

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041553.D
 Acq On : 16 May 2024 10:54
 Operator : JC/MD
 Sample : VX0516WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:36:56 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)

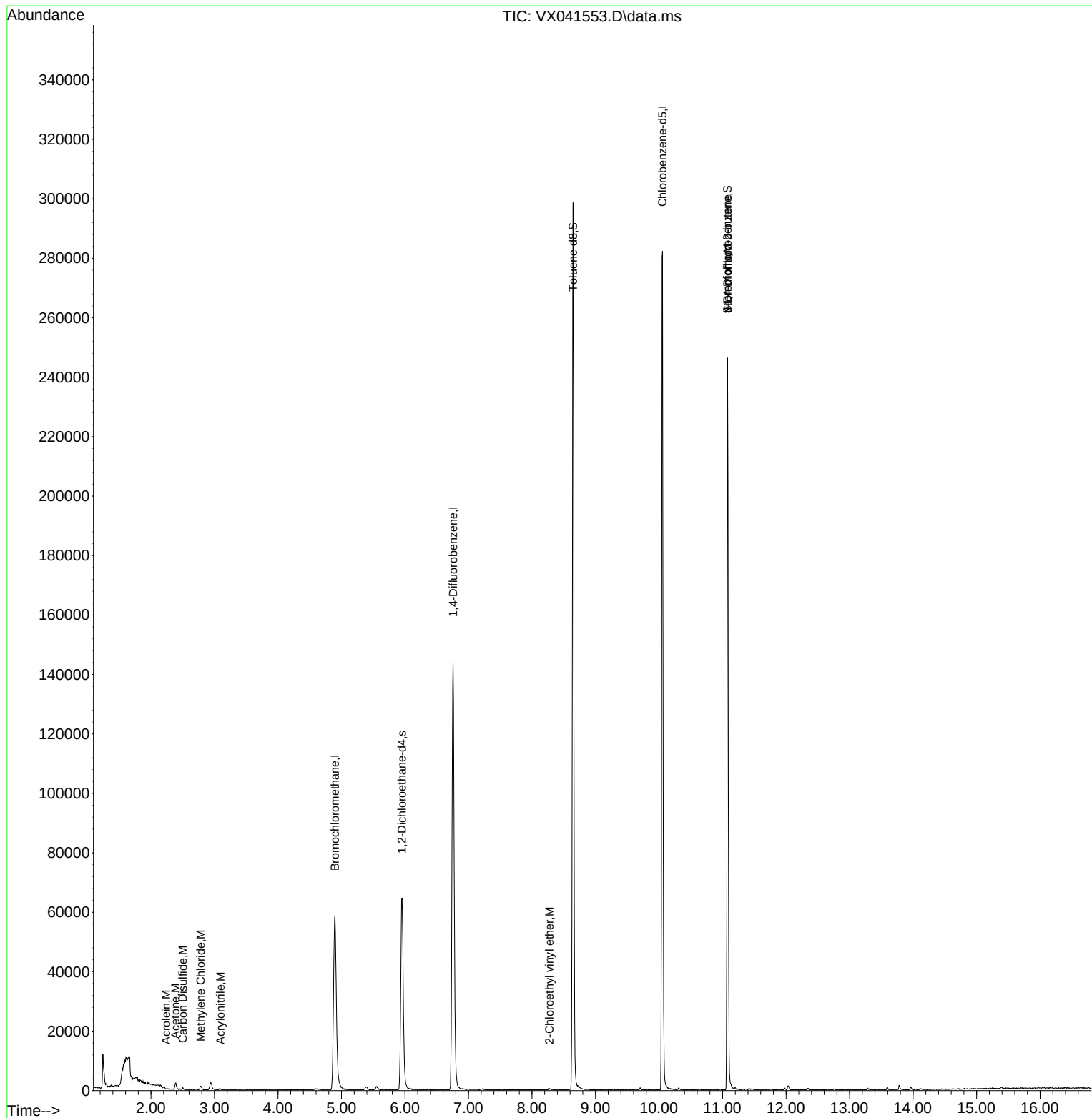
Internal Standards						
1) Bromochloromethane	4.897	128	27764	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	155536	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	137880	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66495	30.413	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.367%
60) 4-Bromofluorobenzene	11.079	95	60101	27.923	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.067%
63) Toluene-d8	8.647	98	177891	30.098	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.333%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	57	0.219	ug/l #	15
14) Acrylonitrile	3.093	53	210	0.223	ug/l #	40
15) Acetone	2.386	58	651	2.583	ug/l	93
16) Carbon Disulfide	2.502	76	804	0.251	ug/l #	74
18) Methylene Chloride	2.782	84	693	0.410	ug/l #	91
55) 2-Chloroethyl vinyl ether	8.275	63	352	0.266	ug/l #	62
56) Bromoform	11.079	173	572	0.373	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30546	41.398	ug/l #	1

