

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007278.D
 Acq On : 29 Jan 2019 10:35
 Operator : JC/SP
 Sample : VX0129WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 30 00:54:08 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	83728	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	452883	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	397927	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	166383	30.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.90%
60) 4-Bromofluorobenzene	11.13	95	170832	27.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.70%
63) Toluene-d8	8.71	98	527909	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

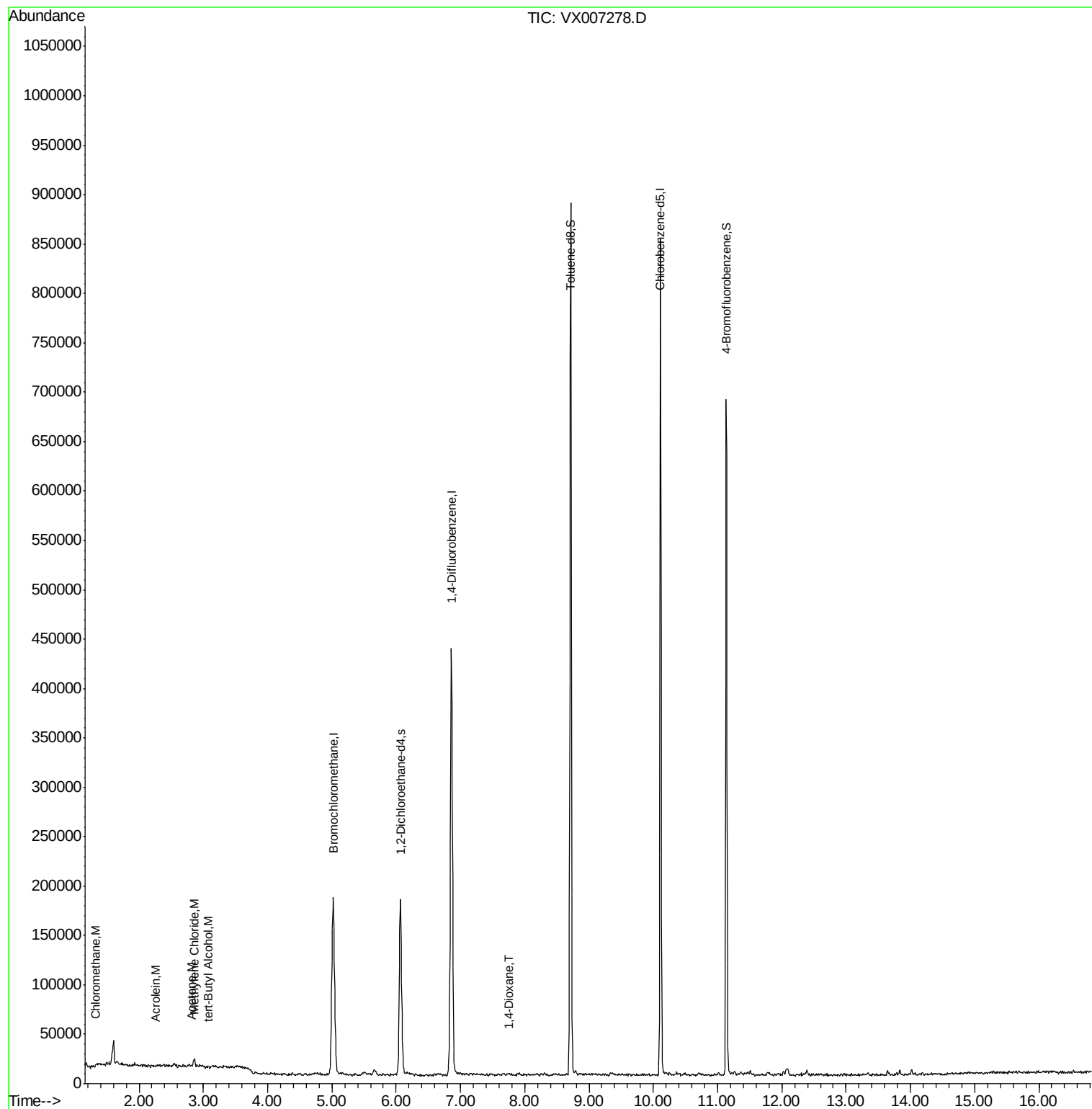
