

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041634.D
 Acq On : 23 May 2024 17:18
 Operator : JC/MD
 Sample : P2601-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 06:45:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

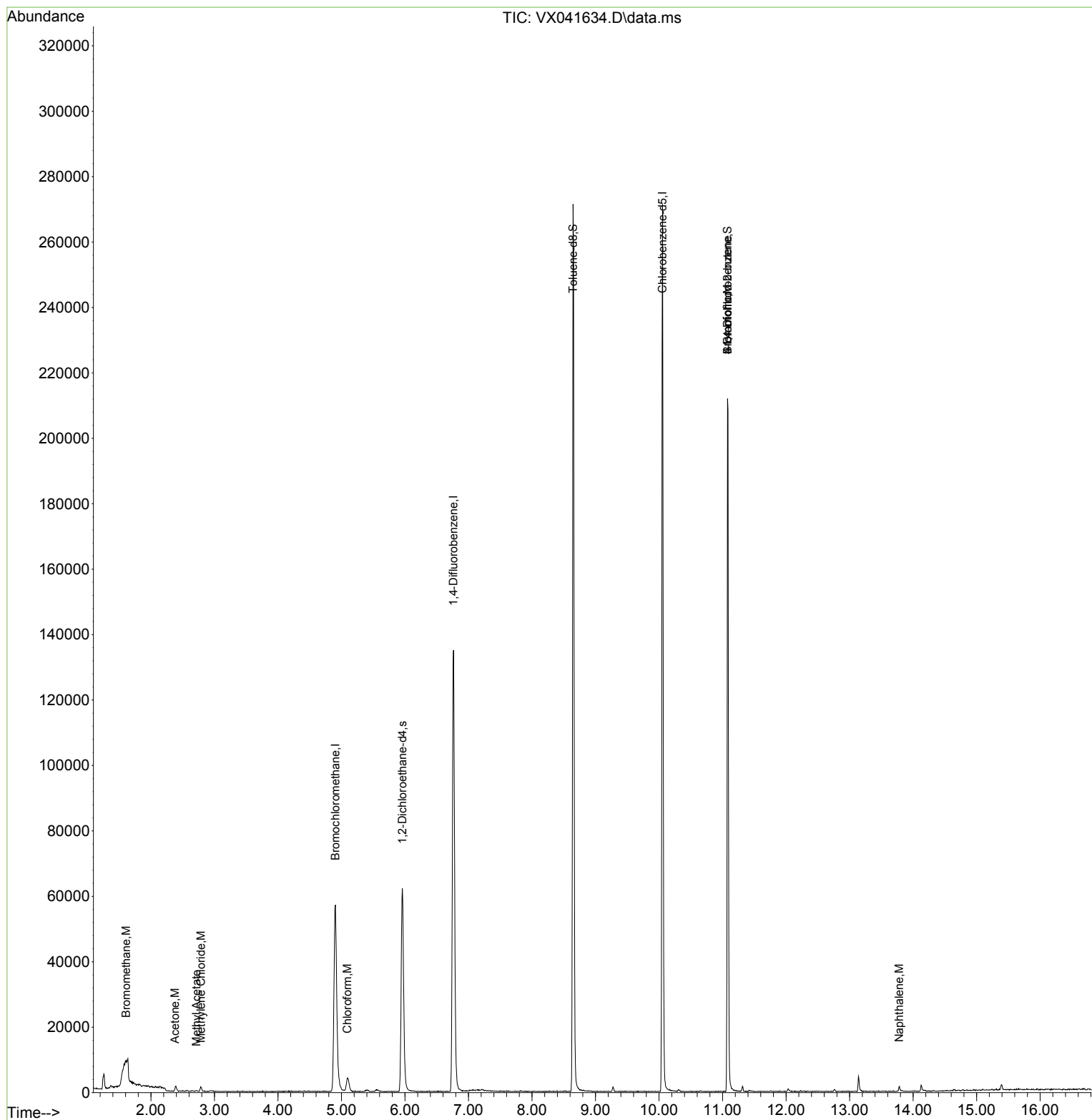
Internal Standards						
1) Bromochloromethane	4.903	128	26443	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	143988	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	124963	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62394	29.963	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.867%
60) 4-Bromofluorobenzene	11.079	95	54930	28.158	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.867%
63) Toluene-d8	8.646	98	163234	30.473	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.567%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	430	0.424	ug/l #	77
12) Methyl Acetate	2.715	43	456	0.224	ug/l #	50
15) Acetone	2.379	58	575	2.396	ug/l #	30
18) Methylene Chloride	2.788	84	666	0.414	ug/l #	75
25) Chloroform	5.092	83	5211	1.728	ug/l	99
56) Bromoform	11.079	173	296	0.209	ug/l #	36
77) t-1,4-Dichloro-2-butene	11.079	75	27123	40.559	ug/l #	1
91) Naphthalene	13.780	128	1851	0.250	ug/l #	85

