

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007284.D
 Acq On : 29 Jan 2019 13:29
 Operator : JC/SP
 Sample : K1260-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 30 00:55:35 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	73854	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	394581	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	350985	30.00	ug/l	0.00

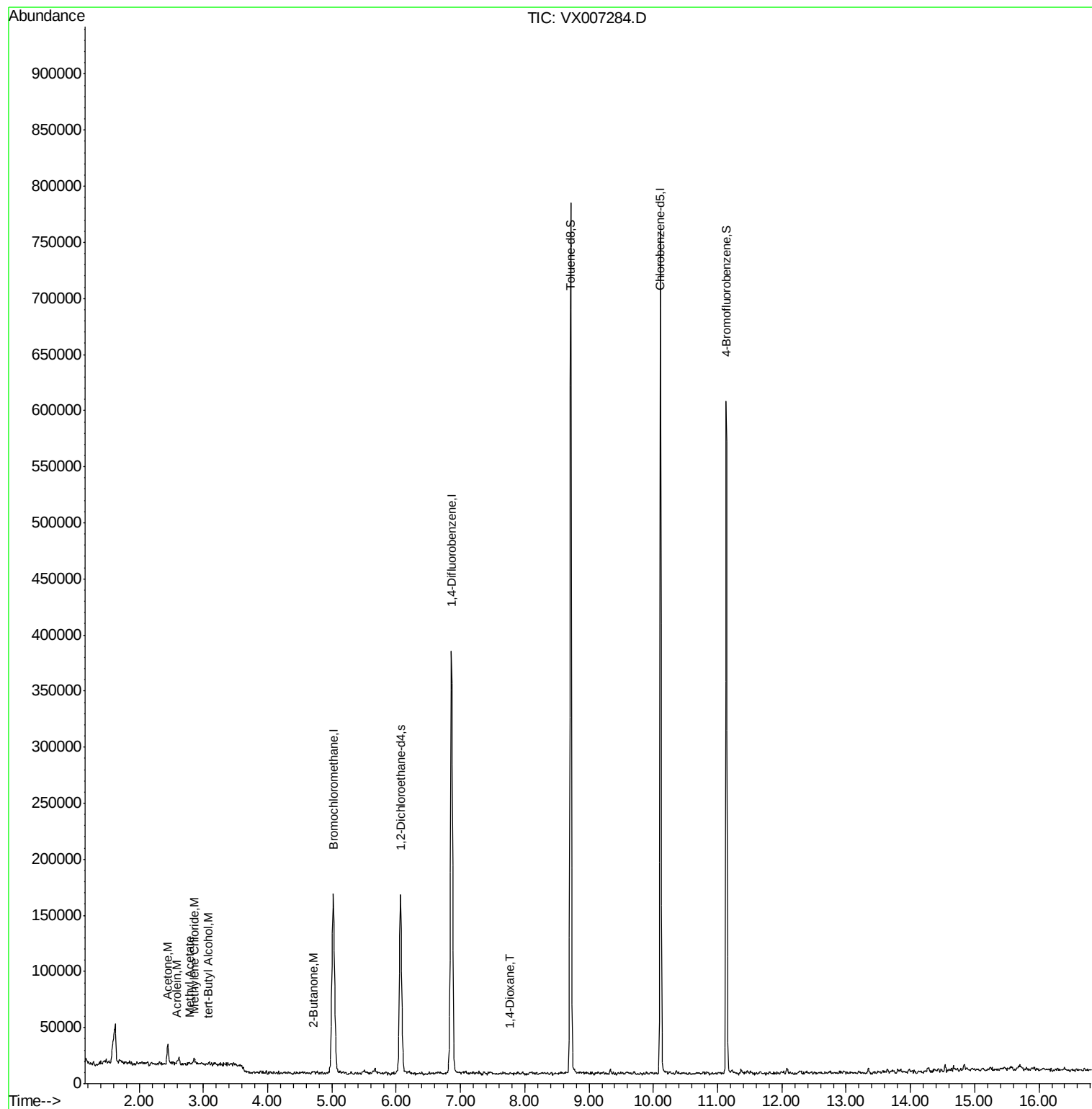
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	147300	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	11.13	95	151632	27.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.30%
63) Toluene-d8	8.71	98	460022	29.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.93%

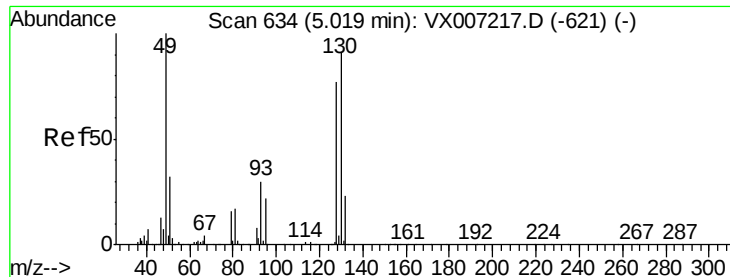
Target Compounds					Ovalue
12) Methyl Acetate	2.78	43	1810	0.279 ug/l	93
13) Acrolein	2.59	56	228	0.485 ug/l	88
15) Acetone	2.45	58	6727	9.738 ug/l	79
18) Methylene Chloride	2.85	84	2787	0.634 ug/l #	74
23) tert-Butyl Alcohol	3.07	59	444	0.435 ug/l #	79
30) 2-Butanone	4.70	43	1026	0.334 ug/l #	43
45) 1,4-Dioxane	7.77	88	57	0.525 ug/l #	1

