

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007280.D
 Acq On : 29 Jan 2019 11:43
 Operator : JC/SP
 Sample : K1260-01 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jan 30 00:54:19 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	75146	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	413109	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	374281	30.00	ug/l	0.00

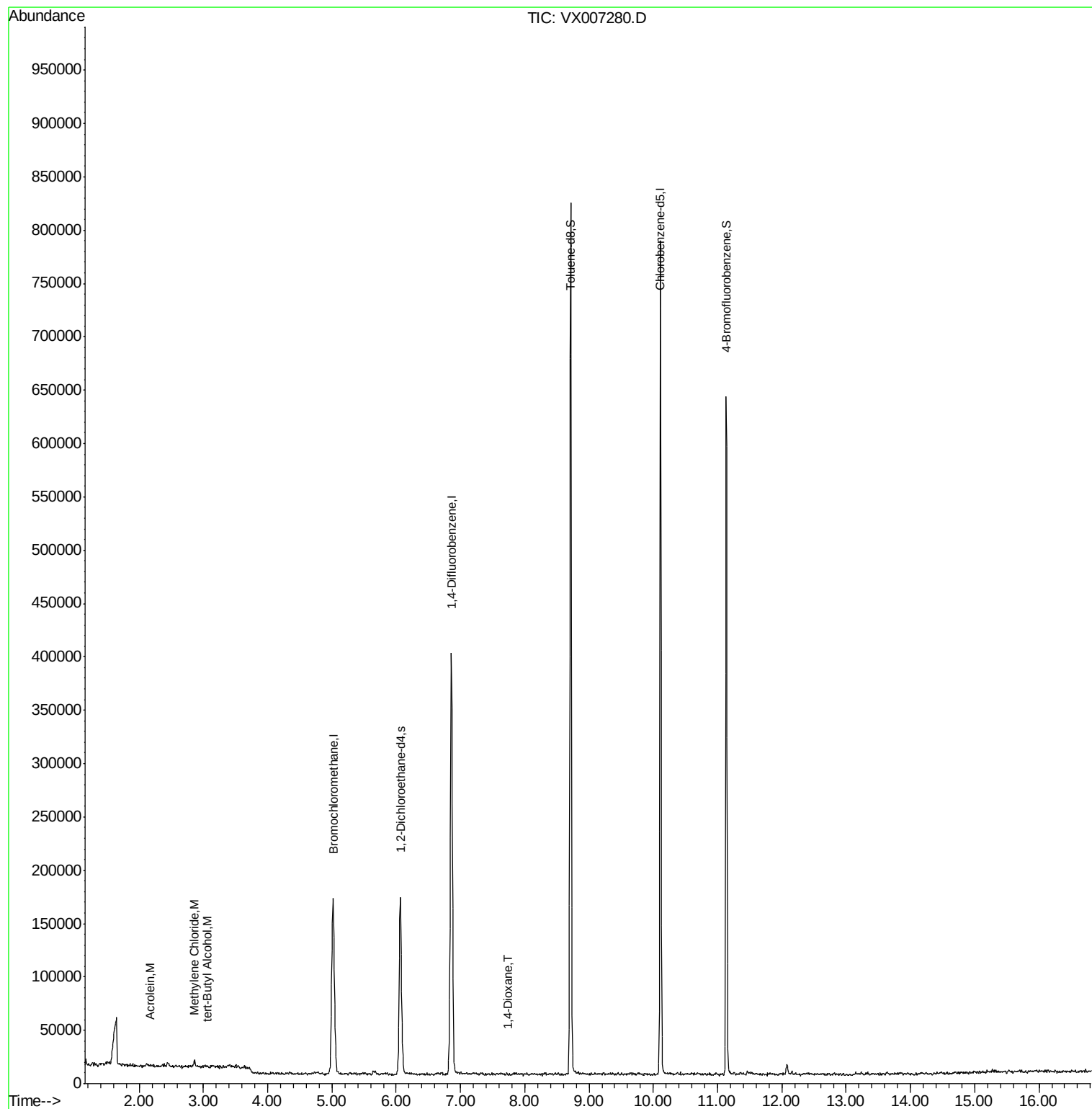
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.07	65	156003	31.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.43%
60) 4-Bromofluorobenzene	11.13	95	159257	27.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.90%
63) Toluene-d8	8.71	98	484333	28.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.70%