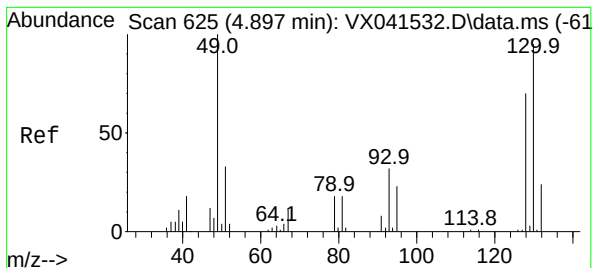
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 17 02:36:56 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: 4.897 min Scan# 61

Delta R.T. 0.000 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

Instrument :

MSVOA_X

ClientSampleId :

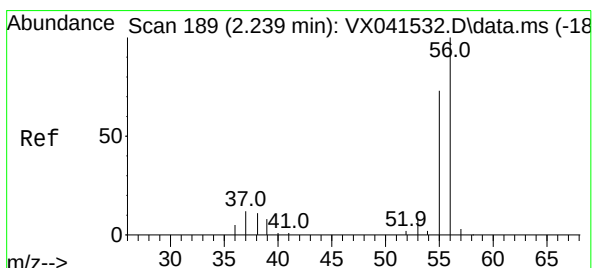
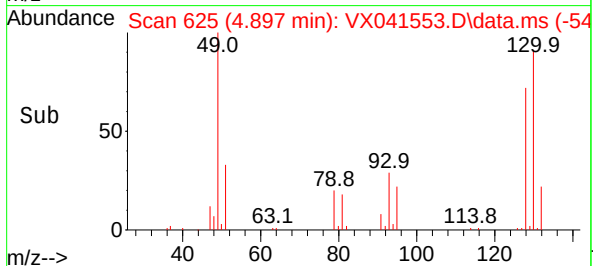
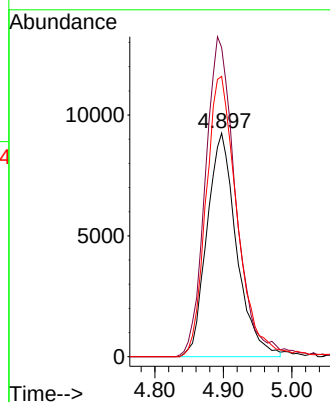
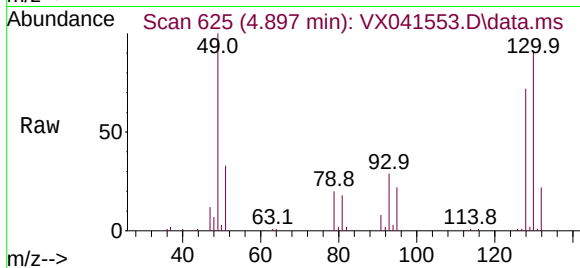
Tgt Ion:128 Resp: 27764

Ion Ratio Lower Upper

128 100

49 144.2 0.0 361.5

130 131.7 0.0 324.3



#13

Acrolein

Concen: 0.219 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX041553.D

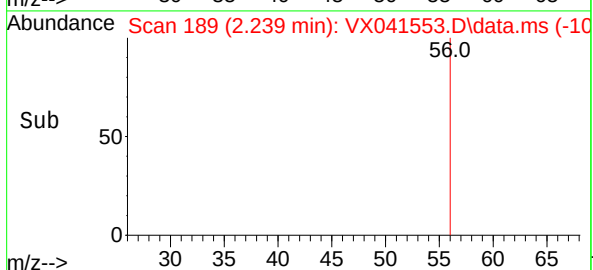
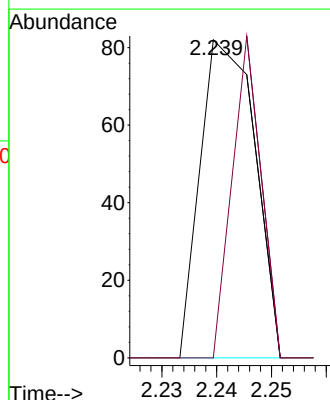
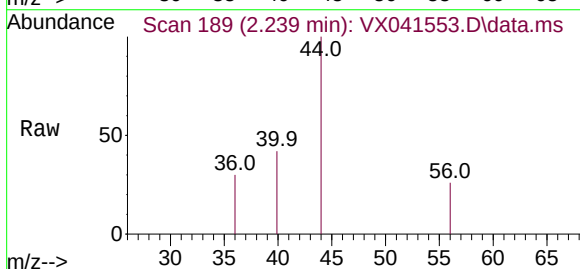
Acq: 16 May 2024 10:54

