

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041558.D
 Acq On : 16 May 2024 13:11
 Operator : JC/MD
 Sample : P2504-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:38:47 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)

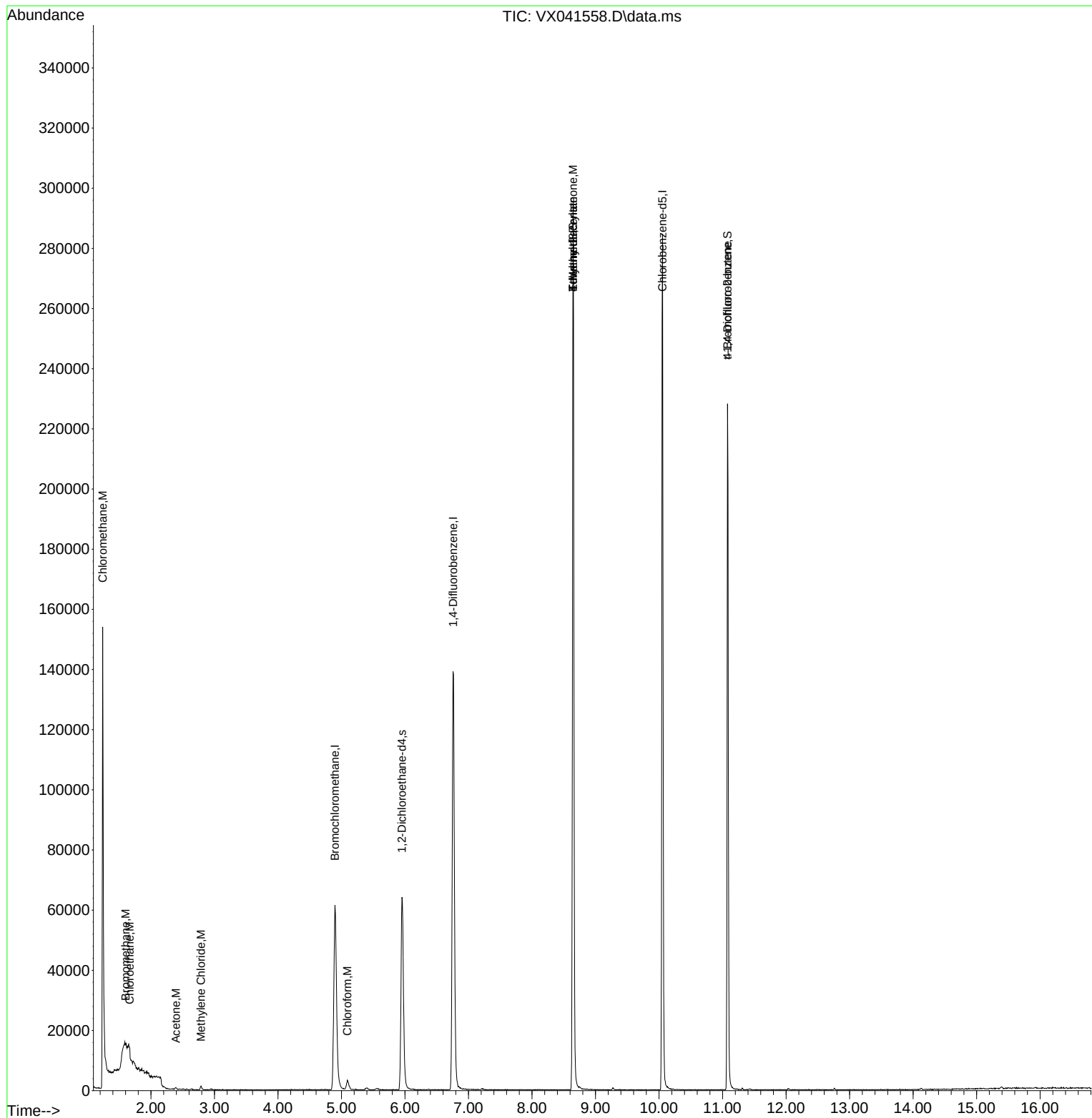
Internal Standards						
1) Bromochloromethane	4.897	128	27820	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	149604	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	134789	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	65216	29.768	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.233%
60) 4-Bromofluorobenzene	11.079	95	57833	27.485	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.633%
63) Toluene-d8	8.647	98	173525	30.033	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2914	1.829	ug/l #	42
5) Bromomethane	1.599	94	250	0.234	ug/l	99
6) Chloroethane	1.666	64	1864	2.198	ug/l #	39
15) Acetone	2.392	58	198	0.784	ug/l #	23
18) Methylene Chloride	2.788	84	624	0.369	ug/l	88
25) Chloroform	5.093	83	3754	1.183	ug/l	90
51) Ethyl methacrylate	8.647	69	578	0.222	ug/l	82
58) 4-Methyl-2-Pentanone	8.647	43	766	0.311	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29158	40.424	ug/l #	1

