

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041571.D
 Acq On : 16 May 2024 18:10
 Operator : JC/MD
 Sample : P2517-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:42:46 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)

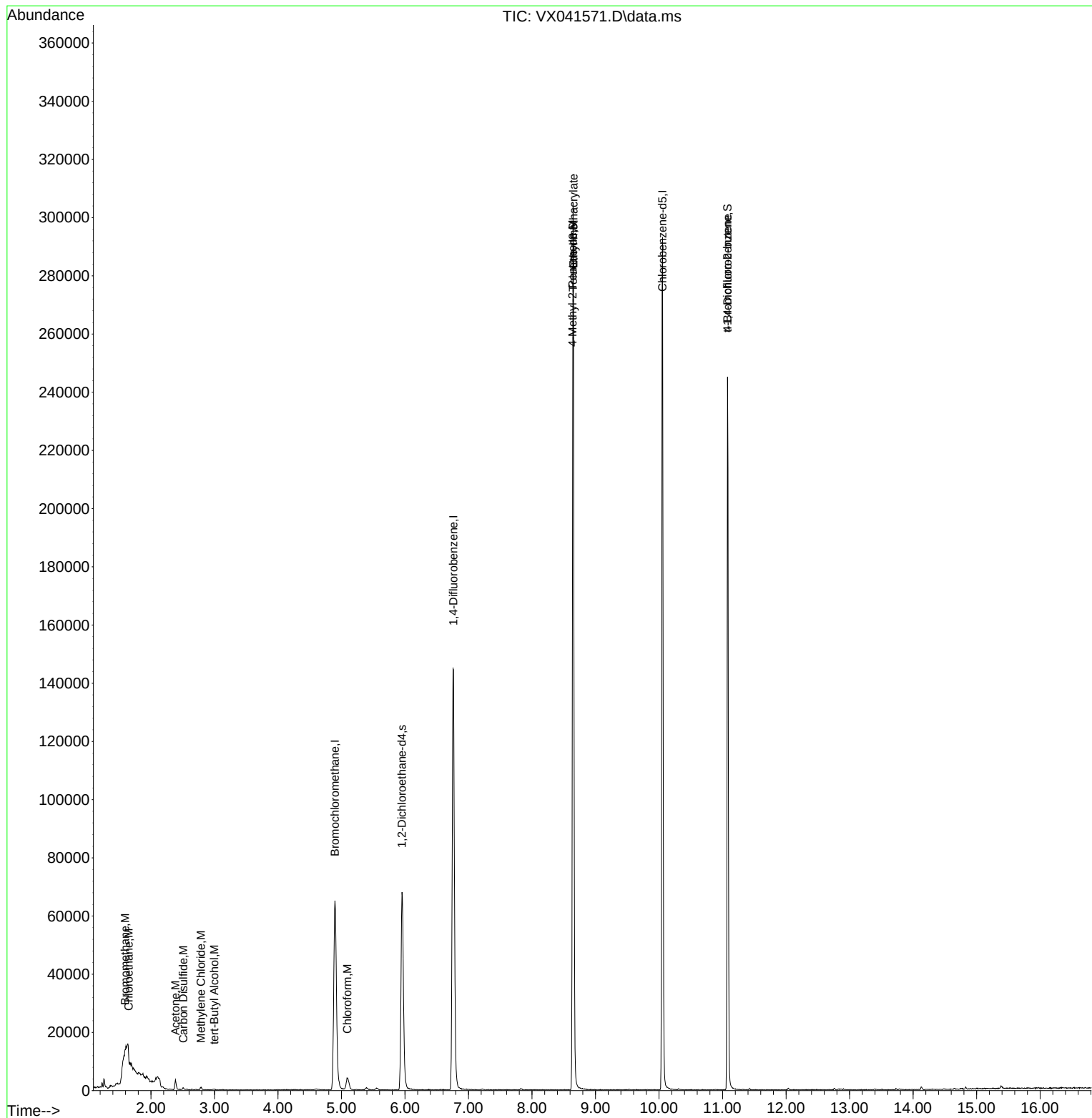
Internal Standards						
1) Bromochloromethane	4.897	128	29627	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157826	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	141567	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	67959	29.128	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.100%		
60) 4-Bromofluorobenzene	11.079	95	60386	27.324	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.067%		
63) Toluene-d8	8.647	98	180064	29.672	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.900%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	295	0.260	ug/l #	56
6) Chloroethane	1.648	64	1167	1.292	ug/l #	44
15) Acetone	2.386	58	1016	3.778	ug/l	82
16) Carbon Disulfide	2.507	76	858	0.251	ug/l #	74
18) Methylene Chloride	2.788	84	394	0.219	ug/l #	62
23) tert-Butyl Alcohol	2.995	59	124	0.291	ug/l #	100
25) Chloroform	5.092	83	5408	1.600	ug/l	93
51) Ethyl methacrylate	8.653	69	598	0.218	ug/l	75
58) 4-Methyl-2-Pentanone	8.641	43	848	0.328	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30966	40.875	ug/l #	1