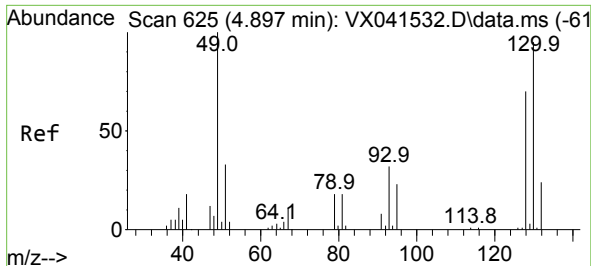
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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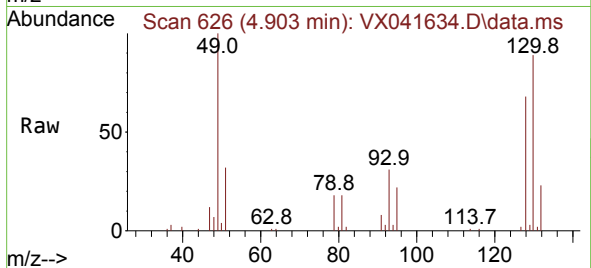
Quant Time: May 24 06:45:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



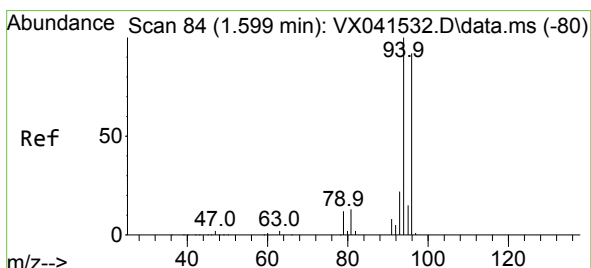
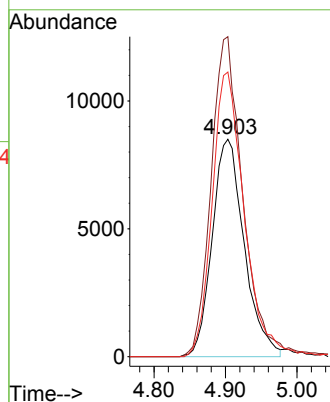
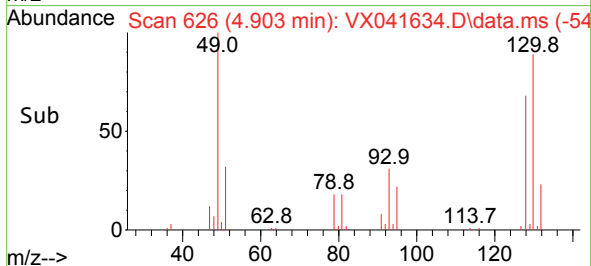


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :

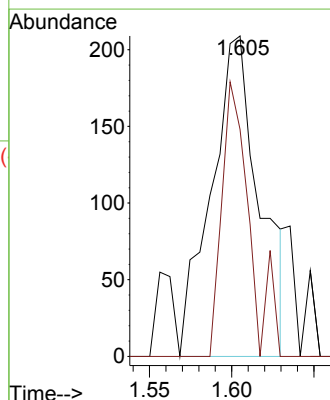
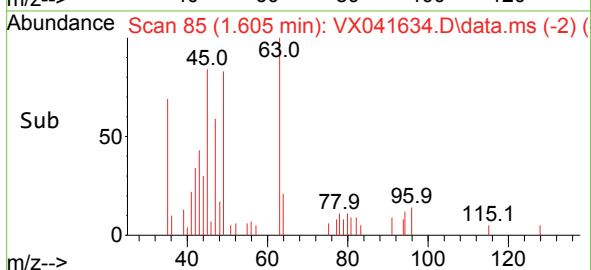
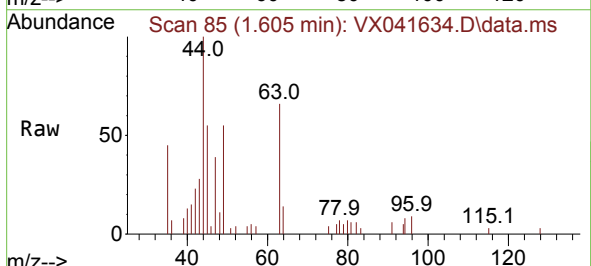


