

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041556.D
 Acq On : 16 May 2024 12:25
 Operator : JC/MD
 Sample : P2503-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:38:15 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)

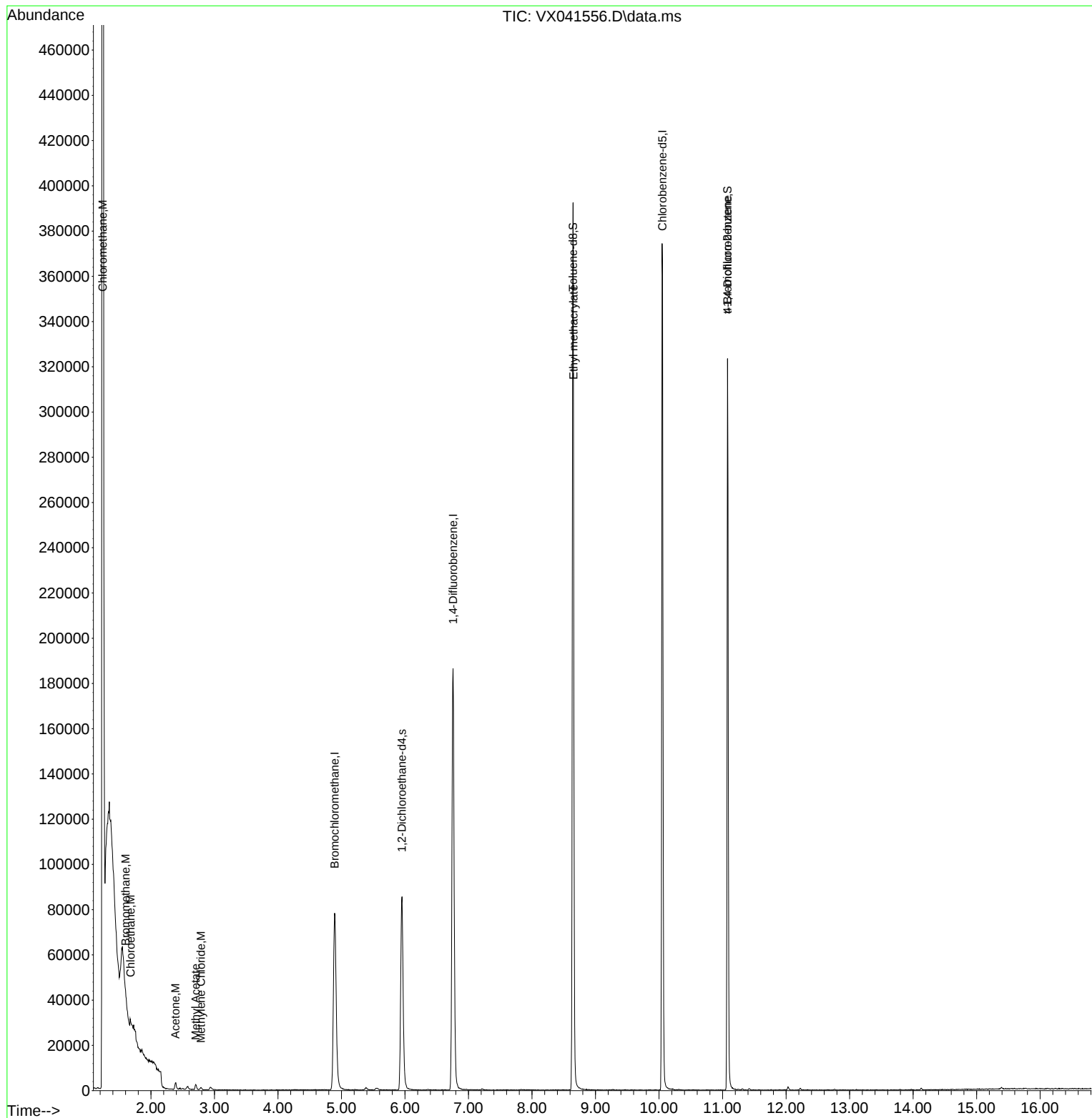
Internal Standards						
1) Bromochloromethane	4.891	128	36193	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	199904	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	182222	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	84428	29.622	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.733%		
60) 4-Bromofluorobenzene	11.079	95	79557	27.968	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.233%		
63) Toluene-d8	8.647	98	232386	29.751	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.167%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	62923	30.354	ug/l #	43
5) Bromomethane	1.599	94	528	0.380	ug/l	94
6) Chloroethane	1.678	64	13432	12.173	ug/l #	45
12) Methyl Acetate	2.703	43	2919	1.047	ug/l	98
15) Acetone	2.386	58	879	2.676	ug/l	91
18) Methylene Chloride	2.788	84	525	0.238	ug/l	93
51) Ethyl methacrylate	8.653	69	731	0.210	ug/l	92
77) t-1,4-Dichloro-2-butene	11.079	75	40719	41.757	ug/l #	1