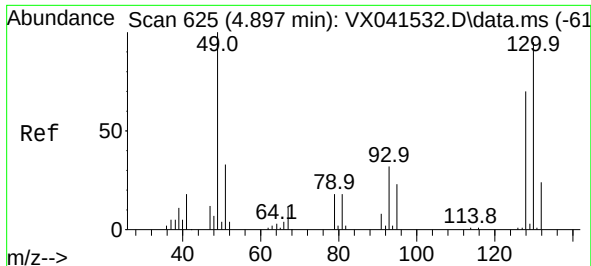
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
Data File : VX041571.D
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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

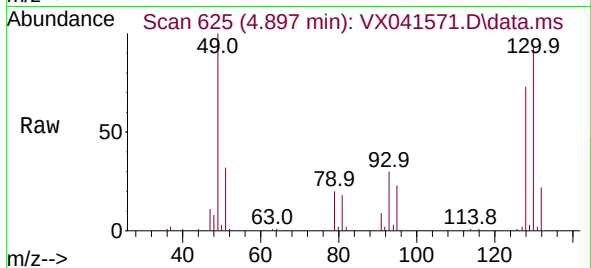
Quant Time: May 17 02:42:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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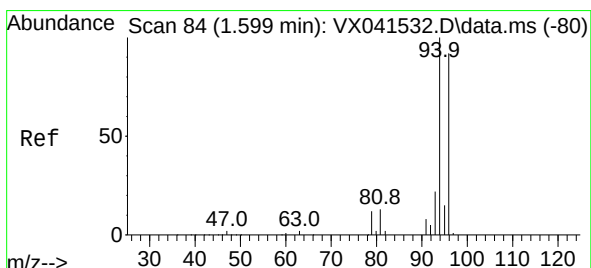
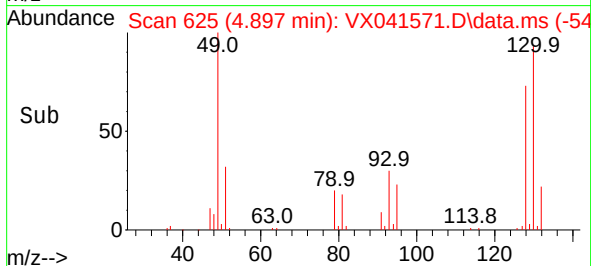
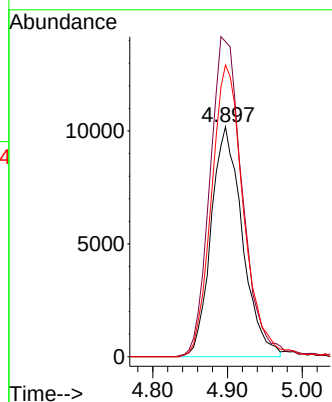


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Instrument :
MSVOA_X
ClientSampleId :

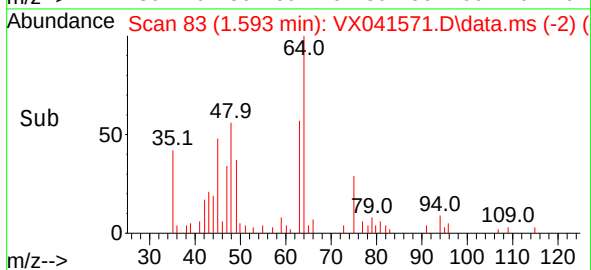
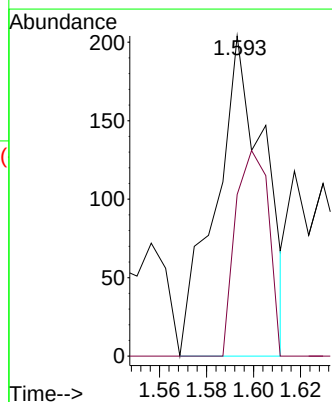
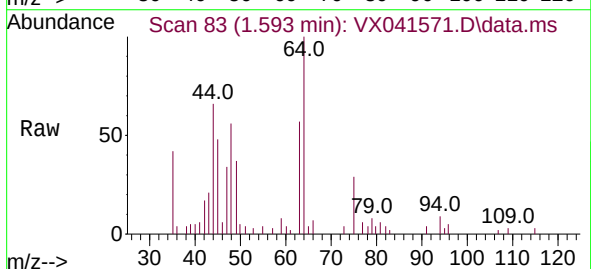


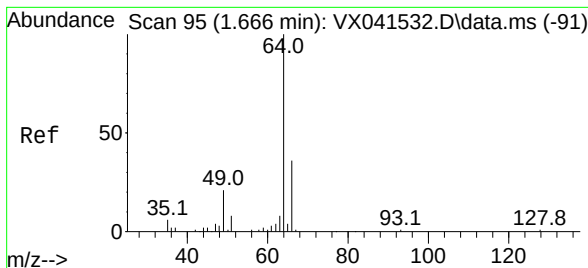
Tgt Ion:128 Resp: 29627
Ion Ratio Lower Upper
128 100
49 144.5 0.0 361.5
130 130.5 0.0 324.3