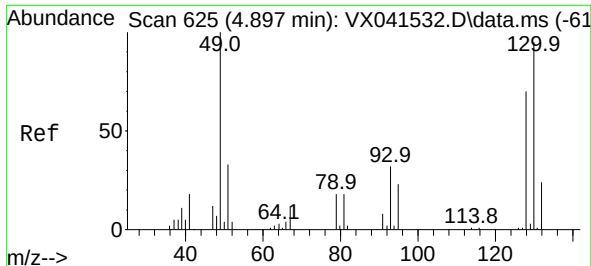
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

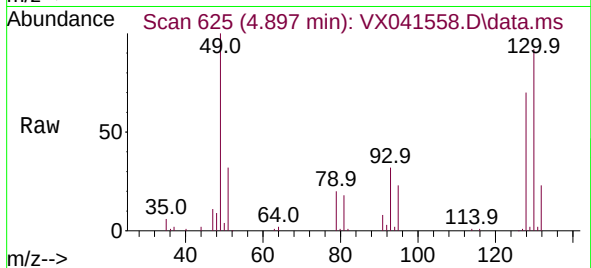
Quant Time: May 17 02:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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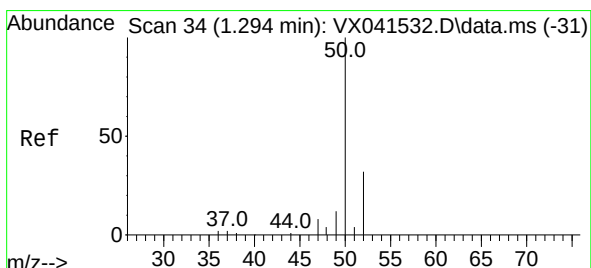
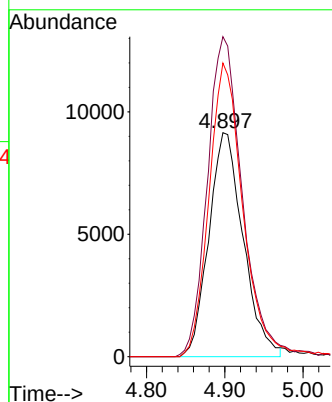
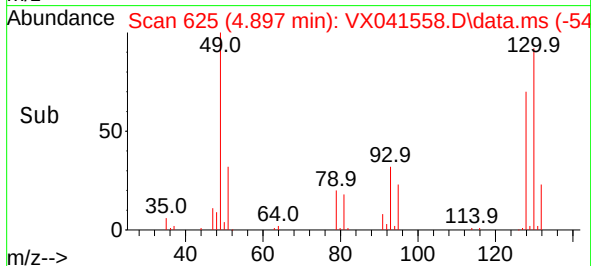


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

Instrument :
MSVOA_X
ClientSampleId :

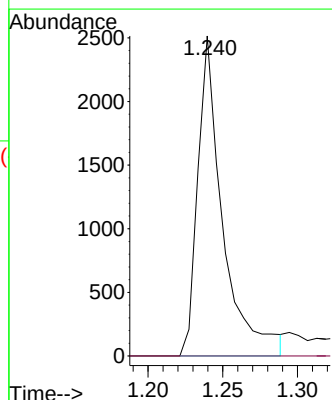
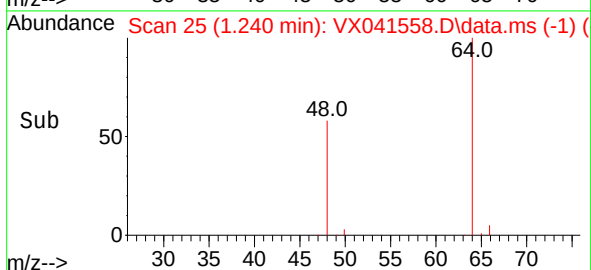
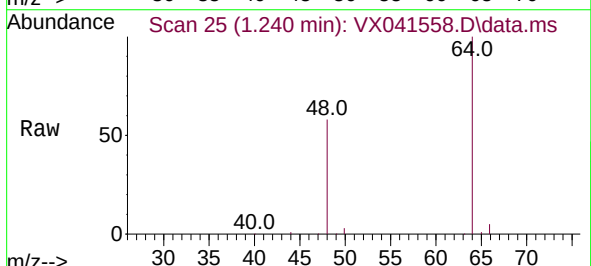


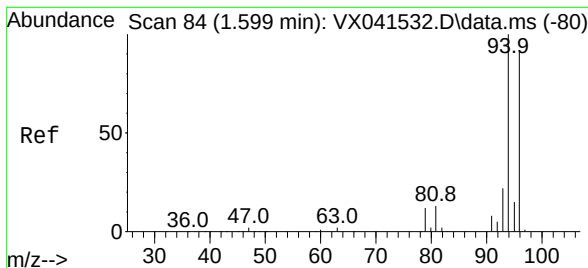
Tgt Ion:128 Resp: 27820
Ion Ratio Lower Upper
128 100
49 145.2 0.0 361.5
130 130.3 0.0 324.3