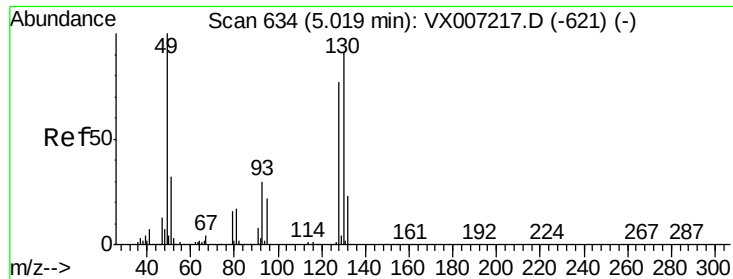
Target Compounds					Ovalue	
13) Acrolein	2.17	56	176	0.368	ug/l	97
18) Methylene Chloride	2.86	84	3133	0.701	ug/l #	79
23) tert-Butyl Alcohol	3.07	59	379	0.365	ug/l #	81
45) 1,4-Dioxane	7.74	88	90	0.792	ug/l #	1

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

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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: VX007280.D

Acq: 29 Jan 2019 11:43

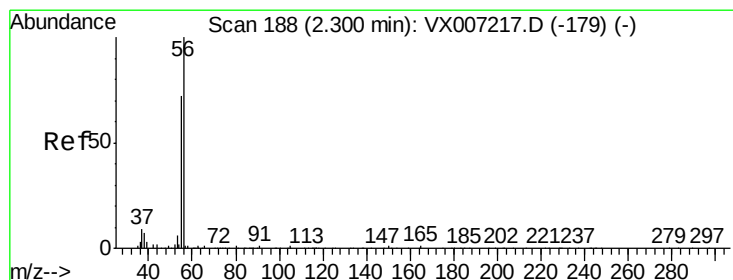
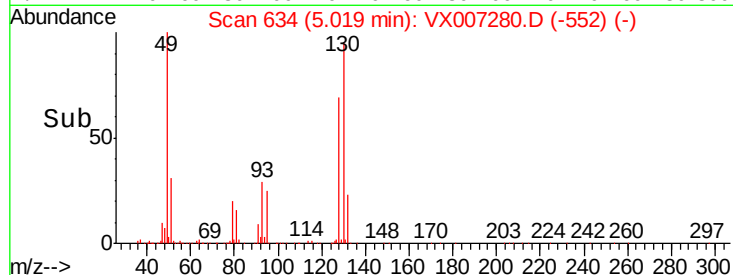
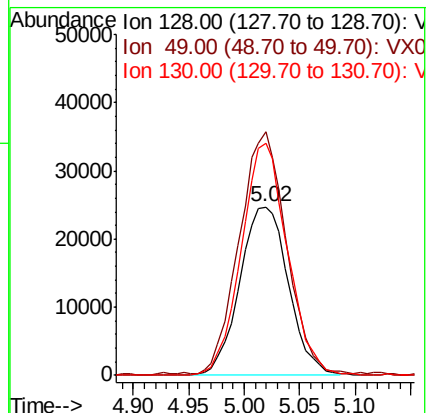
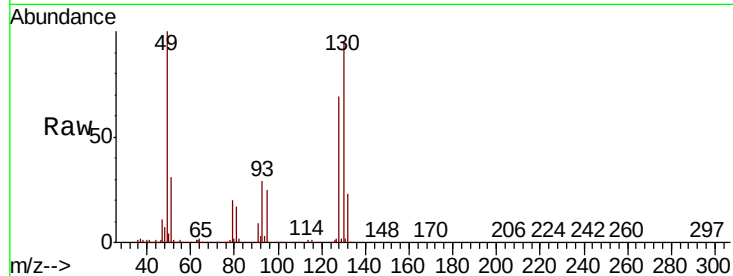
Tot Ion:128 Resp: 75146