#5
Bromomethane
Concen: 0.260 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Tgt Ion: 94 Resp: 295
Ion Ratio Lower Upper
94 100
96 50.5 73.9 110.9#

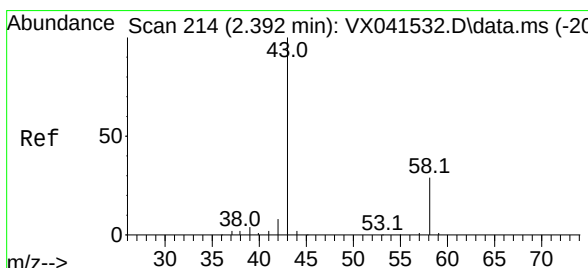
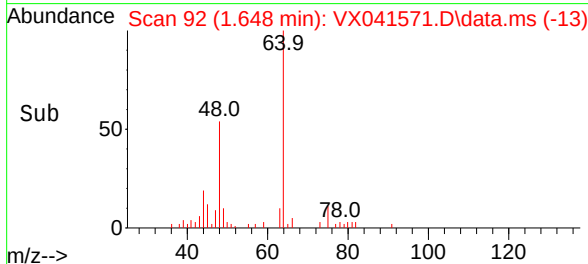
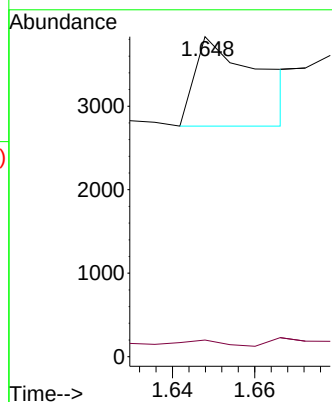
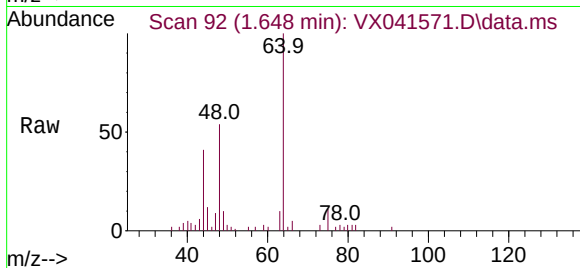




#6
Chloroethane
Concen: 1.292 ug/l
RT: 1.648 min Scan# 91
Delta R.T. -0.018 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

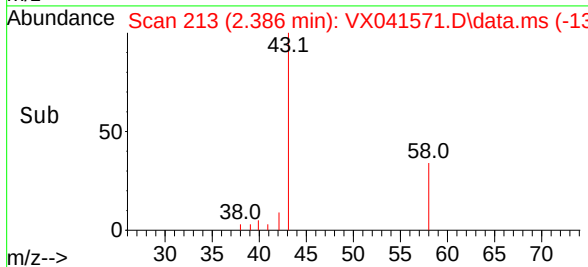
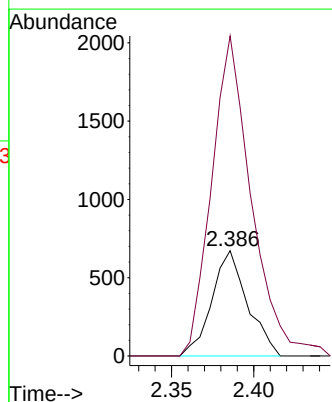
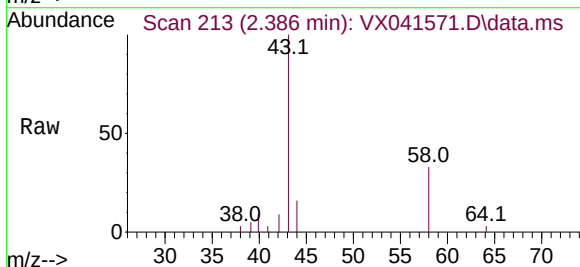
Instrument :
MSVOA_X
ClientSampleId :

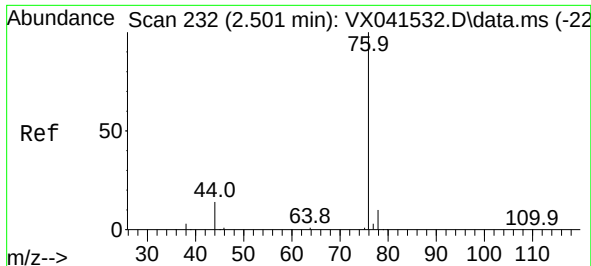
Tgt Ion: 64 Resp: 1167
Ion Ratio Lower Upper
64 100
66 3.0 28.6 42.8#



#15
Acetone
Concen: 3.778 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Tgt Ion: 58 Resp: 1016
Ion Ratio Lower Upper
58 100
43 303.7 274.0 411.0