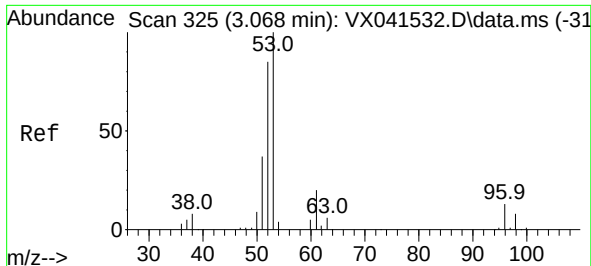
Tgt Ion: 56 Resp: 57

Ion Ratio Lower Upper

56 100

55 0.0 55.1 82.7#





#14

Acrylonitrile

Concen: 0.223 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.025 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

Instrument :

MSVOA_X

ClientSampleId :

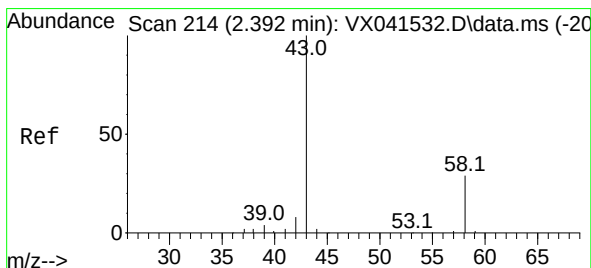
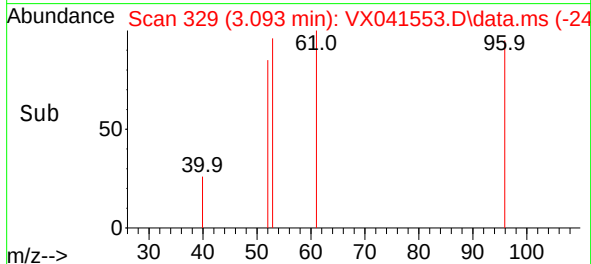
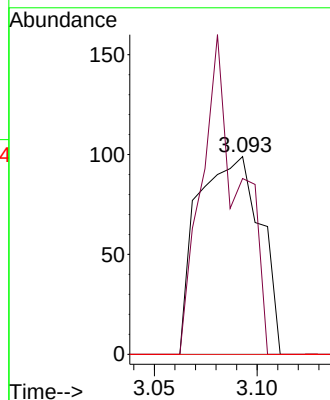
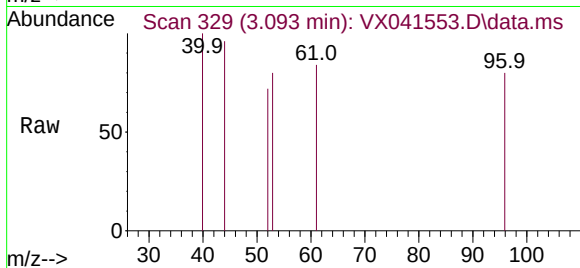
Tgt Ion: 53 Resp: 210

Ion Ratio Lower Upper

53 100

52 30.0 41.3 123.7#

51 0.0 18.4 55.0#



#15

Acetone

Concen: 2.583 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041553.D

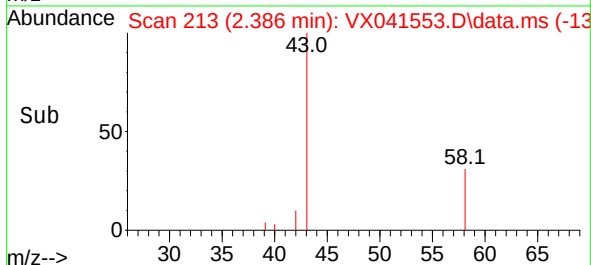
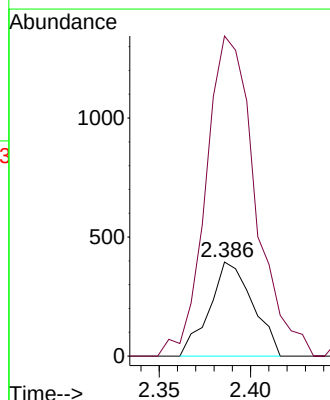
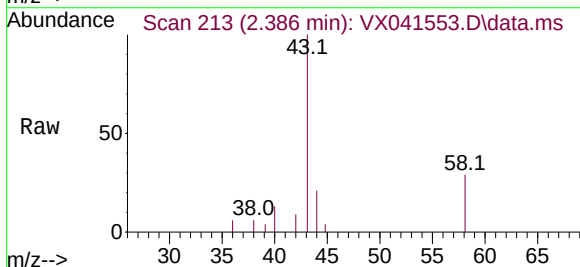
Acq: 16 May 2024 10:54