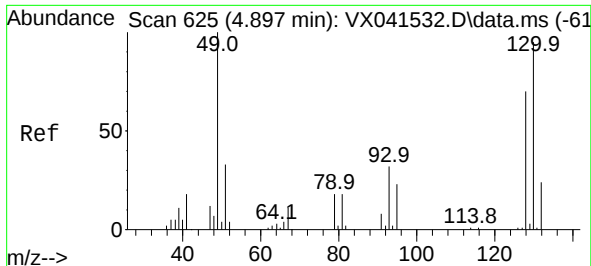
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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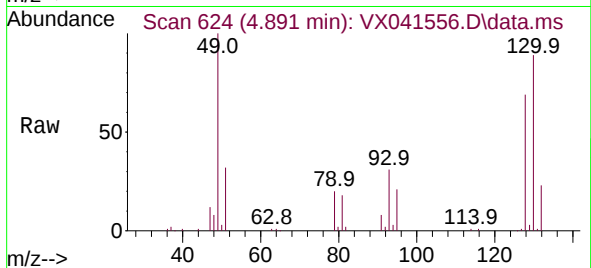
Quant Time: May 17 02:38:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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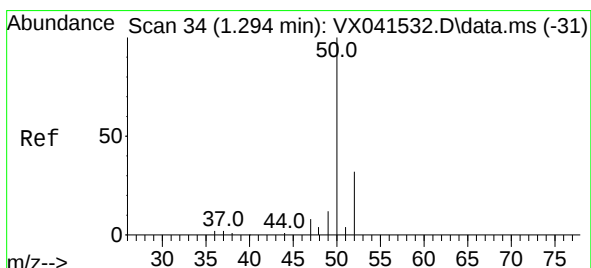
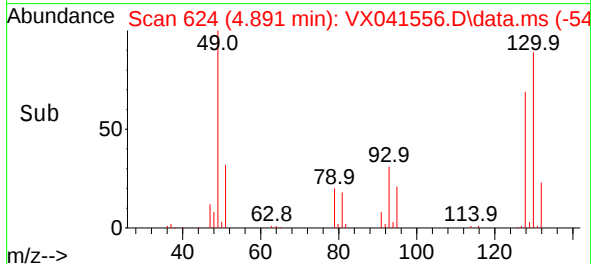
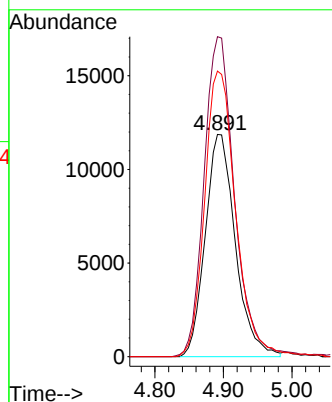


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

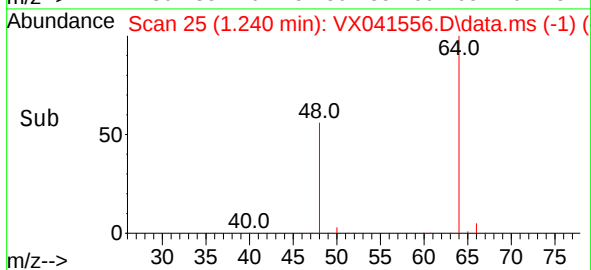
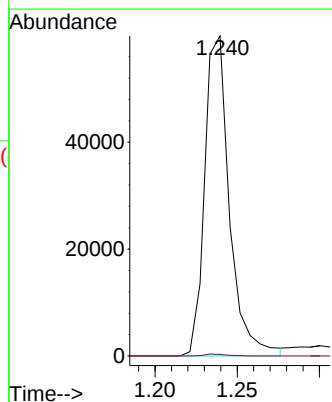
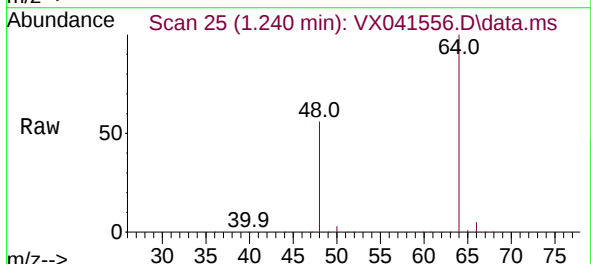