#3
Chloromethane
Concen: 1.829 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.055 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

Tgt Ion: 50 Resp: 2914
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#5

Bromomethane

Concen: 0.234 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041558.D

Acq: 16 May 2024 13:11

Instrument :

MSVOA_X

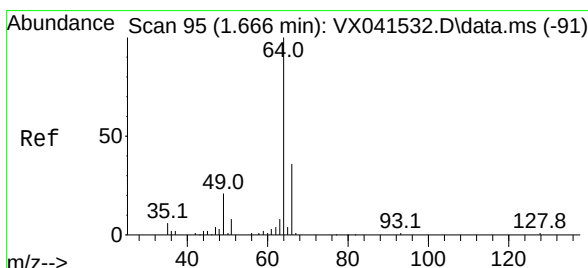
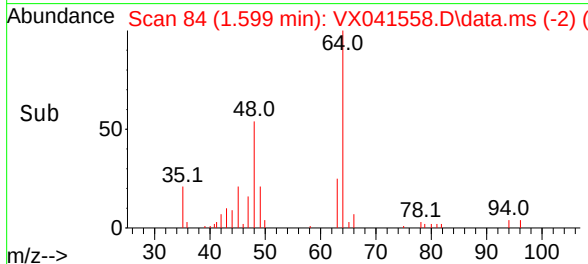
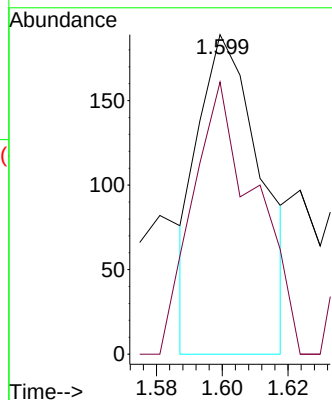
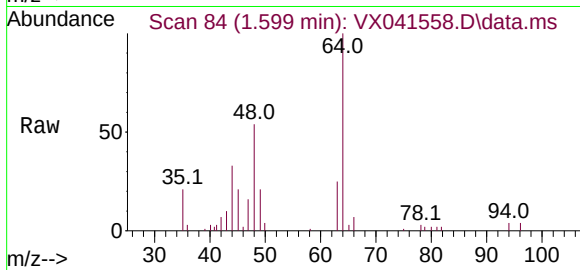
ClientSampleId :

Tgt Ion: 94 Resp: 250

Ion Ratio Lower Upper

94 100

96 91.2 73.9 110.9



#6

Chloroethane

Concen: 2.198 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.000 min

Lab File: VX041558.D

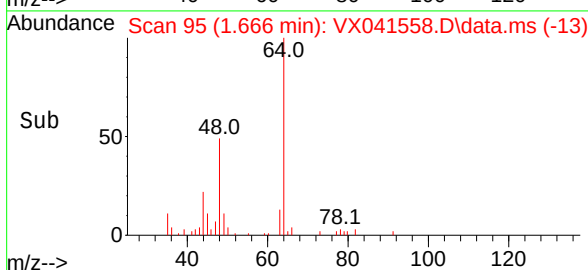
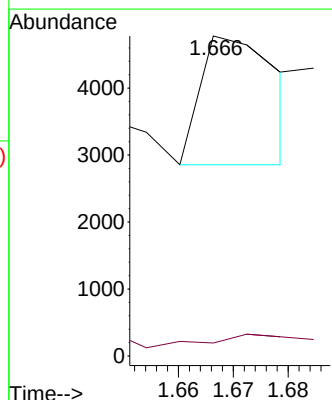
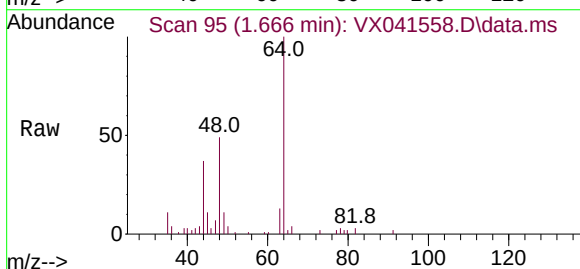
Acq: 16 May 2024 13:11