Ion Ratio Lower Upper

128 100

49 141.4 0.0 345.5

130 131.0 0.0 320.0



#13

Acrolein

Concen: 0.368 ug/l

RT: 2.17 min Scan# 167

Delta R.T. -0.13 min

Lab File: VX007280.D

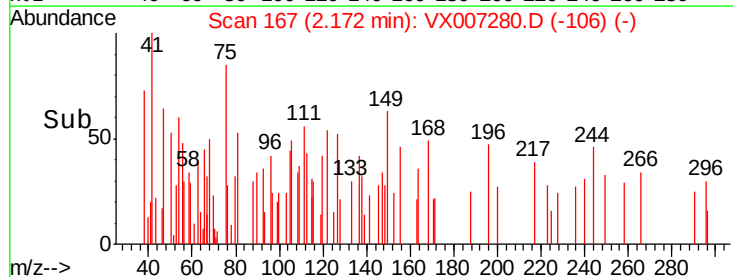
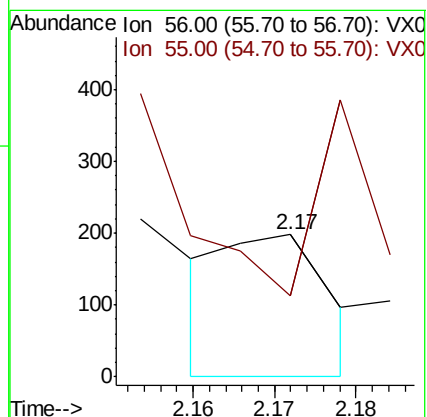
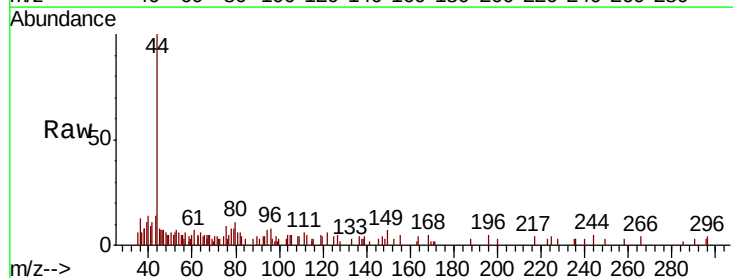
Acq: 29 Jan 2019 11:43

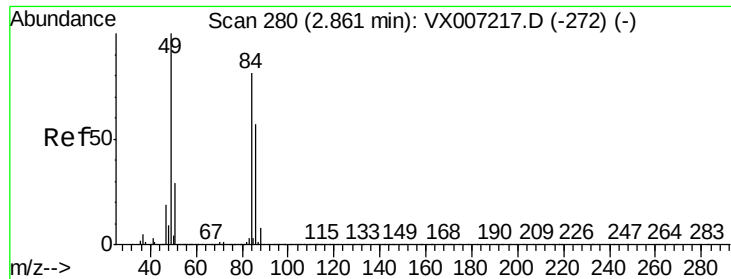
Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