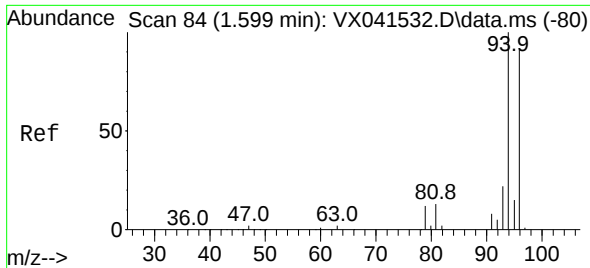
Tgt Ion:128 Resp: 36193
Ion Ratio Lower Upper
128 100
49 146.2 0.0 361.5
130 132.5 0.0 324.3



#3
Chloromethane
Concen: 30.354 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.055 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

Tgt Ion: 50 Resp: 62923
Ion Ratio Lower Upper
50 100
52 0.5 25.8 38.8#

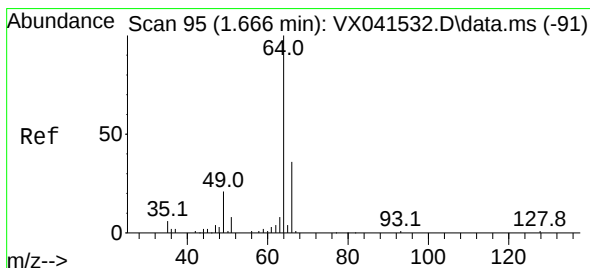
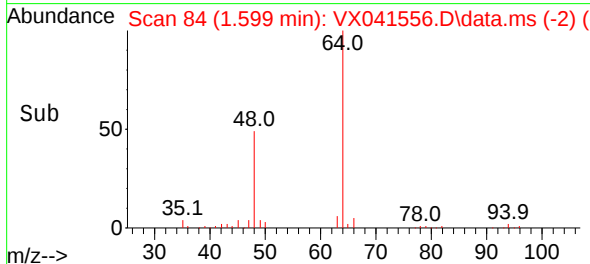
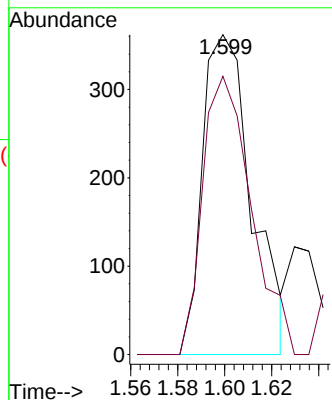
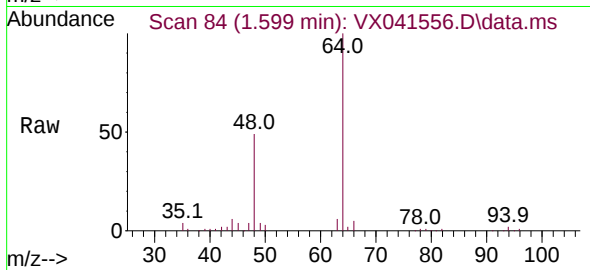




#5
Bromomethane
Concen: 0.380 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

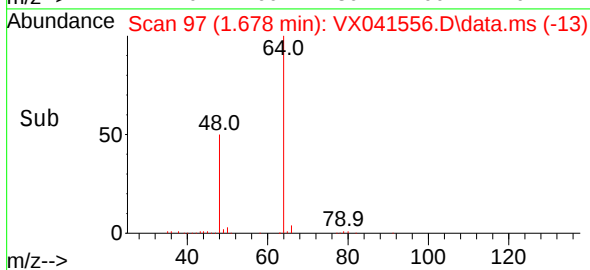
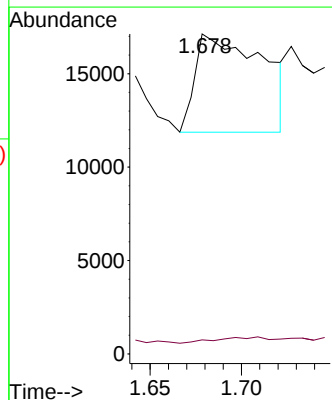
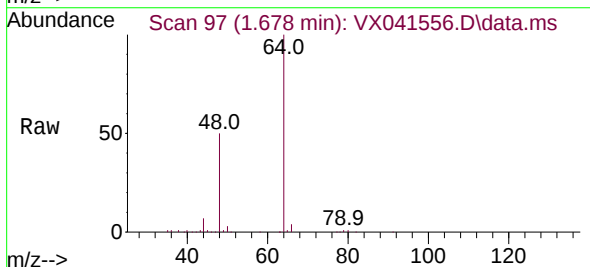
Instrument :
MSVOA_X
ClientSampleId :

