

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041557.D
 Acq On : 16 May 2024 12:48
 Operator : JC/MD
 Sample : P2504-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:38:31 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)

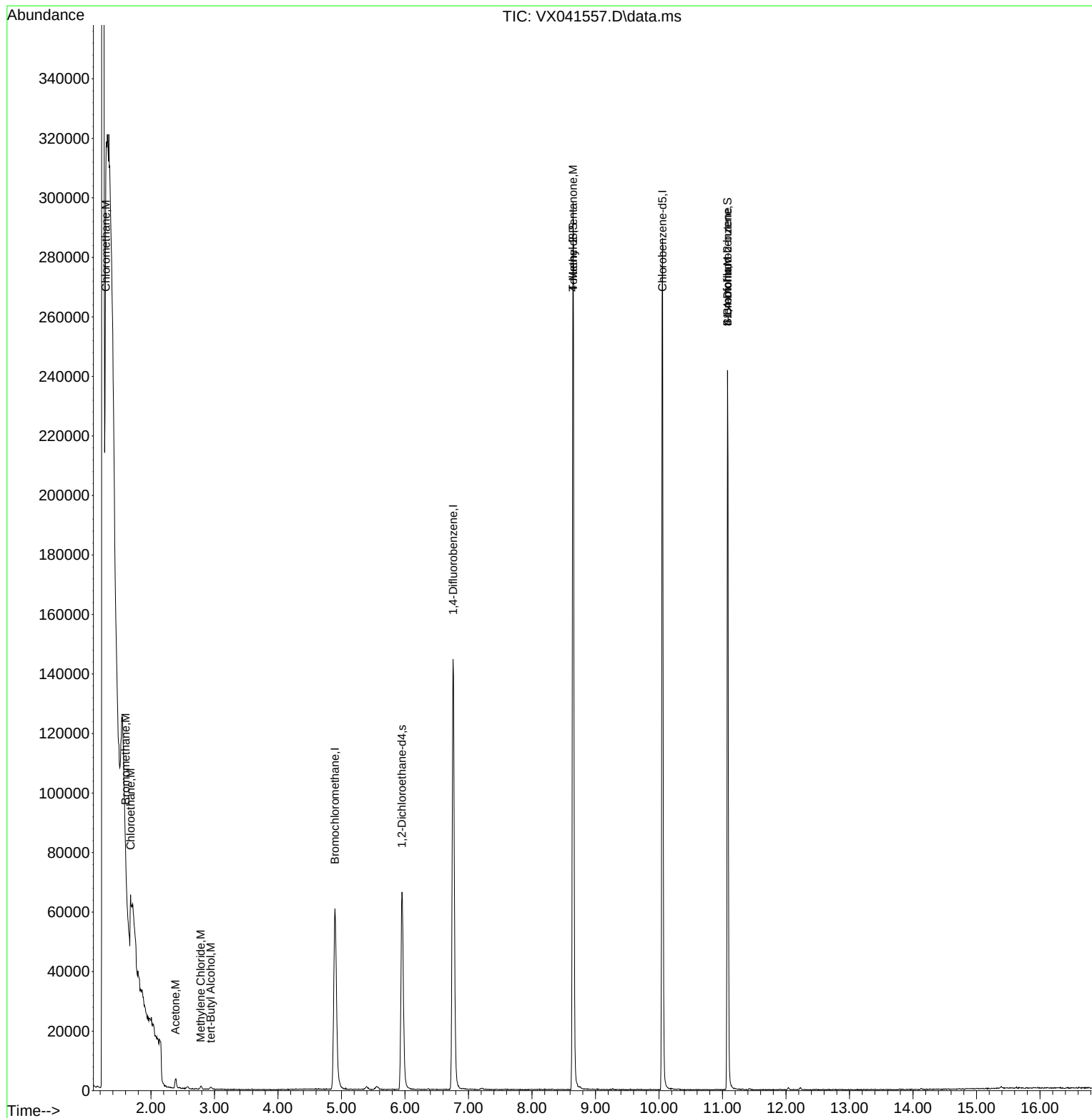
Internal Standards						
1) Bromochloromethane	4.898	128	28382	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	152825	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138184	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66216	29.626	ug/l	0.00
Spiked Amount 30.000	Range	91 - 110	Recovery	=	98.767%	
60) 4-Bromofluorobenzene	11.079	95	60285	27.947	ug/l	0.00
Spiked Amount 30.000	Range	63 - 112	Recovery	=	93.167%	
63) Toluene-d8	8.647	98	178368	30.112	ug/l	0.00
Spiked Amount 30.000	Range	91 - 112	Recovery	=	100.367%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	1891	1.163	ug/l #	48
5) Bromomethane	1.599	94	433	0.398	ug/l	100
6) Chloroethane	1.679	64	15800	18.259	ug/l #	47
15) Acetone	2.386	58	1088	4.223	ug/l	96
18) Methylene Chloride	2.782	84	417	0.241	ug/l #	75
23) tert-Butyl Alcohol	2.941	59	506	1.240	ug/l #	100
56) Bromoform	11.079	173	319	0.212	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	752	0.298	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	29976	40.537	ug/l #	1