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

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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: VX007284.D

Acq: 29 Jan 2019 13:29

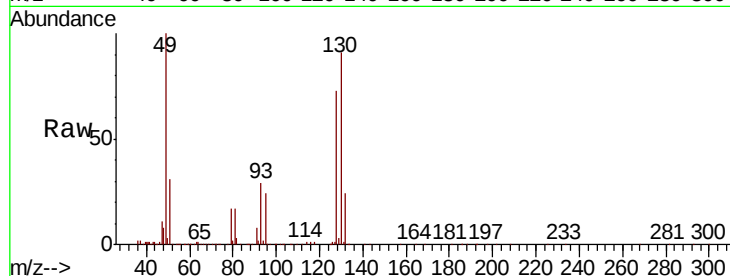
Tot Ion:128 Resp: 73854

Ion Ratio Lower Upper

128 100

49 136.9 0.0 345.5

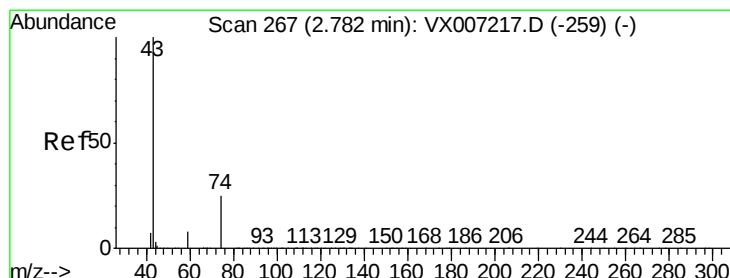
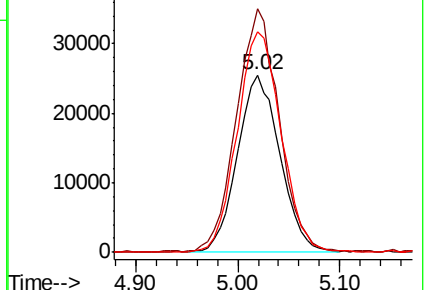
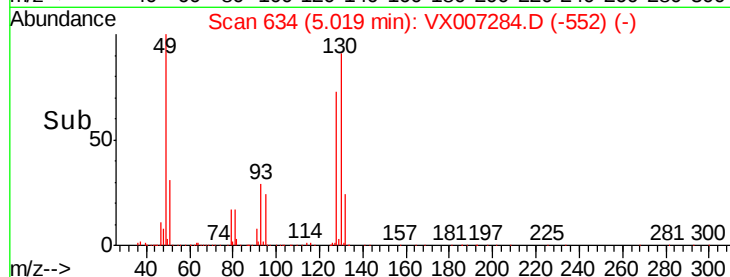
130 128.5 0.0 320.0



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



#12

Methyl Acetate

Concen: 0.279 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX007284.D

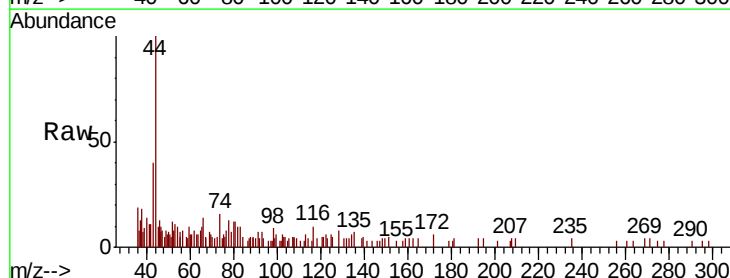
Acq: 29 Jan 2019 13:29

Tgt Ion: 43 Resp: 1810

Ion Ratio Lower Upper

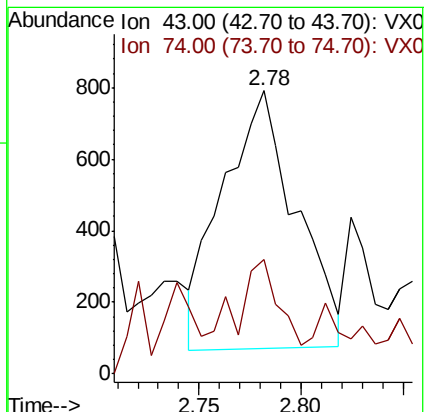
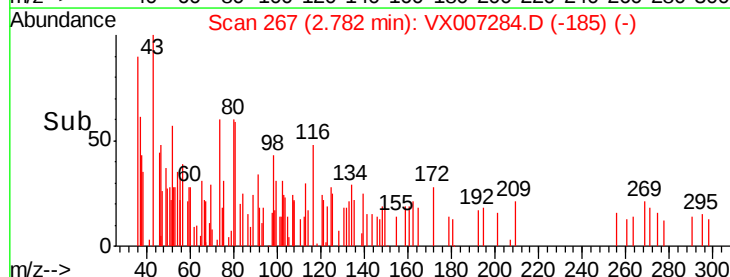
43 100