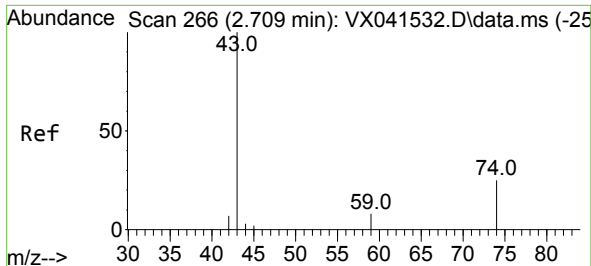
Tgt Ion:128 Resp: 26443
Ion Ratio Lower Upper
128 100
49 144.9 0.0 361.5
130 131.4 0.0 324.3



#5
Bromomethane
Concen: 0.424 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

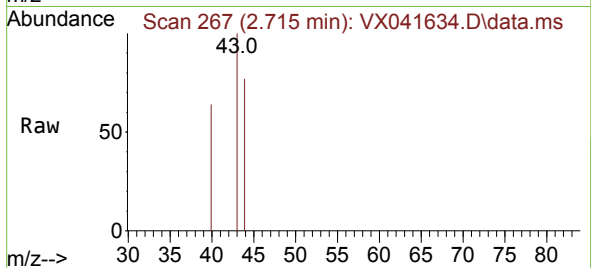
Tgt Ion: 94 Resp: 430
Ion Ratio Lower Upper
94 100
96 70.8 73.9 110.9#



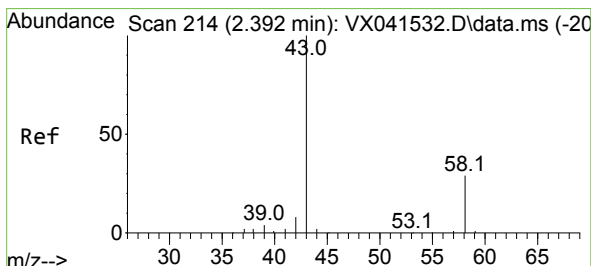
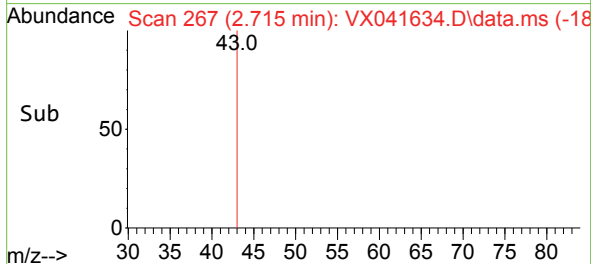
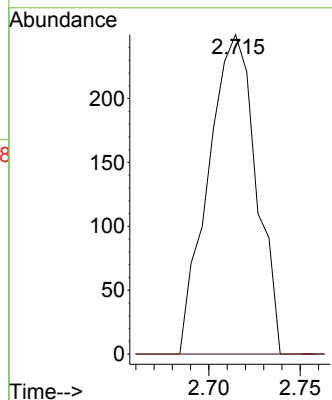


#12
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.715 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :

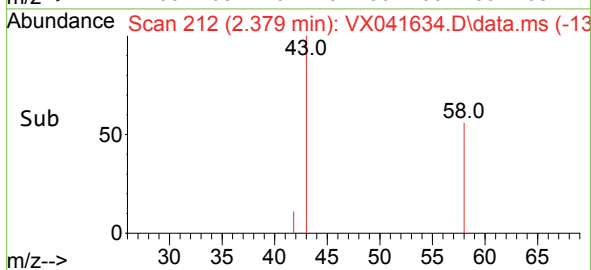
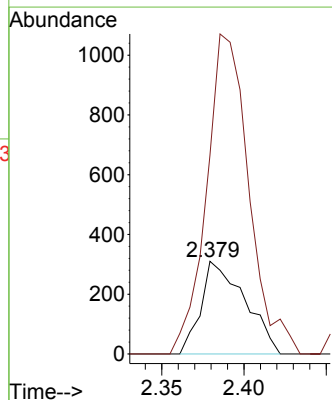
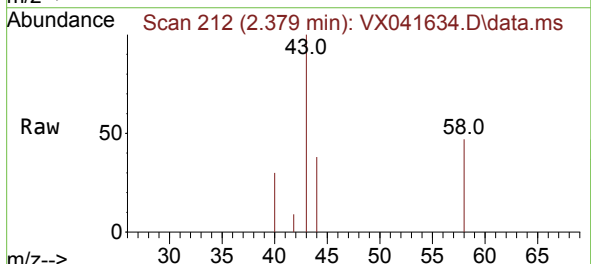


