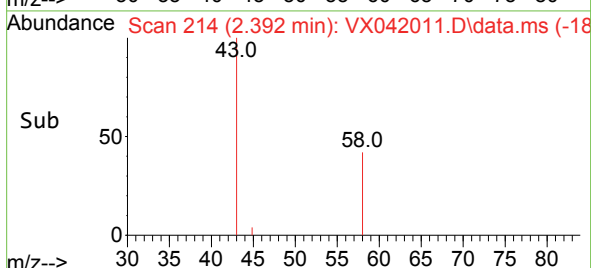
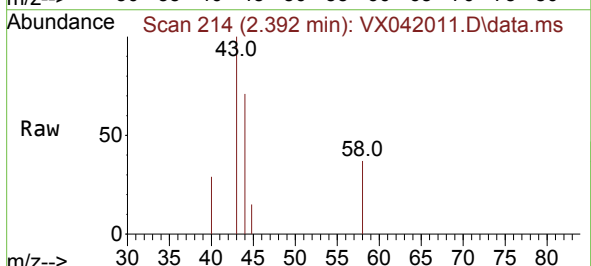


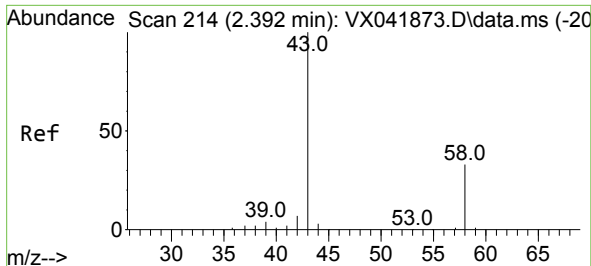
Tgt Ion:128 Resp: 29214
Ion Ratio Lower Upper
128 100
49 136.5 0.0 338.5
130 125.8 0.0 324.5



#12
Methyl Acetate
Concen: 0.346 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.317 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





#15

Acetone

Concen: 0.945 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042011.D

Acq: 24 Jun 2024 17:50

Instrument :

MSVOA_X

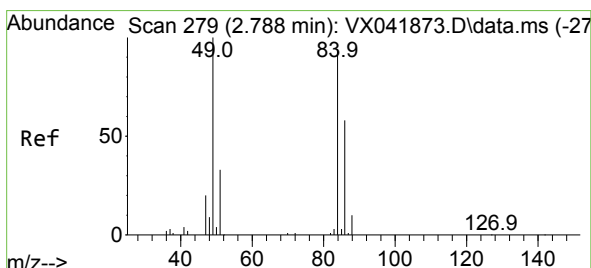
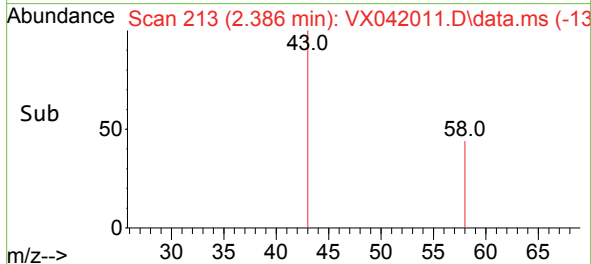
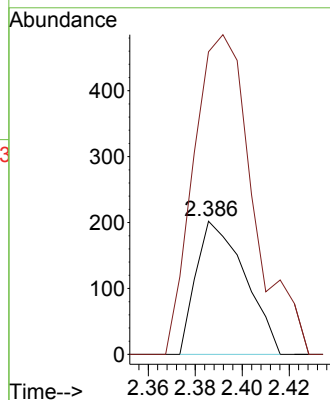
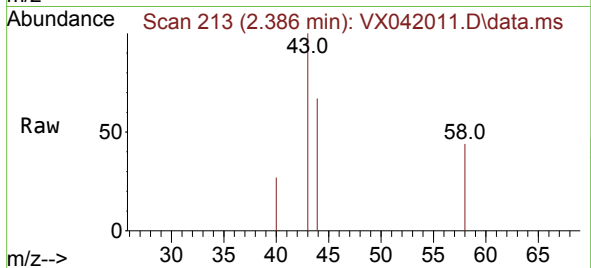
ClientSampleId :

