

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032719\
 Data File : VX008481.D
 Acq On : 27 Mar 2019 14:43
 Operator : JC/SP
 Sample : K2103-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB

Quant Time: Mar 28 02:05:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Mar 27 12:01:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	37569	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	211107	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	180097	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	93339	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	11.47	95	285	0.09	ug/l	0.34
Spiked Amount	30.000	Range	56 - 143	Recovery	=	0.30%#
63) Toluene-d8	8.71	98	264032	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

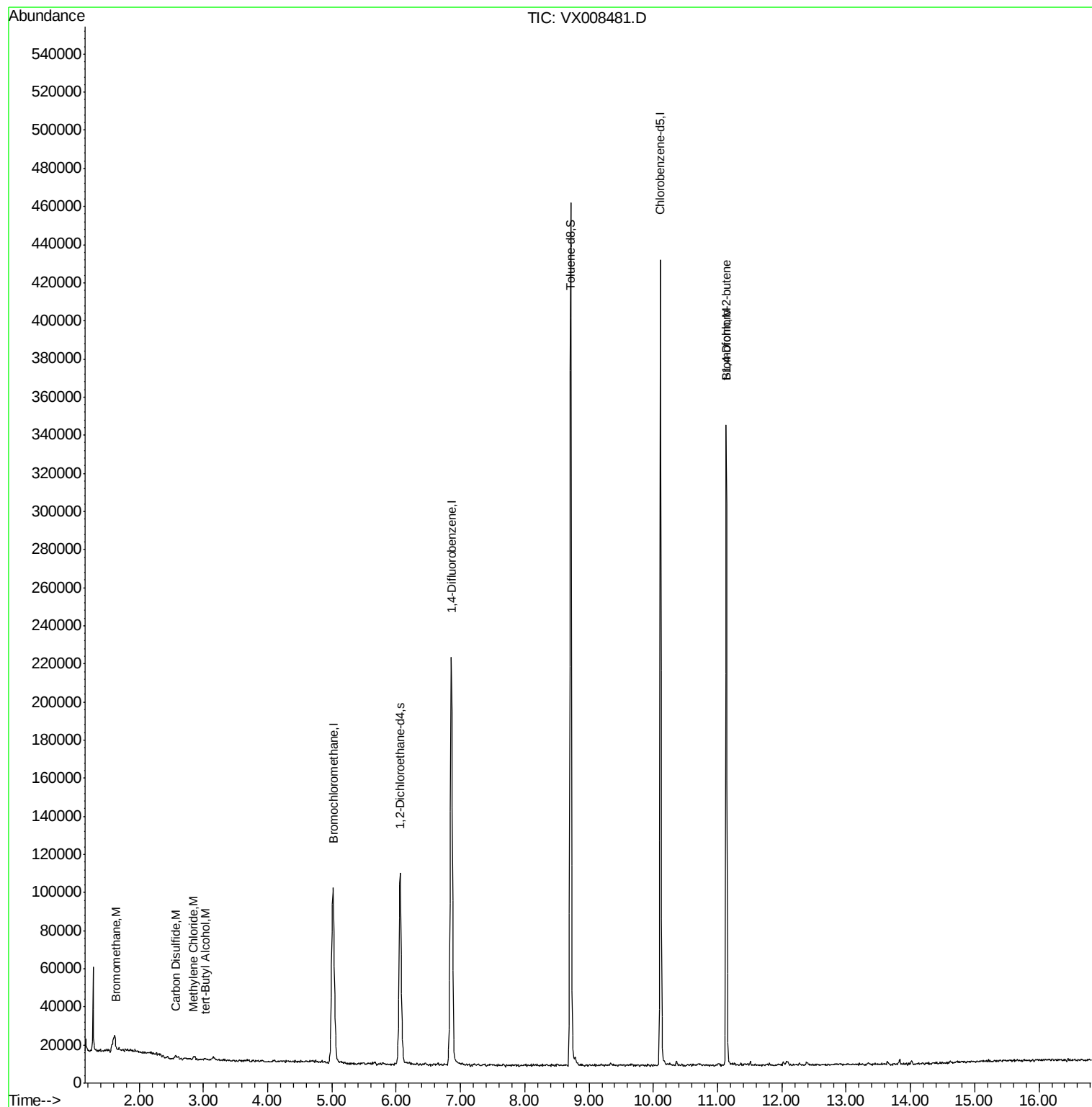
Target Compounds					Ovalue
5) Bromomethane	1.64	94	610	0.347 ug/l	91
16) Carbon Disulfide	2.57	76	2346	0.317 ug/l #	83
18) Methylene Chloride	2.85	84	655	0.230 ug/l	89
23) tert-Butyl Alcohol	3.03	59	242	0.336 ug/l #	100
56) Bromoform	11.14	173	748	0.394 ug/l #	1
77) t-1,4-Dichloro-2-butene	11.13	75	45107	32.681 ug/l #	5