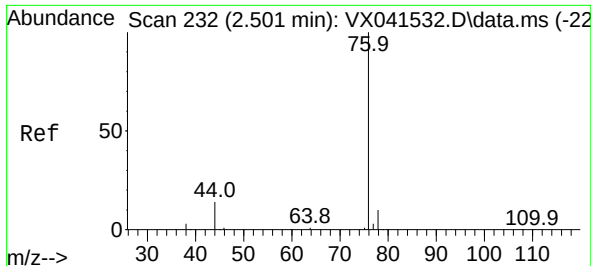
Tgt Ion: 58 Resp: 651

Ion Ratio Lower Upper

58 100

43 327.1 274.0 411.0

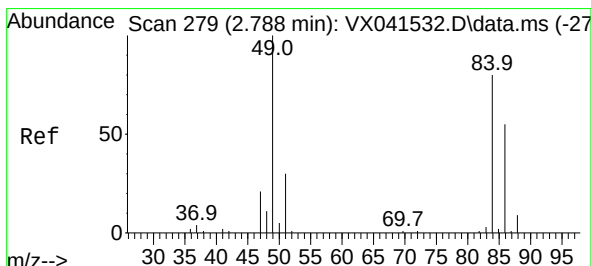
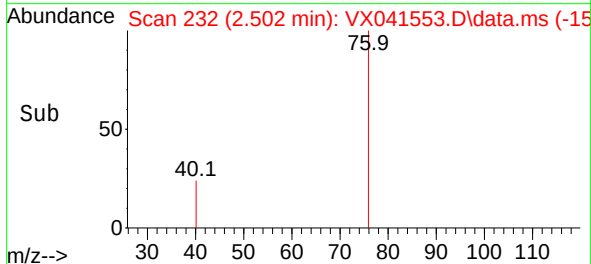
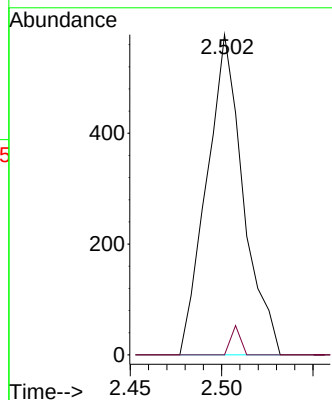
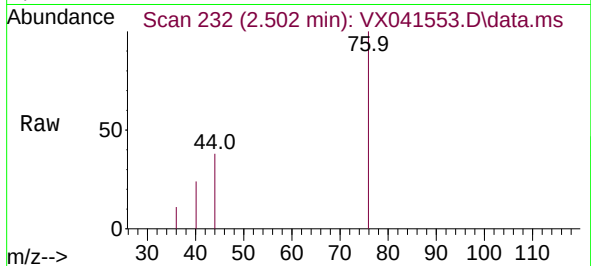




#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.502 min Scan# 24
Delta R.T. 0.000 min
Lab File: VX041553.D
Acq: 16 May 2024 10:54

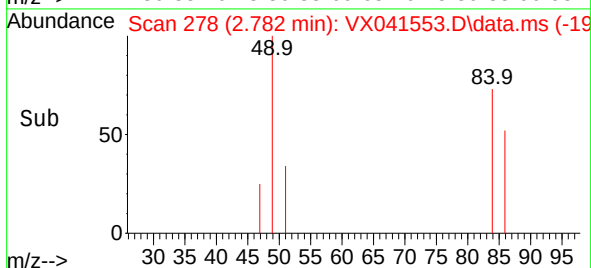
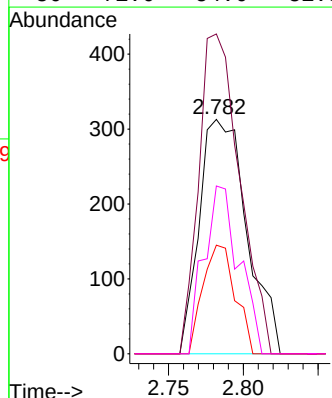
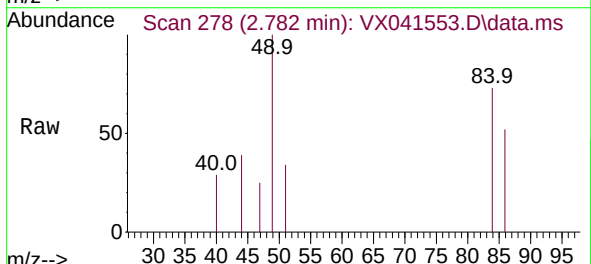
Instrument :
MSVOA_X
ClientSampleId :