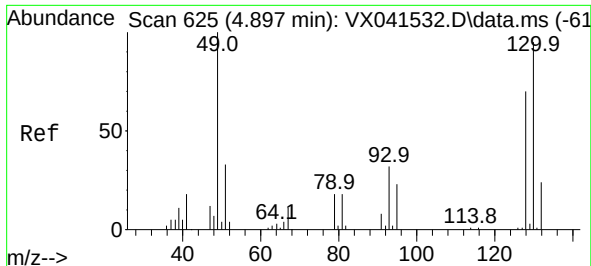
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

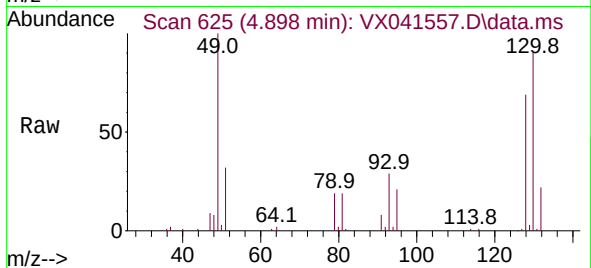
Quant Time: May 17 02:38:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



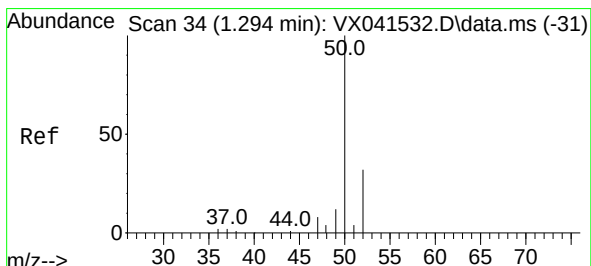
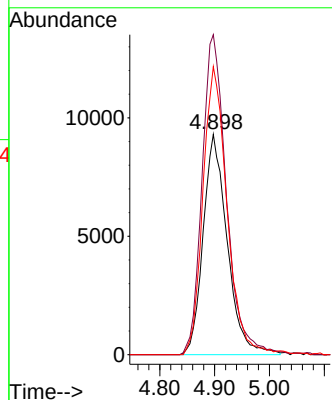
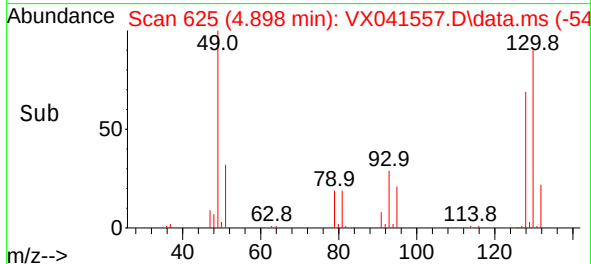


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

Instrument :
MSVOA_X
ClientSampleId :

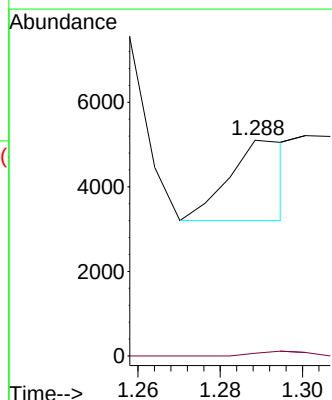
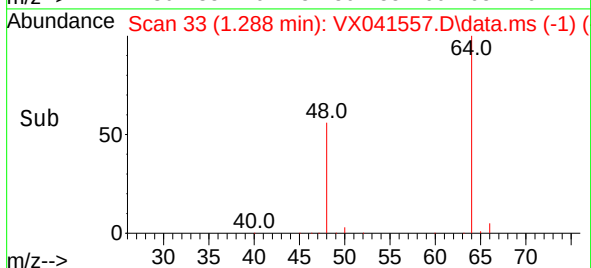
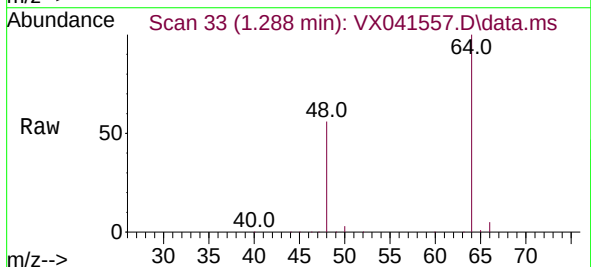