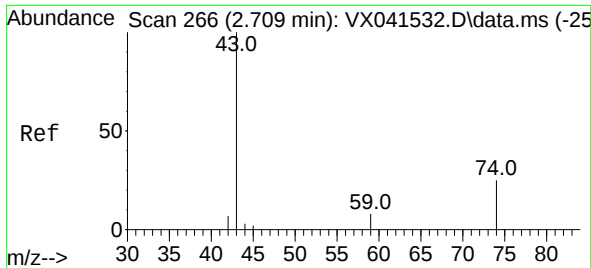
Tgt Ion: 94 Resp: 528
Ion Ratio Lower Upper
94 100
96 87.0 73.9 110.9



#6
Chloroethane
Concen: 12.173 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

Tgt Ion: 64 Resp: 13432
Ion Ratio Lower Upper
64 100
66 3.5 28.6 42.8#





#12

Methyl Acetate

Concen: 1.047 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX041556.D

Acq: 16 May 2024 12:25

Instrument :

MSVOA_X

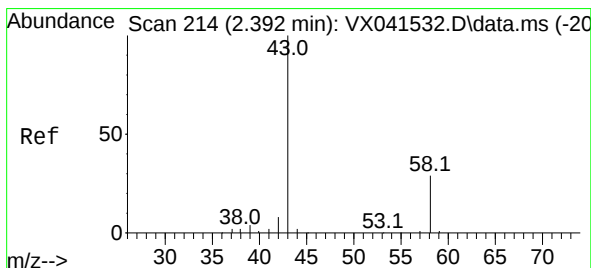
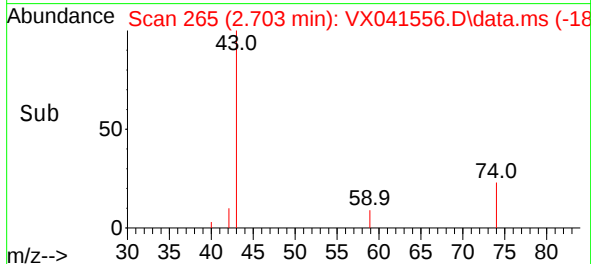
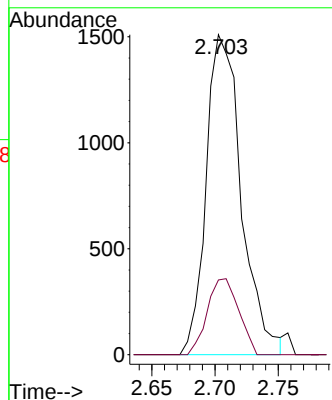
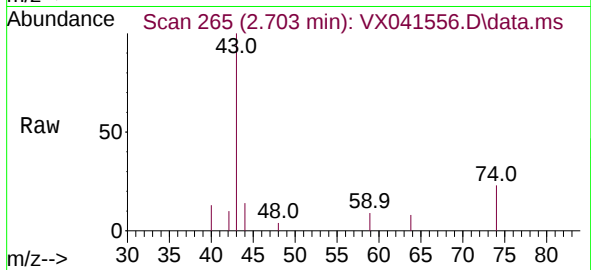
ClientSampleId :

Tgt Ion: 43 Resp: 2919

Ion Ratio Lower Upper

43 100

74 24.0 19.9 29.9



#15

Acetone

Concen: 2.676 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041556.D

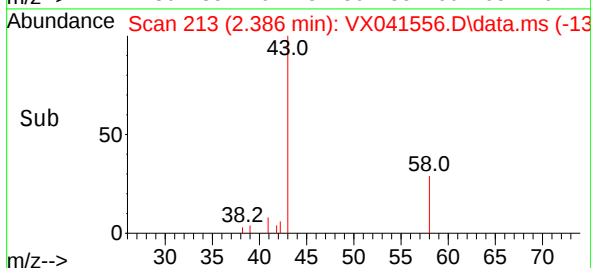
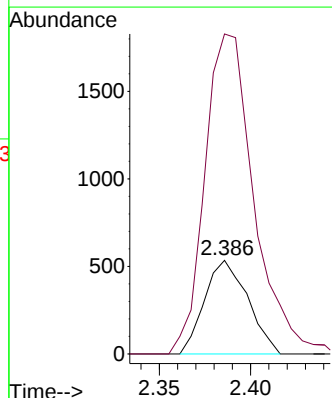
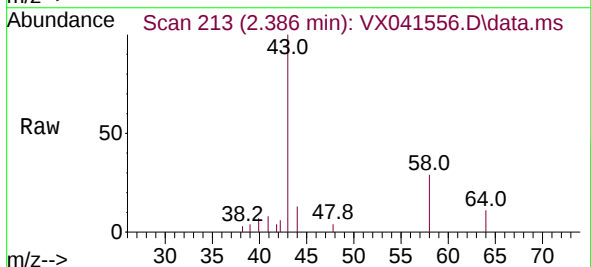
Acq: 16 May 2024 12:25

