

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020819\
 Data File : VX007451.D
 Acq On : 08 Feb 2019 19:15
 Operator : JC/SP
 Sample : K1441-02DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 08 23:01:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jan 28 10:35:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.02	128	76820	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	401579	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	354985	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	151918	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	11.13	95	153950	28.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.67%
63) Toluene-d8	8.71	98	468586	29.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.63%

Target Compounds

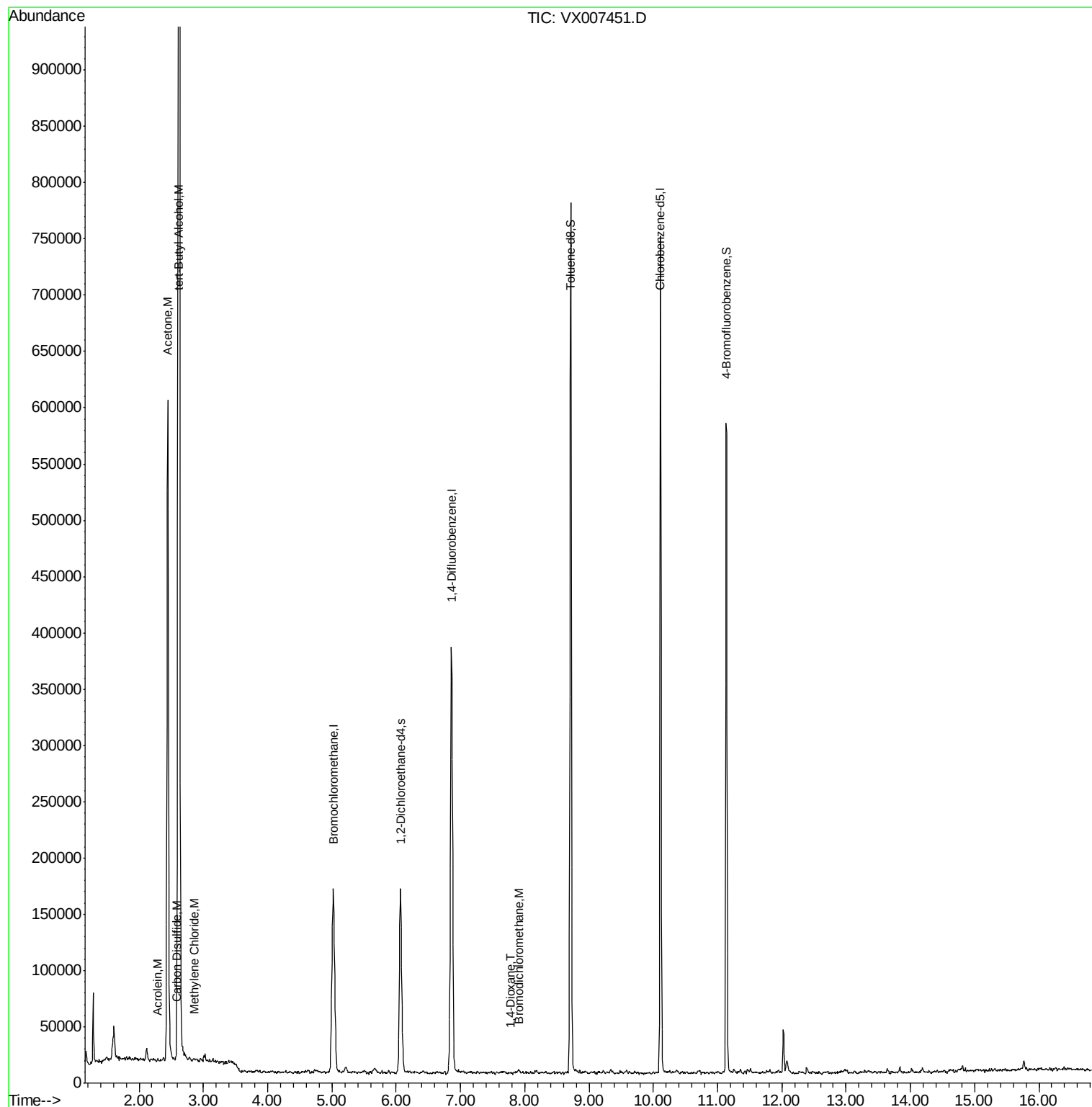
					Ovalue	
13) Acrolein	2.28	56	337	0.689	ug/l	91
15) Acetone	2.45	58	194497	270.679	ug/l	99
16) Carbon Disulfide	2.57	76	2658	0.278	ug/l #	82
18) Methylene Chloride	2.85	84	1235	0.270	ug/l #	76
23) tert-Butyl Alcohol	2.62	59	75555	71.119	ug/l	100
41) Bromodichloromethane	7.90	83	1616	0.316	ug/l #	81
45) 1,4-Dioxane	7.79	88	204	1.847	ug/l	96