Tgt Ion: 58 Resp: 292

Ion Ratio Lower Upper

58 100

43 171.3 243.4 365.2#



#18

Methylene Chloride

Concen: 0.480 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX042011.D

Acq: 24 Jun 2024 17:50

Tgt Ion: 84 Resp: 984

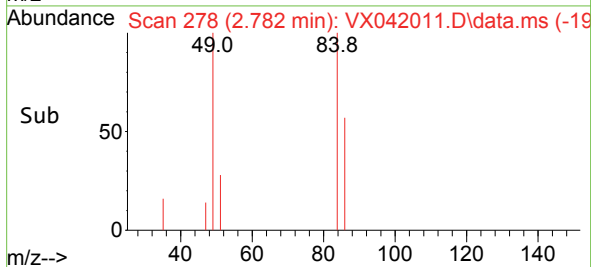
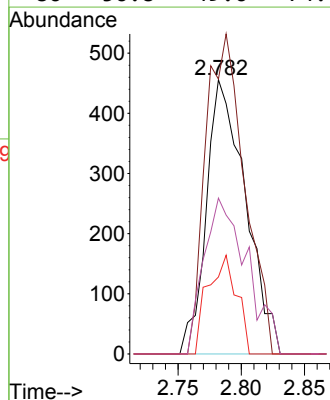
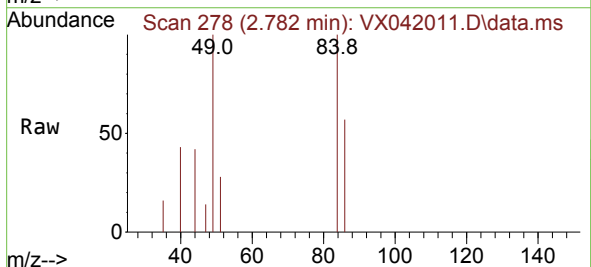
Ion Ratio Lower Upper