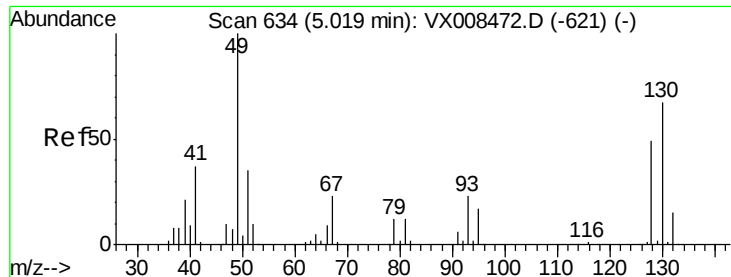
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032719\
Data File : VX008481.D
Acq On : 27 Mar 2019 14:43
Operator : JC/SP
Sample : K2103-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Mar 28 02:05:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X032719W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Mar 27 12:01:15 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX008481.D

Acq: 27 Mar 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

TB

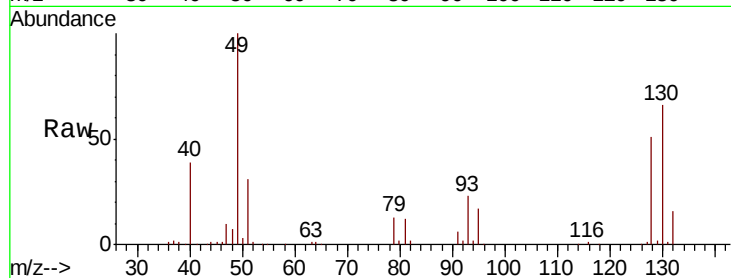
Tot Ion:128 Resp: 37569

Ion Ratio Lower Upper

128 100

49 200.6 0.0 350.8

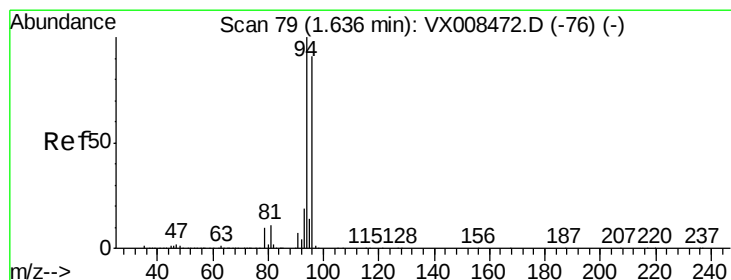
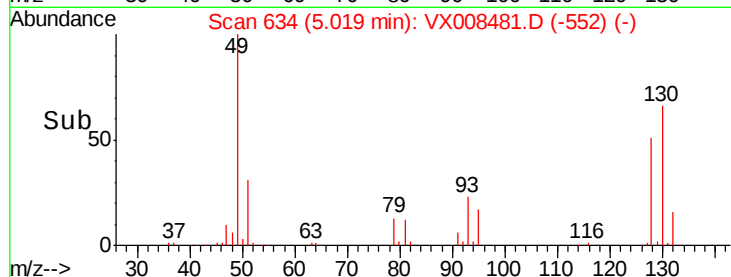
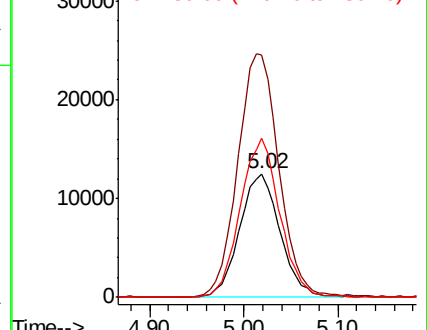
130 125.7 0.0 325.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.347 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008481.D

