

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007285.D
 Acq On : 29 Jan 2019 13:56
 Operator : JC/SP
 Sample : K1260-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 30 00:55:45 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	80767	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	426556	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	369032	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	160718	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	11.14	95	160239	28.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.77%
63) Toluene-d8	8.71	98	492276	29.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.63%

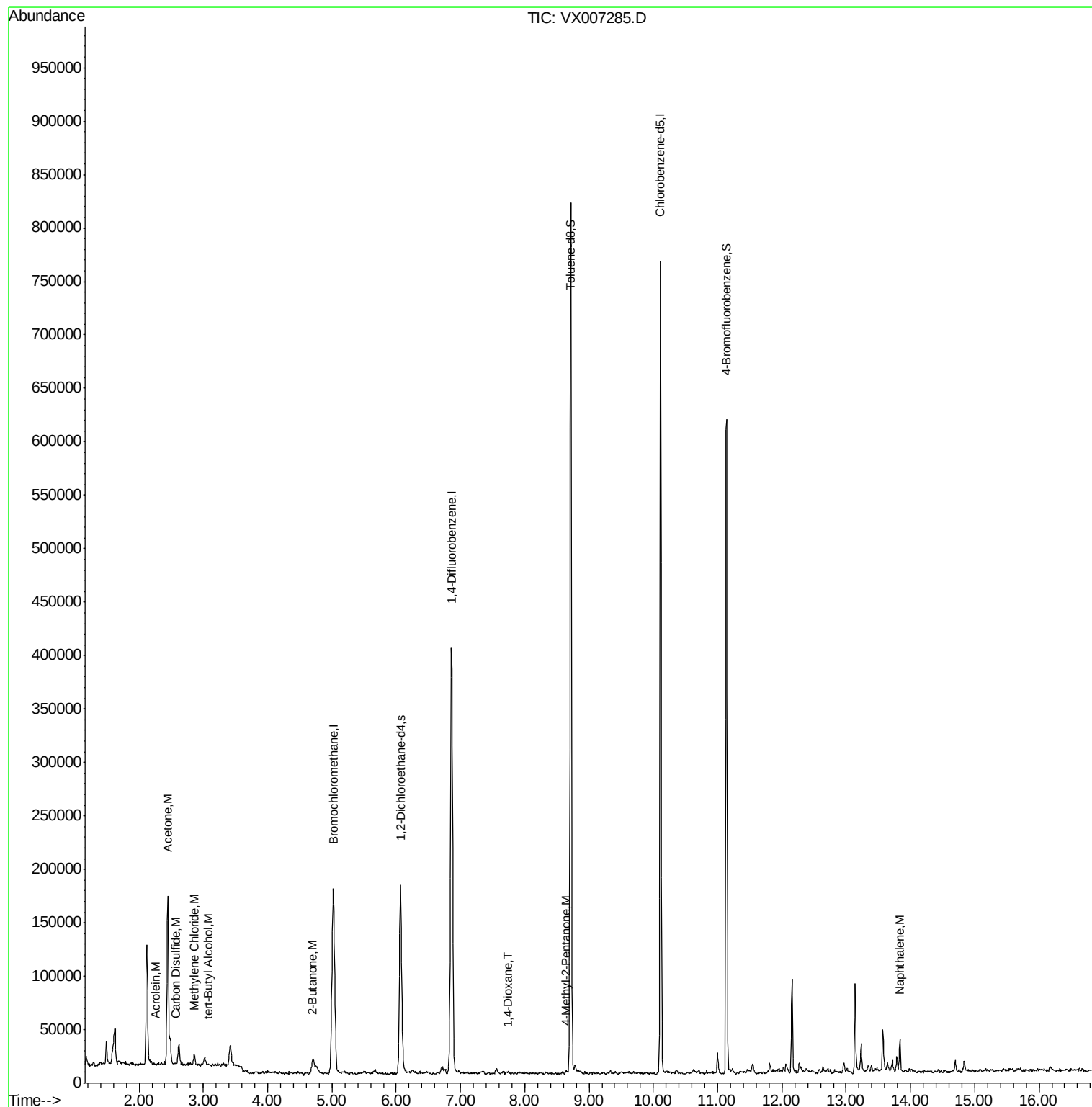
Target Compounds

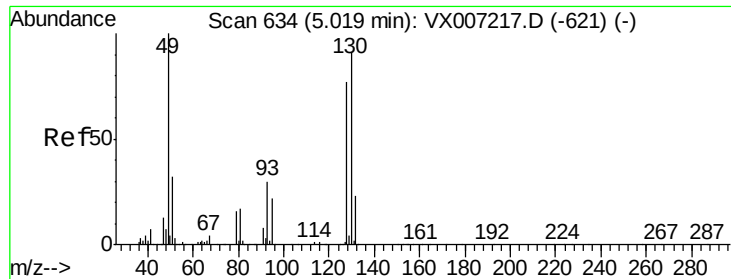
					Ovalue	
13) Acrolein	2.26	56	252	0.490	ug/l	85
15) Acetone	2.45	58	54343	71.933	ug/l	89
16) Carbon Disulfide	2.57	76	2707	0.269	ug/l #	79
18) Methylene Chloride	2.85	84	4587	0.955	ug/l	94
23) tert-Butyl Alcohol	3.07	59	787	0.705	ug/l #	43
30) 2-Butanone	4.70	43	22217	6.687	ug/l	94