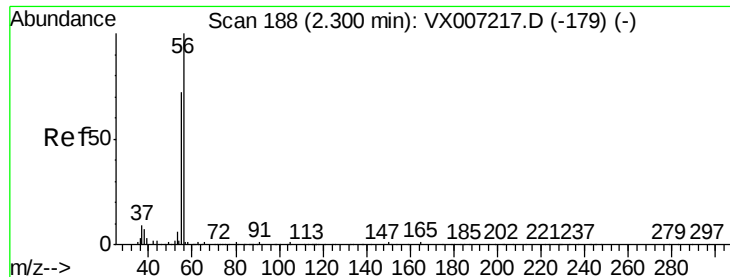
74 28.3 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 0.485 ug/l

RT: 2.59 min Scan# 235

Delta R.T. 0.29 min

Lab File: VX007284.D

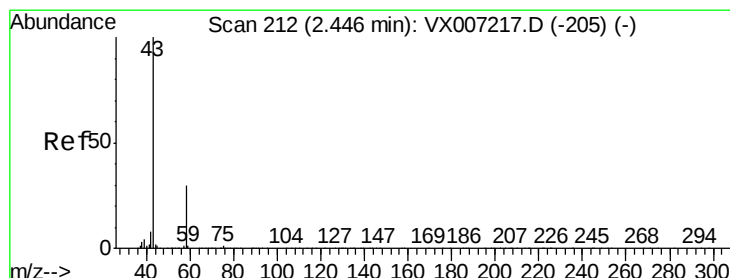
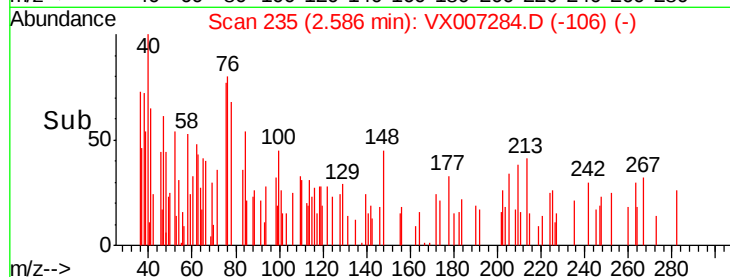
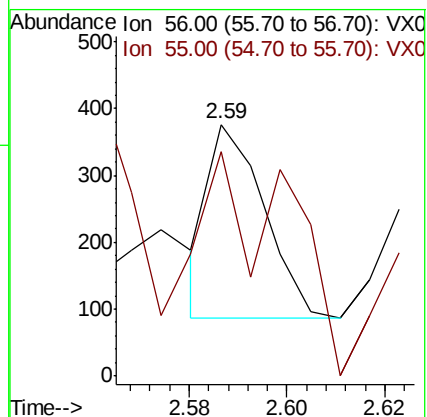
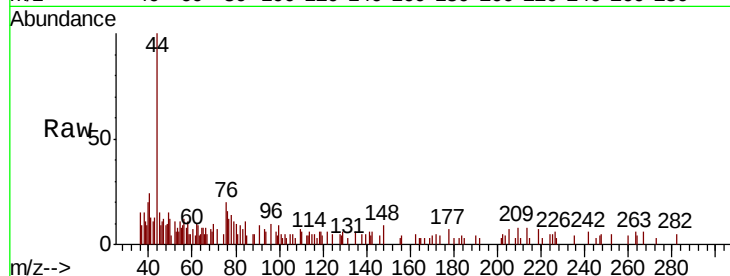
Acq: 29 Jan 2019 13:29