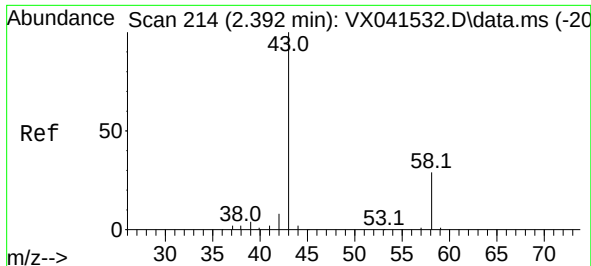
Tgt Ion: 64 Resp: 1864

Ion Ratio Lower Upper

64 100

66 0.0 28.6 42.8#

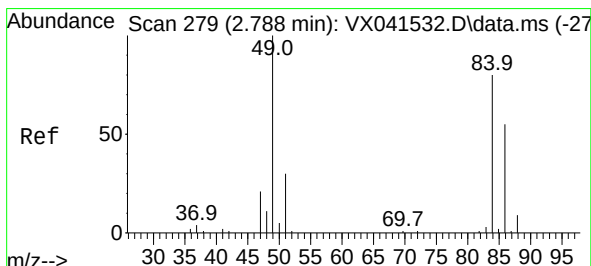
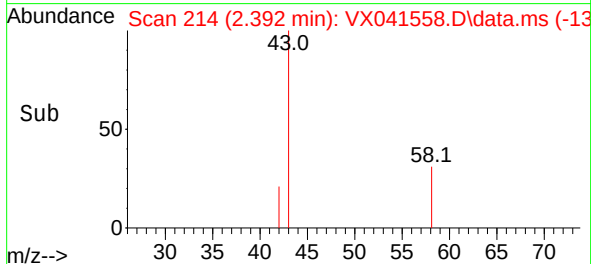
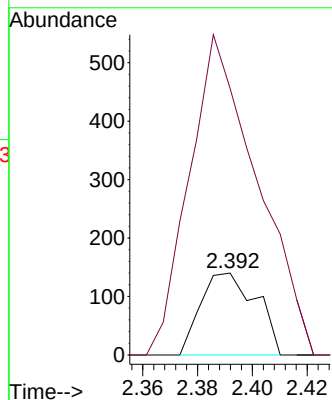
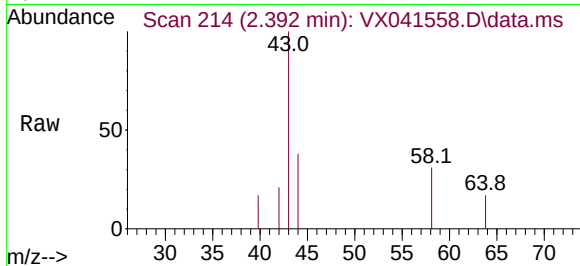




#15
Acetone
Concen: 0.784 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

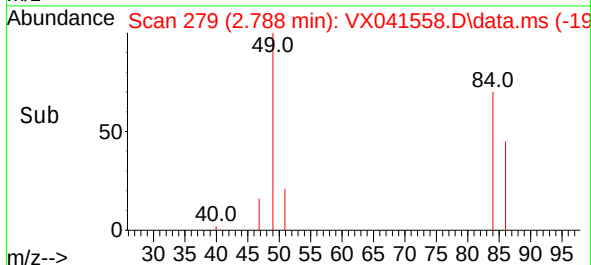
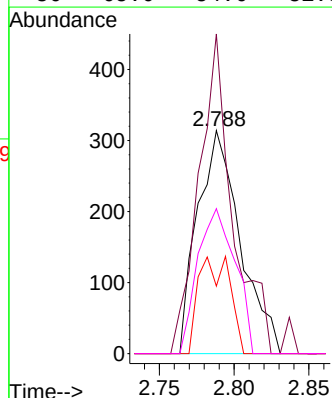
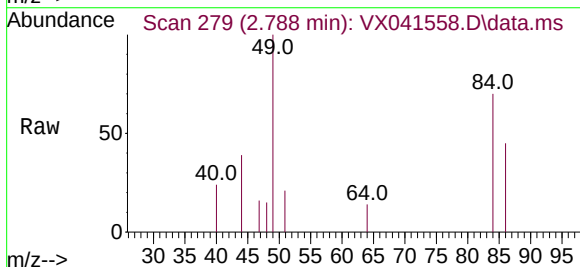
Instrument :
MSVOA_X
ClientSampleId :

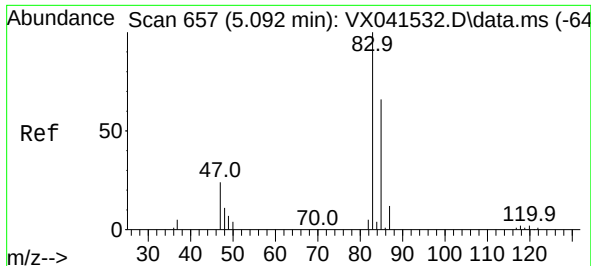
Tgt Ion: 58 Resp: 198
Ion Ratio Lower Upper
58 100
43 177.9 274.0 411.0#



#18
Methylene Chloride
Concen: 0.369 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 143.3 99.8 149.8
51 30.3 30.2 45.4
86 65.0 54.6 81.8