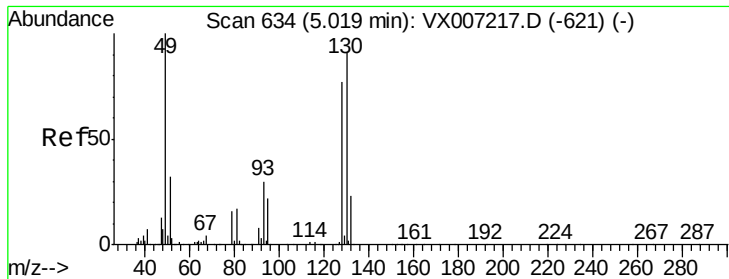
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X012519W.M
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QLast Update : Mon Jan 28 10:35:22 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

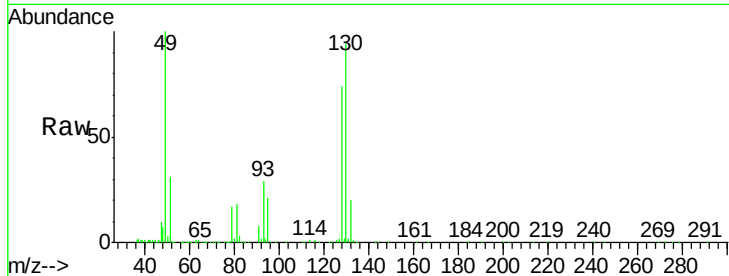
Tot Ion:128 Resp: 76820

Ion Ratio Lower Upper

128 100

49 138.0 0.0 345.5

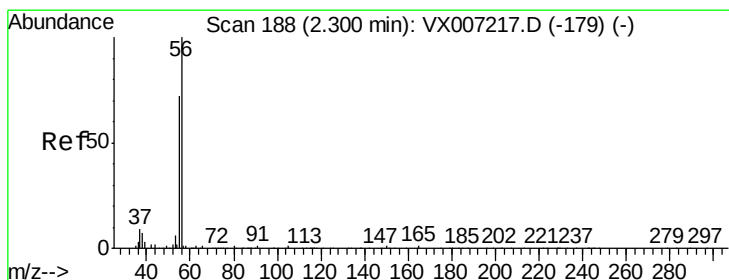
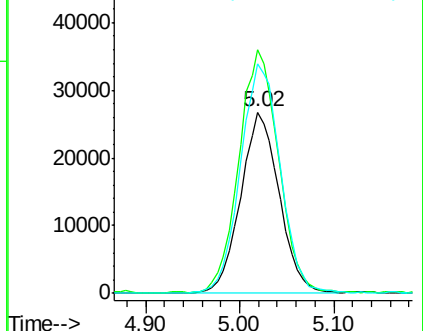
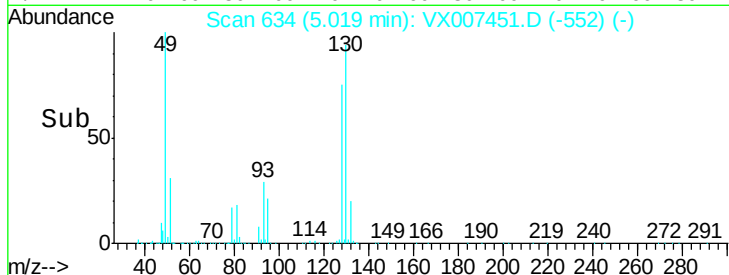
130 130.8 0.0 320.0



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



#13

Acrolein

Concen: 0.689 ug/l

RT: 2.28 min Scan# 184

Delta R.T. -0.02 min

Lab File: VX007451.D

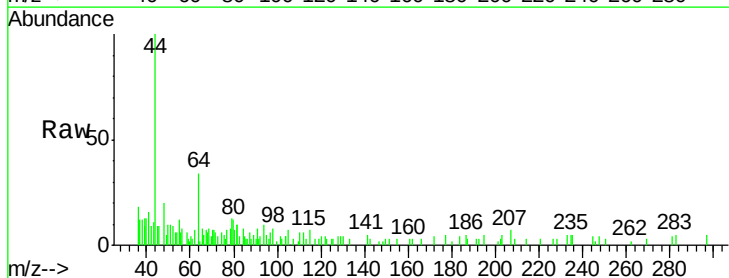
Acq: 08 Feb 2019 19:15

Tgt Ion: 56 Resp: 337

Ion Ratio Lower Upper

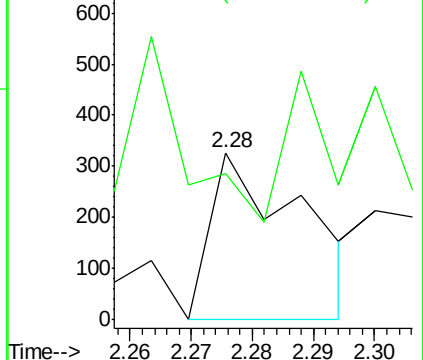
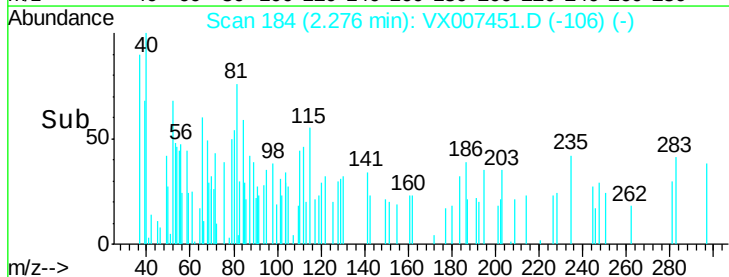
56 100