Tot Ion: 56 Resp: 228

Ion Ratio Lower Upper

56 100

55 63.2 58.6 87.8



#15

Acetone

Concen: 9.738 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007284.D

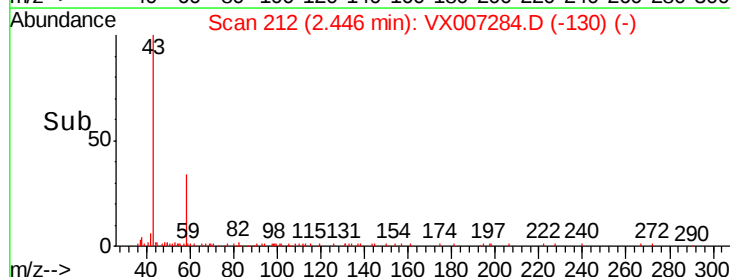
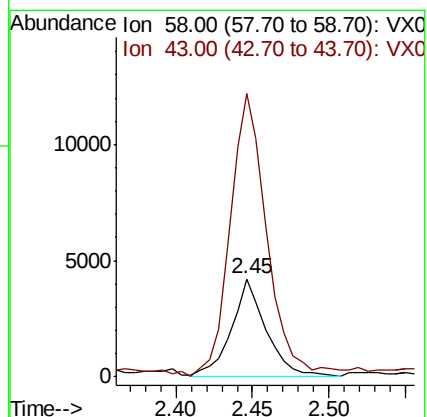
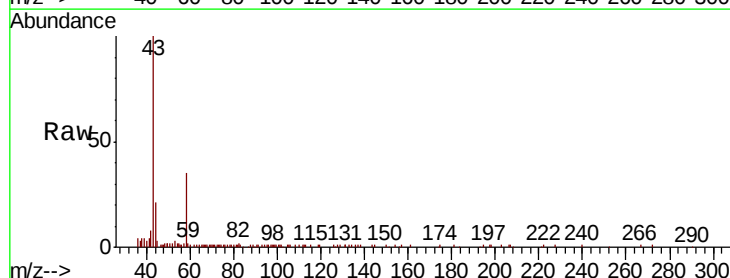
Acq: 29 Jan 2019 13:29

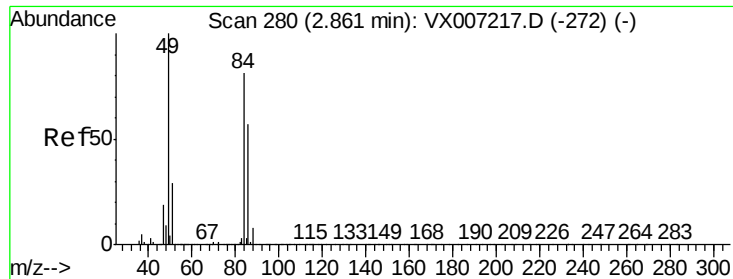
Tgt Ion: 58 Resp: 6727

Ion Ratio Lower Upper

58 100

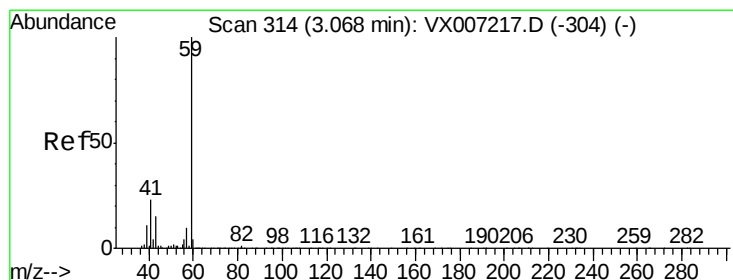
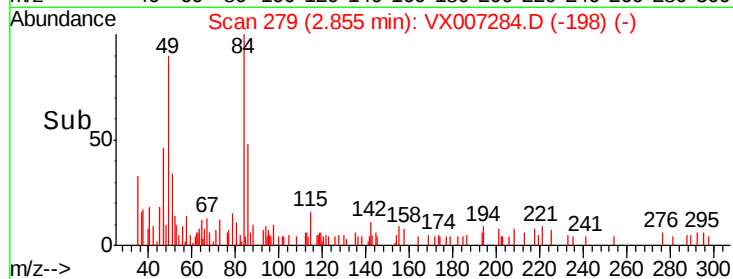
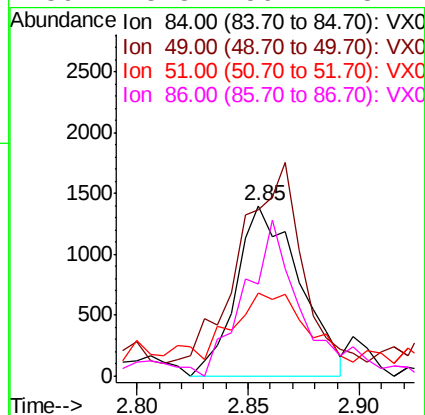
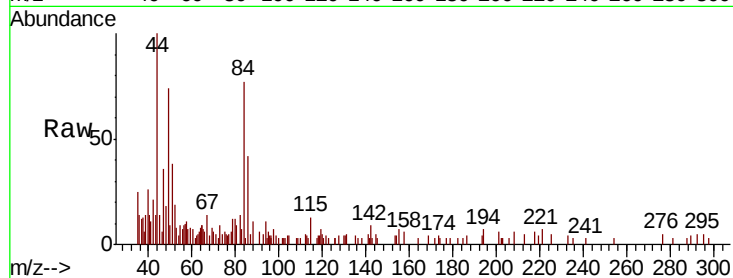
43 289.1 265.9 398.9