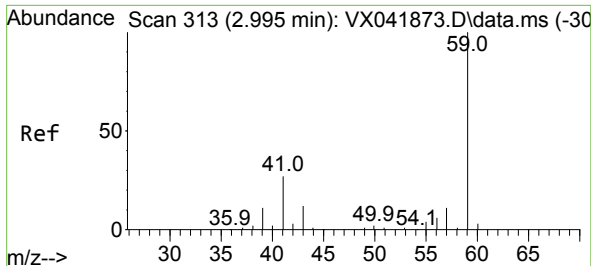
84 100

49 100.2 85.3 127.9

51 28.1 28.5 42.7#

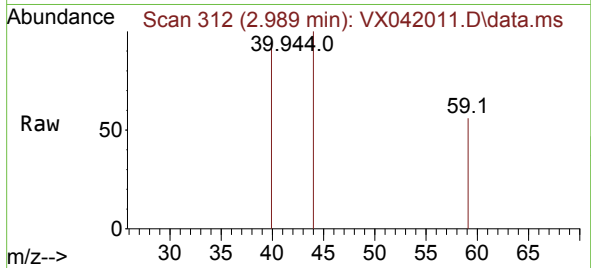
86 56.8 49.6 74.4



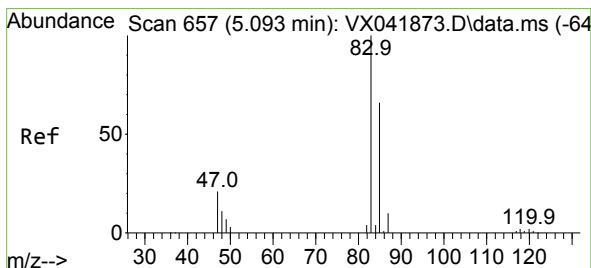
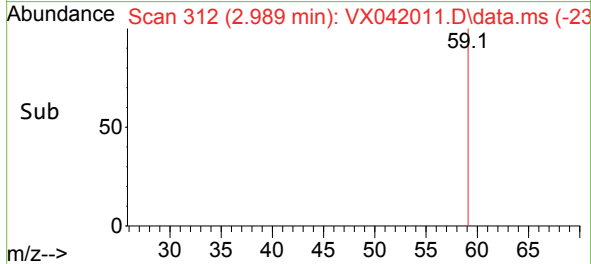
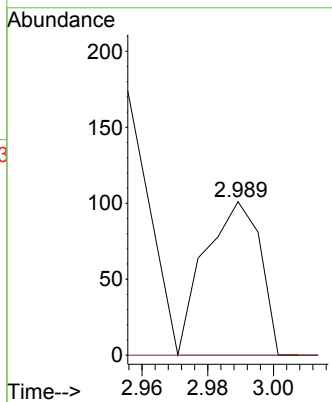


#23
tert-Butyl Alcohol
Concen: 0.296 ug/l
RT: 2.989 min Scan# 313
Delta R.T. -0.006 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Instrument :
MSVOA_X
ClientSampleId :

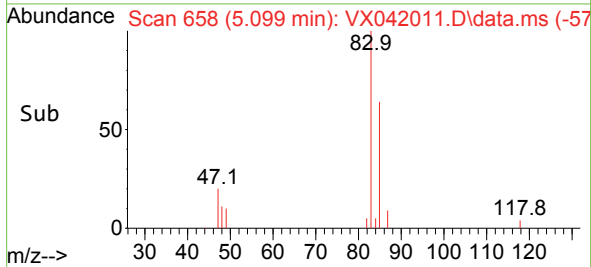
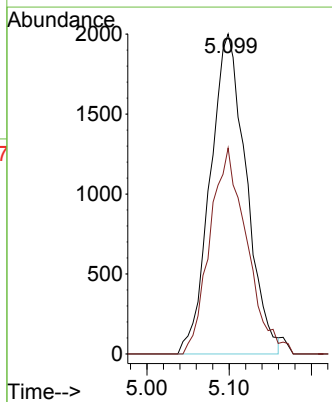
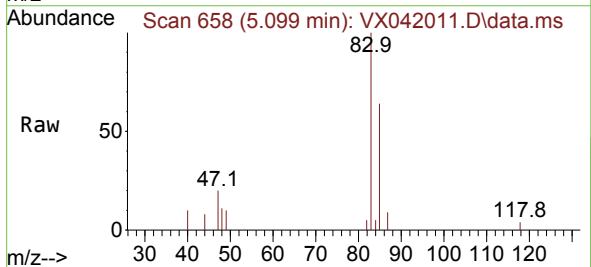


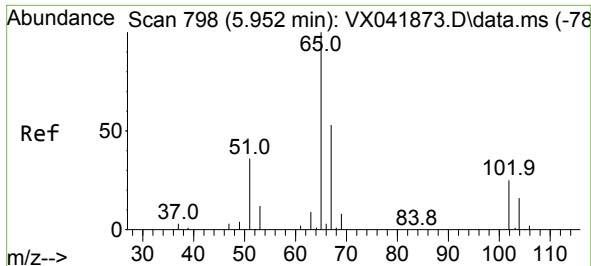
Tgt Ion: 59 Resp: 119
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.878 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.006 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Tgt Ion: 83 Resp: 6076
Ion Ratio Lower Upper
83 100
85 64.4 52.7 79.1





#27

1,2-Dichloroethane-d4

Concen: 29.653 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042011.D

Acq: 24 Jun 2024 17:50

Instrument :