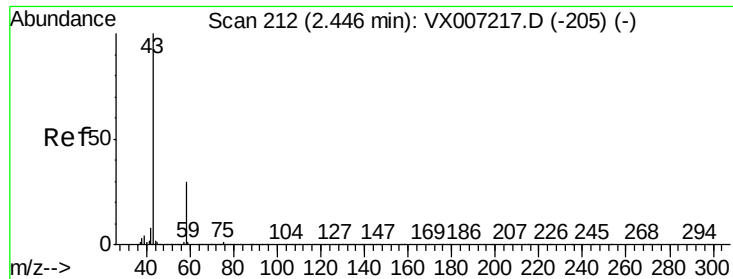
55 65.6 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 270.679 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

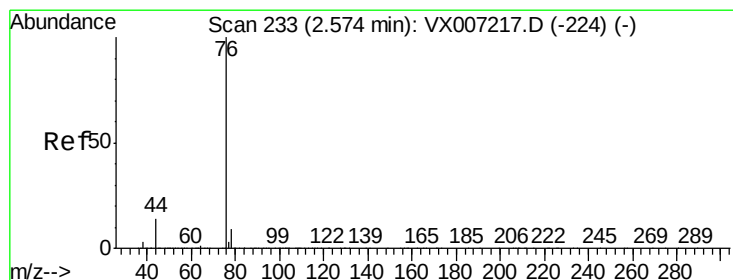
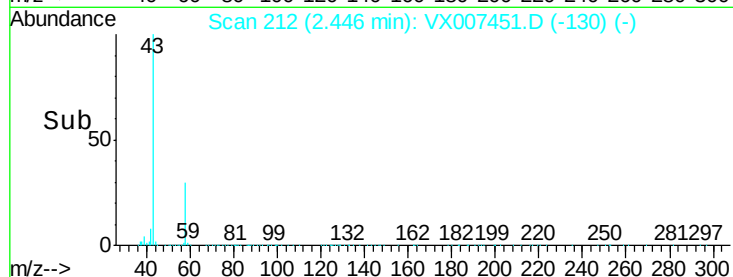
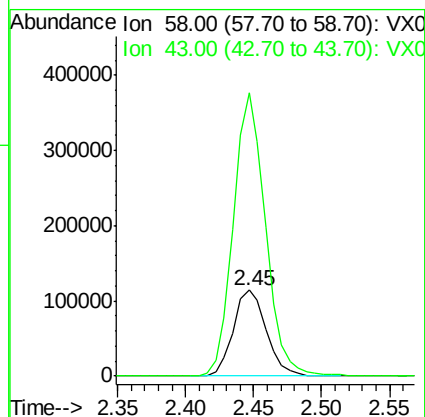
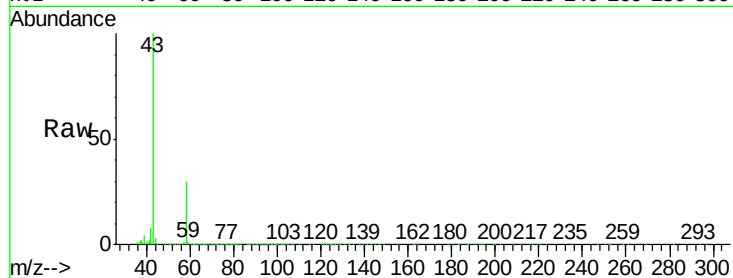
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 58 Resp: 194497