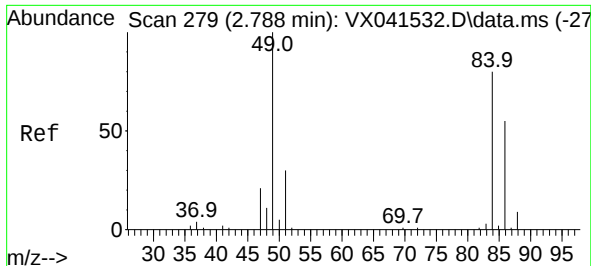
Tgt Ion: 58 Resp: 879

Ion Ratio Lower Upper

58 100

43 323.0 274.0 411.0





#18

Methylene Chloride

Concen: 0.238 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

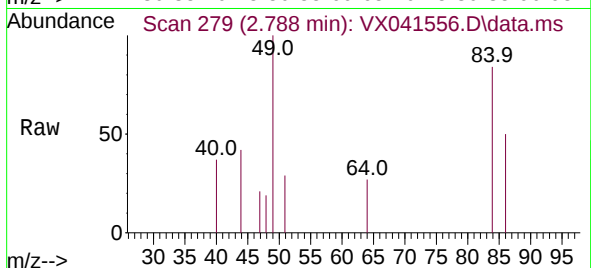
Lab File: VX041556.D

Acq: 16 May 2024 12:25

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 525

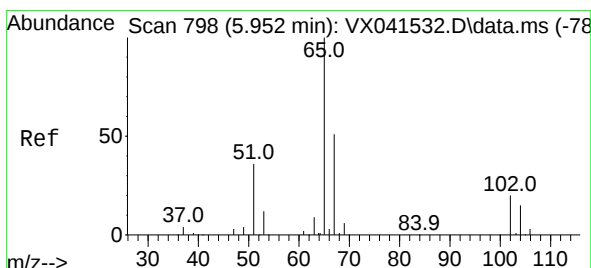
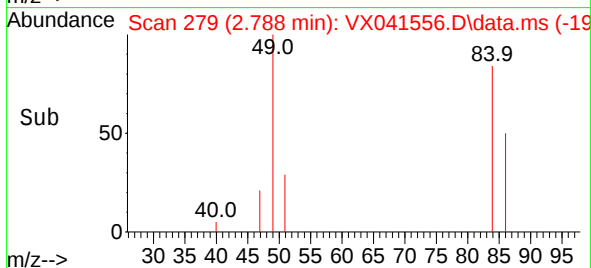
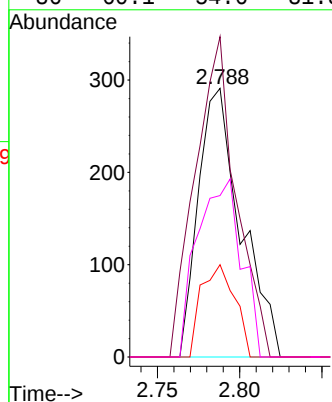
Ion Ratio Lower Upper