Target Compounds

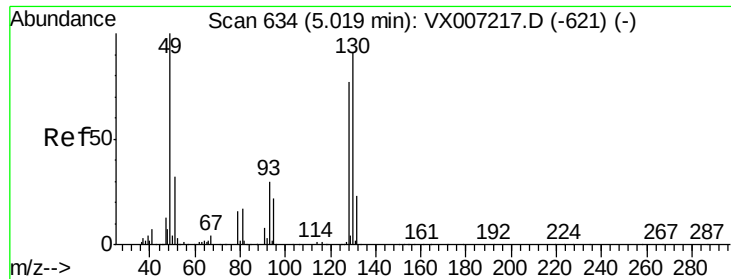
					Ovalue	
3) Chloromethane	1.33	50	1309	0.312	ug/l #	62
13) Acrolein	2.26	56	134	0.252	ug/l	84
15) Acetone	2.81	58	216	0.276	ug/l	71
18) Methylene Chloride	2.86	84	3326	0.668	ug/l #	87
23) tert-Butyl Alcohol	3.07	59	258	0.223	ug/l #	55
45) 1,4-Dioxane	7.76	88	219	1.758	ug/l #	1

(#) = 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: VX007278.D

Acq: 29 Jan 2019 10:35

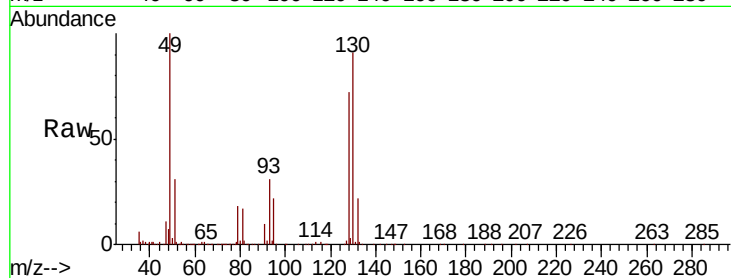
Tot Ion:128 Resp: 83728

Ion Ratio Lower Upper

128 100

49 140.0 0.0 345.5

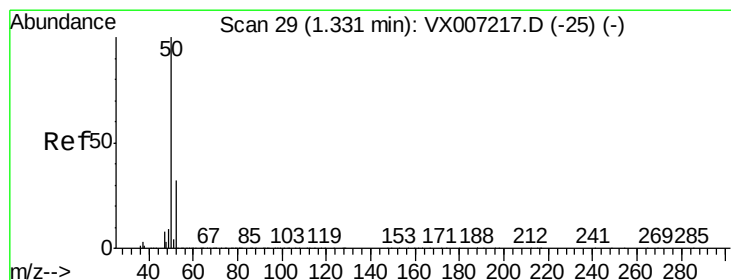
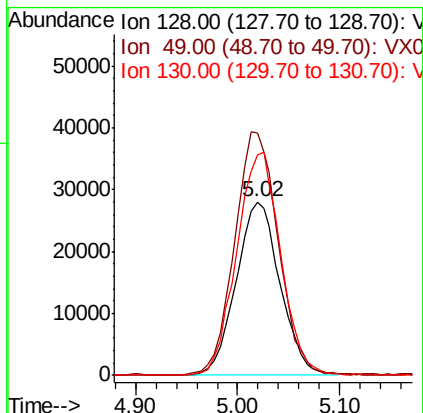
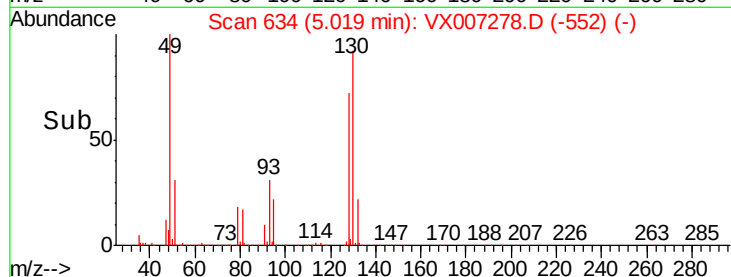
130 129.0 0.0 320.0