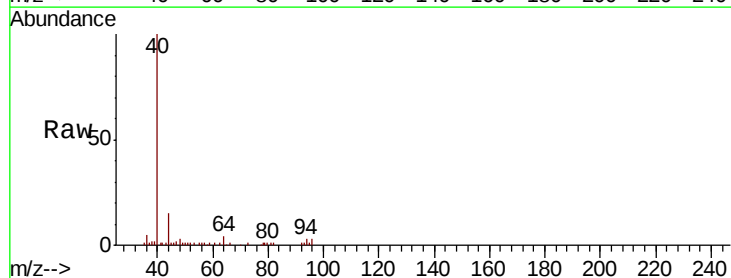
Acq: 27 Mar 2019 14:43

Tgt Ion: 94 Resp: 610

Ion Ratio Lower Upper

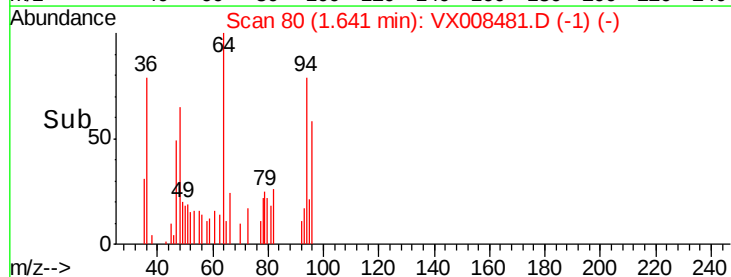
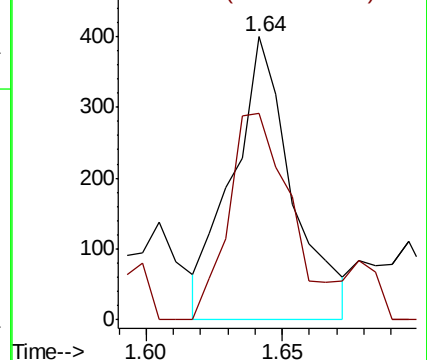
94 100

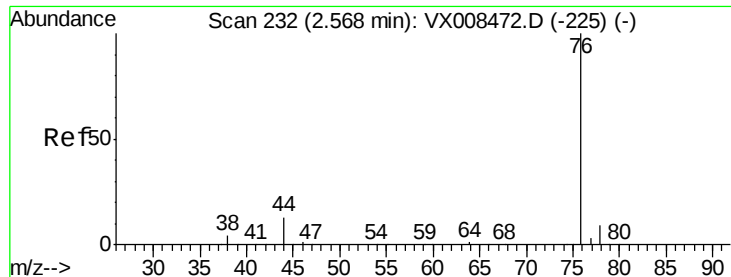
96 85.8 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VX0

Ion 96.00 (95.70 to 96.70): VX0

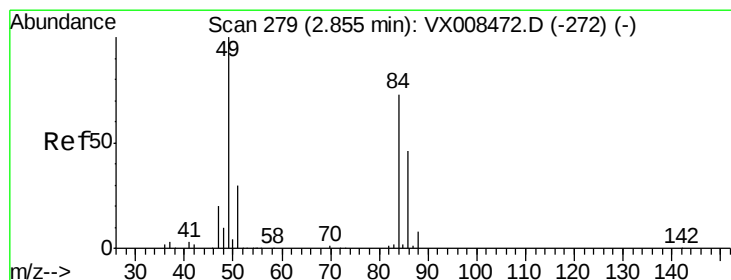
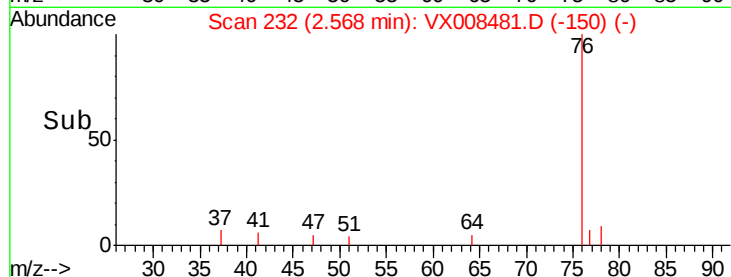
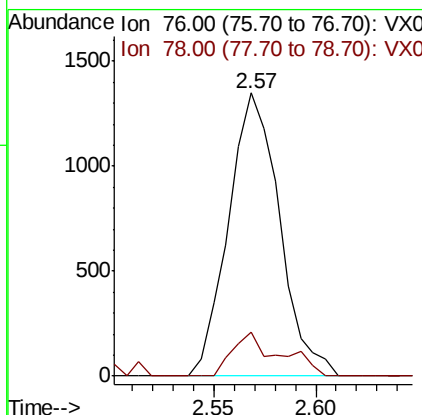
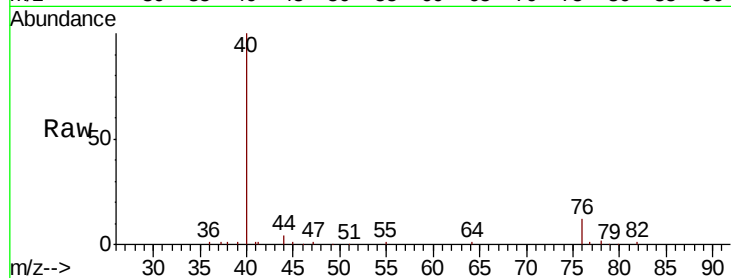




#16
Carbon Disulfide
Concen: 0.317 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX008481.D
Acq: 27 Mar 2019 14:43