56 100

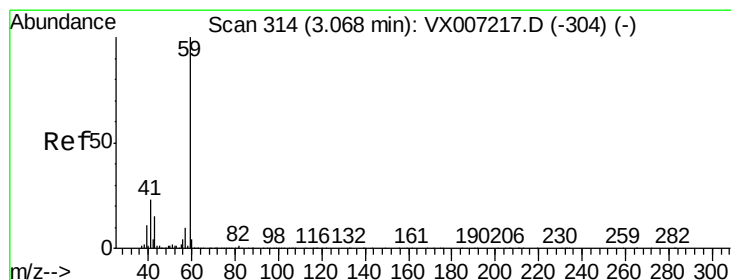
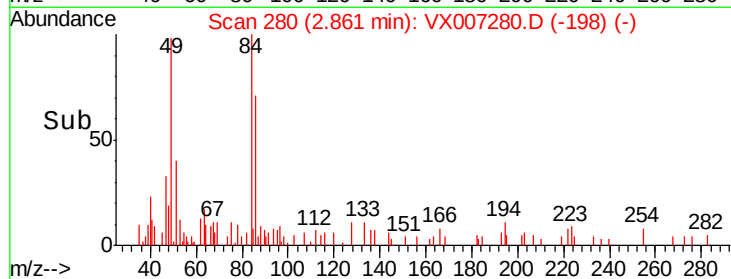
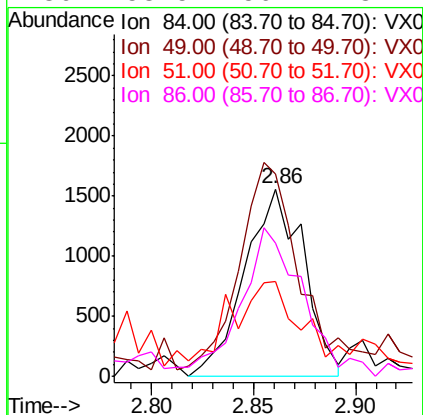
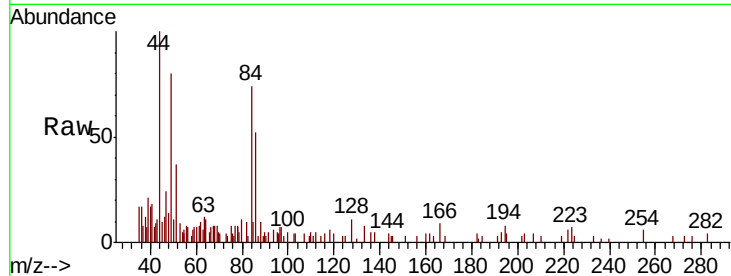
55 71.0 58.6 87.8





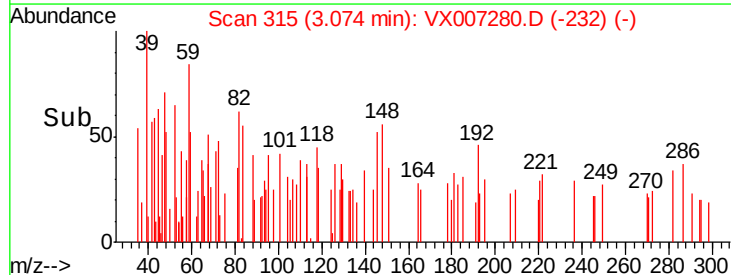
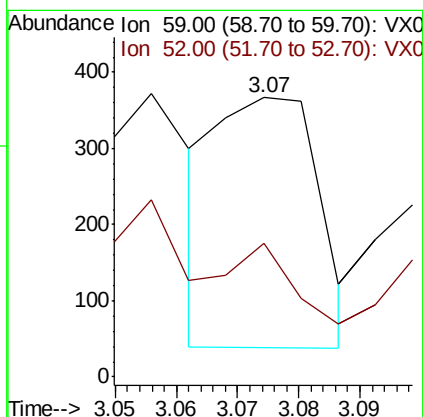
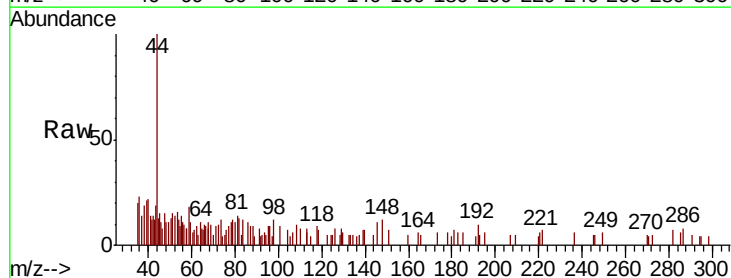
#18
Methylene Chloride
Concen: 0.701 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007280.D
Acq: 29 Jan 2019 11:43