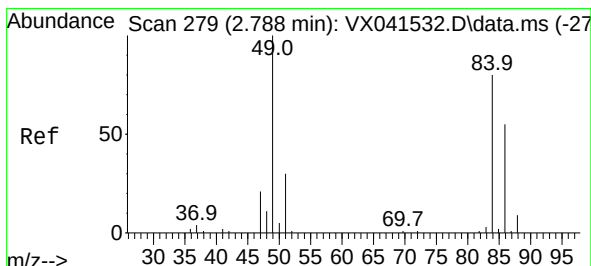
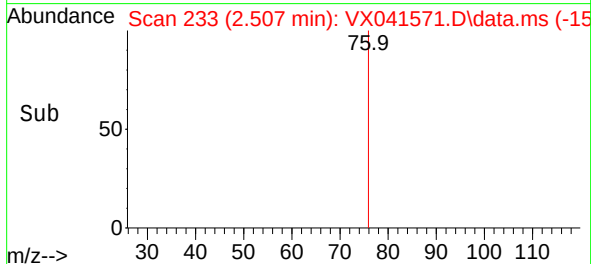
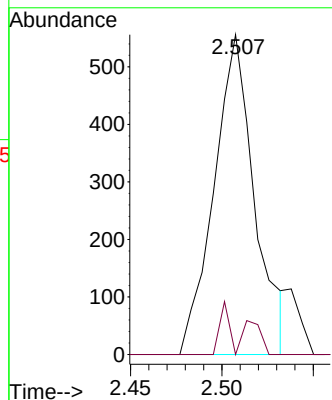
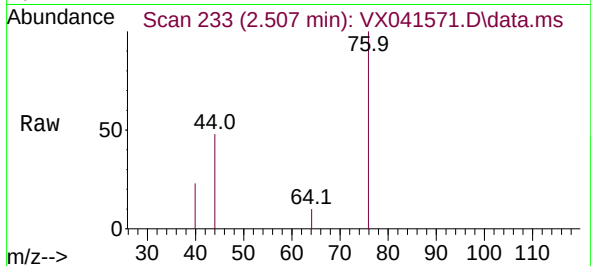




#16
Carbon Disulfide
Concen: 0.251 ug/l
RT: 2.507 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

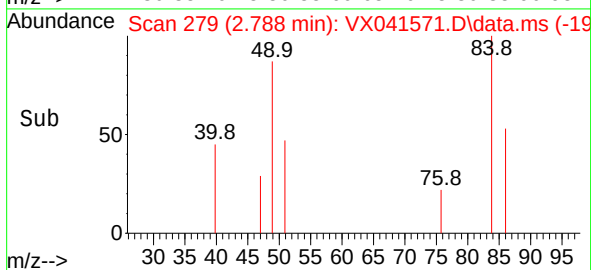
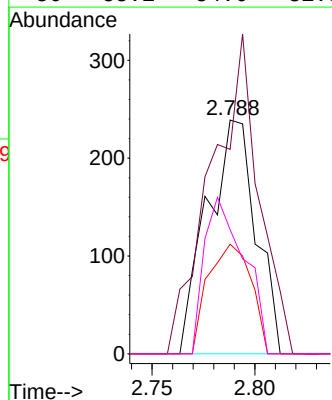
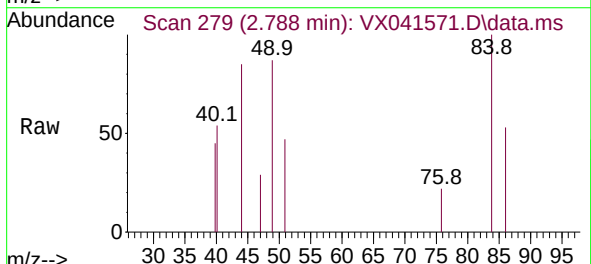
Instrument :
MSVOA_X
ClientSampleId :

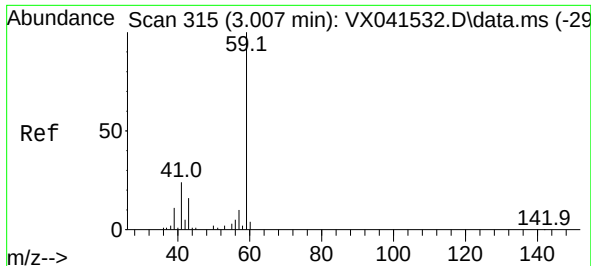
Tgt Ion: 76 Resp: 858
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.219 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Tgt Ion: 84 Resp: 394
Ion Ratio Lower Upper
84 100
49 60.7 99.8 149.8#
51 46.9 30.2 45.4#
86 53.1 54.6 81.8#