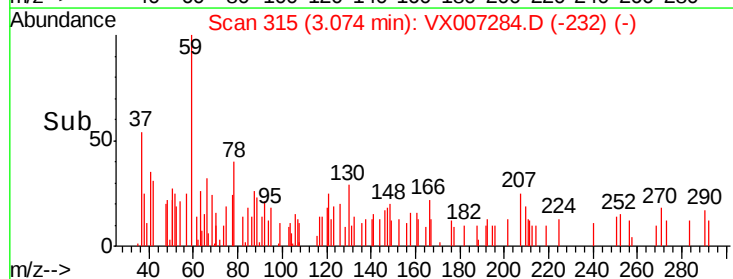
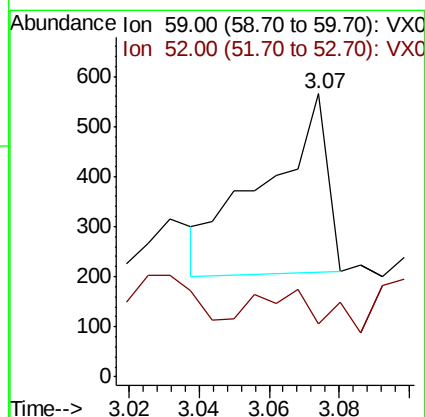
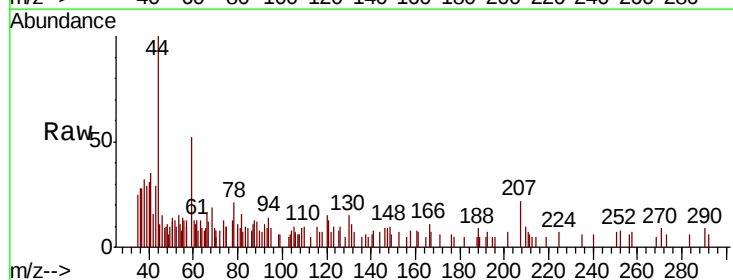
#18
Methvlene Chloride
Concen: 0.634 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

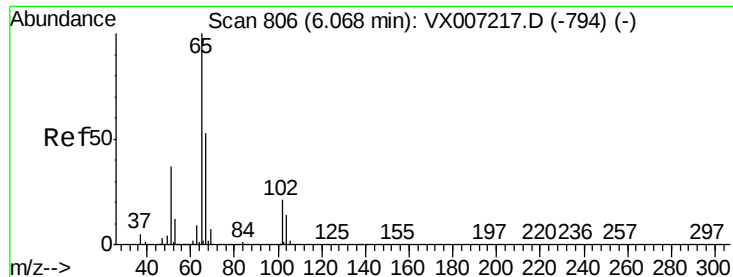
Tot Ion: 84 Resp: 2787
Ion Ratio Lower Upper
84 100
49 84.8 98.4 147.6#
51 37.2 28.9 43.3
86 48.8 56.1 84.1#



#23
tert-Butyl Alcohol
Concen: 0.435 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

Tgt Ion: 59 Resp: 444
Ion Ratio Lower Upper
59 100
52 26.8 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.384 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007284.D

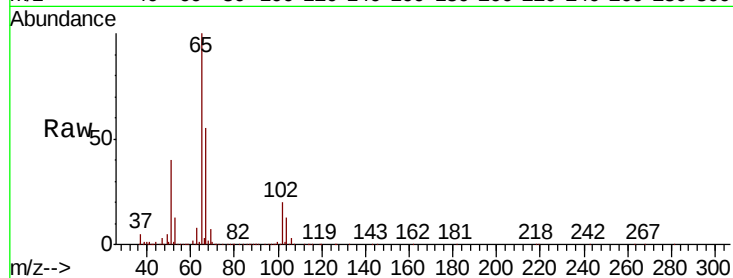
Acq: 29 Jan 2019 13:29

Tot Ion: 65 Resp: 147300

Ion Ratio Lower Upper

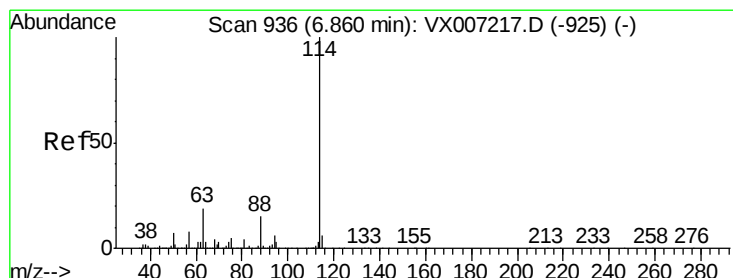
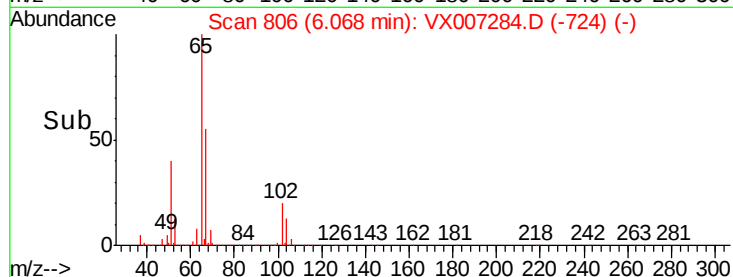
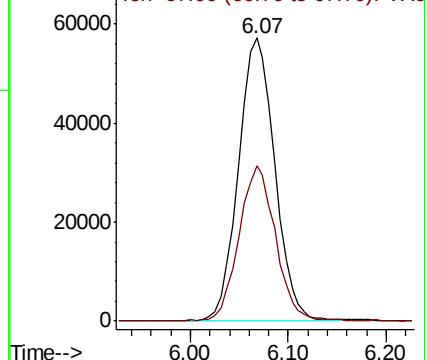
65 100