Ion Ratio Lower Upper

58 100

43 329.7 265.9 398.9



#16

Carbon Disulfide

Concen: 0.278 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007451.D

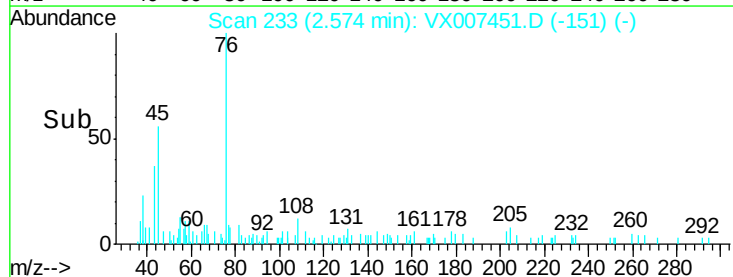
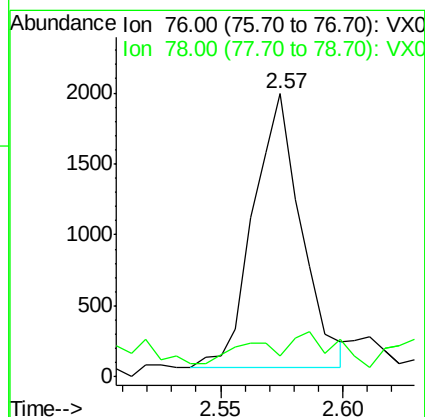
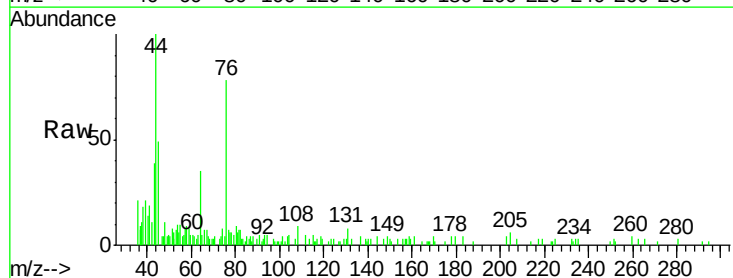
Acq: 08 Feb 2019 19:15

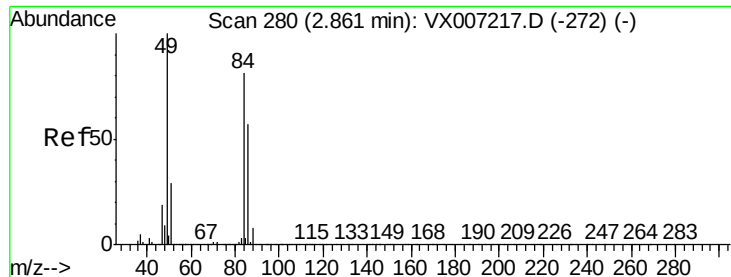
Tgt Ion: 76 Resp: 2658

Ion Ratio Lower Upper

76 100

78 3.0 7.7 11.5#

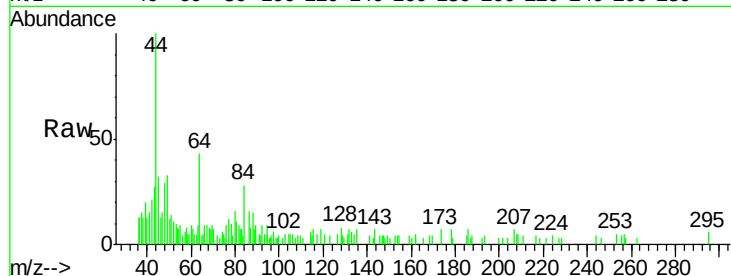




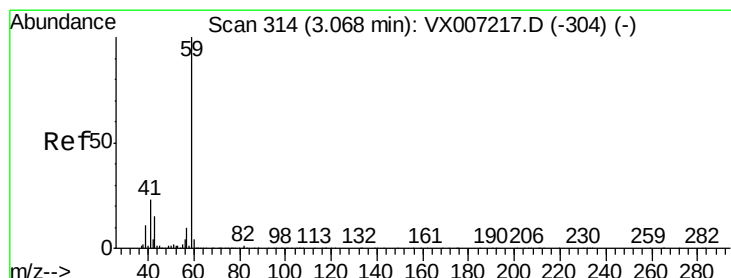
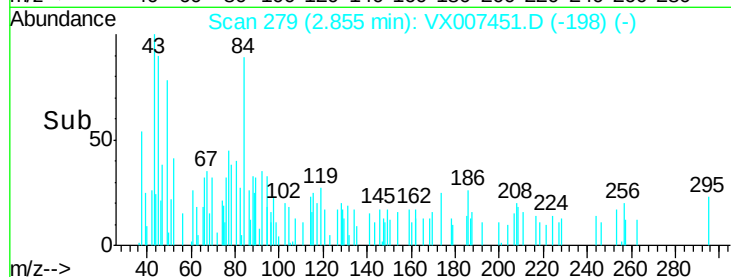
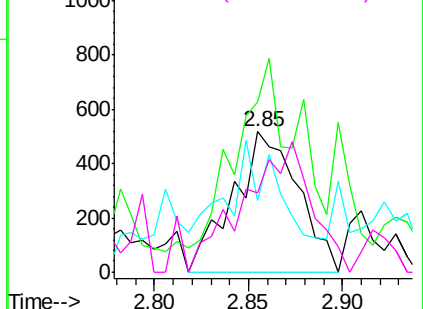
#18
Methvlene Chloride
Concen: 0.270 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007451.D
Acq: 08 Feb 2019 19:15

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	84	Resp:	1235
Ion	Ratio	Lower	Upper
84	100		
49	103.5	98.4	147.6
51	0.0	28.9	43.3#
86	56.4	56.1	84.1