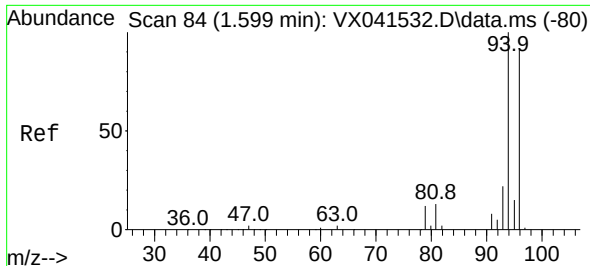
Tgt Ion:128 Resp: 28382
Ion Ratio Lower Upper
128 100
49 146.7 0.0 361.5
130 130.3 0.0 324.3



#3
Chloromethane
Concen: 1.163 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

Tgt Ion: 50 Resp: 1891
Ion Ratio Lower Upper
50 100
52 3.3 25.8 38.8#

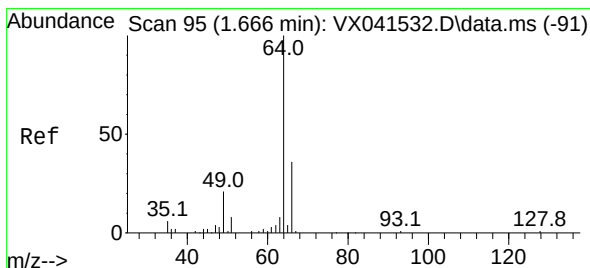
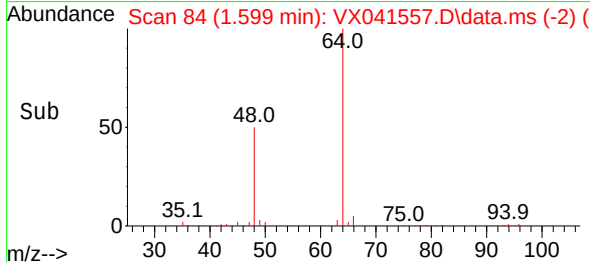
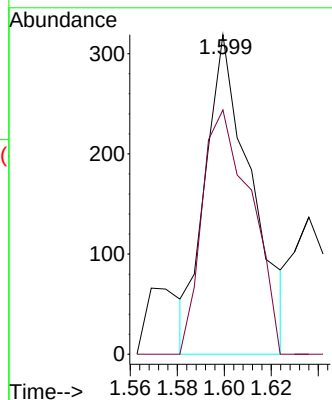
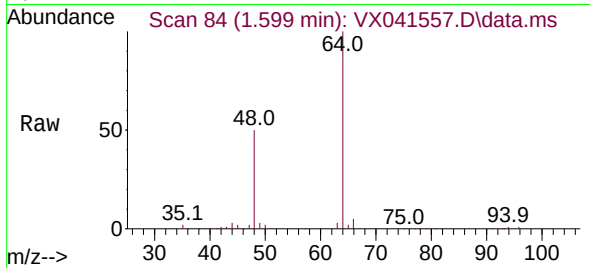




#5
Bromomethane
Concen: 0.398 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

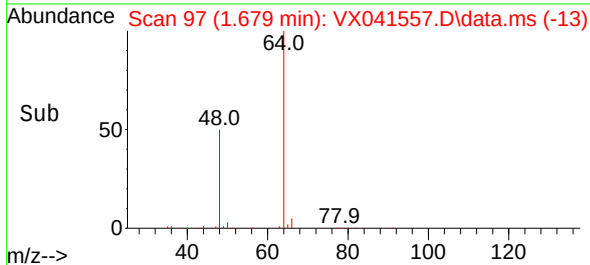
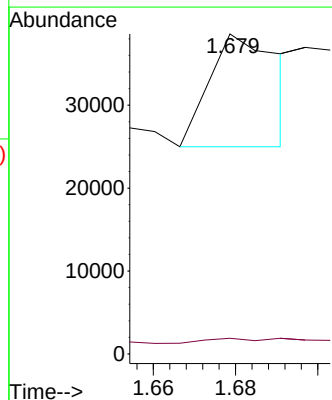
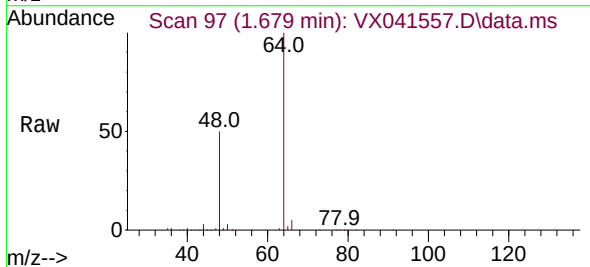
Instrument :
MSVOA_X
ClientSampleId :

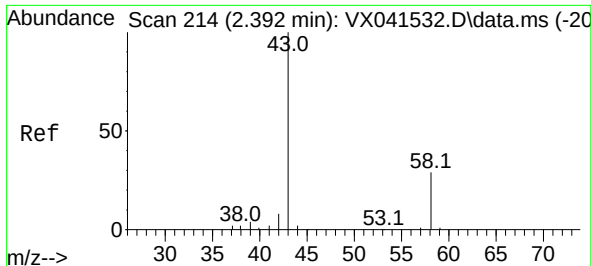
Tgt Ion: 94 Resp: 433
Ion Ratio Lower Upper
94 100
96 92.4 73.9 110.9