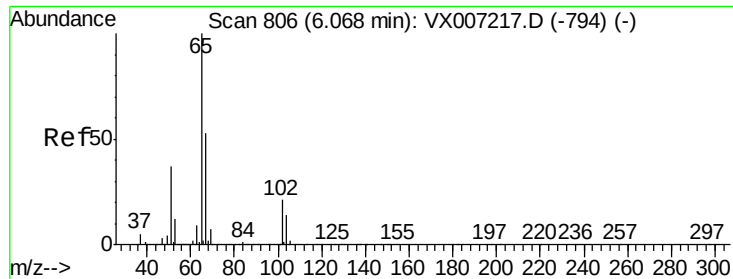
Tot Ion:	84	Resp:	3133
Ion	Ratio	Lower	Upper
84	100		
49	90.5	98.4	147.6#
51	30.6	28.9	43.3
86	58.5	56.1	84.1



#23
tert-Butyl Alcohol
Concen: 0.365 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007280.D
Acq: 29 Jan 2019 11:43

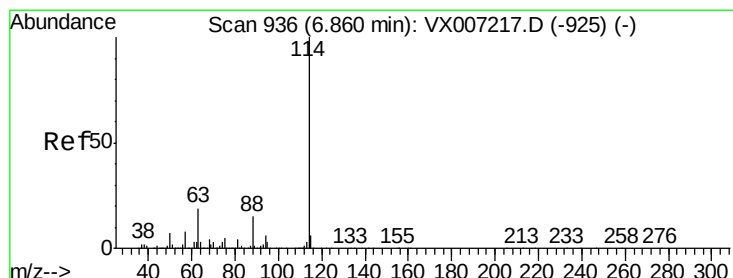
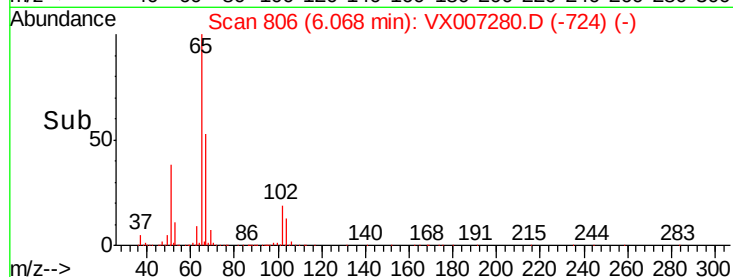
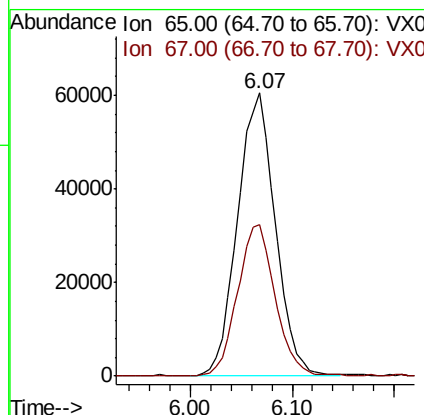
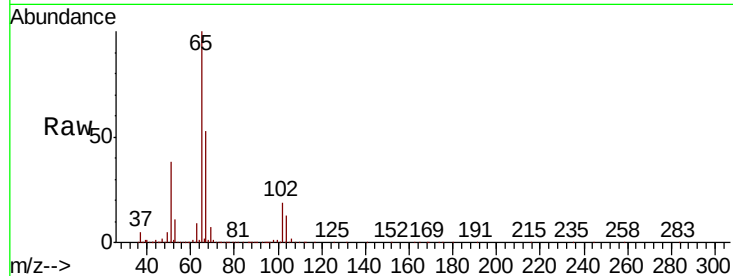
Tgt Ion:	59	Resp:	379
Ion	Ratio	Lower	Upper
59	100		
52	25.1	0.2	0.2#