#25

Chloroform

Concen: 1.183 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041558.D

Acq: 16 May 2024 13:11

Instrument :

MSVOA_X

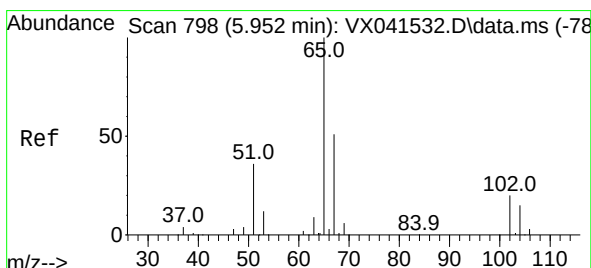
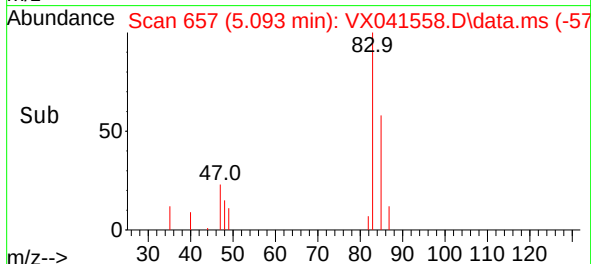
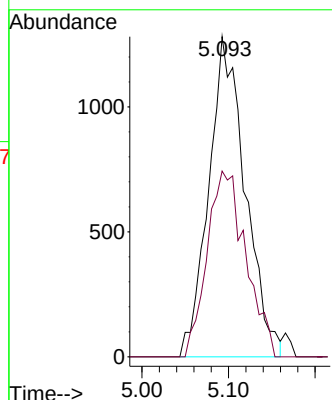
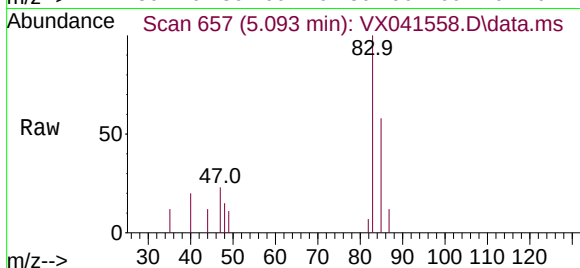
ClientSampleId :

Tgt Ion: 83 Resp: 3754

Ion Ratio Lower Upper

83 100

85 58.0 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 29.768 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041558.D

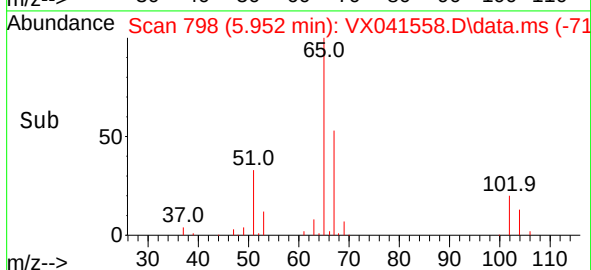
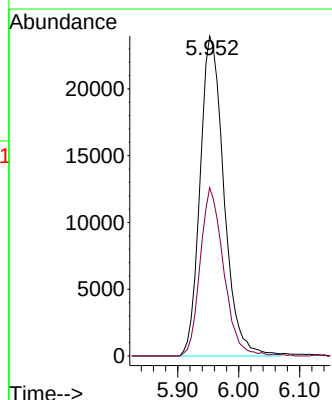
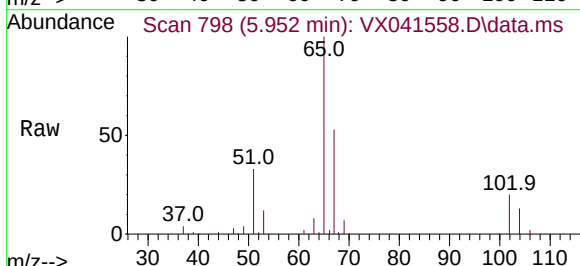
Acq: 16 May 2024 13:11