#6
Chloroethane
Concen: 18.259 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

Tgt Ion: 64 Resp: 15800
Ion Ratio Lower Upper
64 100
66 4.4 28.6 42.8#





#15

Acetone

Concen: 4.223 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041557.D

Acq: 16 May 2024 12:48

Instrument :

MSVOA_X

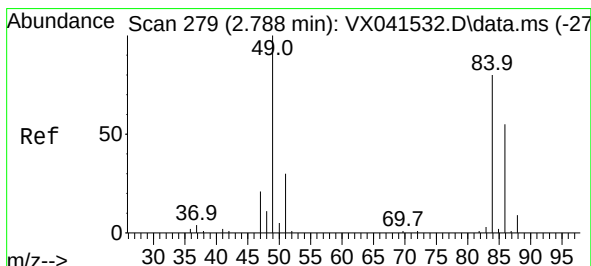
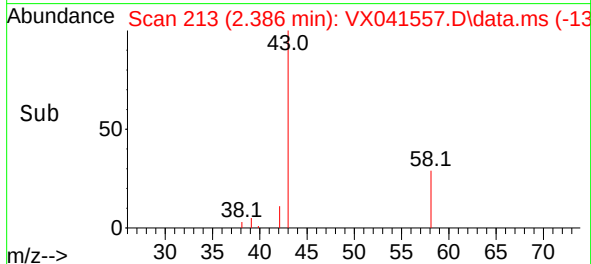
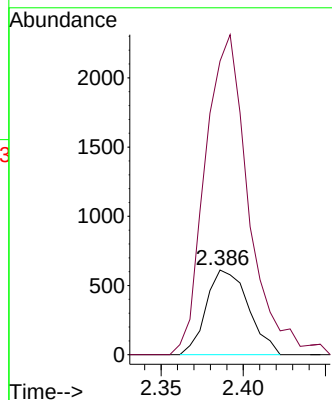
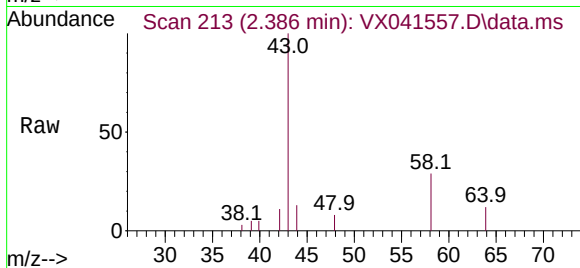
ClientSampleId :

Tgt Ion: 58 Resp: 1088

Ion Ratio Lower Upper

58 100

43 334.6 274.0 411.0



#18

Methylene Chloride

Concen: 0.241 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041557.D

Acq: 16 May 2024 12:48

Tgt Ion: 84 Resp: 417

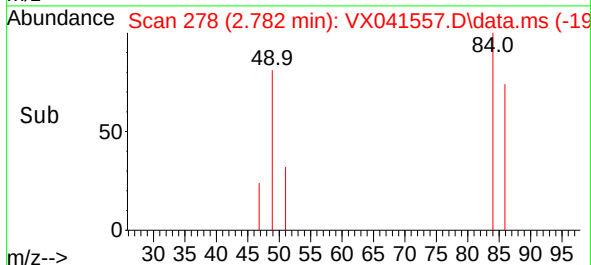
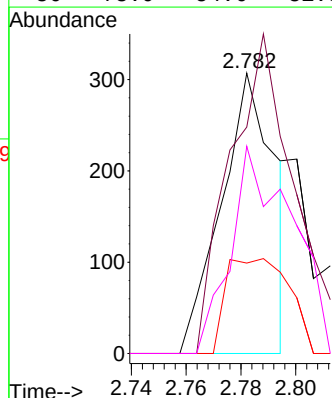
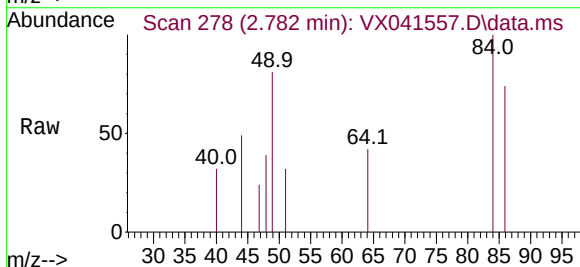
Ion Ratio Lower Upper

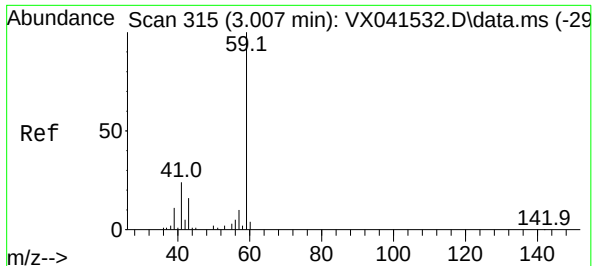
84 100

49 80.8 99.8 149.8#

51 32.2 30.2 45.4

86 73.9 54.6 81.8





#23

tert-Butyl Alcohol

Concen: 1.240 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.067 min

Lab File: VX041557.D

Acq: 16 May 2024 12:48

Instrument :