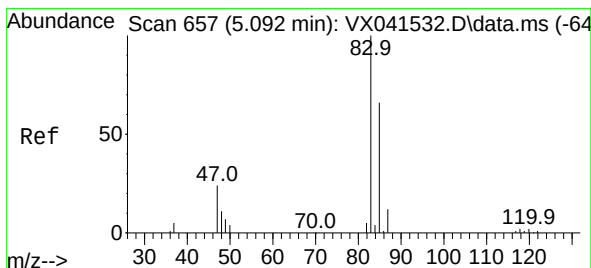
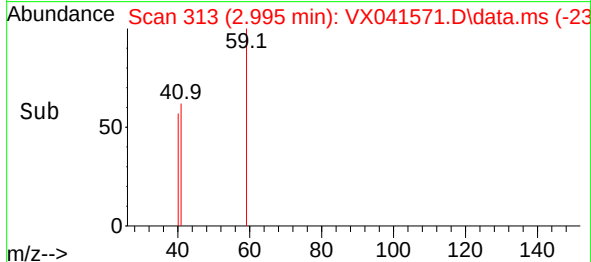
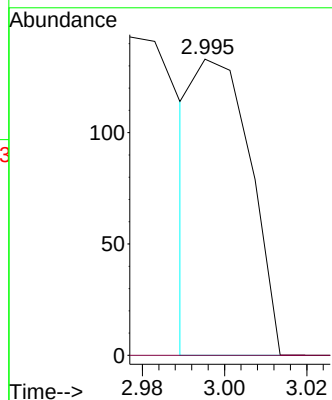
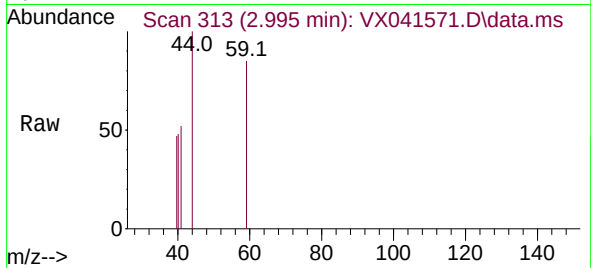




#23
tert-Butyl Alcohol
Concen: 0.291 ug/l
RT: 2.995 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

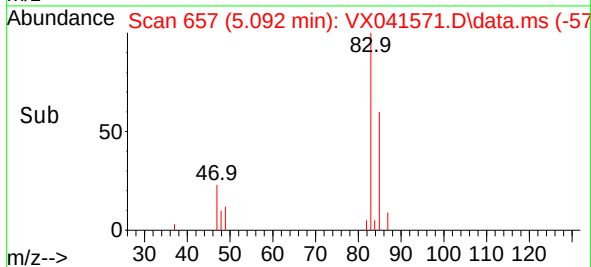
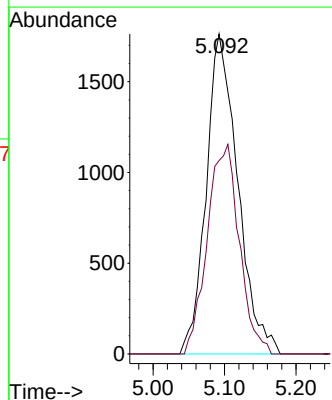
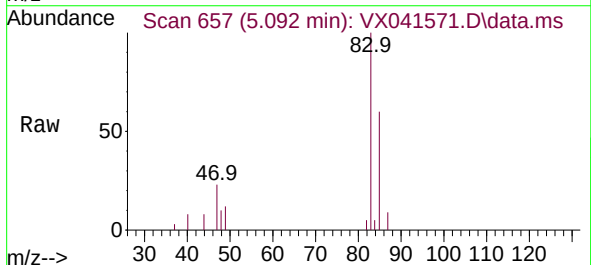
Instrument :
MSVOA_X
ClientSampleId :

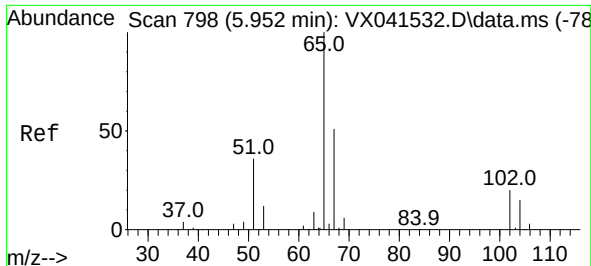
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.600 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

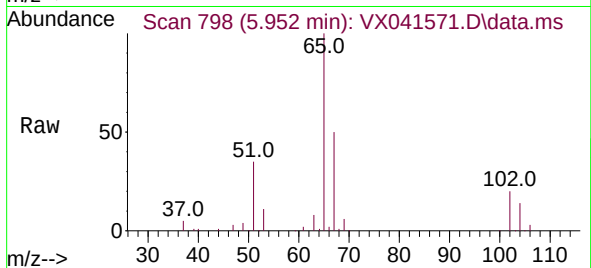
Tgt Ion: 83 Resp: 5408
Ion Ratio Lower Upper
83 100
85 60.5 52.9 79.3