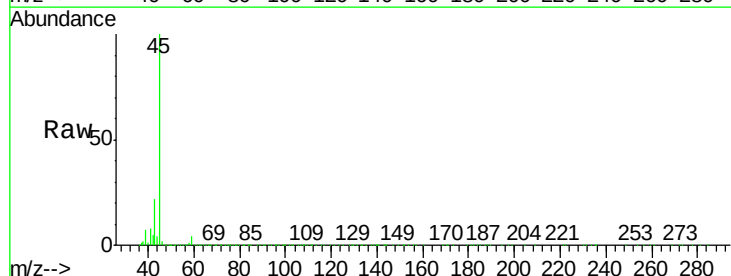


Abundance Ion 84.00 (83.70 to 84.70): VX0
Ion 49.00 (48.70 to 49.70): VX0
Ion 51.00 (50.70 to 51.70): VX0
Ion 86.00 (85.70 to 86.70): VX0

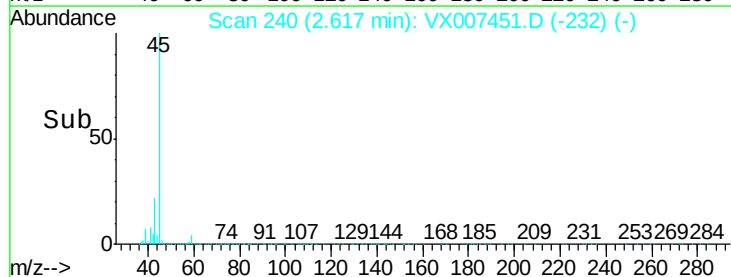
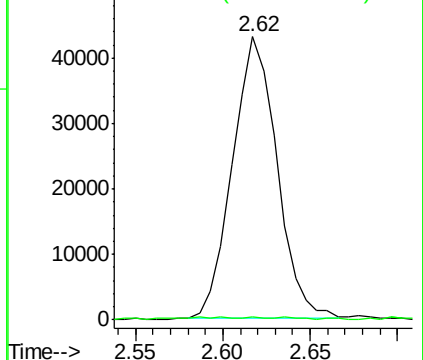


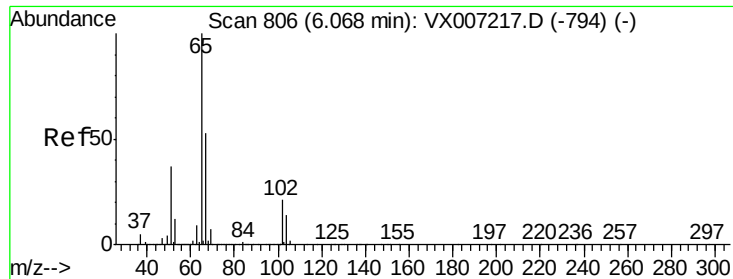
#23
tert-Butyl Alcohol
Concen: 71.119 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.45 min
Lab File: VX007451.D
Acq: 08 Feb 2019 19:15

Tgt Ion:	59	Resp:	75555
Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.2	0.2



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 52.00 (51.70 to 52.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.127 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

Instrument :

MSVOA_X

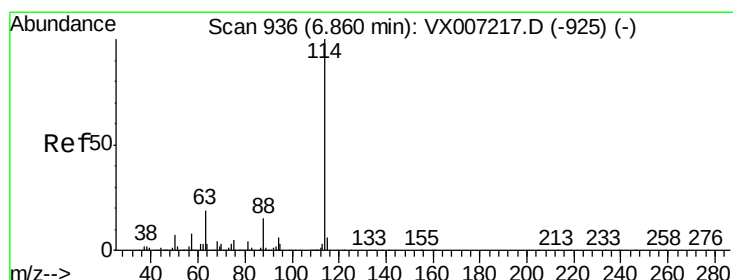
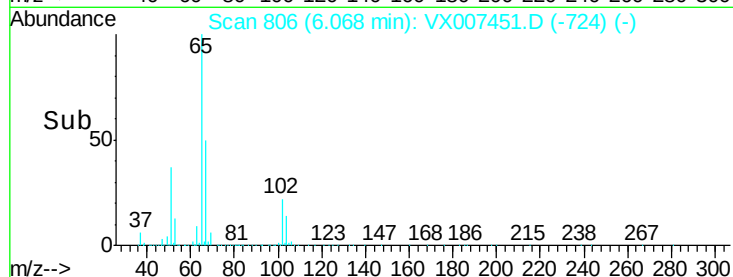
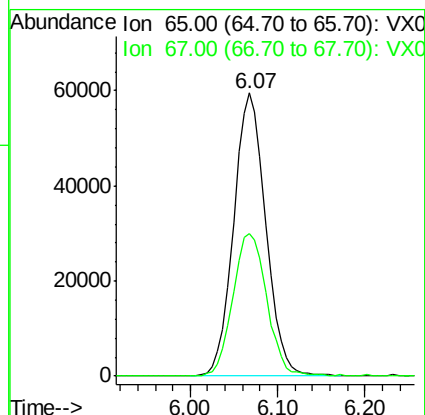
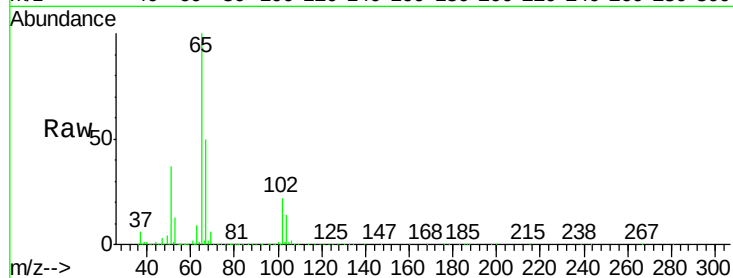
ClientSampleId :