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



#3

Chloromethane

Concen: 0.312 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007278.D

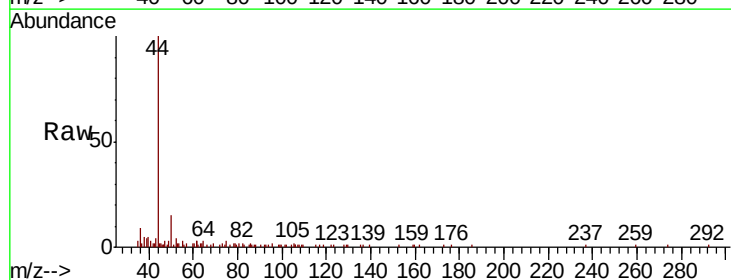
Acq: 29 Jan 2019 10:35

Tgt Ion: 50 Resp: 1309

Ion Ratio Lower Upper

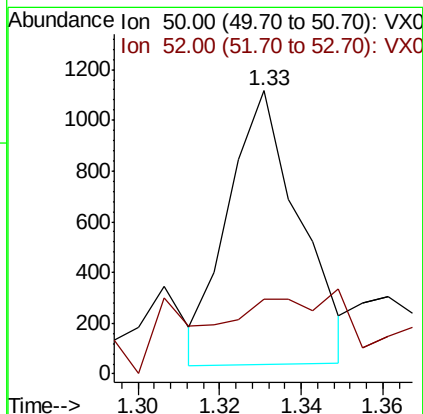
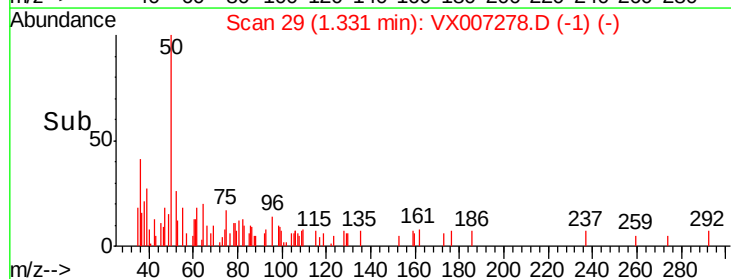
50 100

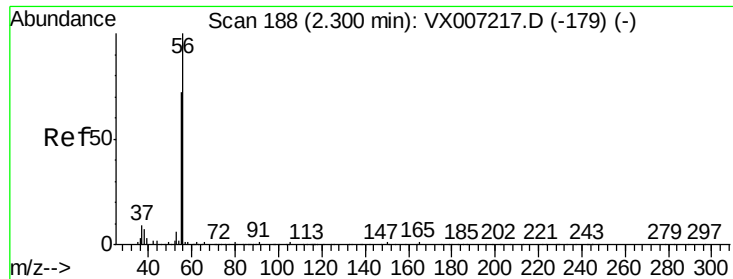
52 11.1 25.7 38.5#



Abundance Ion 50.00 (49.70 to 50.70): VX0

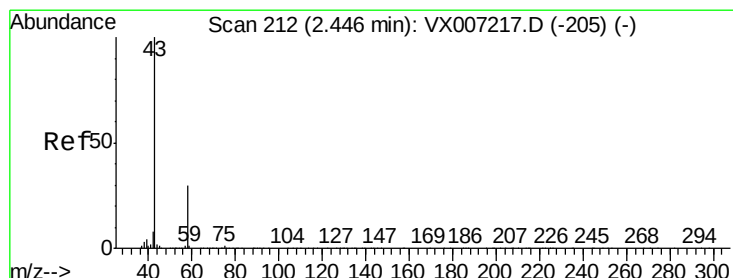
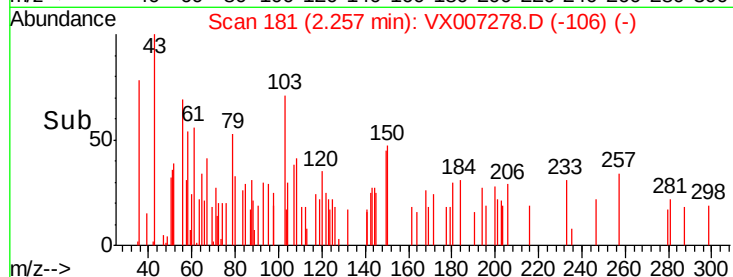
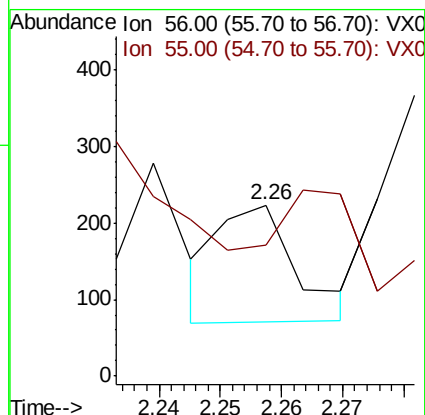
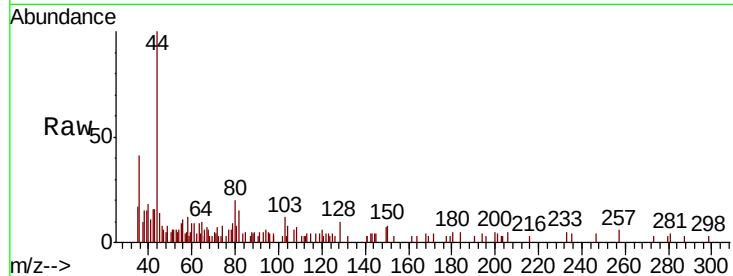
Ion 52.00 (51.70 to 52.70): VX0