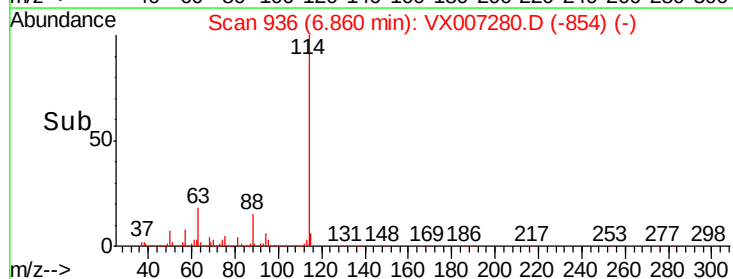
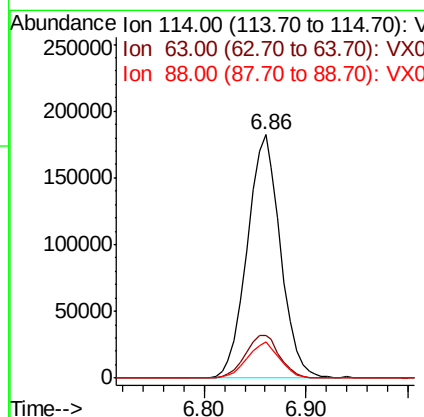
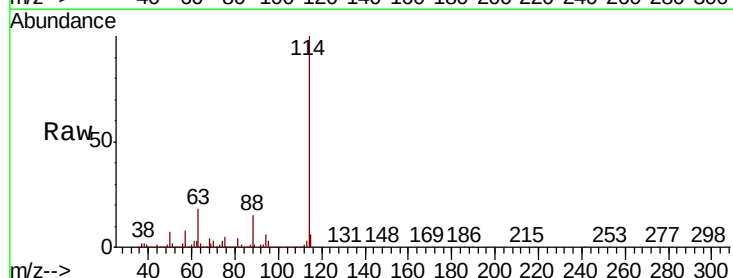
#27
 1,2-Dichloroethane-d4
 Concen: 31.626 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007280.D
 Acq: 29 Jan 2019 11:43

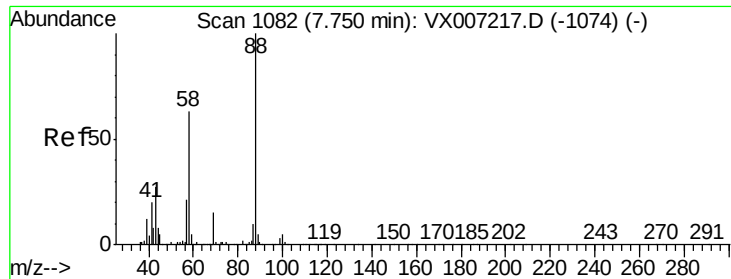
Tot Ion: 65 Resp: 156003
 Ion Ratio Lower Upper
 65 100
 67 52.9 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007280.D
 Acq: 29 Jan 2019 11:43

Tgt Ion: 114 Resp: 413109
 Ion Ratio Lower Upper
 114 100
 63 18.2 14.6 21.8
 88 14.5 11.8 17.6