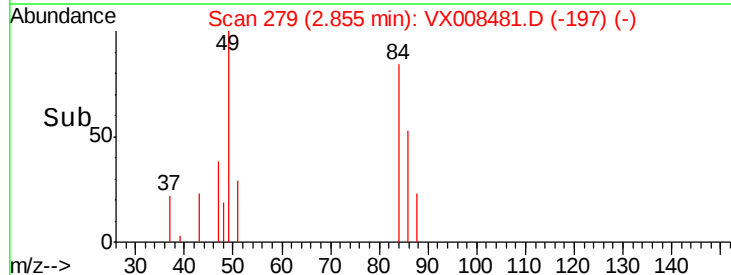
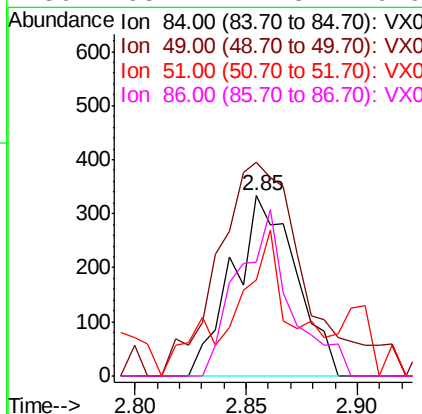
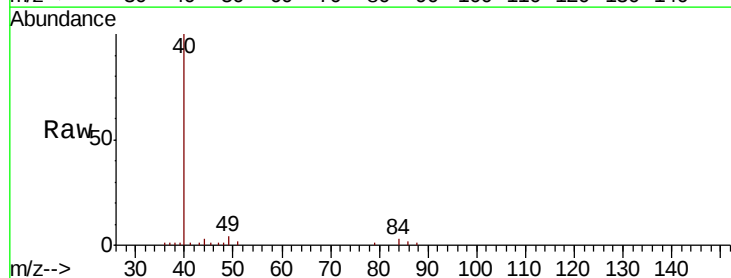
Instrument :
MSVOA_X
ClientSampled :
TB

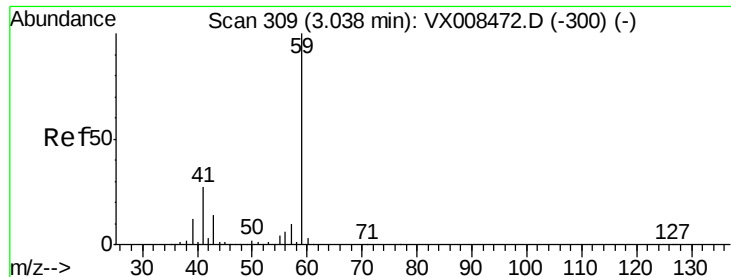
Tot Ion: 76 Resp: 2346
Ion Ratio Lower Upper
76 100
78 15.5 7.5 11.3#



#18
Methylene Chloride
Concen: 0.230 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX008481.D
Acq: 27 Mar 2019 14:43

Tgt Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 101.5 96.1 144.1
51 34.8 29.1 43.7
86 63.4 47.3 70.9



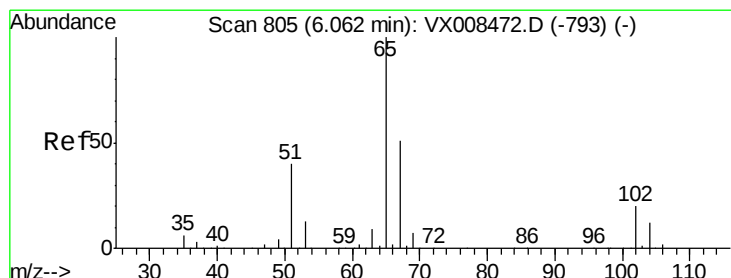
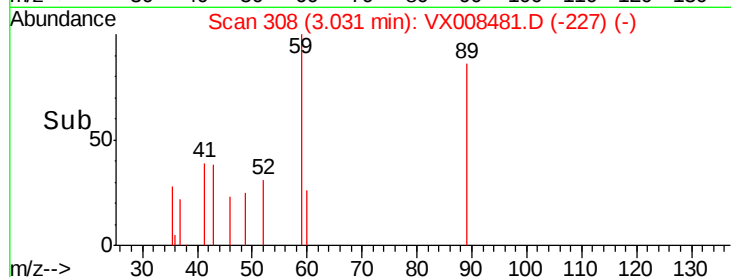
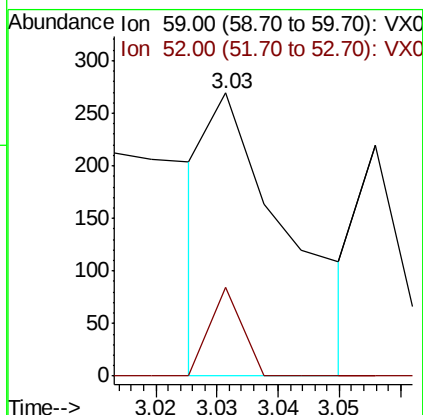
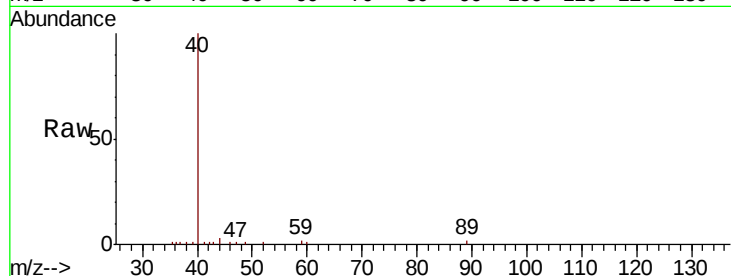