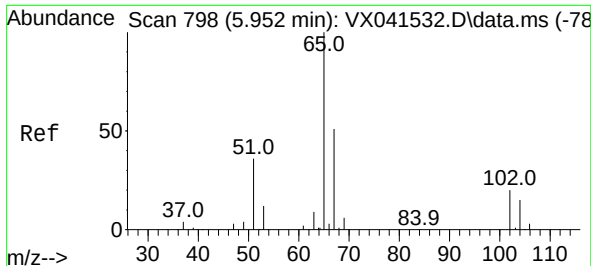
Tgt Ion: 76 Resp: 804
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.410 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041553.D
Acq: 16 May 2024 10:54

Tgt Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 136.4 99.8 149.8
51 46.3 30.2 45.4#
86 71.6 54.6 81.8

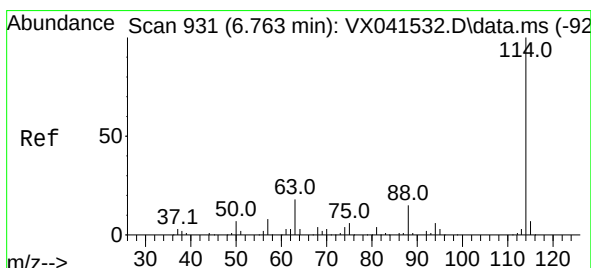
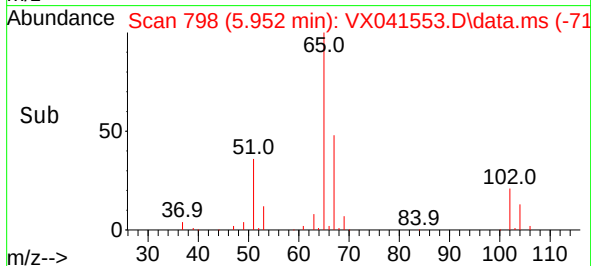
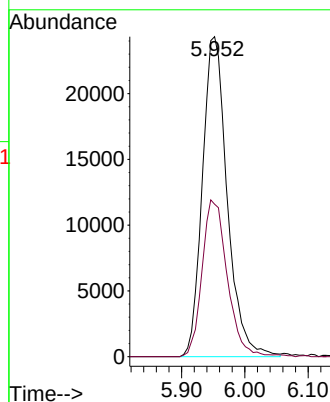
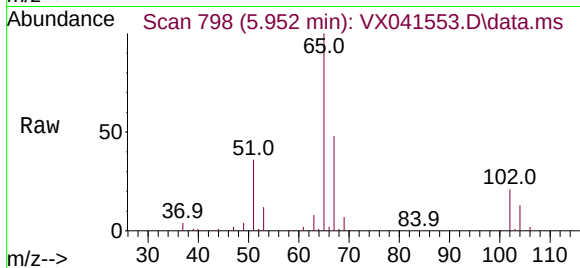




#27
1,2-Dichloroethane-d4
Concen: 30.413 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041553.D
Acq: 16 May 2024 10:54

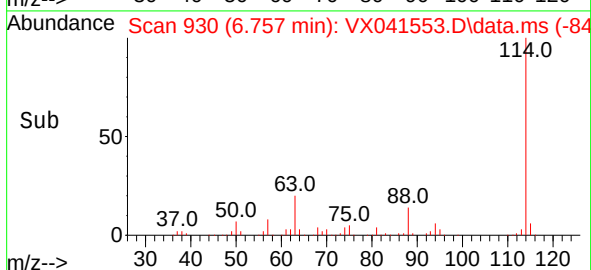
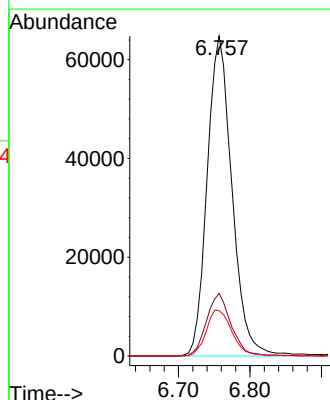
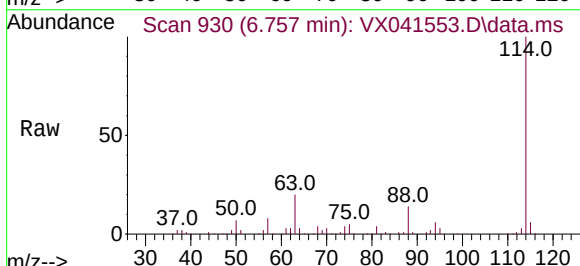
Instrument :
MSVOA_X
ClientSampleId :