Tot Ion: 65 Resp: 151918

Ion Ratio Lower Upper

65 100

67 53.1 42.0 63.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

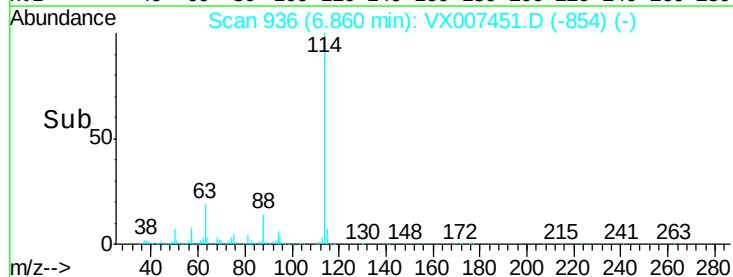
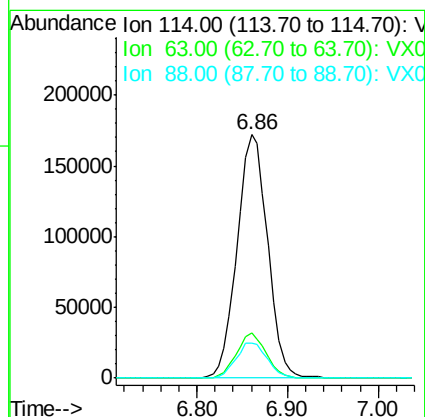
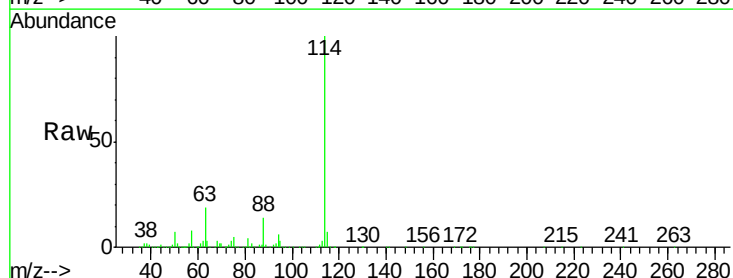
Tgt Ion: 114 Resp: 401579

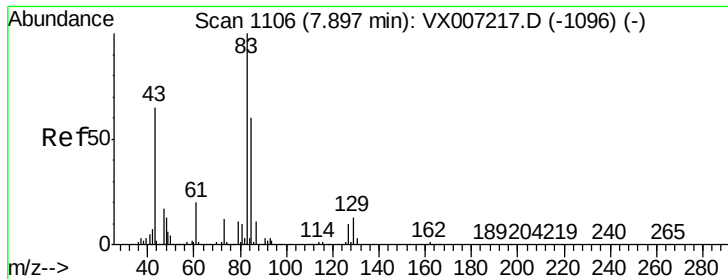
Ion Ratio Lower Upper

114 100

63 18.2 14.6 21.8

88 14.9 11.8 17.6





#41

Bromodichloromethane

Concen: 0.316 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

Instrument :

MSVOA_X

ClientSampled :