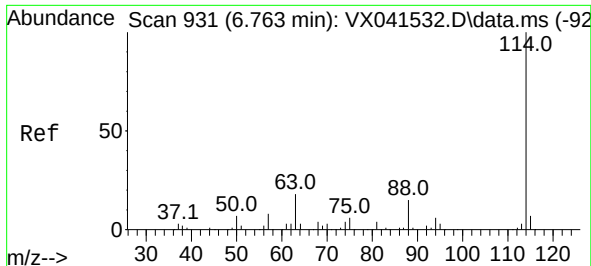
Tgt Ion: 65 Resp: 65216

Ion Ratio Lower Upper

65 100

67 51.5 40.8 61.2

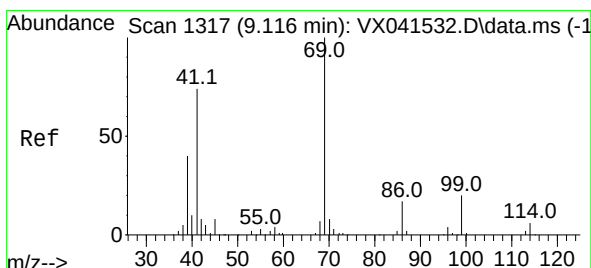
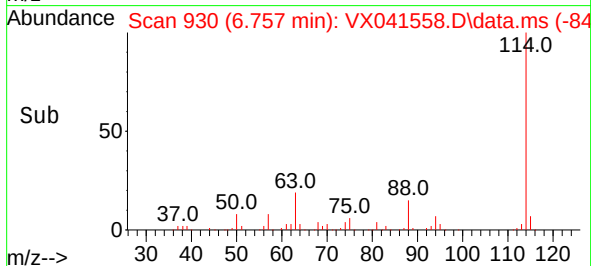
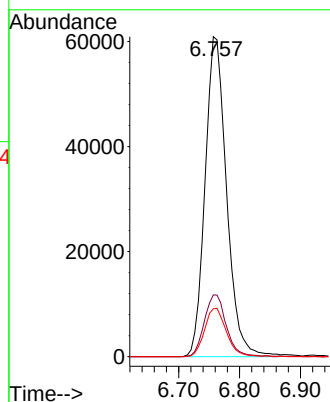
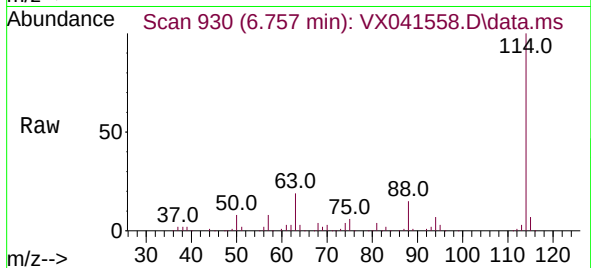




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

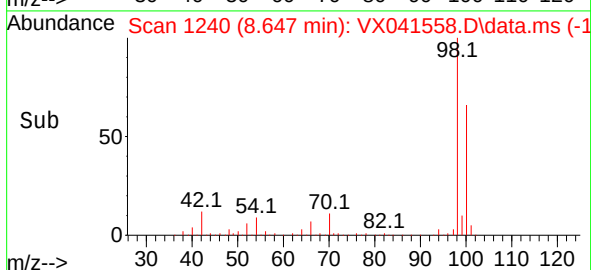
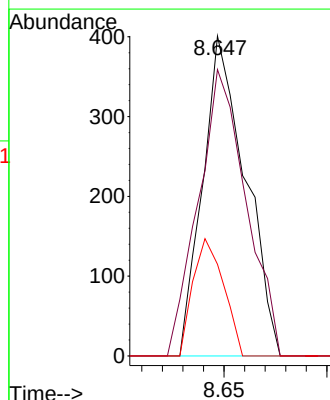
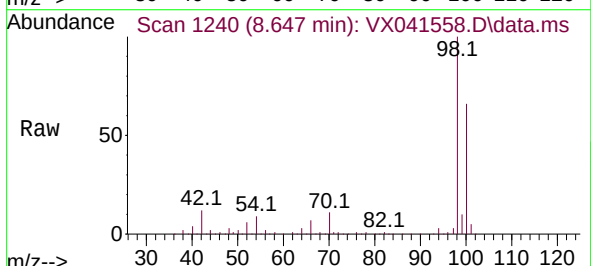
Instrument :
MSVOA_X
ClientSampleId :

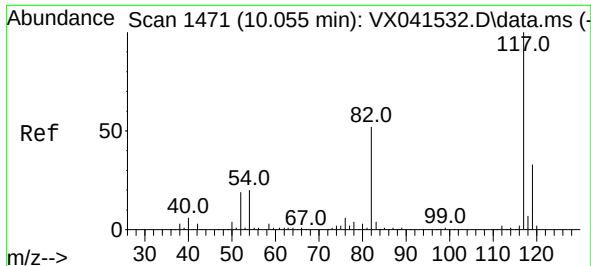
Tgt Ion:114 Resp: 149604
Ion Ratio Lower Upper
114 100
63 19.6 15.4 23.0
88 15.2 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.469 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

Tgt Ion: 69 Resp: 578
Ion Ratio Lower Upper
69 100
41 89.5 37.1 111.3
39 28.7 20.2 60.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041558.D

Acq: 16 May 2024 13:11

Instrument :

MSVOA_X

ClientSampleId :