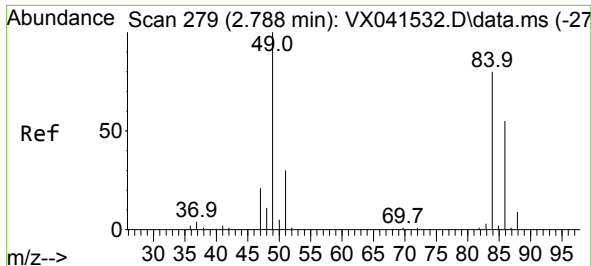
Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#



#15
Acetone
Concen: 2.396 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Tgt Ion: 58 Resp: 575
Ion Ratio Lower Upper
58 100
43 192.3 274.0 411.0#





#18

Methylene Chloride

Concen: 0.414 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

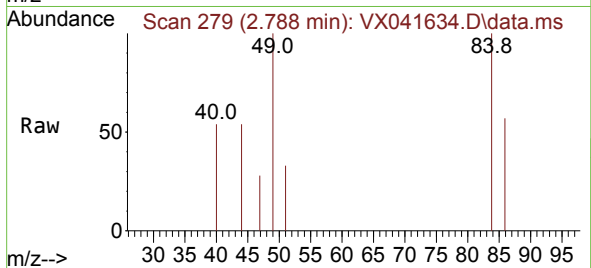
Lab File: VX041634.D

Acq: 23 May 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 666

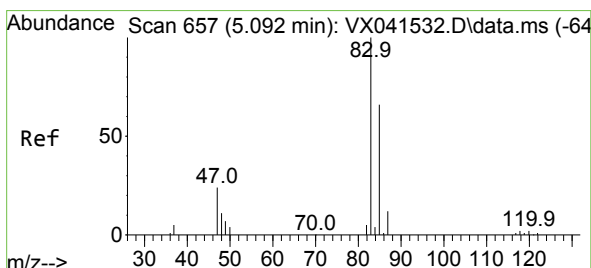
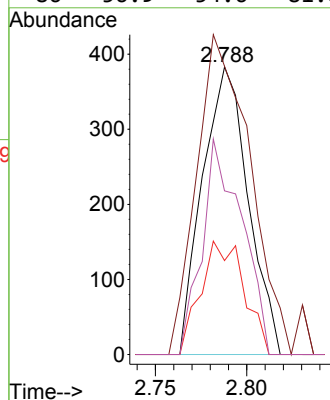
Ion Ratio Lower Upper

84 100

49 84.1 99.8 149.8#

51 32.6 30.2 45.4

86 56.9 54.6 81.8



#25

Chloroform

Concen: 1.728 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX041634.D

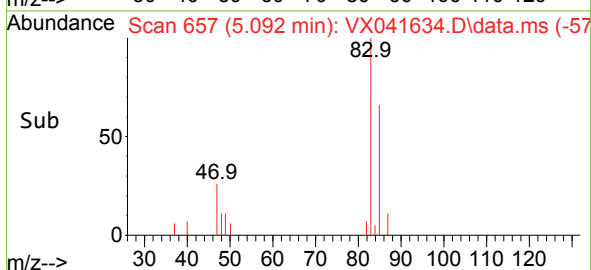
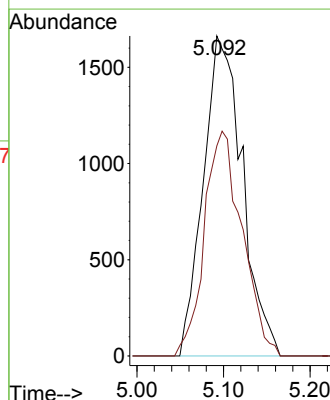
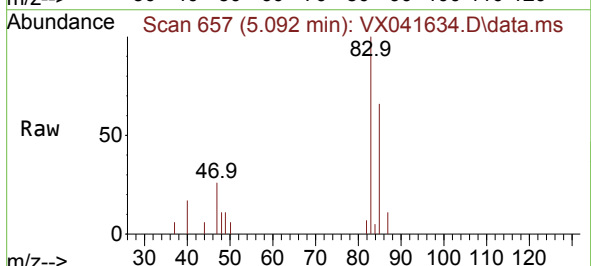
Acq: 23 May 2024 17:18