#23

tert-Butyl Alcohol
 Concen: 0.336 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX008481.D
 Acq: 27 Mar 2019 14:43

Instrument :
 MSVOA_X
 ClientSampled :
 TB

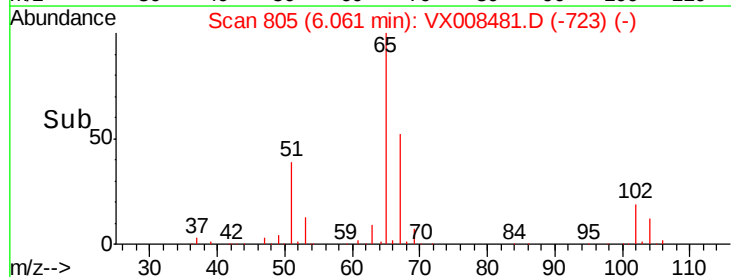
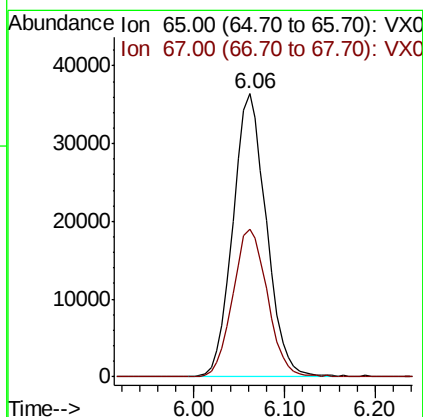
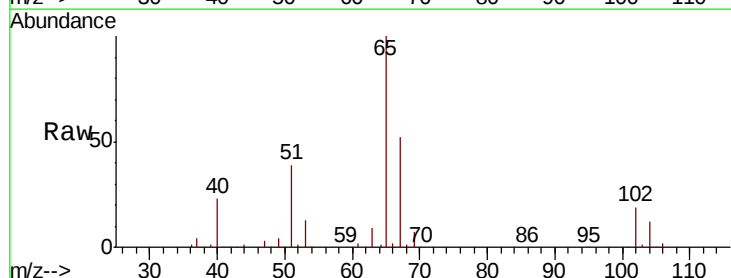
Tot Ion: 59 Resp: 242
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#

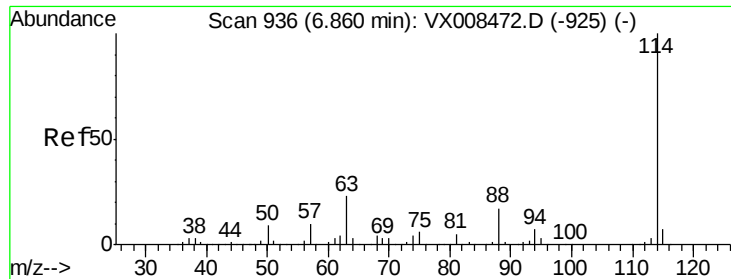


#27

1,2-Dichloroethane-d4
 Concen: 29.699 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008481.D
 Acq: 27 Mar 2019 14:43