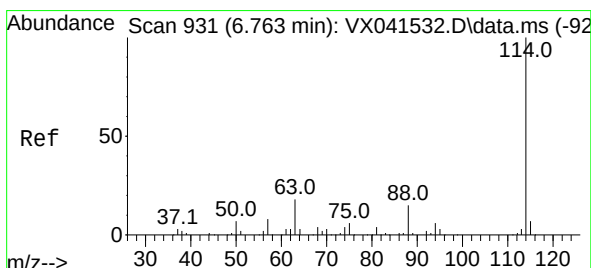
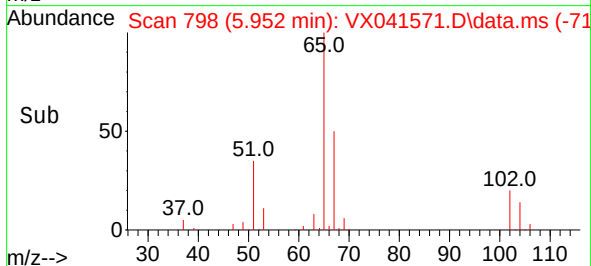
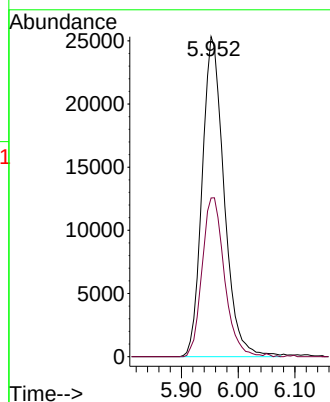


#27
1,2-Dichloroethane-d4
Concen: 29.128 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Instrument :
MSVOA_X
ClientSampleId :

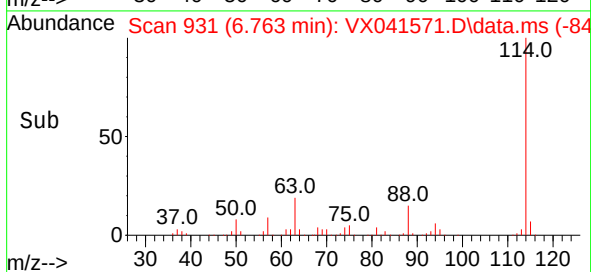
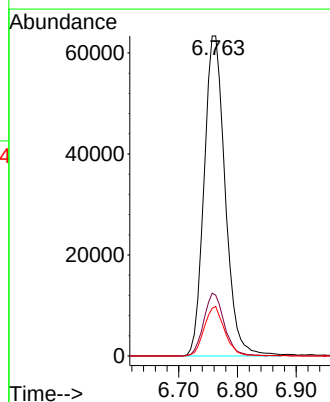
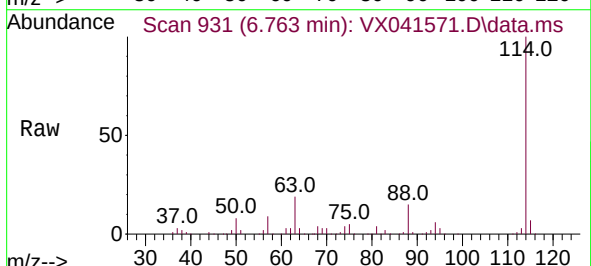


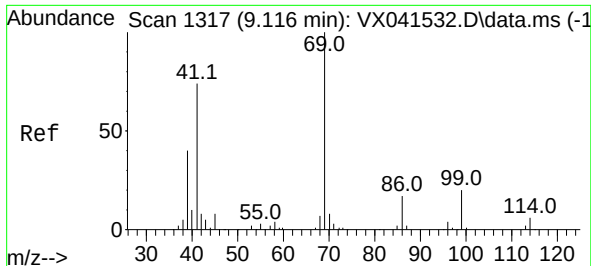
Tgt Ion: 65 Resp: 67959
Ion Ratio Lower Upper
65 100
67 50.5 40.8 61.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Tgt Ion: 114 Resp: 157826
Ion Ratio Lower Upper
114 100
63 19.2 15.4 23.0
88 14.9 12.2 18.2





#51

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041571.D

Acq: 16 May 2024 18:10

Instrument :

MSVOA_X

ClientSampleId :

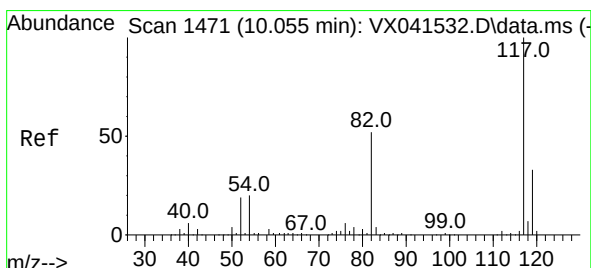
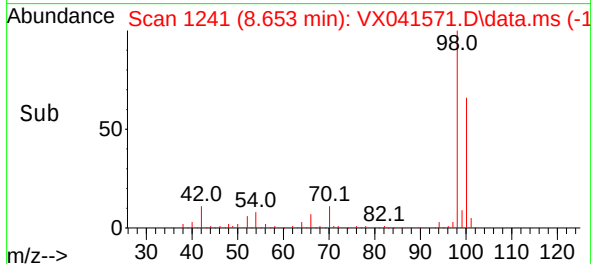
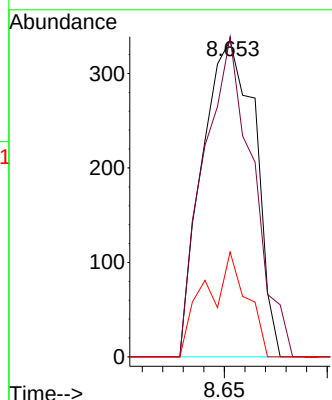
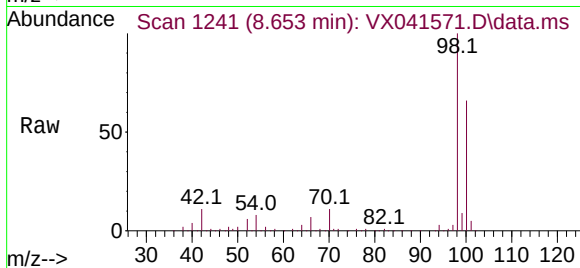
Tgt Ion: 69 Resp: 598