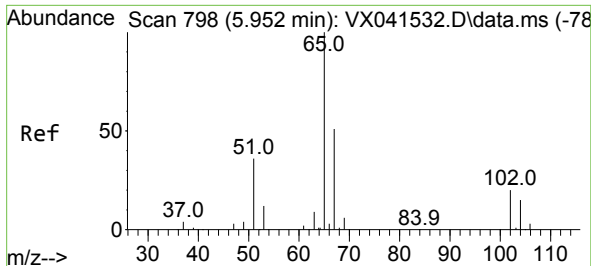
Tgt Ion: 83 Resp: 5211

Ion Ratio Lower Upper

83 100

85 65.7 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 29.963 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041634.D

Acq: 23 May 2024 17:18

Instrument :

MSVOA_X

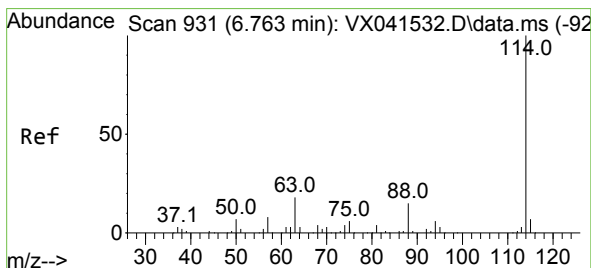
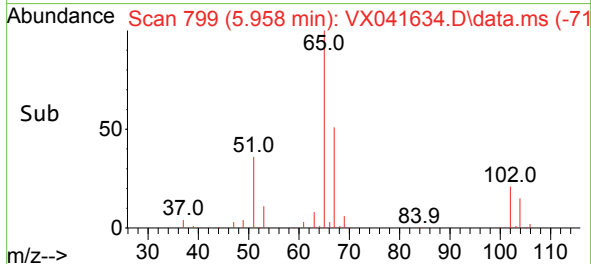
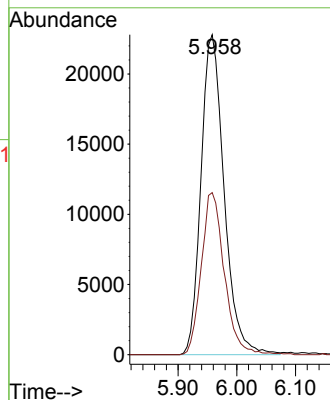
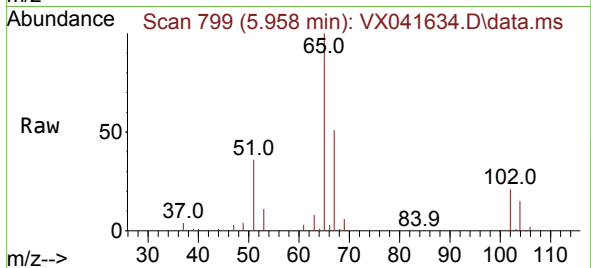
ClientSampleId :

Tgt Ion: 65 Resp: 62394

Ion Ratio Lower Upper

65 100

67 50.2 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX041634.D

Acq: 23 May 2024 17:18

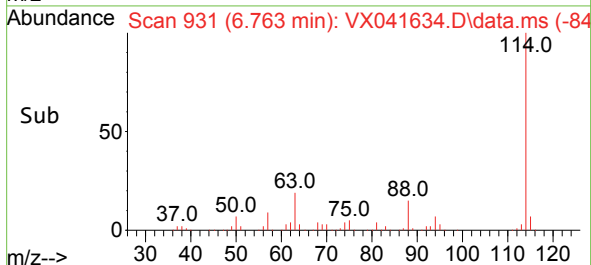
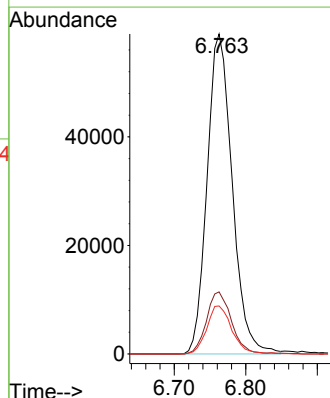
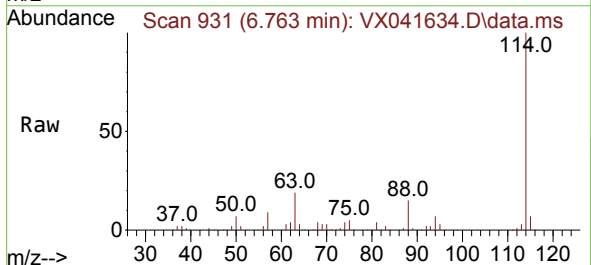
Tgt Ion: 114 Resp: 143988