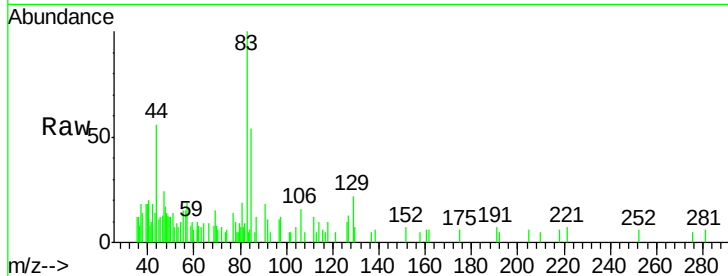
Tot Ion: 83 Resp: 1616

Ion Ratio Lower Upper

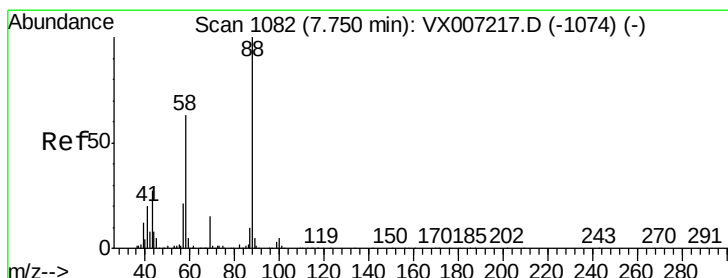
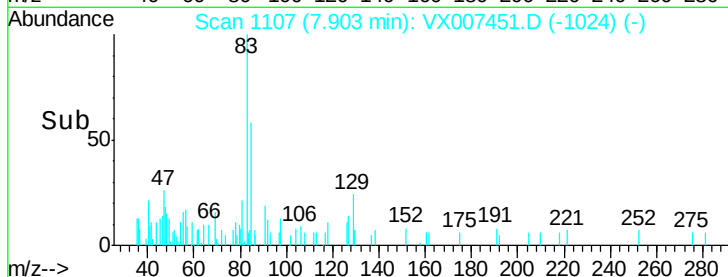
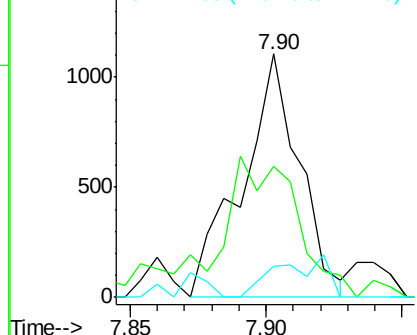
83 100

85 44.4 48.2 72.2#

127 12.8 8.3 12.5#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 85.00 (84.70 to 85.70): VX0
Ion 127.00 (126.70 to 127.70): V



#45

1,4-Dioxane

Concen: 1.847 ug/l

RT: 7.79 min Scan# 1088

Delta R.T. 0.04 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

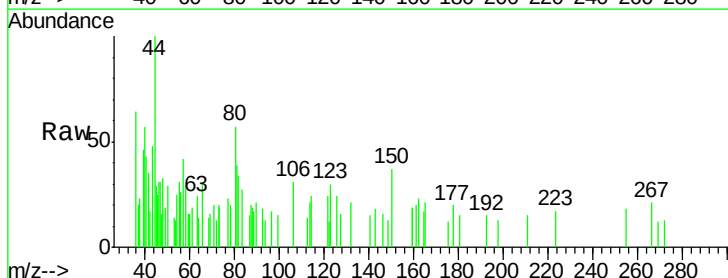
Tgt Ion: 88 Resp: 204

Ion Ratio Lower Upper

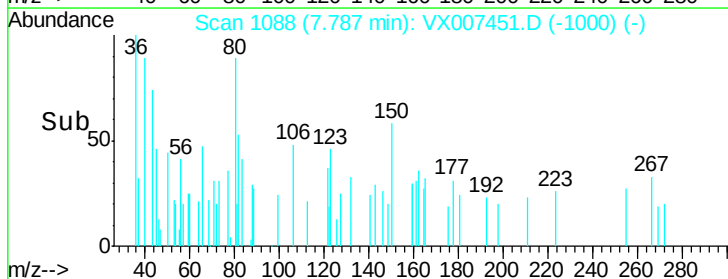
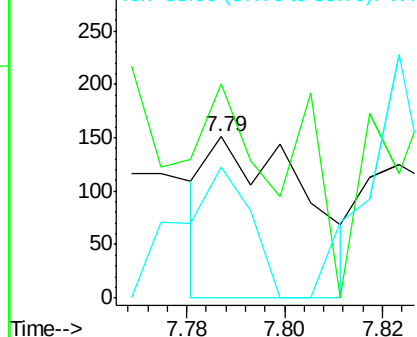
88 100