84 100

49 119.2 99.8 149.8

51 34.4 30.2 45.4

86 60.1 54.6 81.8



#27

1,2-Dichloroethane-d4

Concen: 29.622 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041556.D

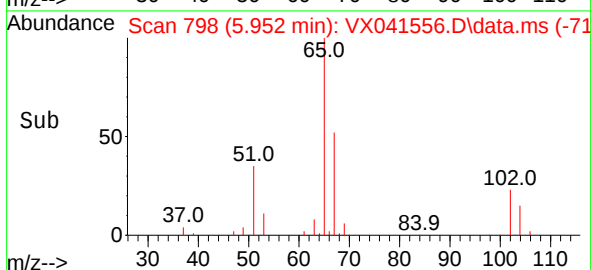
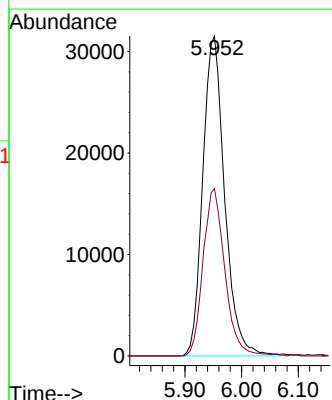
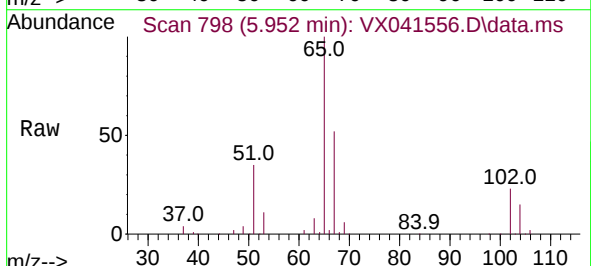
Acq: 16 May 2024 12:25

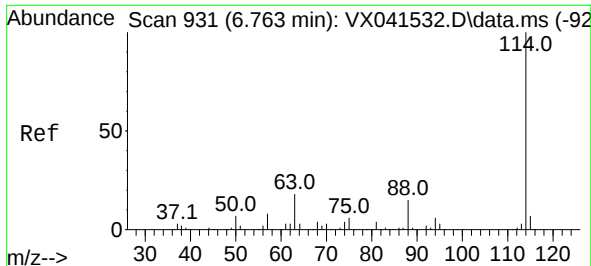
Tgt Ion: 65 Resp: 84428

Ion Ratio Lower Upper

65 100

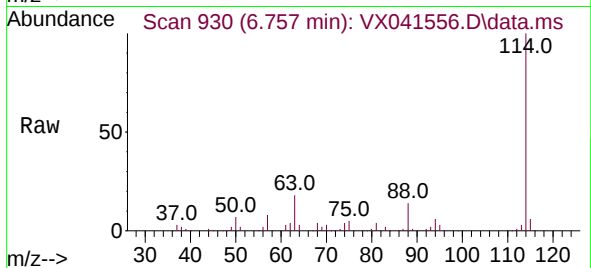
67 52.0 40.8 61.2



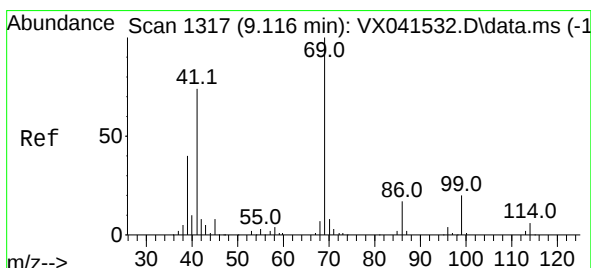
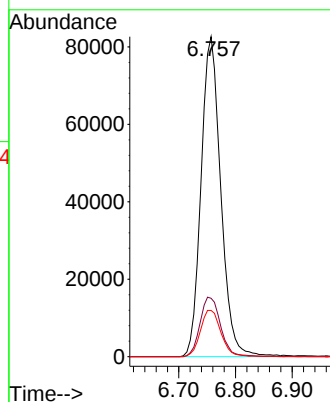
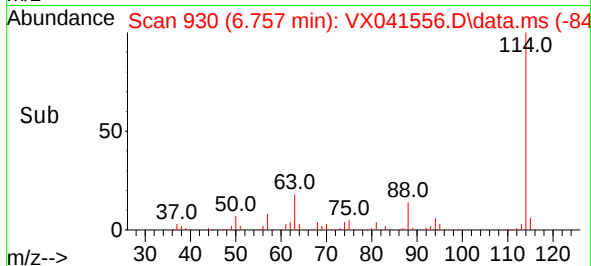


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

Instrument :
MSVOA_X
ClientSampleId :