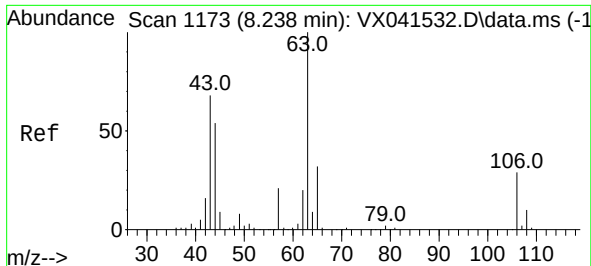
Tgt Ion: 65 Resp: 66495
Ion Ratio Lower Upper
65 100
67 49.3 40.8 61.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX041553.D
Acq: 16 May 2024 10:54

Tgt Ion: 114 Resp: 155536
Ion Ratio Lower Upper
114 100
63 19.3 15.4 23.0
88 14.8 12.2 18.2





#55

2-Chloroethyl vinyl ether

Concen: 0.266 ug/l

RT: 8.275 min Scan# 1

Delta R.T. 0.037 min

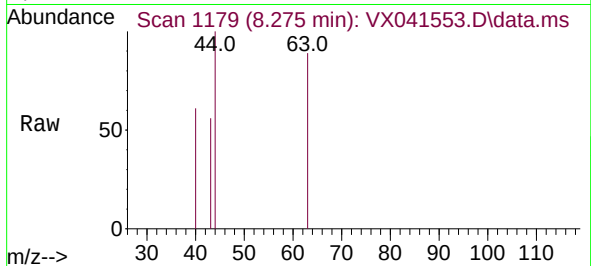
Lab File: VX041553.D

Acq: 16 May 2024 10:54

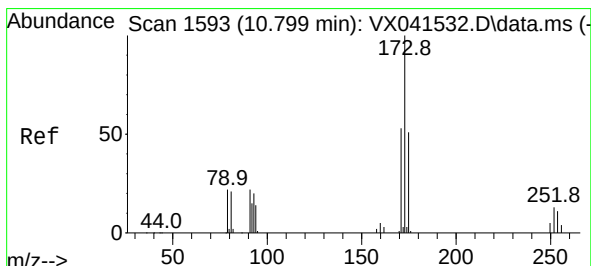
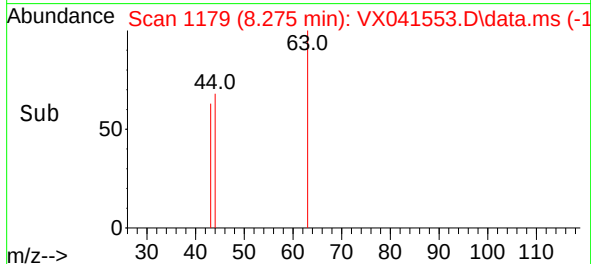
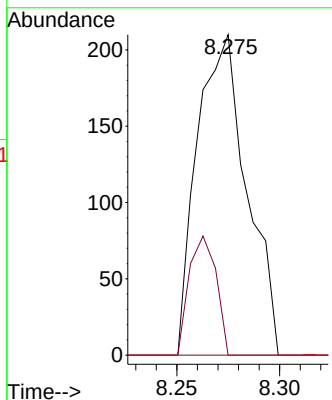
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 63	Resp:	352
Ion	Ratio	Lower Upper
63	100	
65	20.2	25.5 38.3#
106	0.0	24.7 37.1#