MSVOA_X

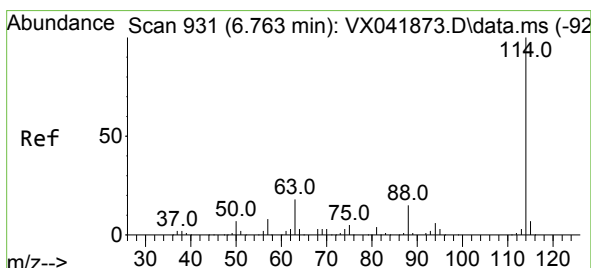
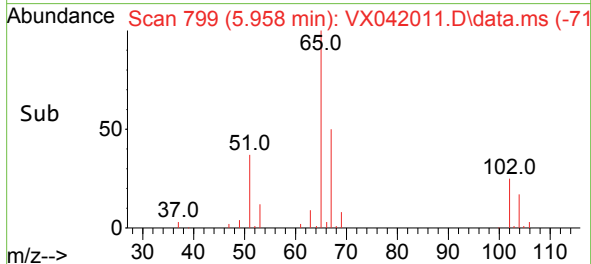
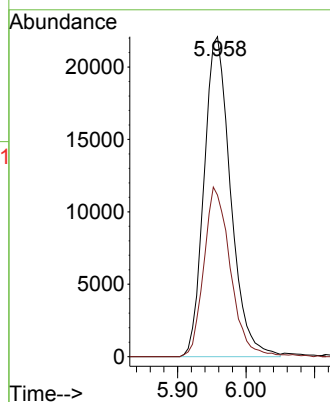
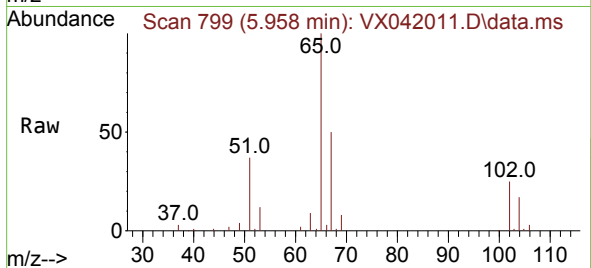
ClientSampleId :

Tgt Ion: 65 Resp: 59634

Ion Ratio Lower Upper

65 100

67 52.6 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042011.D

Acq: 24 Jun 2024 17:50

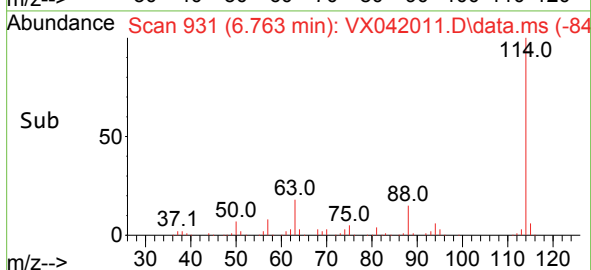
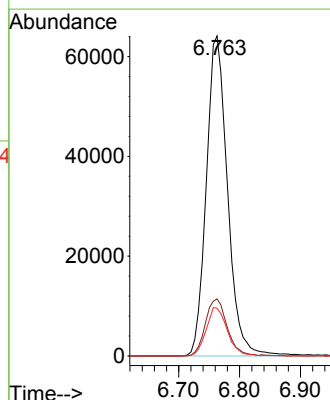
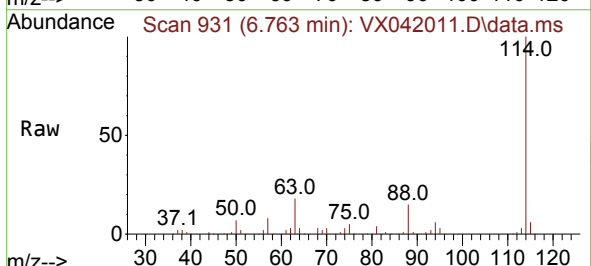
Tgt Ion: 114 Resp: 154930

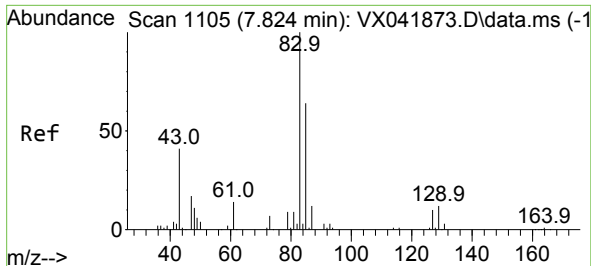
Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 15.1 11.8 17.8