#45

1,4-Dioxane

Concen: 0.792 ug/l

RT: 7.74 min Scan# 1081

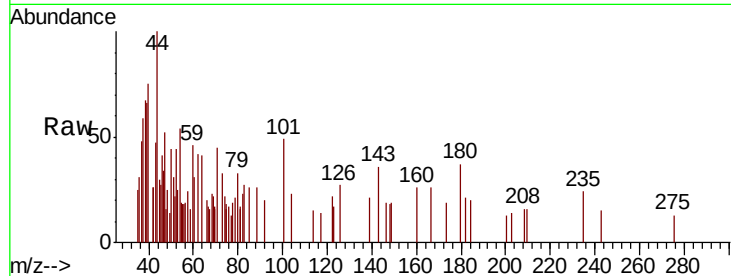
Delta R.T. -0.01 min

Lab File: VX007280.D

Acq: 29 Jan 2019 11:43

Tot Ion: 88 Resp: 90

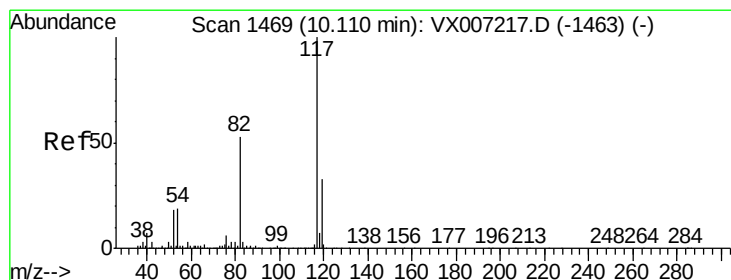
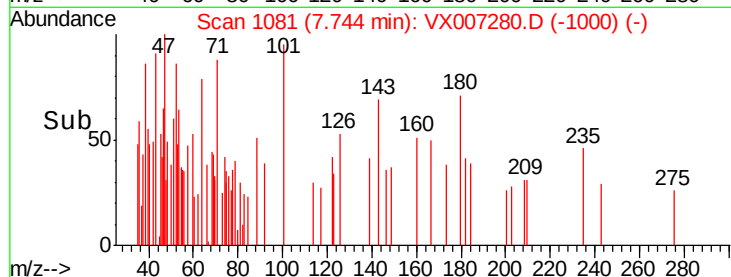
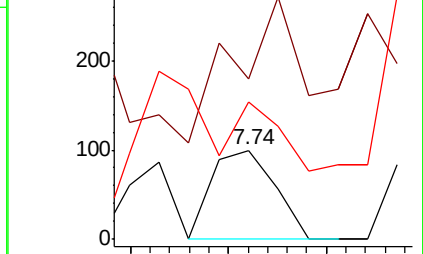
Ion	Ratio	Lower	Upper
88	100		
43	162.2	23.5	35.3#
58	178.9	51.6	77.4#



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

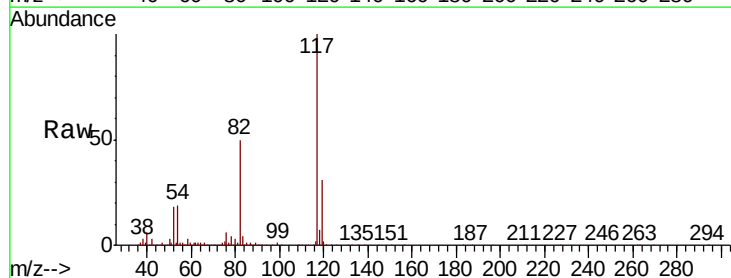
Delta R.T. -0.00 min

Lab File: VX007280.D

Acq: 29 Jan 2019 11:43

Tgt Ion: 117 Resp: 374281

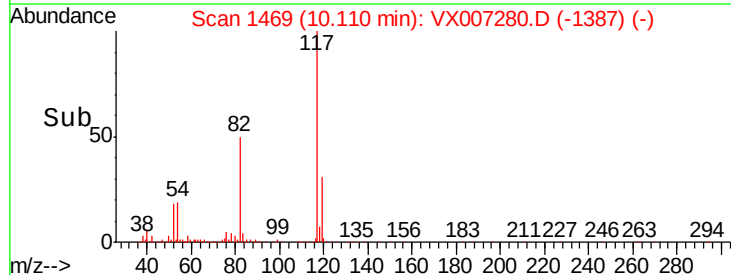
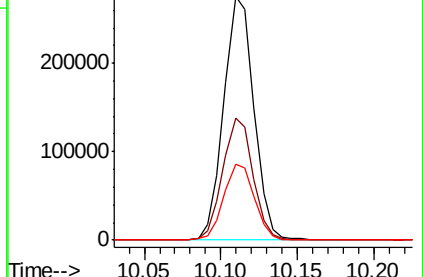
Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.4	62.0
119	31.9	25.7	38.5