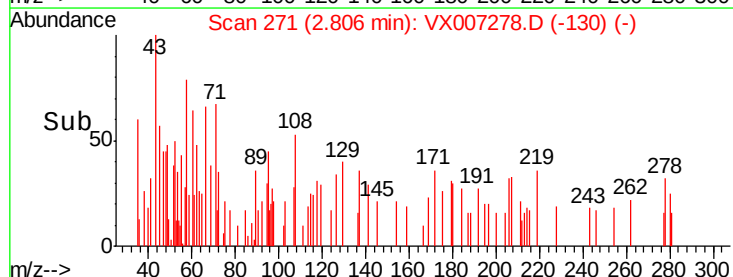
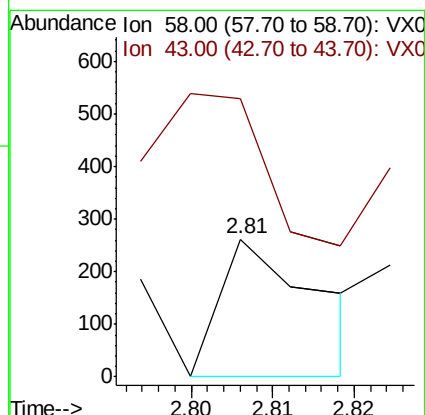
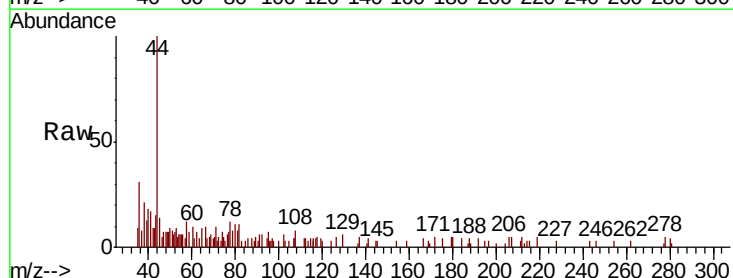
#13
Acrolein
Concen: 0.252 ug/l
RT: 2.26 min Scan# 181
Delta R.T. -0.04 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

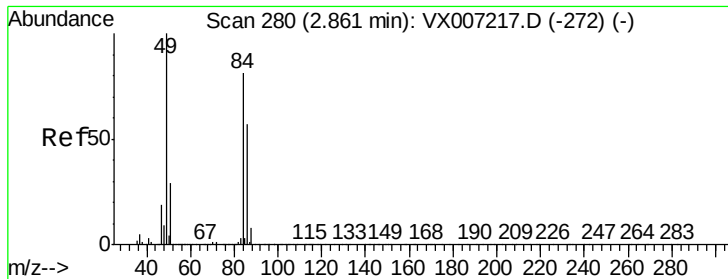
Tot Ion: 56 Resp: 134
Ion Ratio Lower Upper
56 100
55 86.6 58.6 87.8



#15
Acetone
Concen: 0.276 ug/l
RT: 2.81 min Scan# 271
Delta R.T. 0.36 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

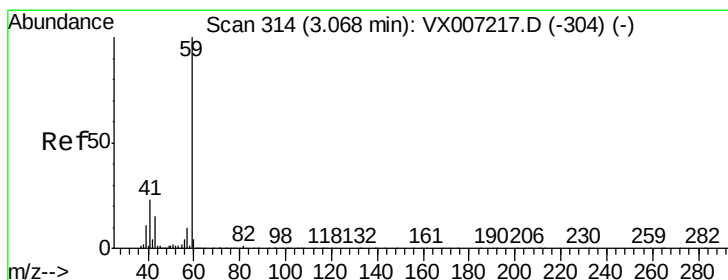
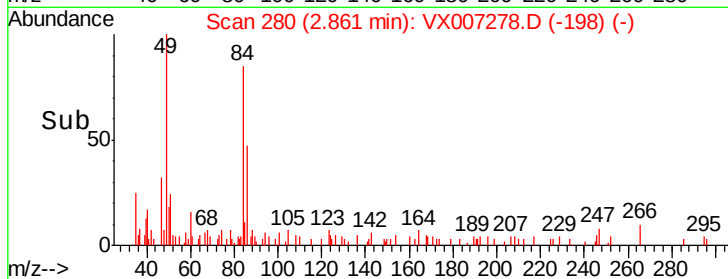
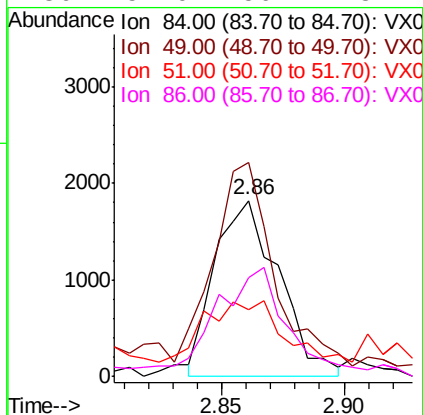
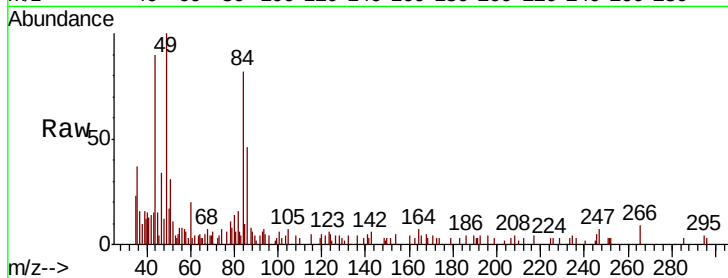
Tgt Ion: 58 Resp: 216
Ion Ratio Lower Upper
58 100
43 270.9 265.9 398.9