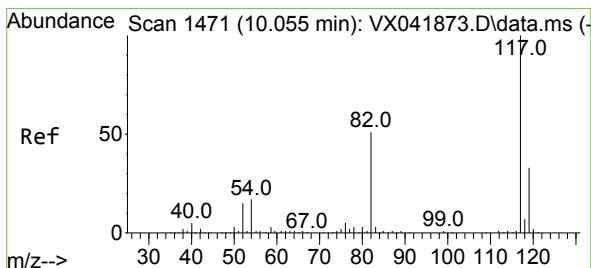
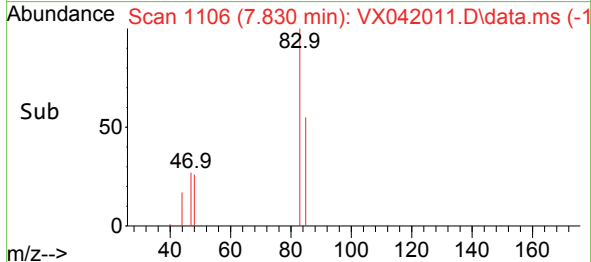
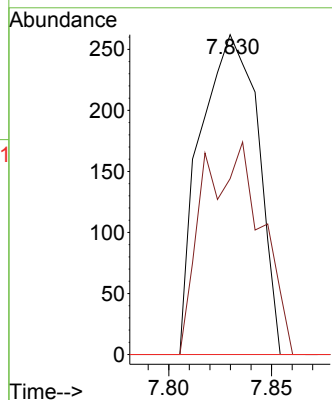
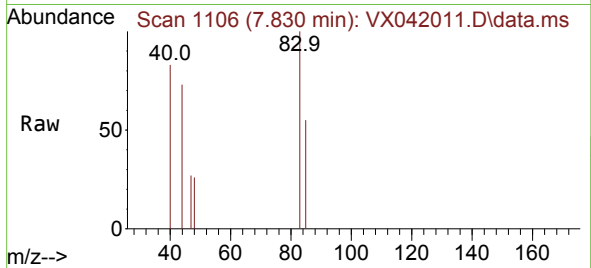




#41
Bromodichloromethane
Concen: 0.240 ug/l
RT: 7.830 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

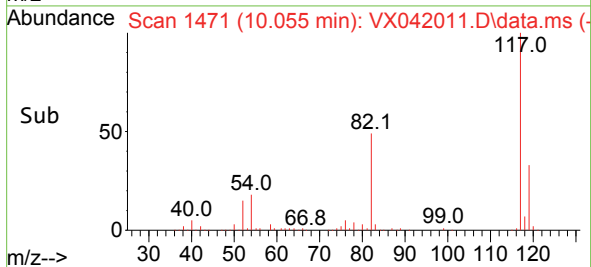
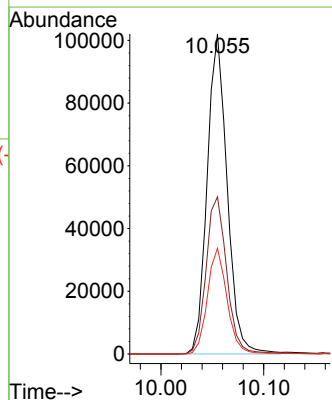
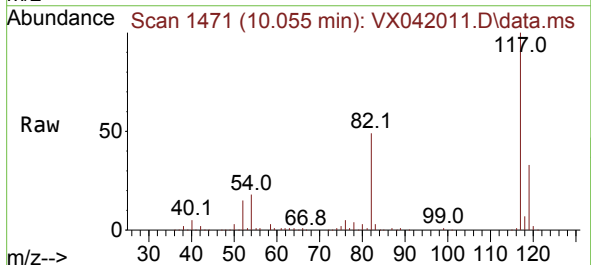
Instrument :
MSVOA_X
ClientSampleId :