Tgt Ion: 65 Resp: 93339
 Ion Ratio Lower Upper
 65 100
 67 53.8 42.9 64.3

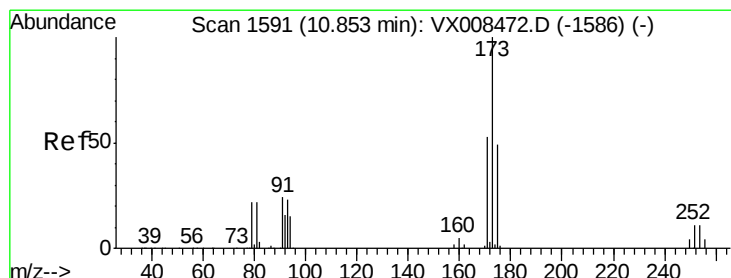
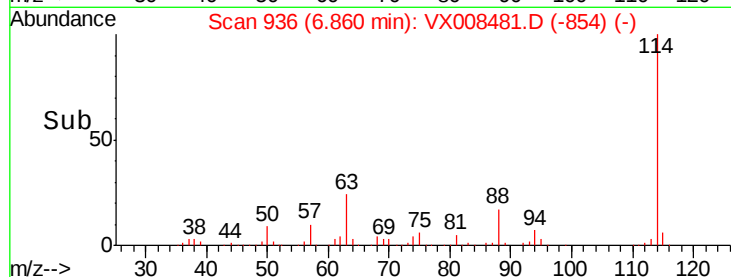
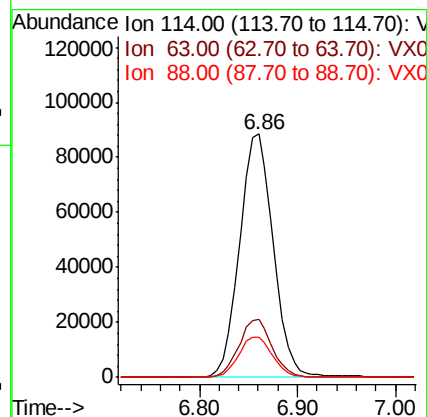
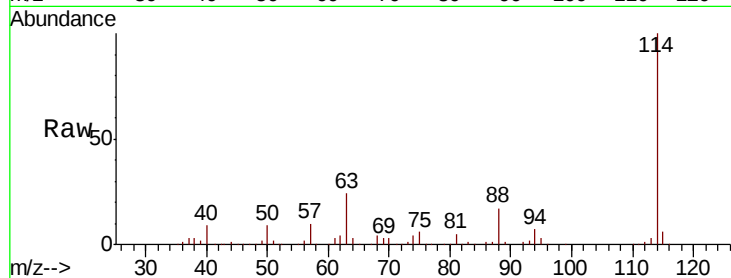




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008481.D
 Acq: 27 Mar 2019 14:43

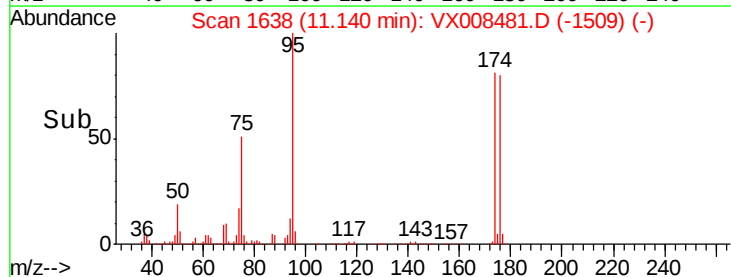
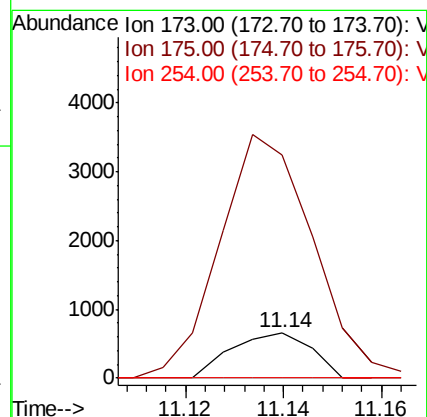
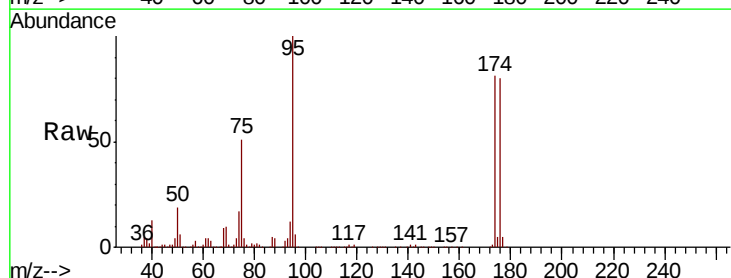
Instrument :
 MSVOA_X
 ClientSampleId :
 TB

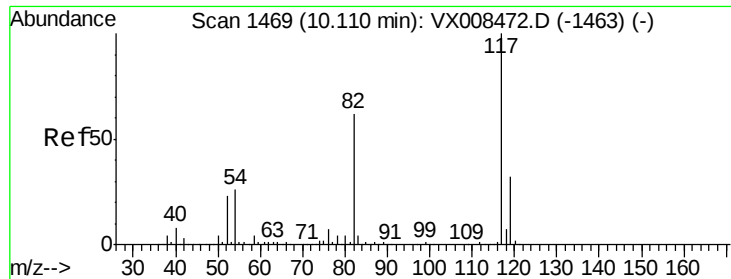
Tot Ion:114 Resp: 211107
 Ion Ratio Lower Upper
 114 100
 63 23.6 14.2 21.4#
 88 16.7 11.9 17.9