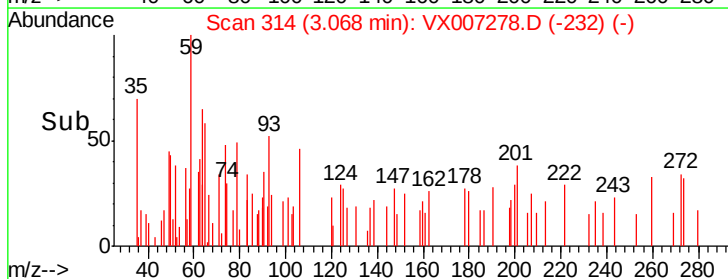
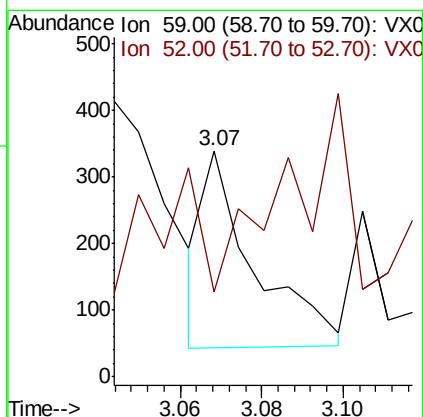
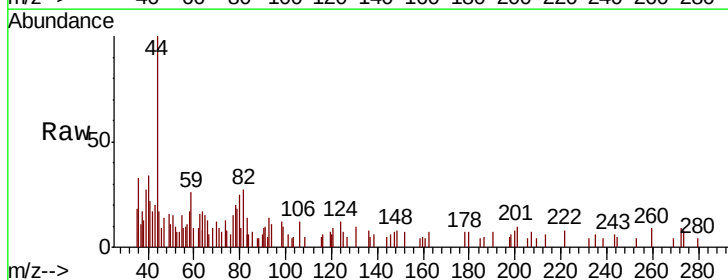
#18
Methylene Chloride
Concen: 0.668 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

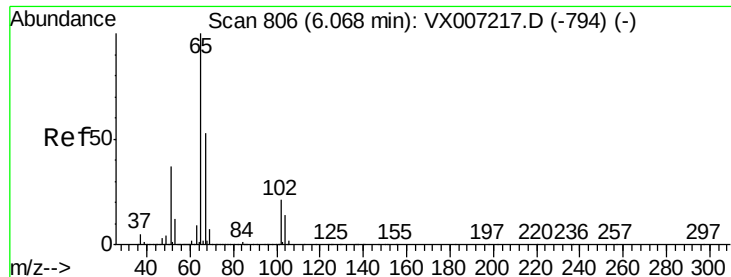
Tot Ion:	84	Resp:	3326
Ion	Ratio	Lower	Upper
84	100		
49	114.2	98.4	147.6
51	27.1	28.9	43.3#
86	52.0	56.1	84.1#



#23
tert-Butyl Alcohol
Concen: 0.223 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.00 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