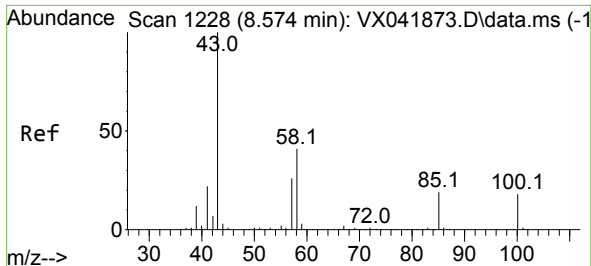
Tgt Ion: 83 Resp: 510
Ion Ratio Lower Upper
83 100
85 55.0 51.1 76.7
127 0.0 8.1 12.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Tgt Ion: 117 Resp: 138234
Ion Ratio Lower Upper
117 100
82 51.0 41.1 61.7
119 32.5 26.1 39.1

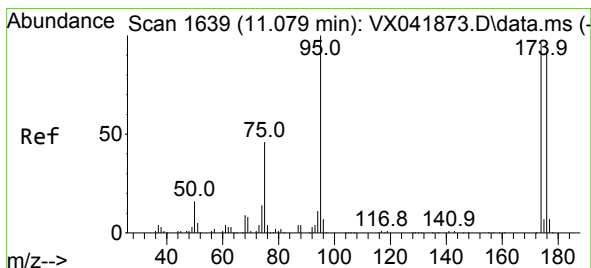
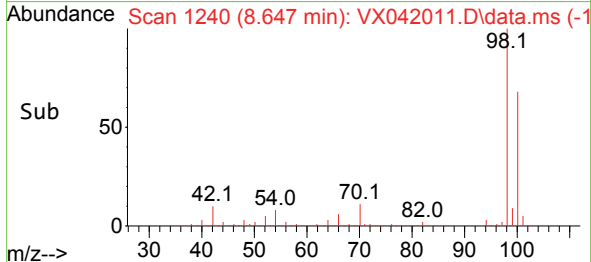
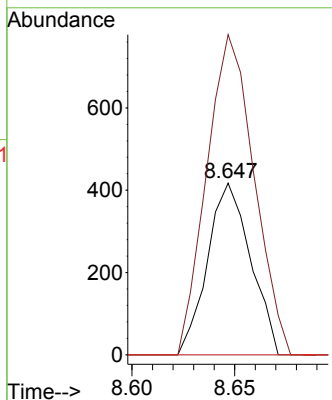
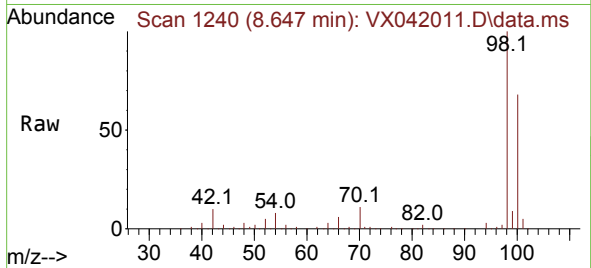




#58
 4-Methyl-2-Pentanone
 Concen: 0.245 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX042011.D
 Acq: 24 Jun 2024 17:50

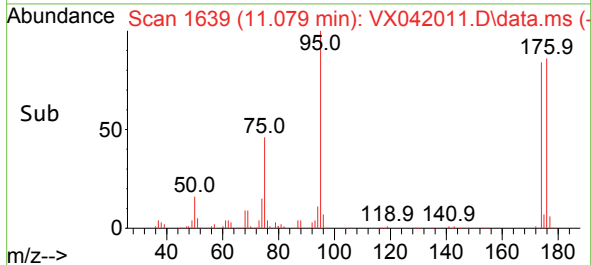
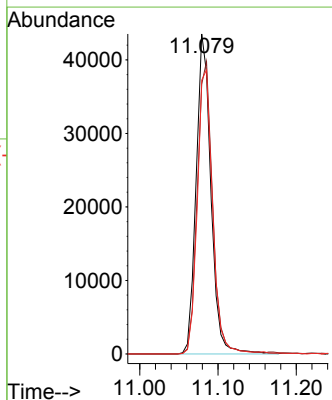
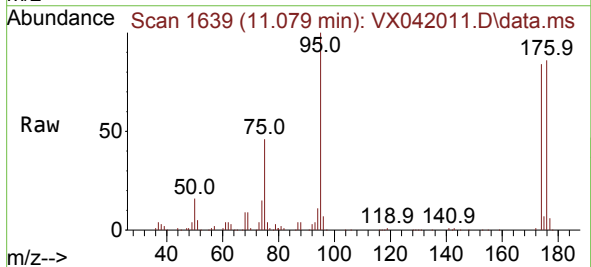
Instrument :
 MSVOA_X
 ClientSampleId :