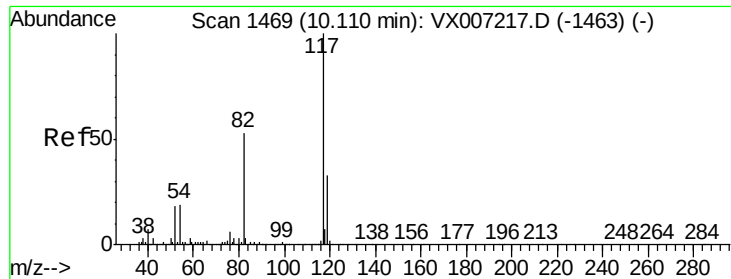
43 31.4 23.5 35.3

58 61.8 51.6 77.4



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

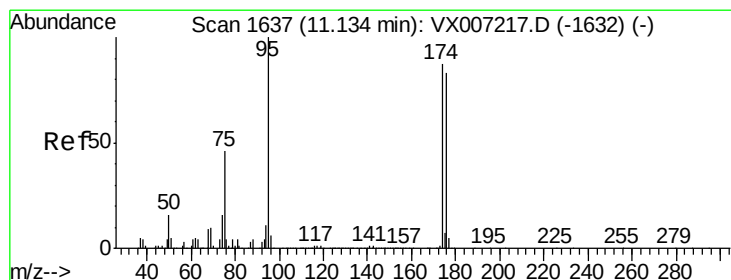
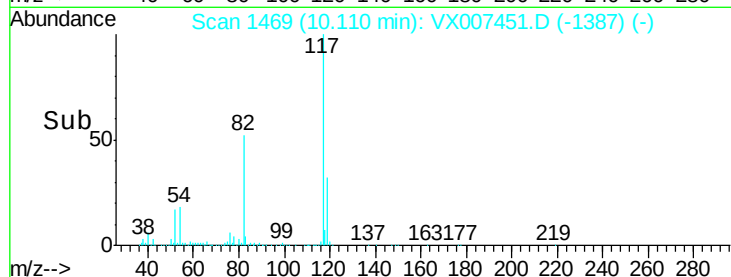
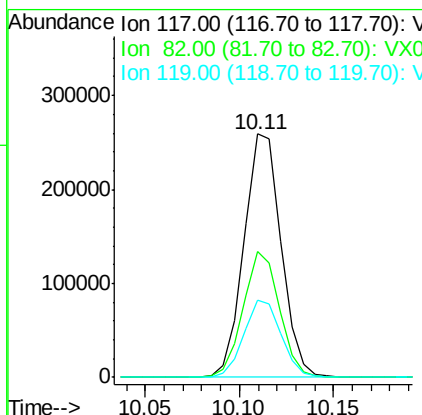
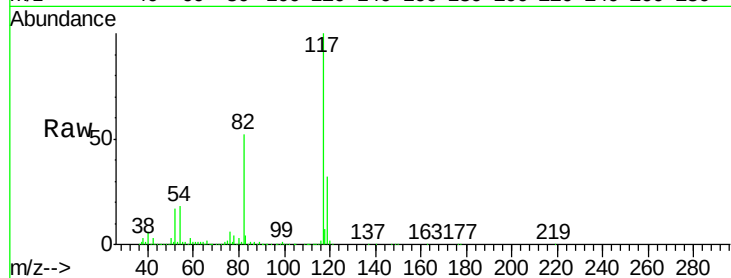




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007451.D
Acq: 08 Feb 2019 19:15

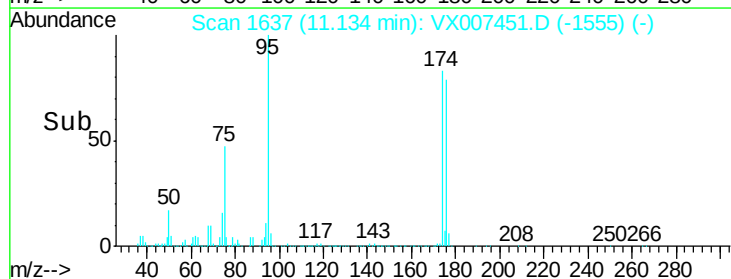
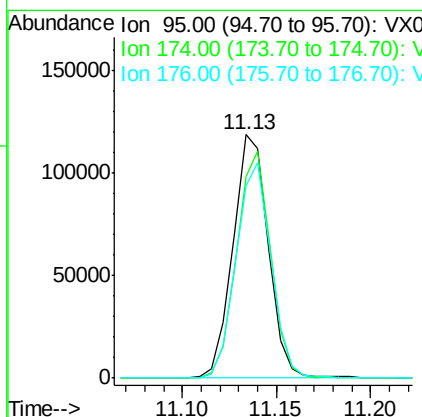
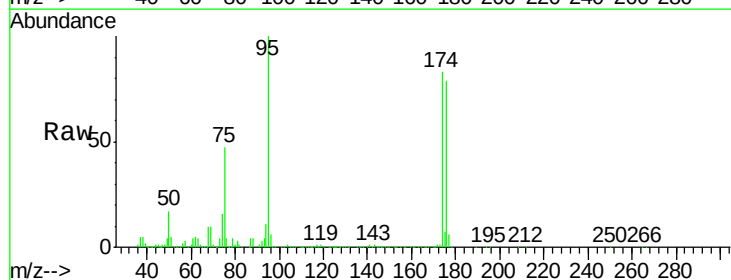
Instrument :
MSVOA_X
ClientSampleId :

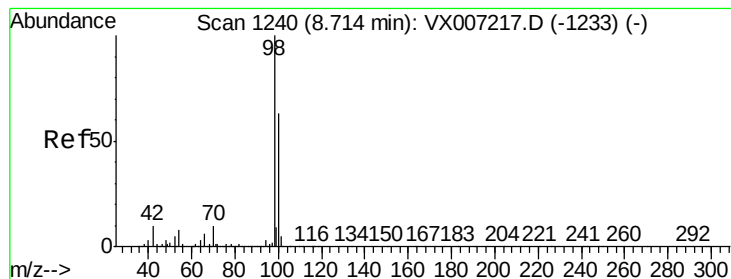
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.6	41.4	62.0
119	31.7	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 28.098 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007451.D
Acq: 08 Feb 2019 19:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	74.8	112.2
176	88.6	72.5	108.7





#63

Toluene-d8

Concen: 29.285 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007451.D

Acq: 08 Feb 2019 19:15

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 98 Resp: 468586

Ion Ratio Lower Upper

98 100

100 63.3 49.9 74.9