45) 1,4-Dioxane	7.74	88	95	0.810	ug/l #	49
58) 4-Methyl-2-Pentanone	8.65	43	2353	0.381	ug/l #	76
91) Naphthalene	13.83	128	18075	0.861	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012919\
Data File : VX007285.D
Acq On : 29 Jan 2019 13:56
Operator : JC/SP
Sample : K1260-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jan 30 00:55:45 2019
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.00 min

Lab File: VX007285.D

Acq: 29 Jan 2019 13:56

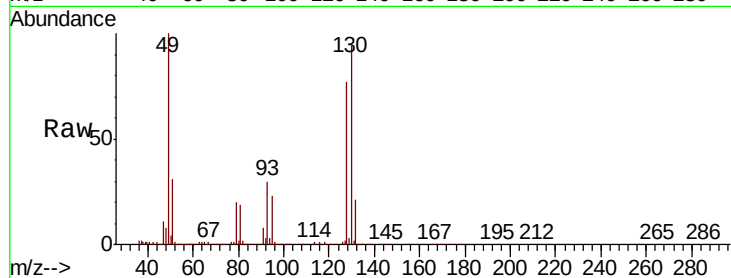
Tot Ion:128 Resp: 80767

Ion Ratio Lower Upper

128 100

49 138.2 0.0 345.5

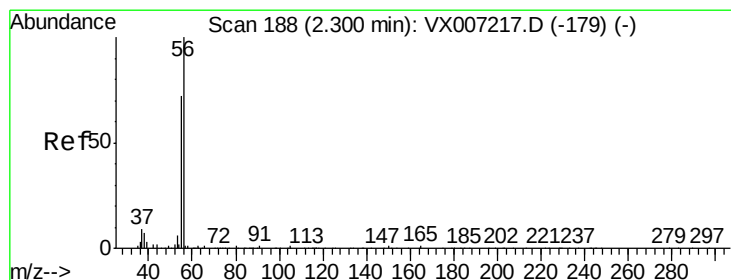
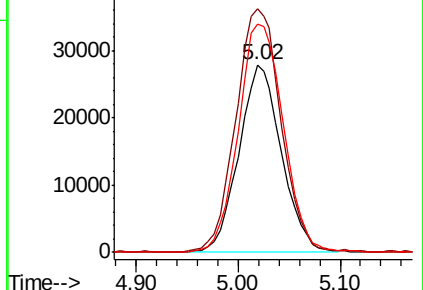
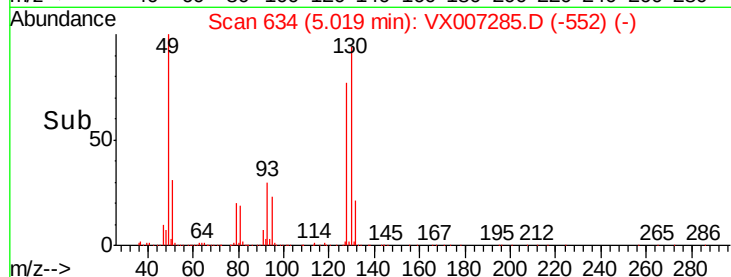
130 128.9 0.0 320.0



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: 0.490 ug/l

RT: 2.26 min Scan# 181

Delta R.T. -0.04 min

Lab File: VX007285.D

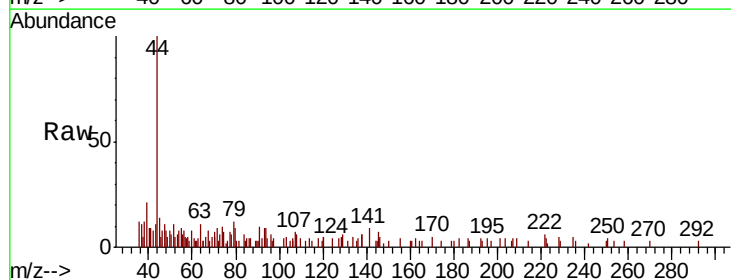
Acq: 29 Jan 2019 13:56

Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

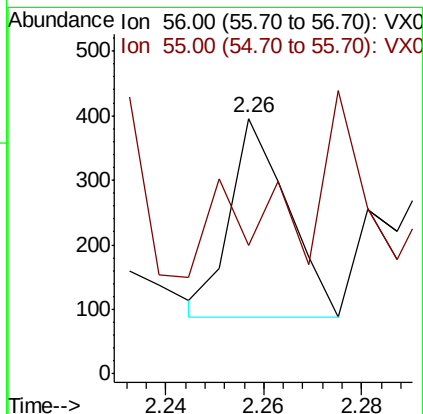
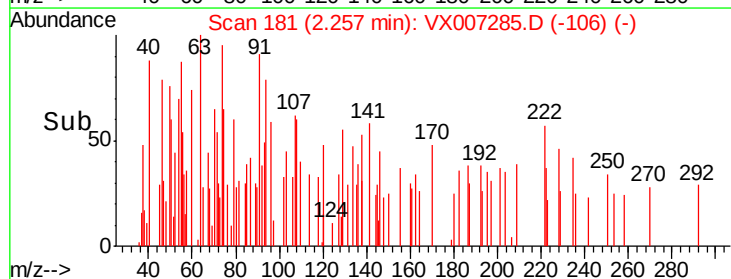
56 100