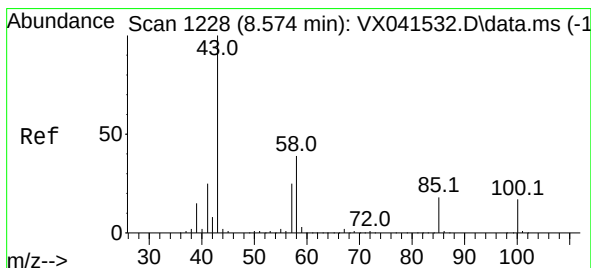
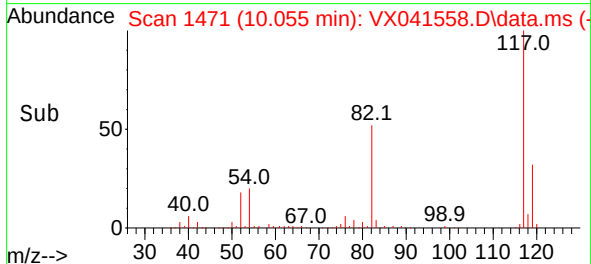
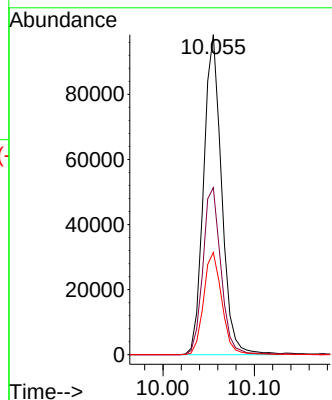
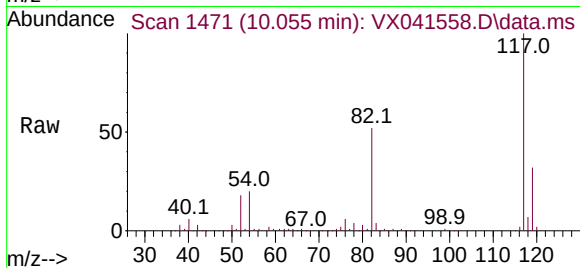
Tgt Ion:117 Resp: 134789

Ion Ratio Lower Upper

117 100

82 52.6 41.7 62.5

119 32.1 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.311 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041558.D

Acq: 16 May 2024 13:11

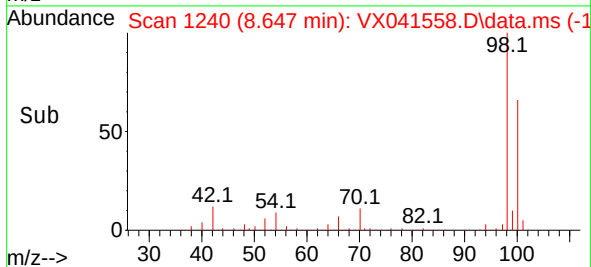
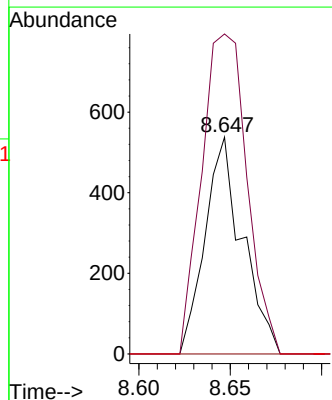
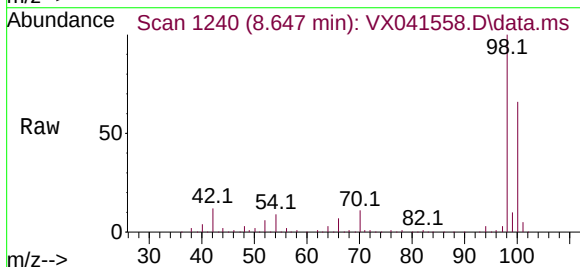
Tgt Ion: 43 Resp: 766