MSVOA_X

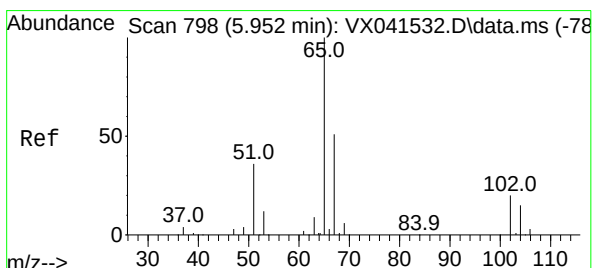
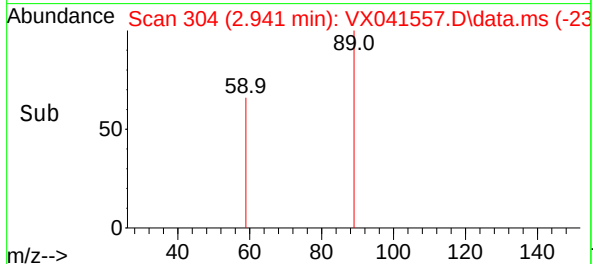
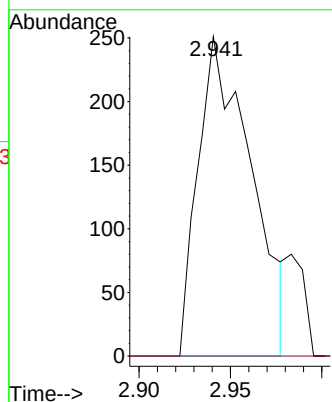
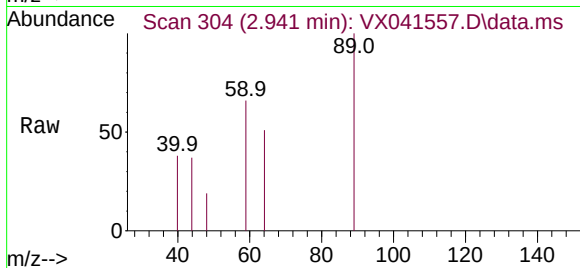
ClientSampleId :

Tgt Ion: 59 Resp: 506

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#27

1,2-Dichloroethane-d4

Concen: 29.626 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041557.D

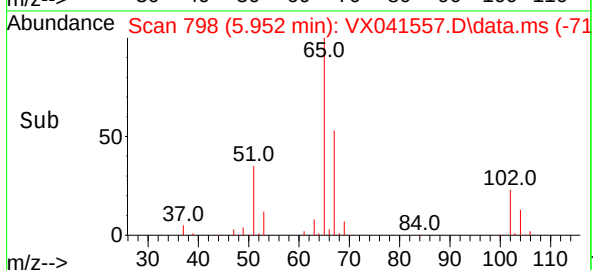
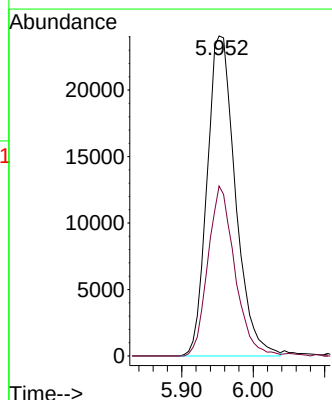
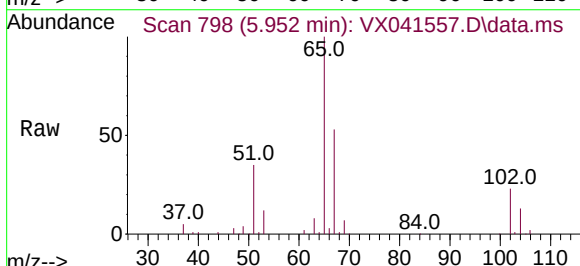
Acq: 16 May 2024 12:48