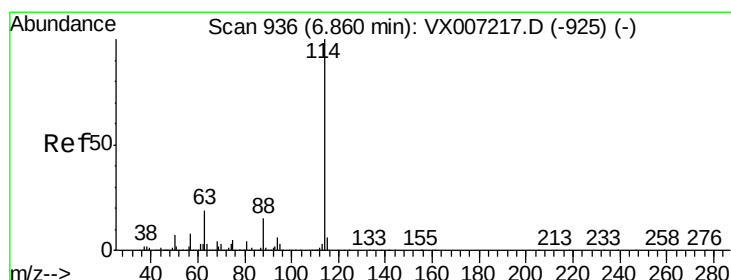
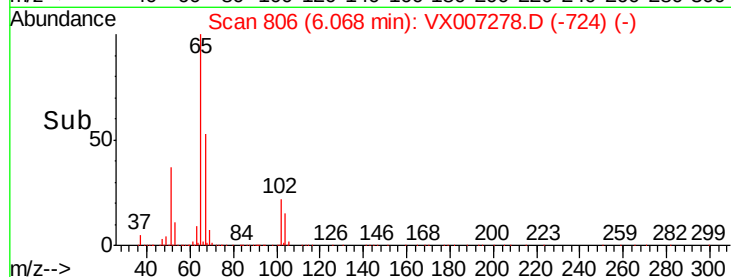
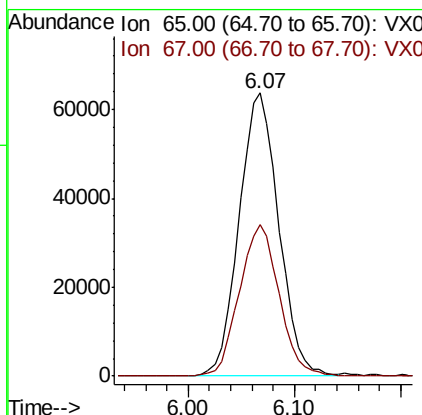
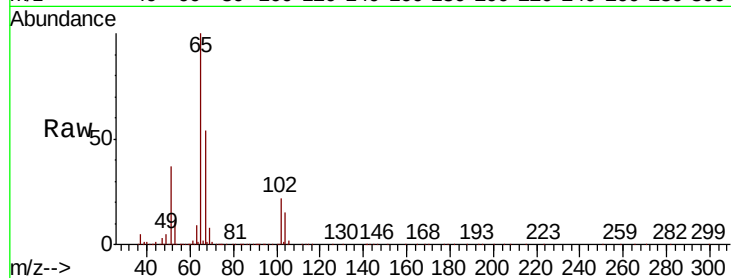
Tgt Ion:	59	Resp:	258
Ion	Ratio	Lower	Upper
59	100		
52	57.8	0.2	0.2#





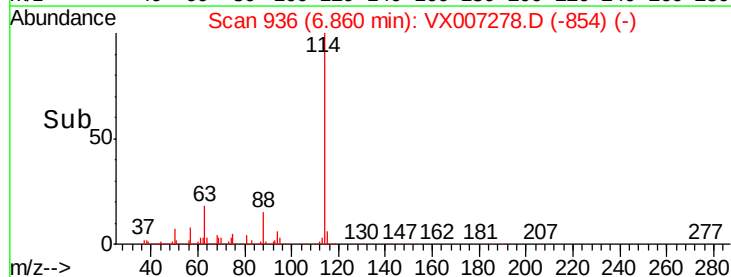
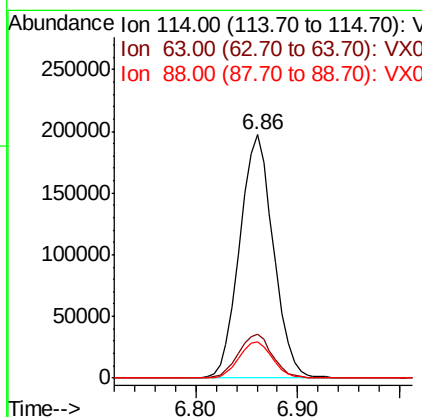
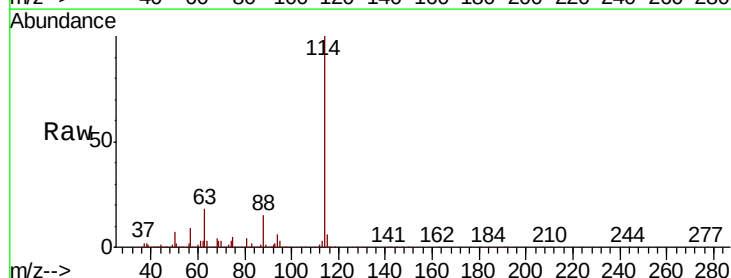
#27
 1,2-Dichloroethane-d4
 Concen: 30.273 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007278.D
 Acq: 29 Jan 2019 10:35

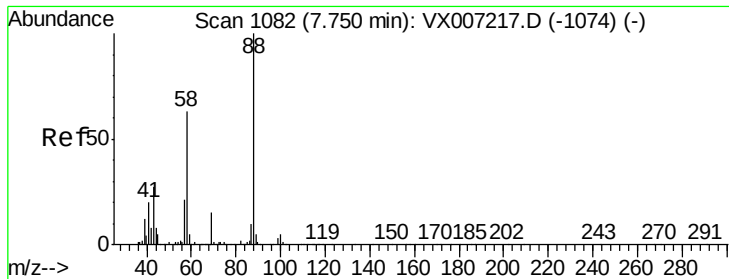
Tot Ion: 65 Resp: 166383
 Ion Ratio Lower Upper
 65 100
 67 53.8 42.0 63.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007278.D
 Acq: 29 Jan 2019 10:35