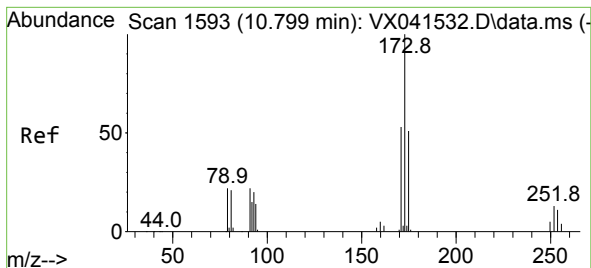
Ion Ratio Lower Upper

114 100

63 19.2 15.4 23.0

88 14.9 12.2 18.2





#56

Bromoform

Concen: 0.209 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.280 min

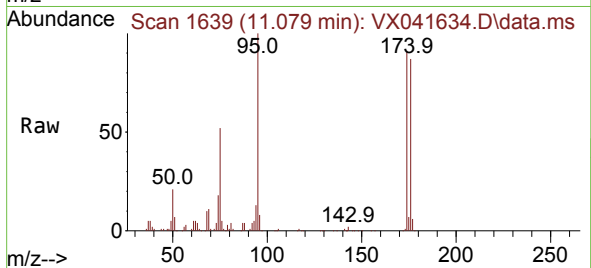
Lab File: VX041634.D

Acq: 23 May 2024 17:18

Instrument :

MSVOA_X

ClientSampleId :



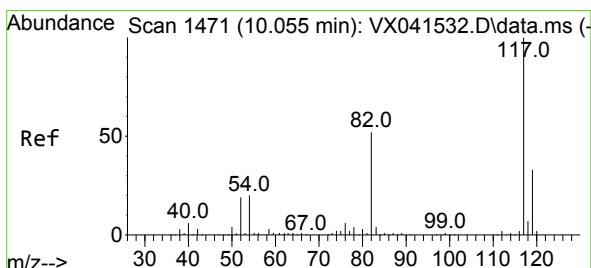
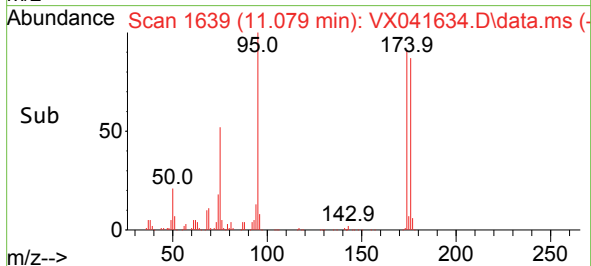
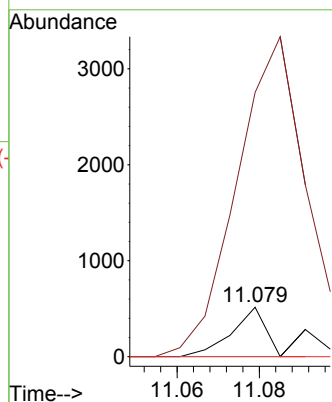
Tgt Ion:173 Resp: 296