67 54.9 42.0 63.0



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007284.D

Acq: 29 Jan 2019 13:29

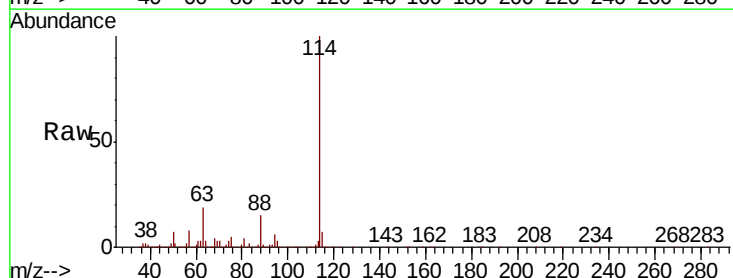
Tgt Ion: 114 Resp: 394581

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

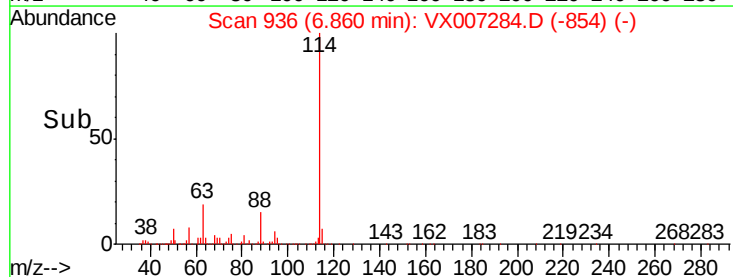
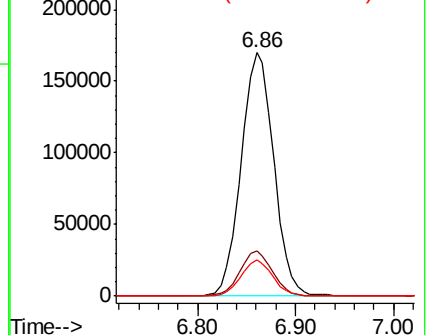
88 14.4 11.8 17.6

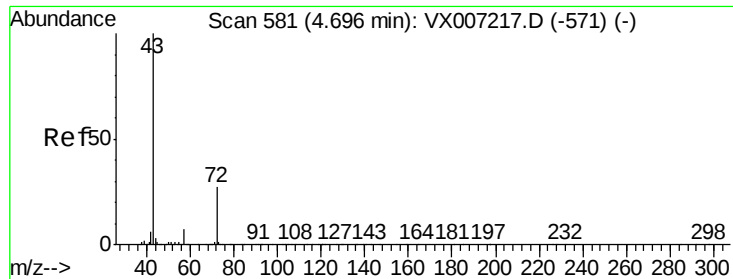


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

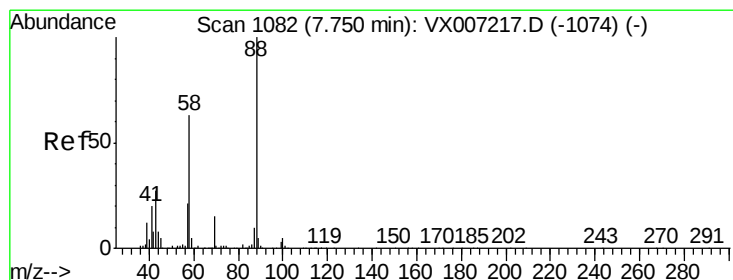
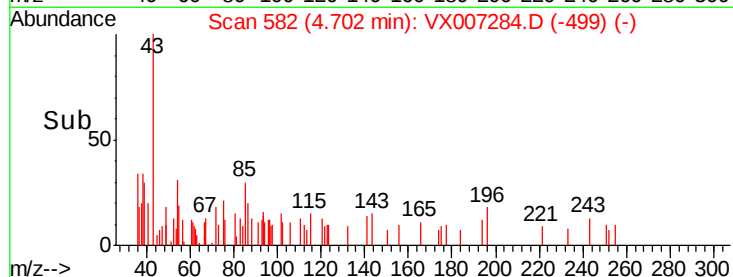
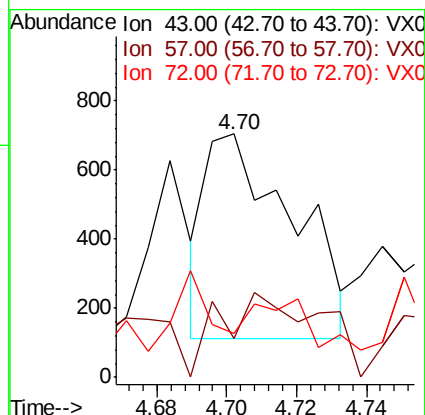
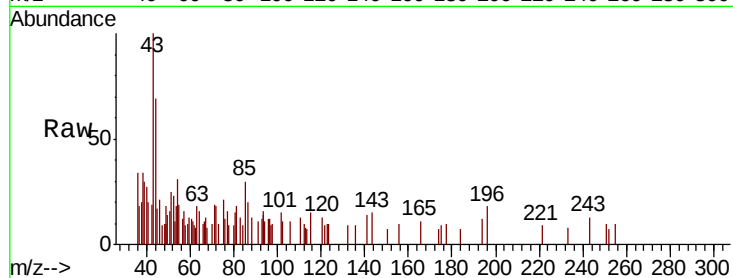
Ion 88.00 (87.70 to 88.70): VX0