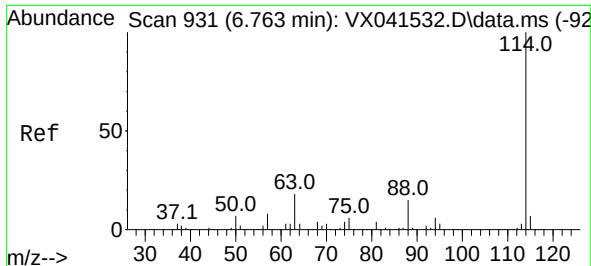
Tgt Ion: 65 Resp: 66216

Ion Ratio Lower Upper

65 100

67 50.3 40.8 61.2

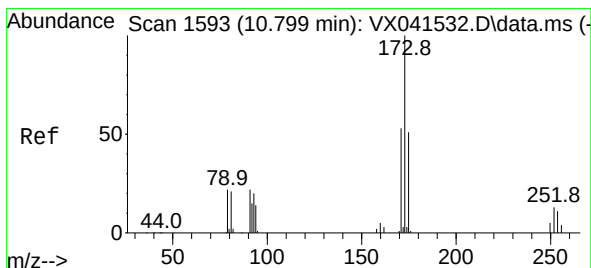
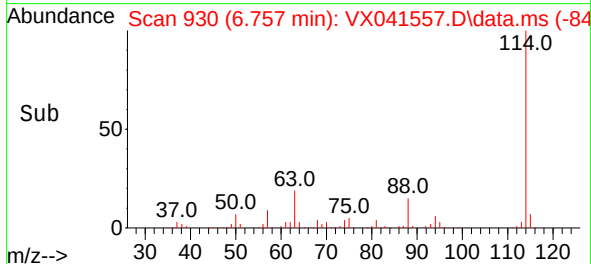
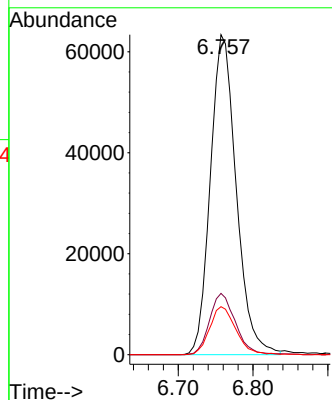
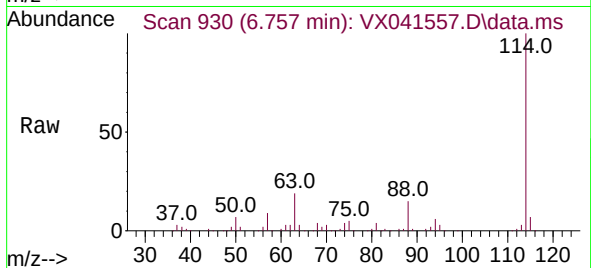




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

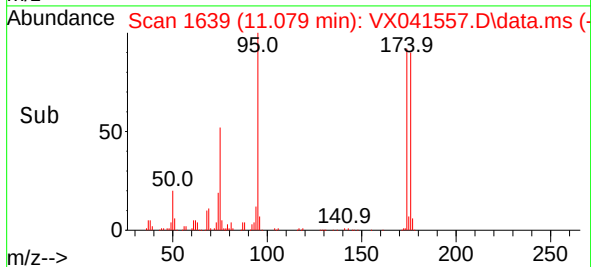
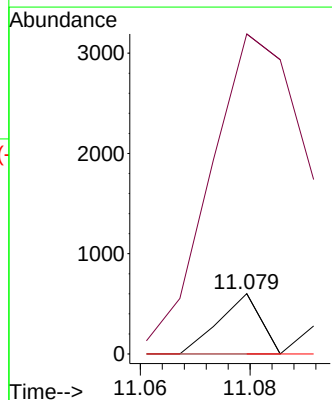
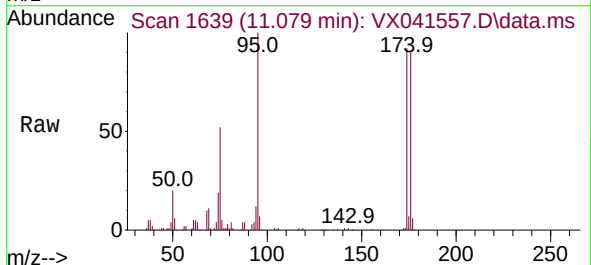
Instrument :
MSVOA_X
ClientSampleId :

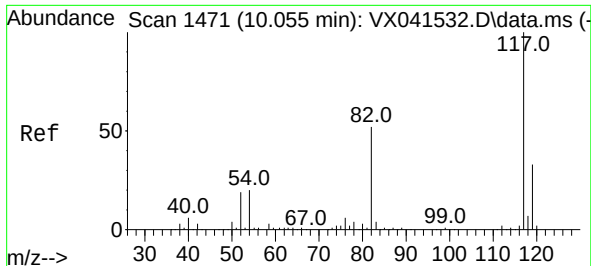
Tgt Ion:114 Resp: 152825
Ion Ratio Lower Upper
114 100
63 19.2 15.4 23.0
88 15.1 12.2 18.2



#56
Bromoform
Concen: 0.212 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

Tgt Ion:173 Resp: 319
Ion Ratio Lower Upper
173 100
175 1336.4 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: VX041557.D

Acq: 16 May 2024 12:48

Instrument :

MSVOA_X

ClientSampleId :