#56

Bromoform

Concen: 0.373 ug/l

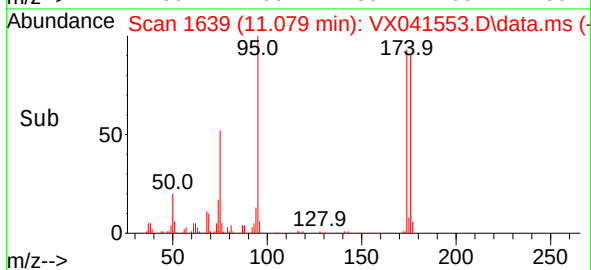
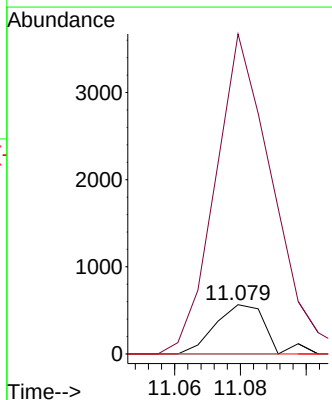
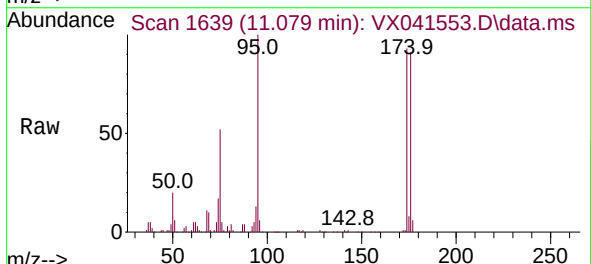
RT: 11.079 min Scan# 1639

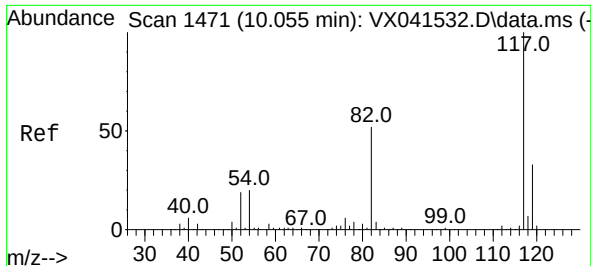
Delta R.T. 0.281 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

Tgt Ion: 173	Resp:	572
Ion	Ratio	Lower Upper
173	100	
175	774.8	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: VX041553.D

Acq: 16 May 2024 10:54

Instrument :

MSVOA_X

ClientSampleId :

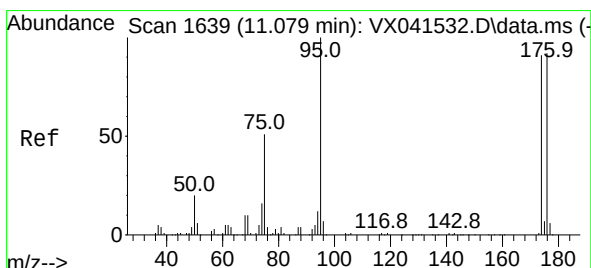
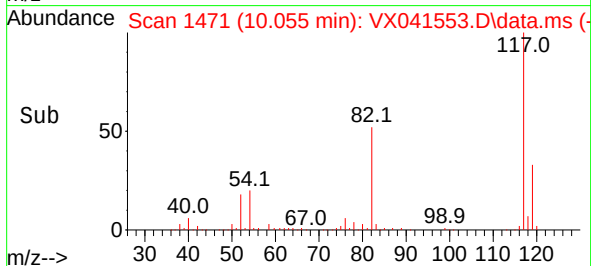
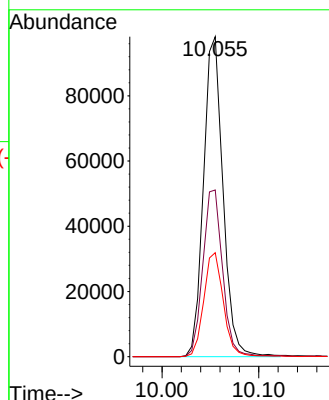
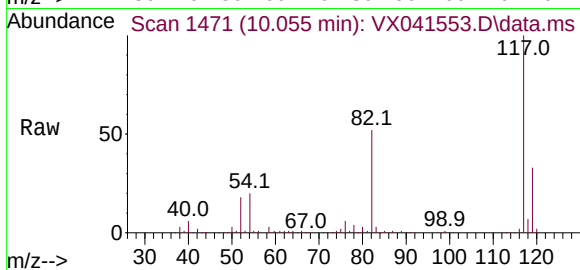
Tgt Ion:117 Resp: 137880

Ion Ratio Lower Upper

117 100

82 52.8 41.7 62.5

119 32.8 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 27.923 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