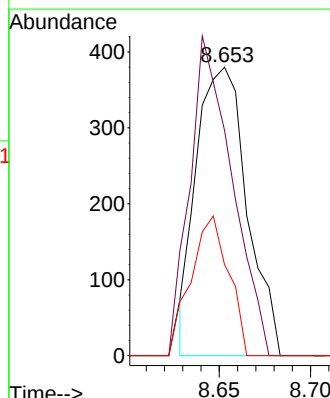
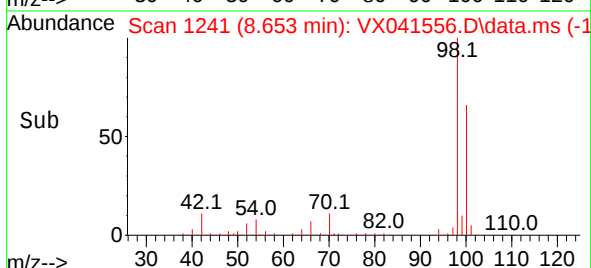
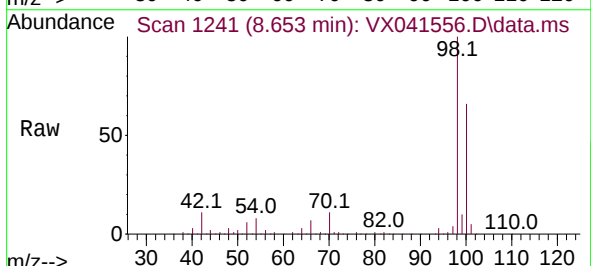


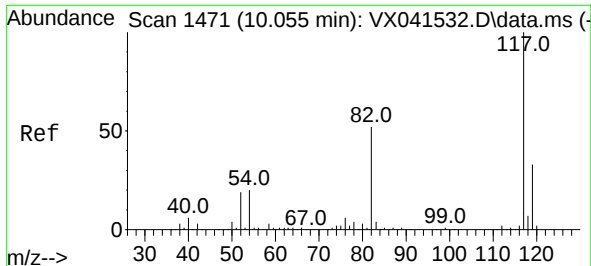
Tgt Ion:114 Resp: 199904
Ion Ratio Lower Upper
114 100
63 19.3 15.4 23.0
88 15.0 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.210 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041556.D
Acq: 16 May 2024 12:25

Tgt Ion: 69 Resp: 731
Ion Ratio Lower Upper
69 100
41 78.2 37.1 111.3
39 31.6 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: VX041556.D

Acq: 16 May 2024 12:25

Instrument :

MSVOA_X

ClientSampleId :

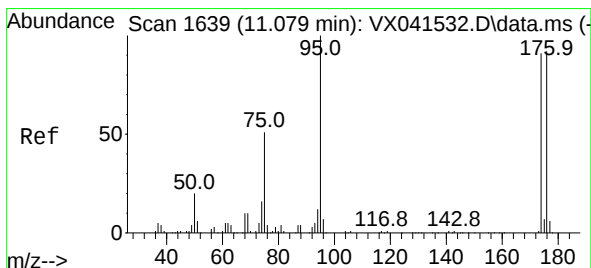
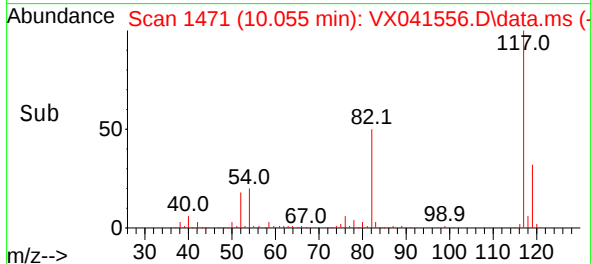
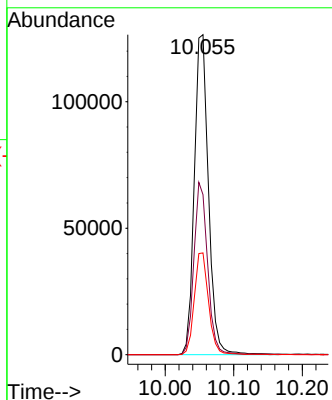
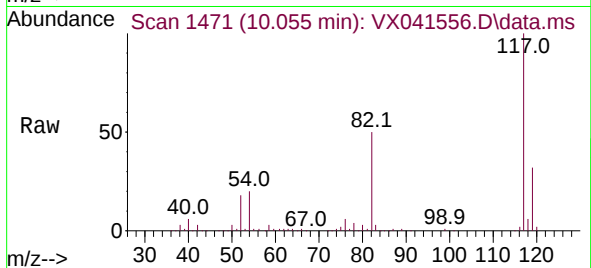
Tgt Ion:117 Resp: 182222

Ion Ratio Lower Upper

117 100

82 52.2 41.7 62.5

119 31.9 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 27.968 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041556.D