#56
 Bromoform
 Concen: 0.394 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.29 min
 Lab File: VX008481.D
 Acq: 27 Mar 2019 14:43

Tgt Ion:173 Resp: 748
 Ion Ratio Lower Upper
 173 100
 175 627.7 38.5 57.7#
 254 0.0 7.4 11.2#

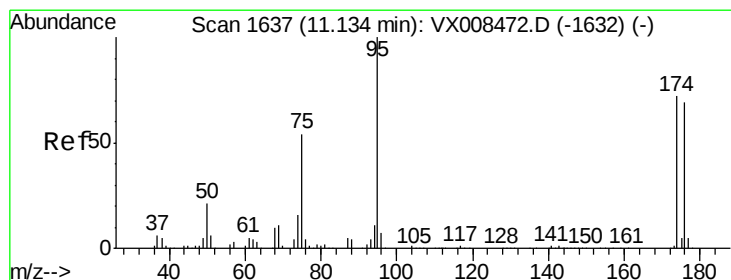
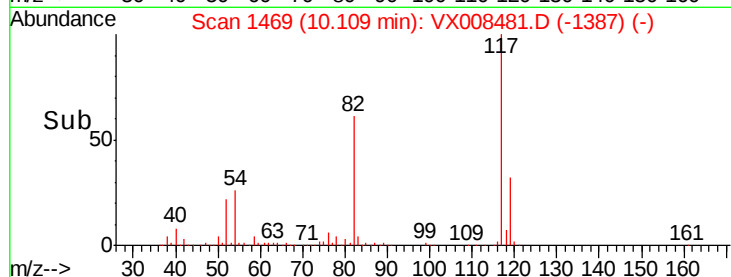
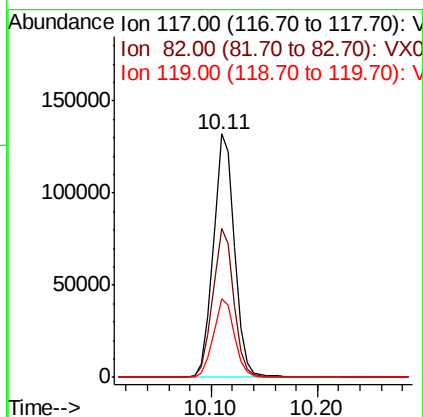
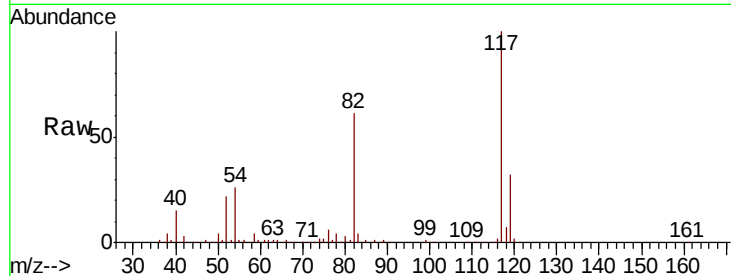




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008481.D
Acq: 27 Mar 2019 14:43

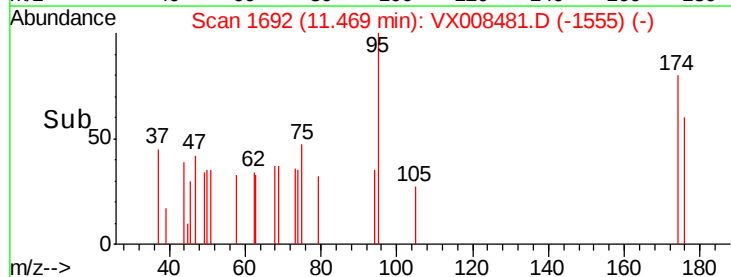
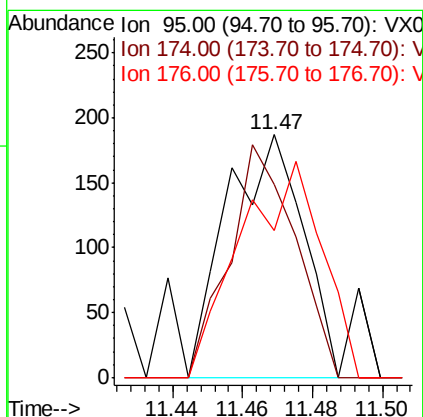
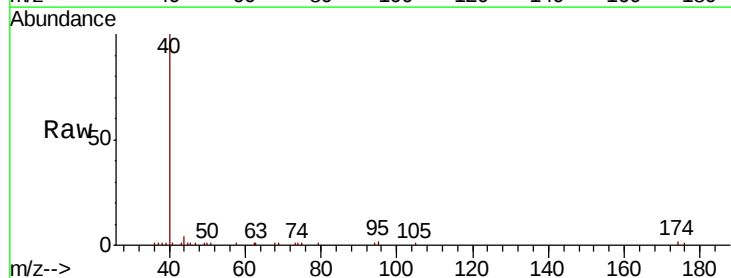
Instrument :
MSVOA_X
ClientSampleId :
TB