Ion Ratio Lower Upper

69 100

41 101.2 37.1 111.3

39 33.1 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: VX041571.D

Acq: 16 May 2024 18:10

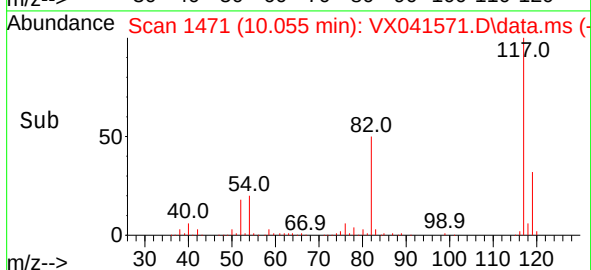
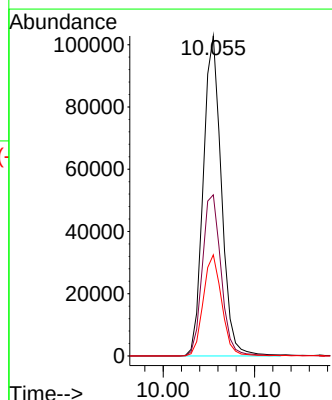
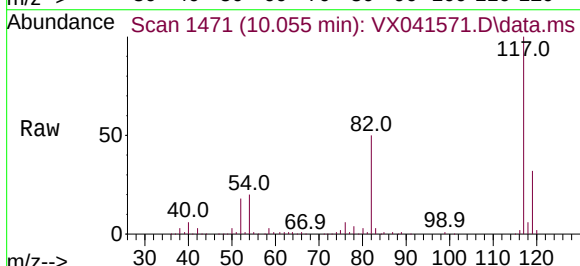
Tgt Ion: 117 Resp: 141567

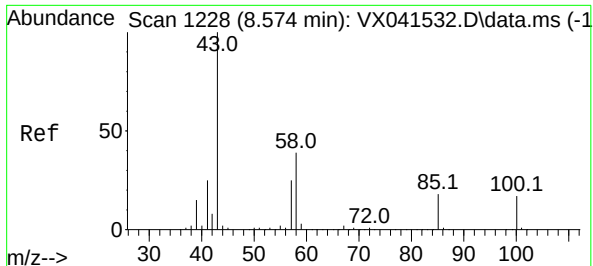
Ion Ratio Lower Upper

117 100

82 52.1 41.7 62.5

119 32.1 25.7 38.5

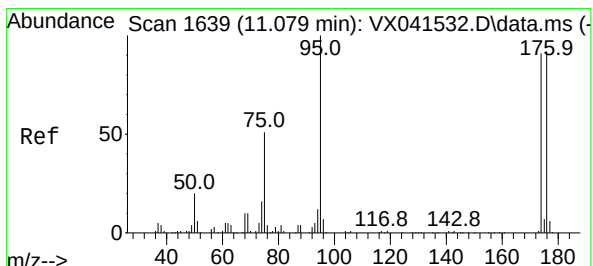
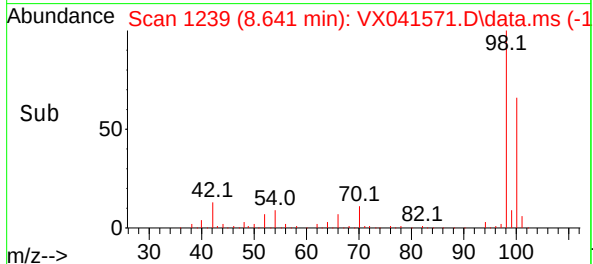
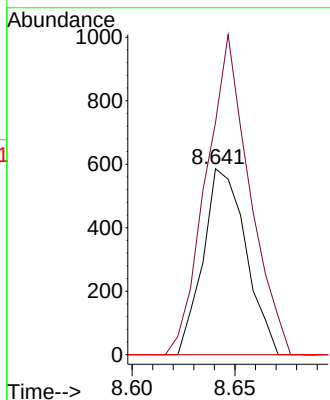
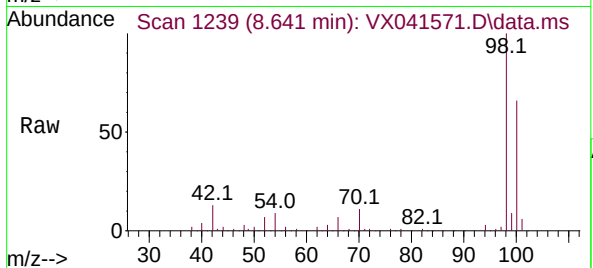