Acq: 16 May 2024 12:25

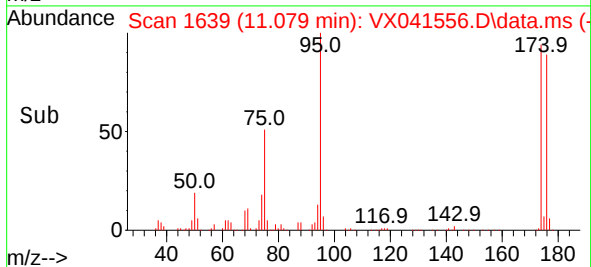
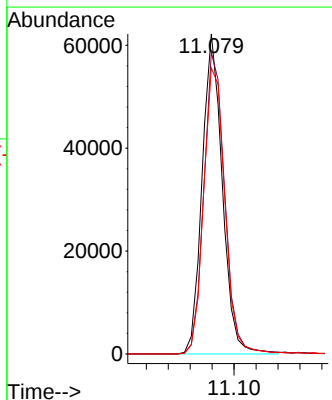
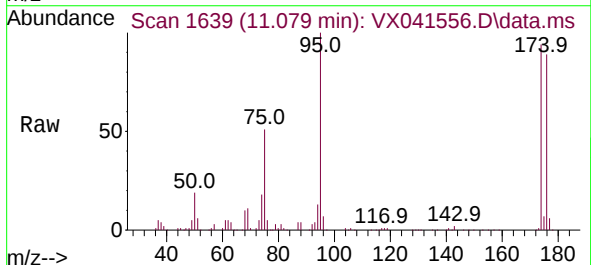
Tgt Ion: 95 Resp: 79557

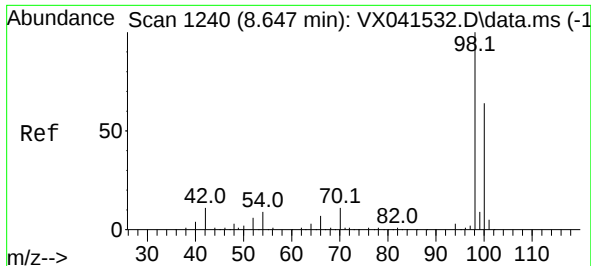
Ion Ratio Lower Upper

95 100

174 97.8 76.6 115.0

176 93.8 75.4 113.0





#63

Toluene-d8

Concen: 29.751 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041556.D

Acq: 16 May 2024 12:25

Instrument :

MSVOA_X

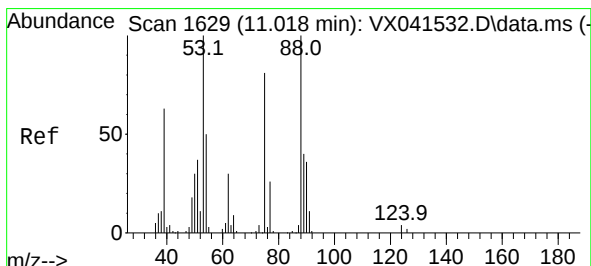
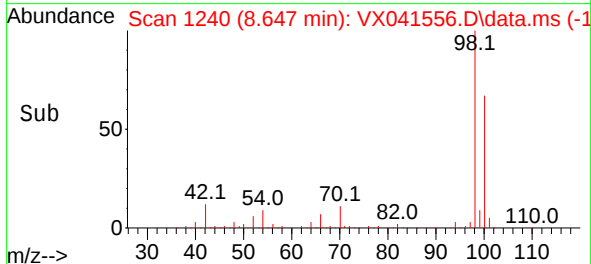
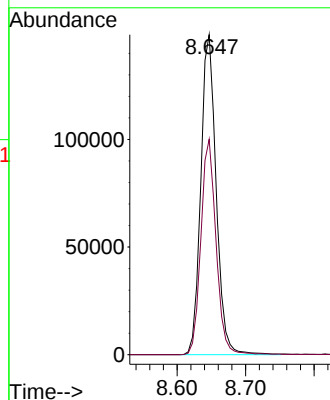
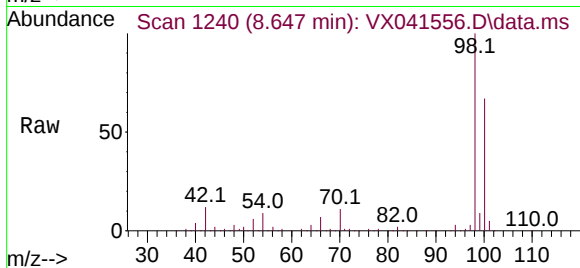
ClientSampleId :

Tgt Ion: 98 Resp: 232386

Ion Ratio Lower Upper

98 100

100 66.2 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 41.757 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041556.D

Acq: 16 May 2024 12:25

Tgt Ion: 75 Resp: 40719

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