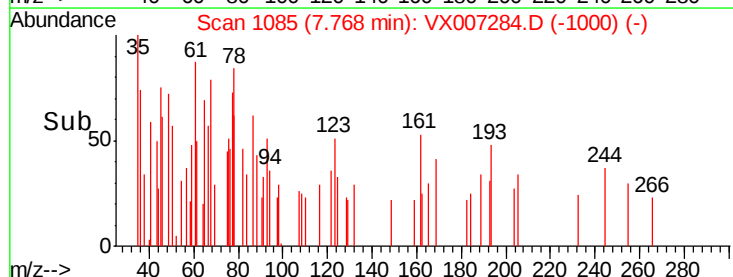
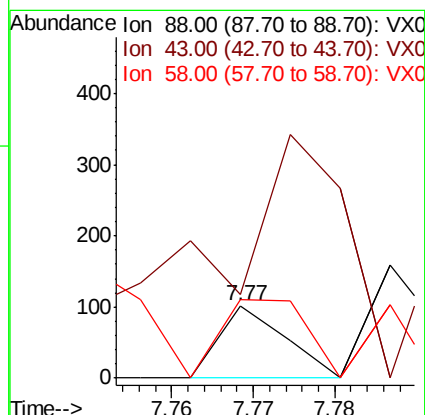
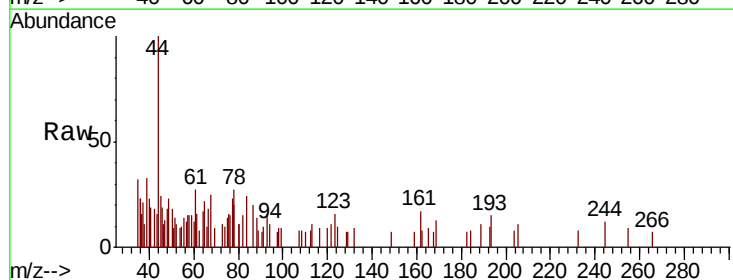
#30
2-Butanone
Concen: 0.334 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

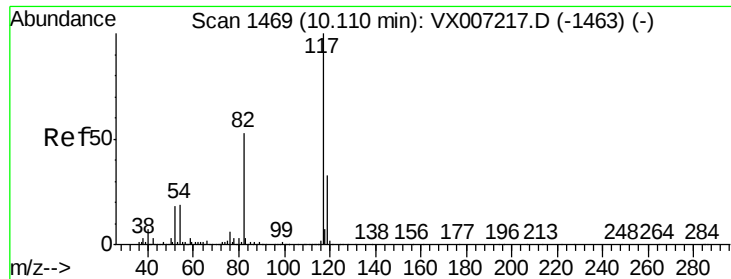
Tot Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
57 33.5 3.3 4.9#
72 0.0 22.0 33.0#



#45
1,4-Dioxane
Concen: 0.525 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.02 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