Tgt Ion: 114 Resp: 452883
 Ion Ratio Lower Upper
 114 100
 63 17.9 14.6 21.8
 88 14.8 11.8 17.6





#45

1,4-Dioxane

Concen: 1.758 ug/l

RT: 7.76 min Scan# 1083

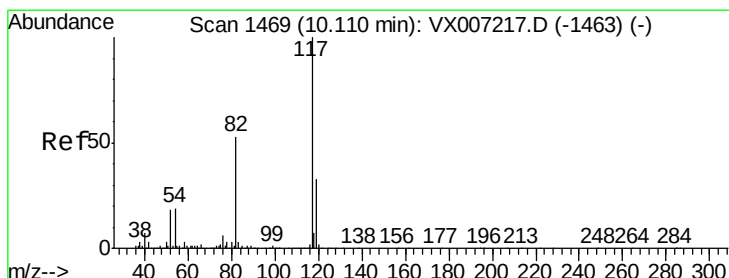
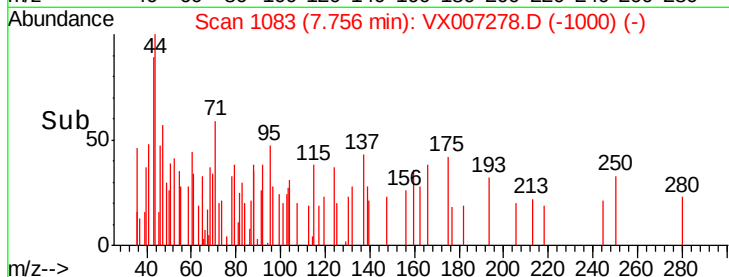
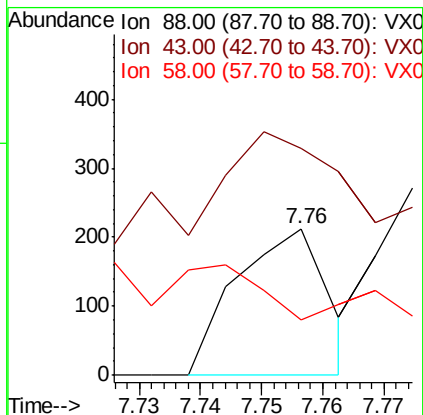
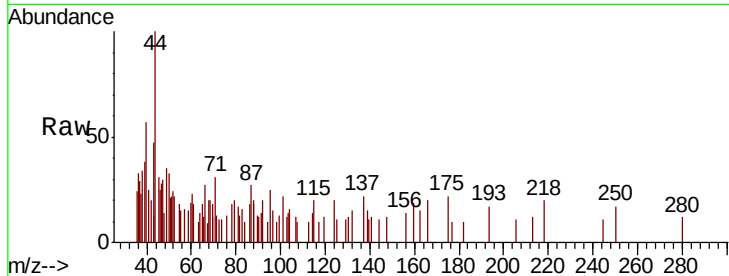
Delta R.T. 0.01 min

Lab File: VX007278.D

Acq: 29 Jan 2019 10:35

Tot Ion: 88 Resp: 219

Ion	Ratio	Lower	Upper
88	100		
43	289.5	23.5	35.3#
58	85.8	51.6	77.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.11 min Scan# 1469

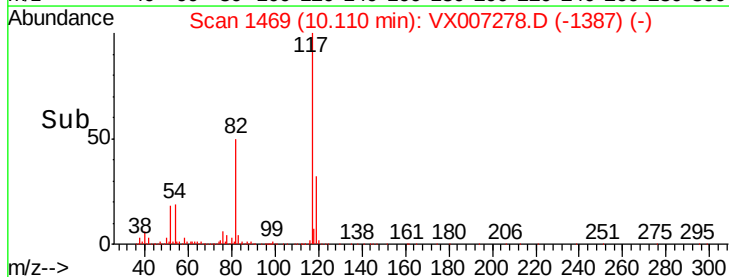
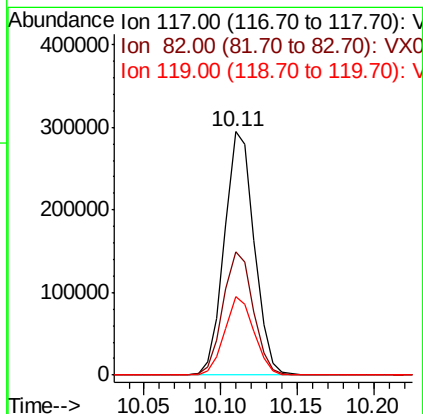
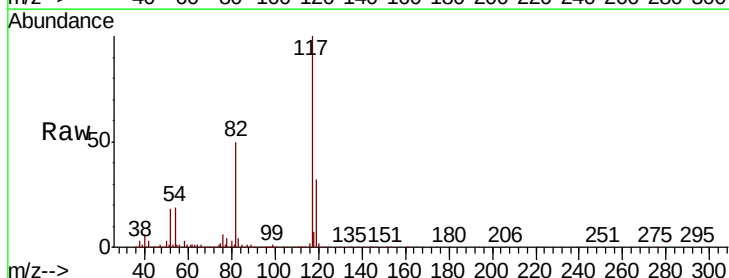
Delta R.T. -0.00 min