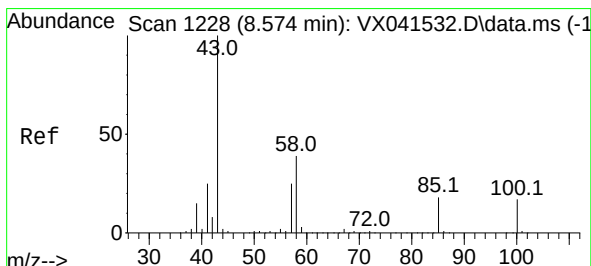
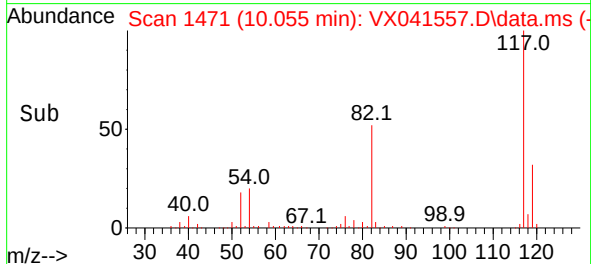
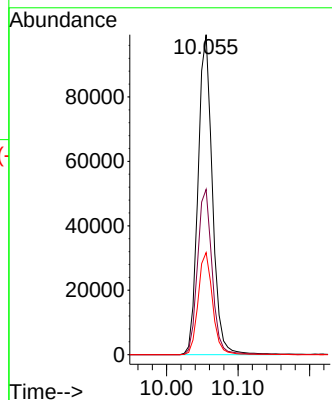
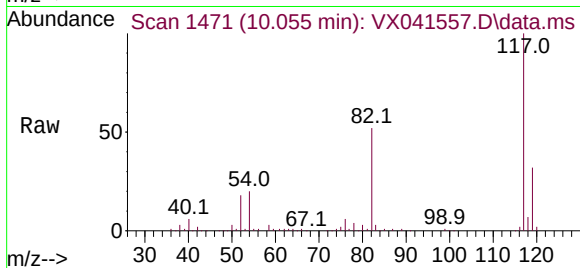
Tgt Ion:117 Resp: 138184

Ion Ratio Lower Upper

117 100

82 52.4 41.7 62.5

119 32.0 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.298 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041557.D

Acq: 16 May 2024 12:48

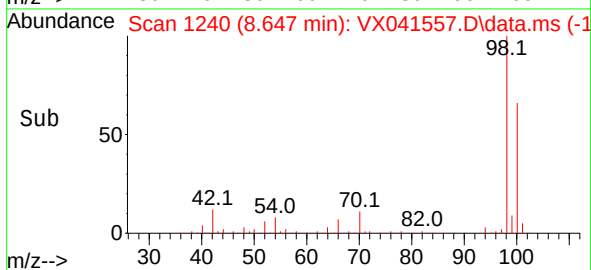
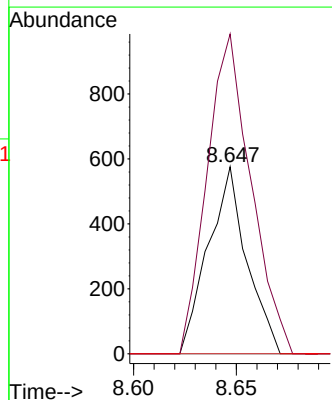
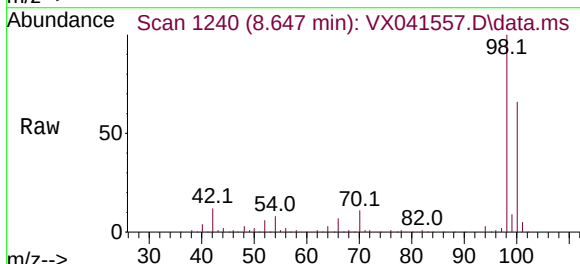
Tgt Ion: 43 Resp: 752

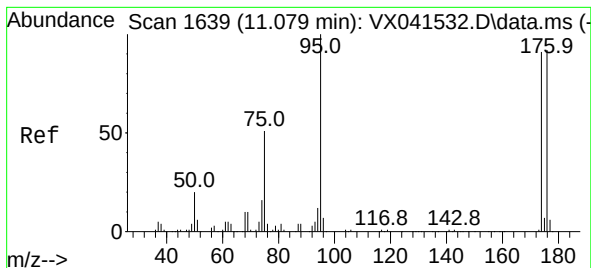
Ion Ratio Lower Upper

43 100

58 194.5 30.2 45.4#

85 0.0 14.6 21.8#





#60

4-Bromofluorobenzene

Concen: 27.947 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041557.D

Acq: 16 May 2024 12:48

Instrument :

MSVOA_X

ClientSampleId :