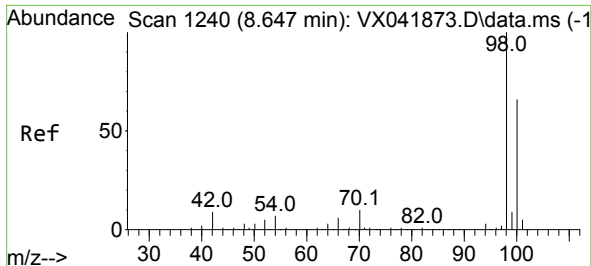
Tgt Ion: 43 Resp: 608
 Ion Ratio Lower Upper
 43 100
 58 205.3 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 26.754 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX042011.D
 Acq: 24 Jun 2024 17:50

Tgt Ion: 95 Resp: 57247
 Ion Ratio Lower Upper
 95 100
 174 93.6 78.9 118.3
 176 91.2 77.1 115.7

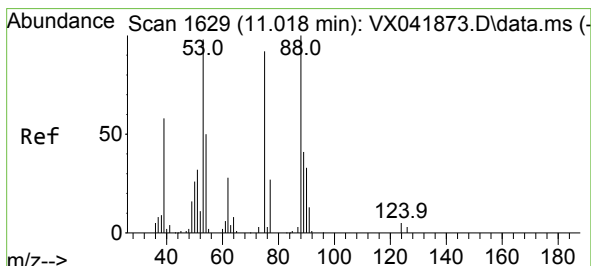
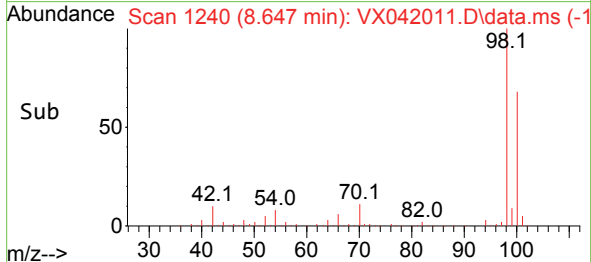
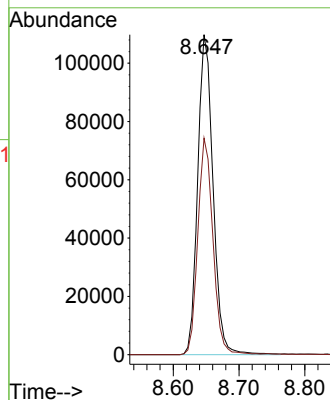
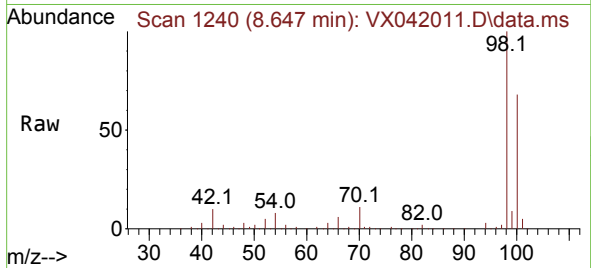




#63
Toluene-d8
Concen: 30.002 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 177436
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.128 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042011.D
Acq: 24 Jun 2024 17:50

Tgt Ion: 75 Resp: 25691
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