Ion Ratio Lower Upper

173 100

175 0.0 39.0 58.6#

254 0.0 10.3 15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041634.D

Acq: 23 May 2024 17:18

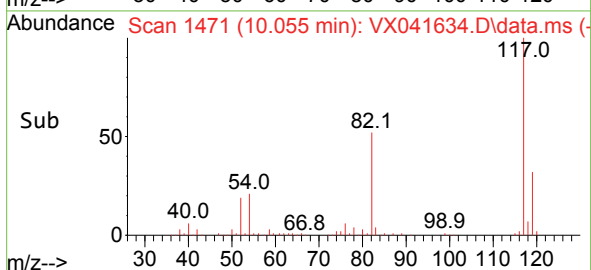
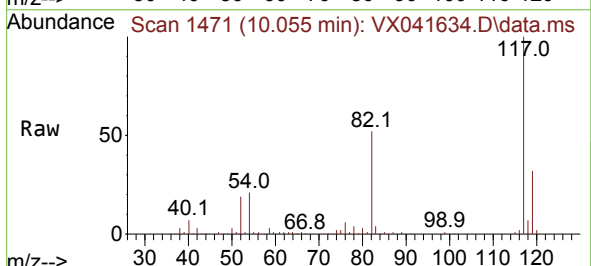
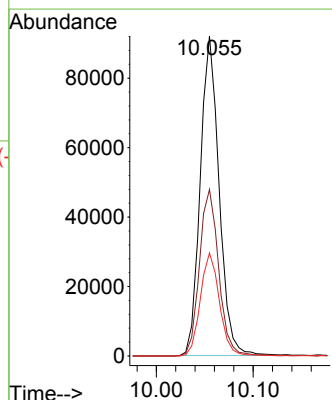
Tgt Ion:117 Resp: 124963

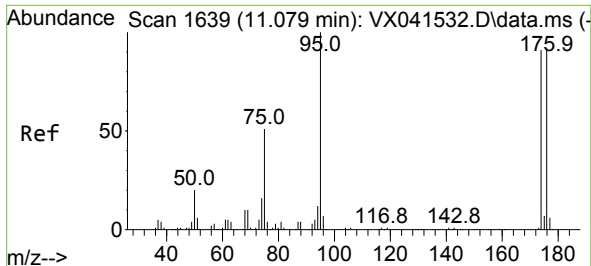
Ion Ratio Lower Upper

117 100

82 53.4 41.7 62.5

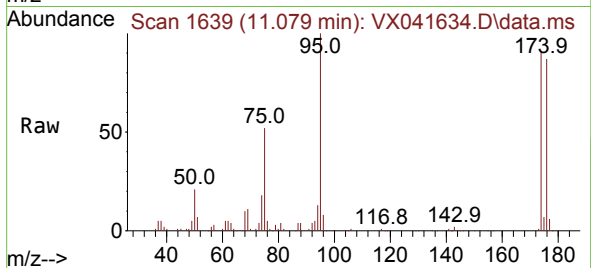
119 32.7 25.7 38.5



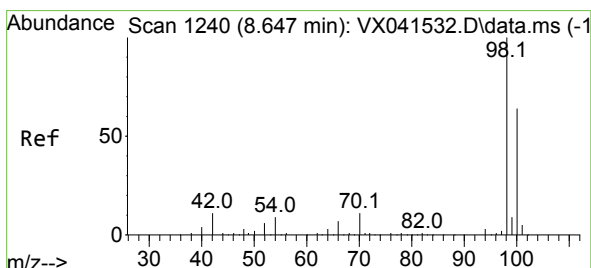
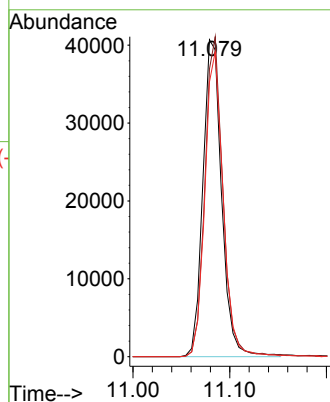
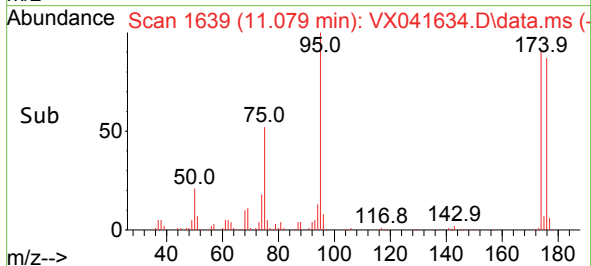


#60
4-Bromofluorobenzene
Concen: 28.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :

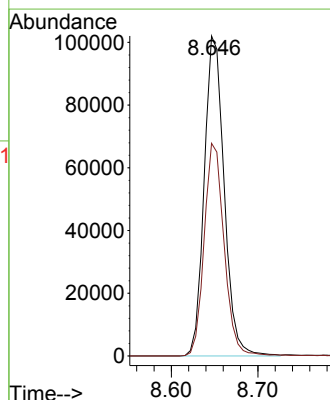
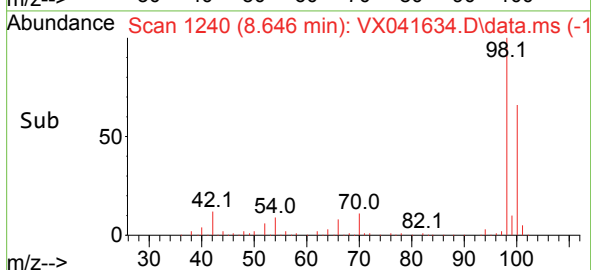
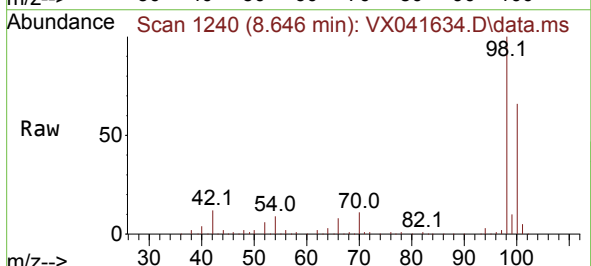


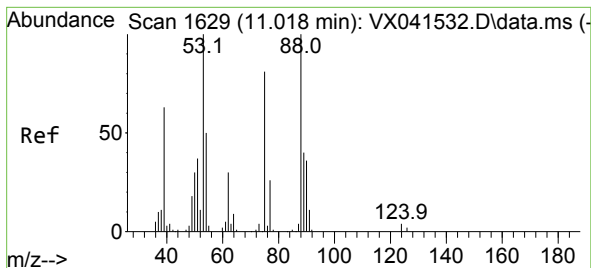
Tgt Ion: 95 Resp: 54930
Ion Ratio Lower Upper
95 100
174 96.5 76.6 115.0
176 93.9 75.4 113.0



#63
Toluene-d8
Concen: 30.473 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Tgt Ion: 98 Resp: 163234
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7

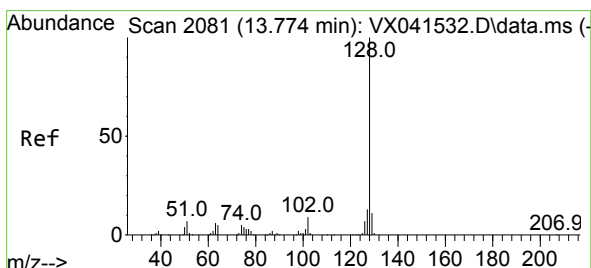
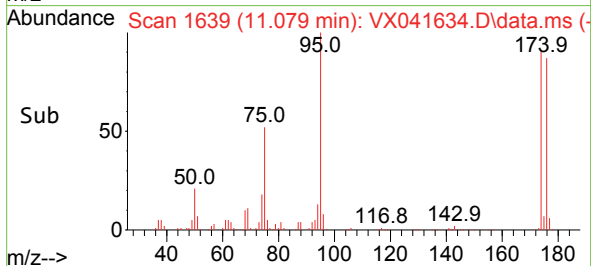
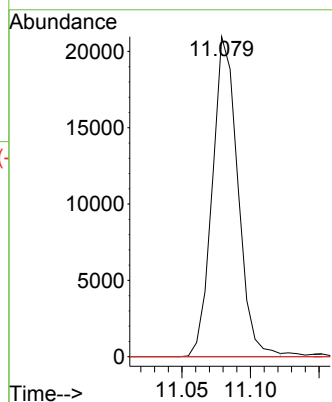
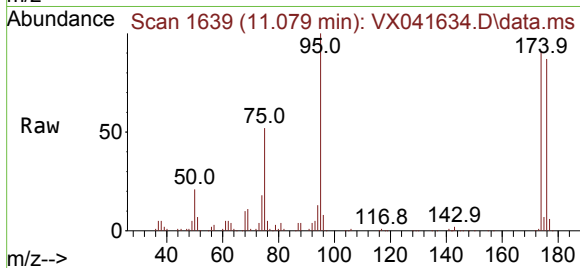




#77
t-1,4-Dichloro-2-butene
Concen: 40.559 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 27123
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#



#91
Naphthalene
Concen: 0.250 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX041634.D
Acq: 23 May 2024 17:18

Tgt Ion:128 Resp: 1851
Ion Ratio Lower Upper
128 100
127 8.0 10.6 16.0#
129 4.2 8.8 13.2#