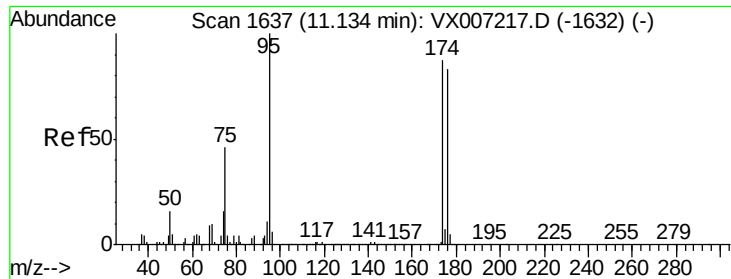
Lab File: VX007278.D

Acq: 29 Jan 2019 10:35

Tgt Ion: 117 Resp: 397927

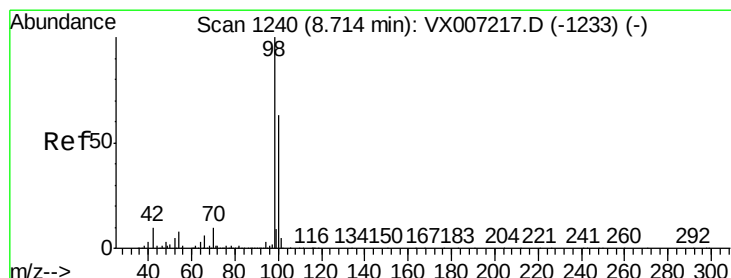
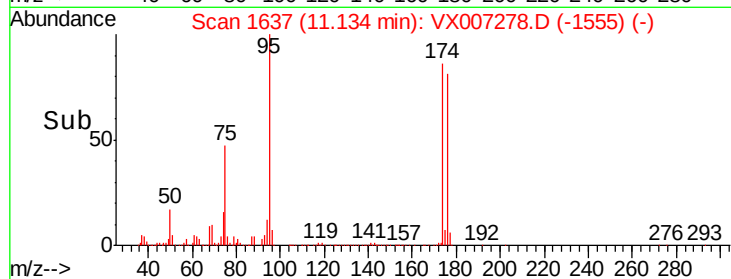
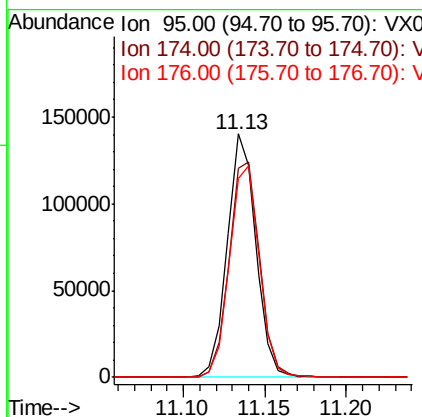
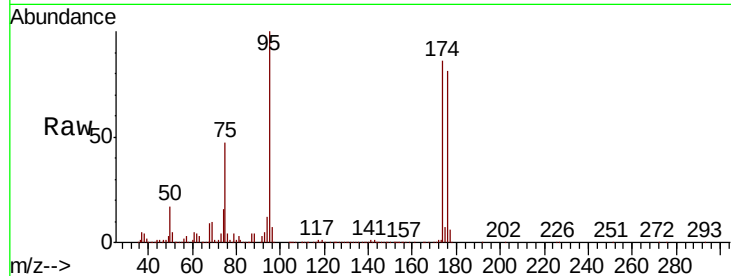
Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.4	62.0
119	31.5	25.7	38.5





#60
4-Bromofluorobenzene
Concen: 27.815 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.8	74.8	112.2
176	91.0	72.5	108.7



#63
Toluene-d8
Concen: 29.432 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007278.D
Acq: 29 Jan 2019 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.9	74.9