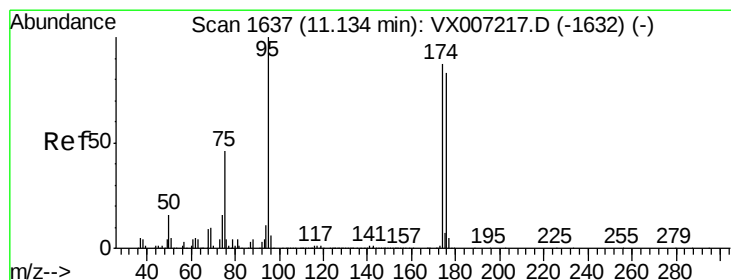
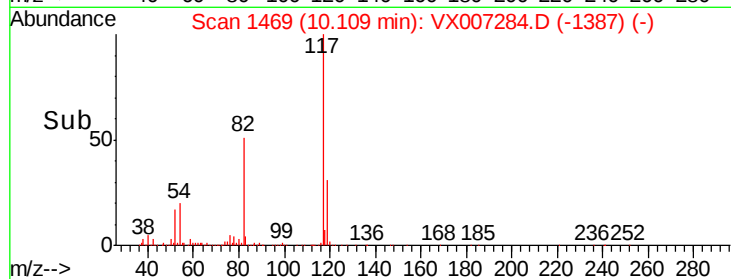
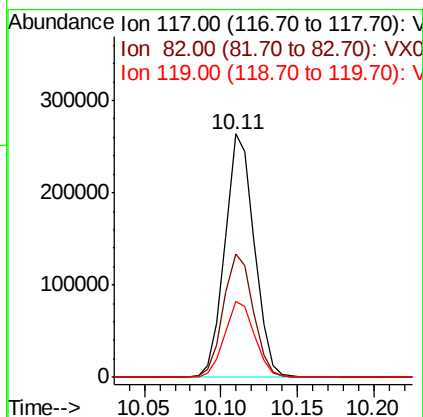
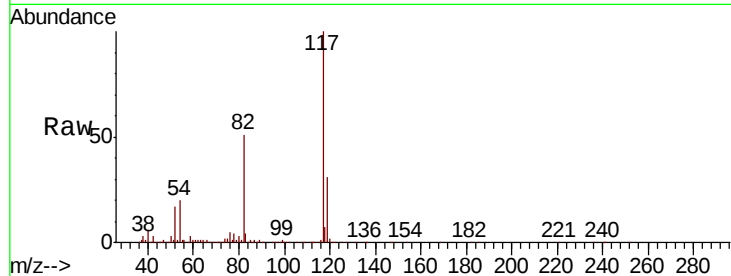
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 391.2 23.5 35.3#
58 140.4 51.6 77.4#





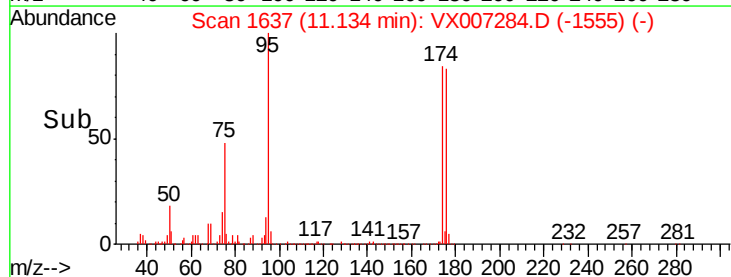
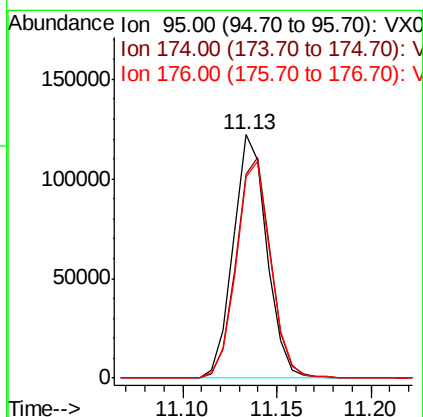
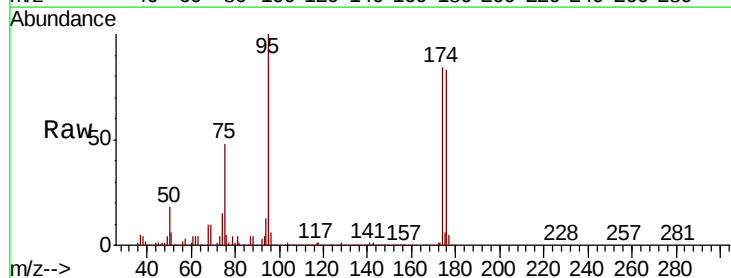
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

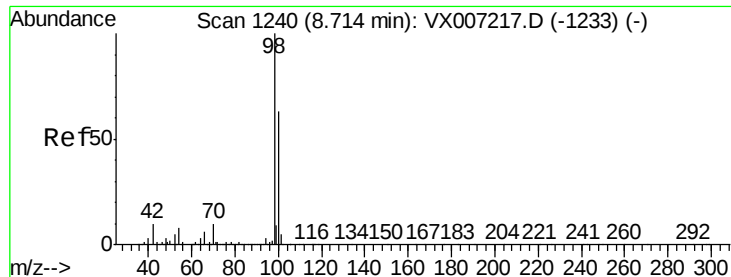
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.4	62.0
119	31.9	25.7	38.5



#60
4-Bromofluorobenzene
Concen: 27.991 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007284.D
Acq: 29 Jan 2019 13:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	74.8	112.2
176	90.9	72.5	108.7





#63

Toluene-d8

Concen: 29.078 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007284.D

Acq: 29 Jan 2019 13:29

Tot Ion: 98 Resp: 460022

Ion Ratio Lower Upper

98 100

100 64.8 49.9 74.9