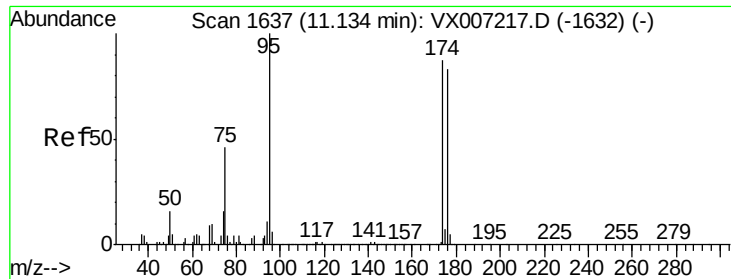


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VX0

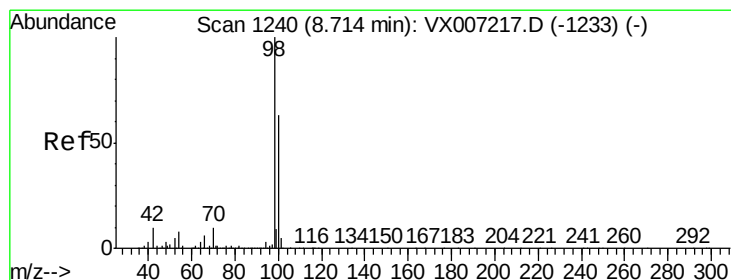
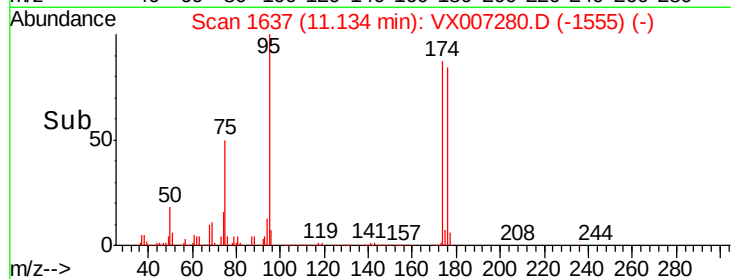
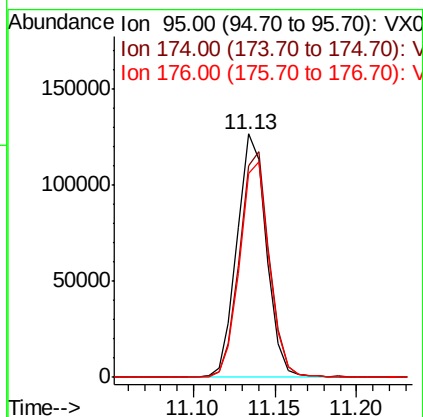
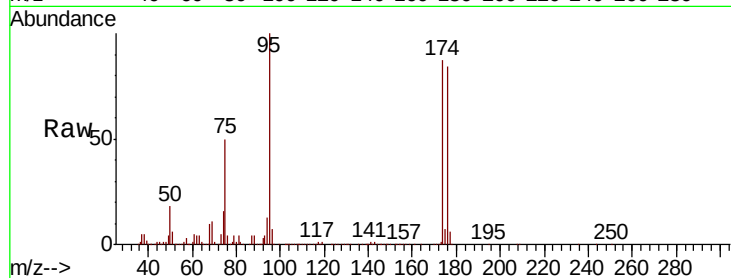
Ion 119.00 (118.70 to 119.70): V





#60
4-Bromofluorobenzene
Concen: 27.569 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007280.D
Acq: 29 Jan 2019 11:43

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.9	74.8	112.2
176	89.1	72.5	108.7



#63
Toluene-d8
Concen: 28.709 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007280.D
Acq: 29 Jan 2019 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.9	74.9