#58
4-Methyl-2-Pentanone
Concen: 0.328 ug/l
RT: 8.641 min Scan# 1228
Delta R.T. 0.067 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

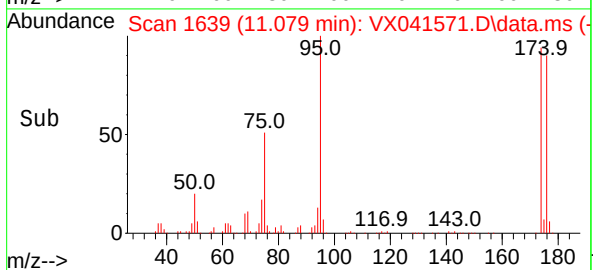
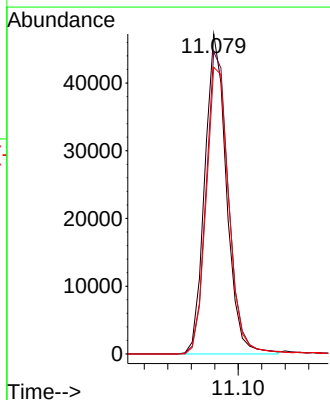
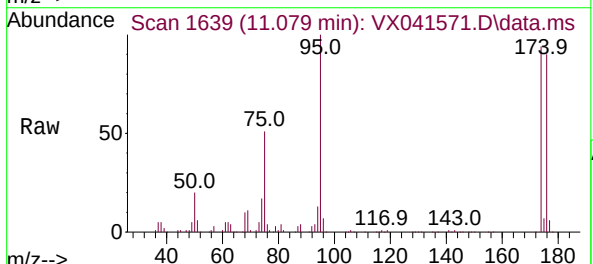
Instrument :
MSVOA_X
ClientSampleId :

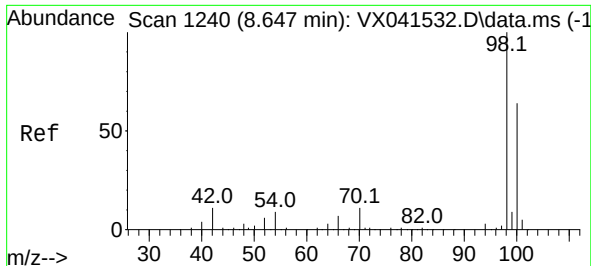
Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
58 175.2 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 27.324 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041571.D
Acq: 16 May 2024 18:10

Tgt Ion: 95 Resp: 60386
Ion Ratio Lower Upper
95 100
174 98.0 76.6 115.0
176 94.5 75.4 113.0





#63

Toluene-d8

Concen: 29.672 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX041571.D

Acq: 16 May 2024 18:10

Instrument :

MSVOA_X

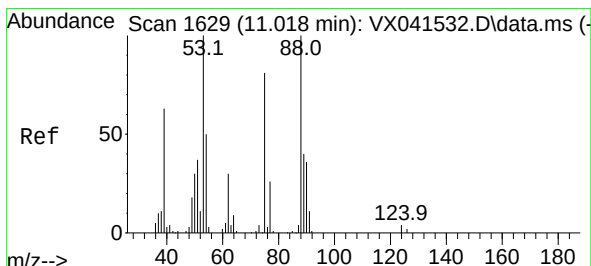
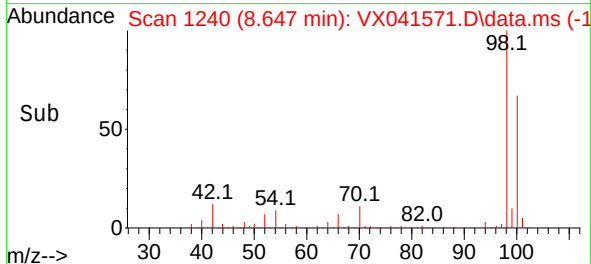
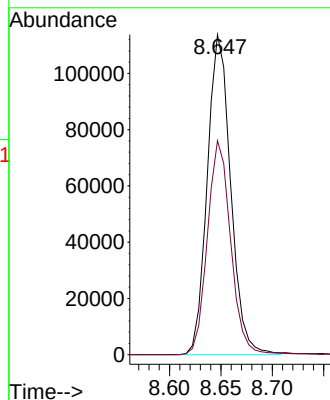
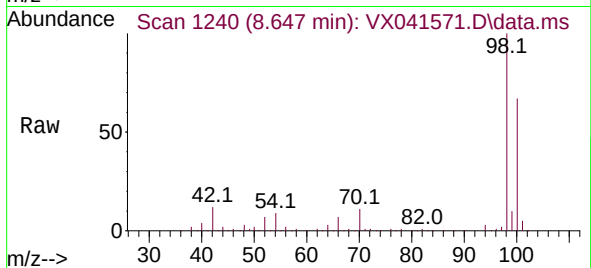
ClientSampleId :

Tgt Ion: 98 Resp: 180064

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 40.875 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041571.D

Acq: 16 May 2024 18:10

Tgt Ion: 75 Resp: 30966

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