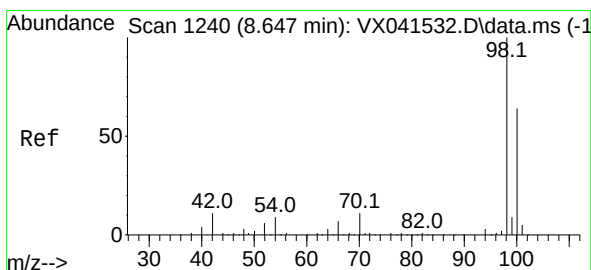
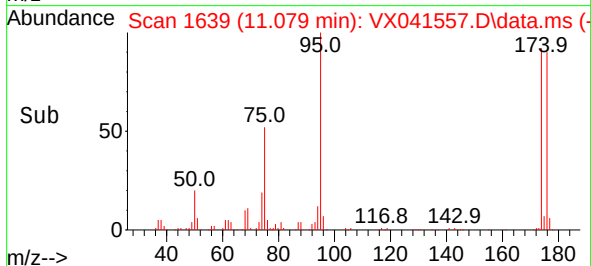
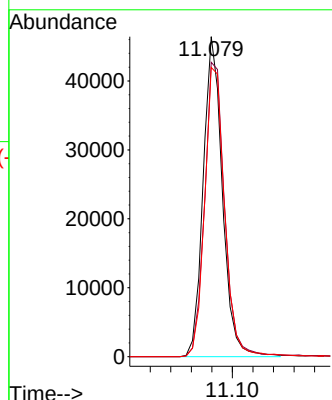
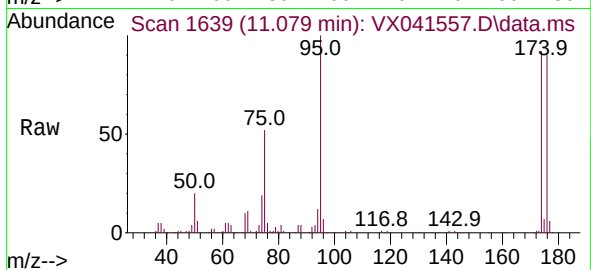
Tgt Ion: 95 Resp: 60285

Ion Ratio Lower Upper

95 100

174 95.7 76.6 115.0

176 94.4 75.4 113.0



#63

Toluene-d8

Concen: 30.112 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041557.D

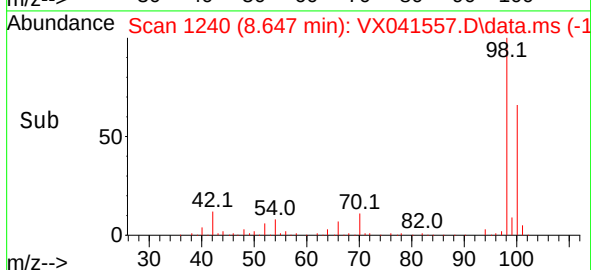
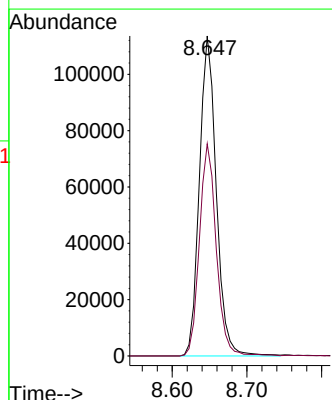
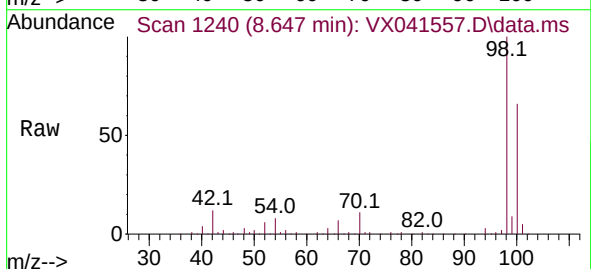
Acq: 16 May 2024 12:48

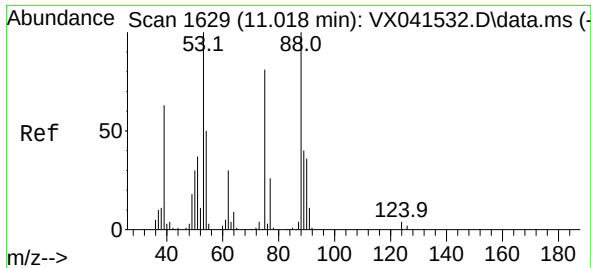
Tgt Ion: 98 Resp: 178368

Ion Ratio Lower Upper

98 100

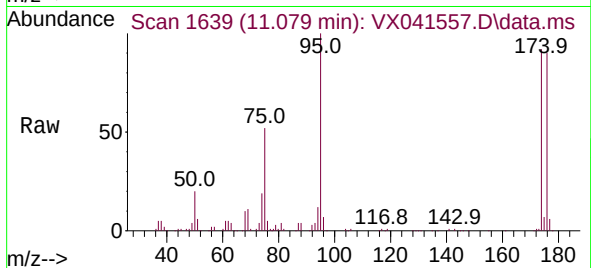
100 65.6 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 40.537 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041557.D
Acq: 16 May 2024 12:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	29976
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