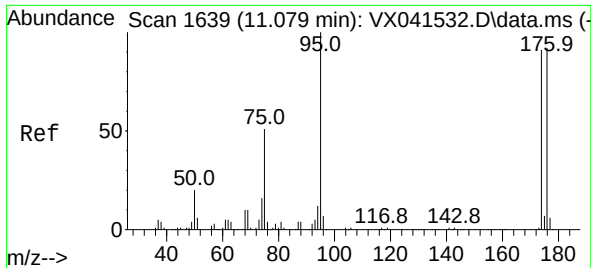
Ion Ratio Lower Upper

43 100

58 179.1 30.2 45.4#

85 0.0 14.6 21.8#

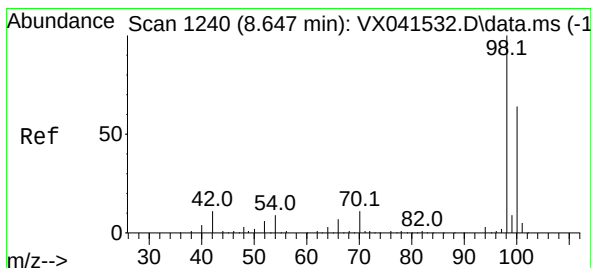
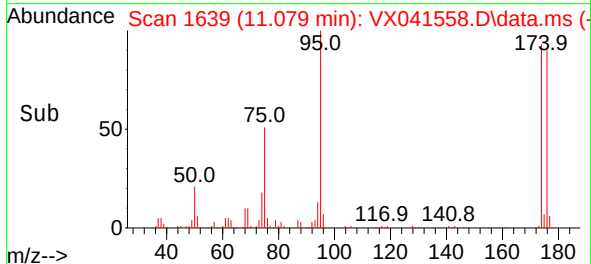
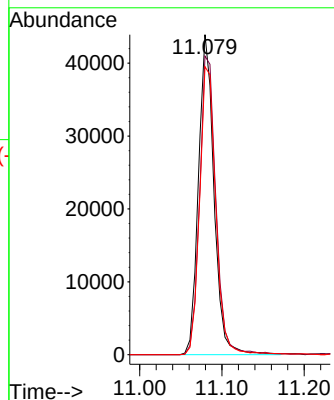
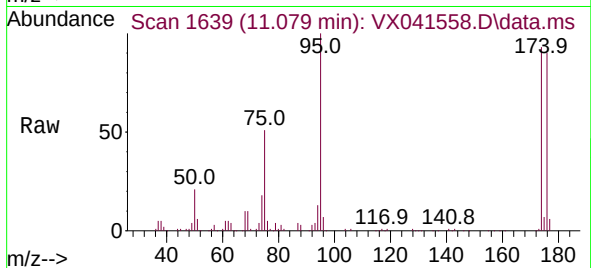




#60
4-Bromofluorobenzene
Concen: 27.485 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

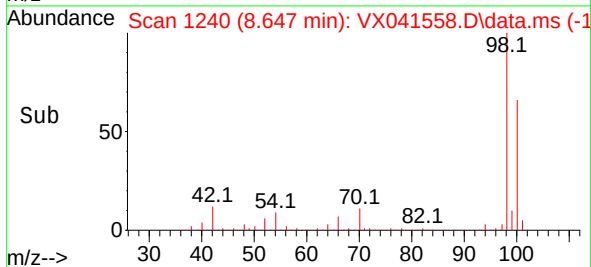
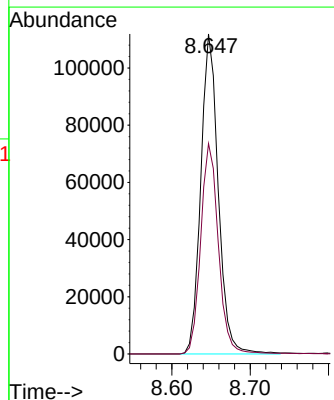
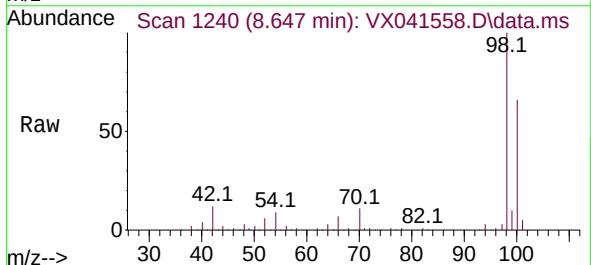
Instrument :
MSVOA_X
ClientSampleId :

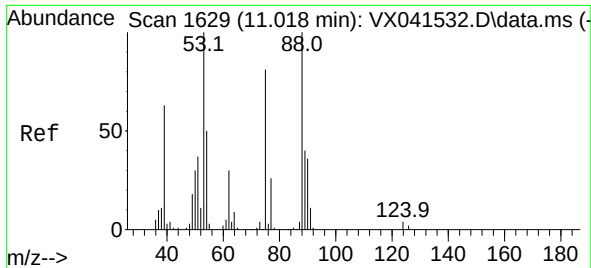
Tgt Ion: 95 Resp: 57833
Ion Ratio Lower Upper
95 100
174 97.4 76.6 115.0
176 92.9 75.4 113.0



#63
Toluene-d8
Concen: 30.033 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

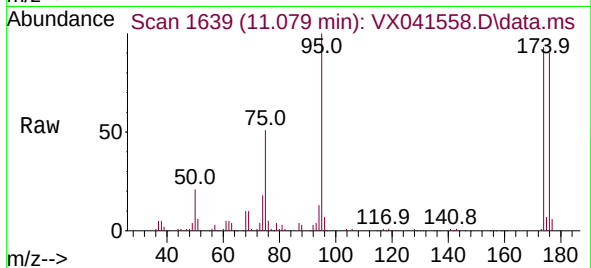
Tgt Ion: 98 Resp: 173525
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 40.424 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041558.D
Acq: 16 May 2024 13:11

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	29158
Ion Ratio	Lower	Upper	
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