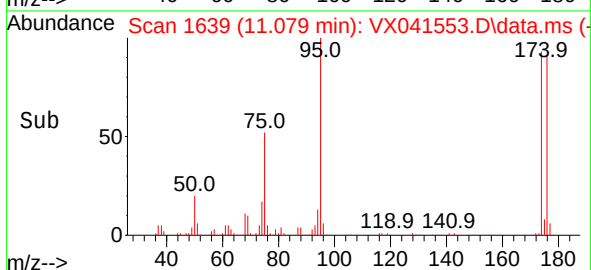
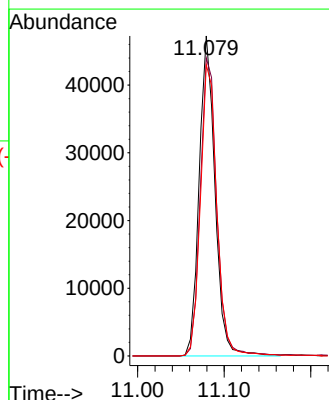
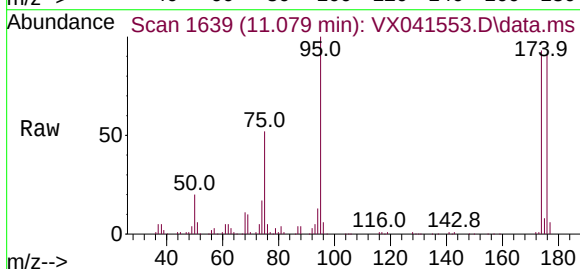
Tgt Ion: 95 Resp: 60101

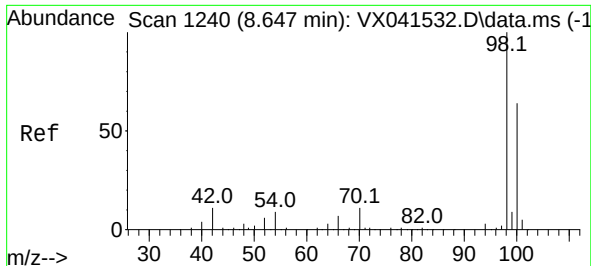
Ion Ratio Lower Upper

95 100

174 96.8 76.6 115.0

176 94.4 75.4 113.0





#63

Toluene-d8

Concen: 30.098 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

Instrument :

MSVOA_X

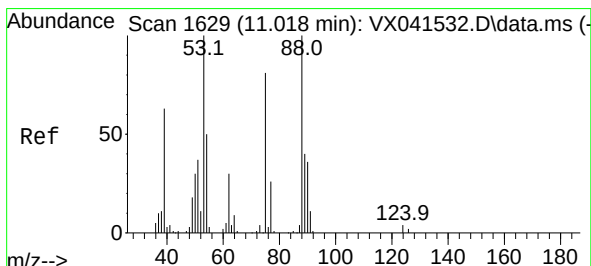
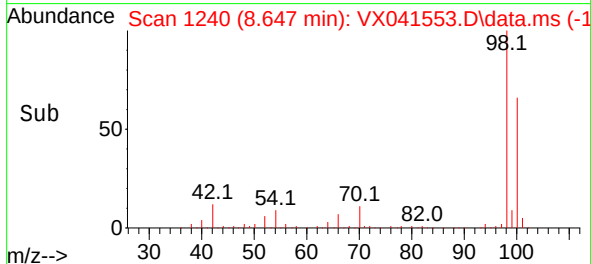
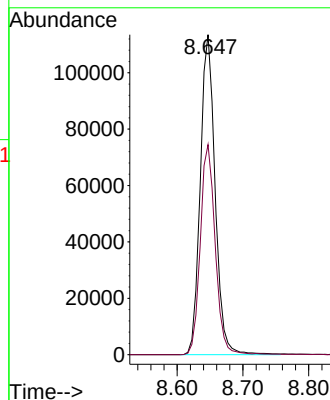
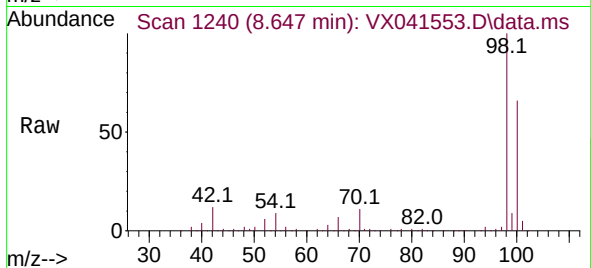
ClientSampleId :

Tgt Ion: 98 Resp: 177891

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 41.398 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041553.D

Acq: 16 May 2024 10:54

Tgt Ion: 75 Resp: 30546

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