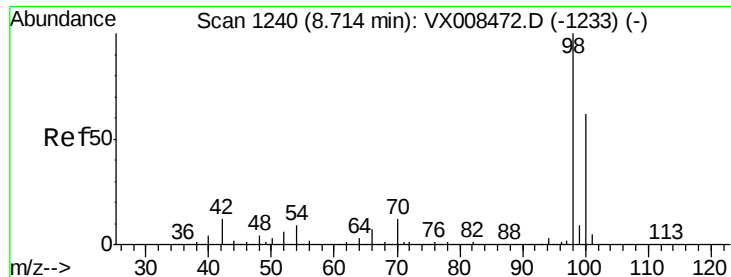
Tot Ion:117 Resp: 180097
Ion Ratio Lower Upper
117 100
82 60.8 40.4 60.6#
119 32.3 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 0.091 ug/l
RT: 11.47 min Scan# 1692
Delta R.T. 0.34 min
Lab File: VX008481.D
Acq: 27 Mar 2019 14:43

Tgt Ion: 95 Resp: 285
Ion Ratio Lower Upper
95 100
174 82.1 74.9 112.3
176 94.4 70.7 106.1





#63

Toluene-d8

Concen: 30.885 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008481.D

Acq: 27 Mar 2019 14:43

Instrument :

MSVOA_X

ClientSampleId :

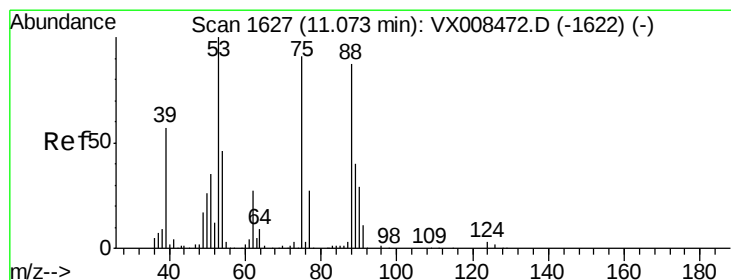
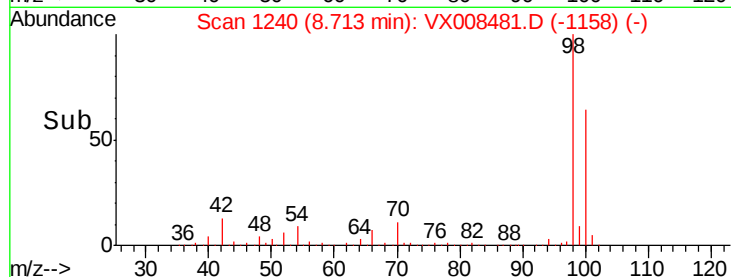
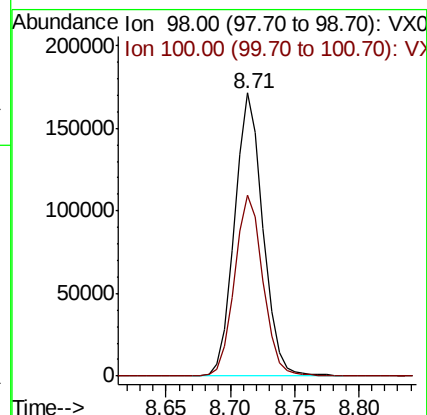
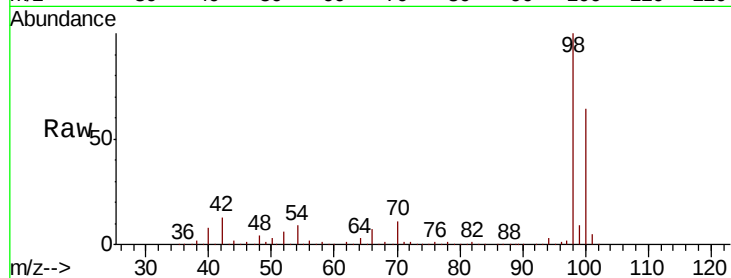
TB

Tot Ion: 98 Resp: 264032

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



#77

t-1,4-Dichloro-2-butene

Concen: 32.681 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008481.D

Acq: 27 Mar 2019 14:43

Tgt Ion: 75 Resp: 45107

Ion Ratio Lower Upper

75 100

53 0.0 55.5 166.7#

89 0.0 24.4 73.2#