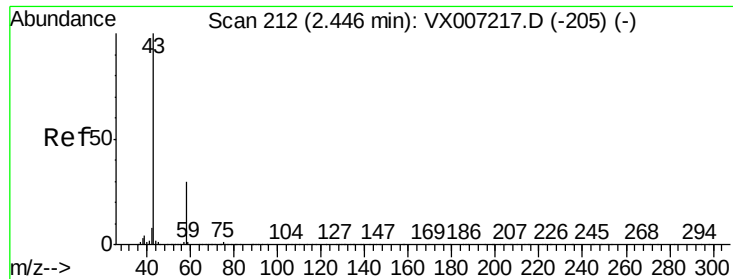
55 60.3 58.6 87.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#15

Acetone

Concen: 71.933 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007285.D

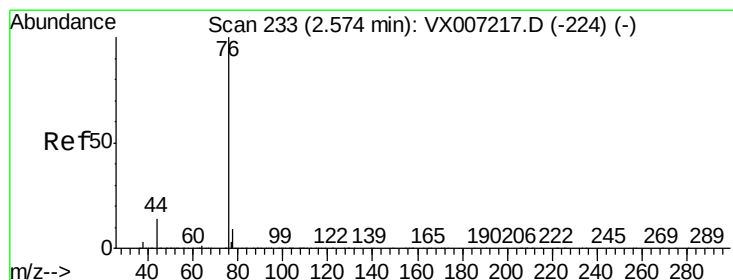
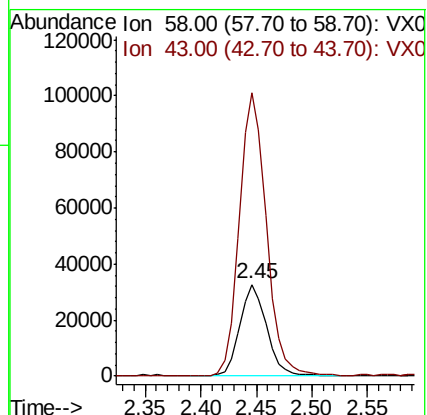
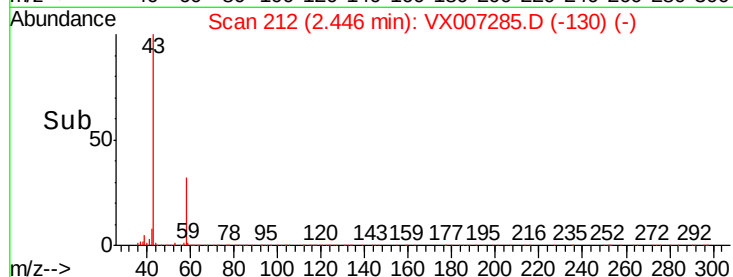
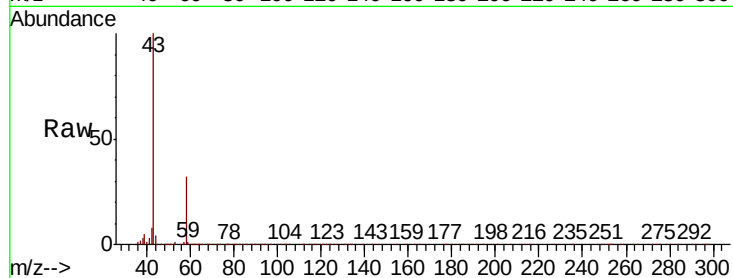
Acq: 29 Jan 2019 13:56

Tot Ion: 58 Resp: 54343

Ion Ratio Lower Upper

58 100

43 308.5 265.9 398.9



#16

Carbon Disulfide

Concen: 0.269 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.01 min

Lab File: VX007285.D

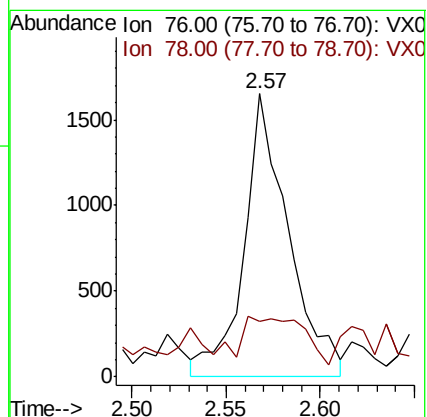
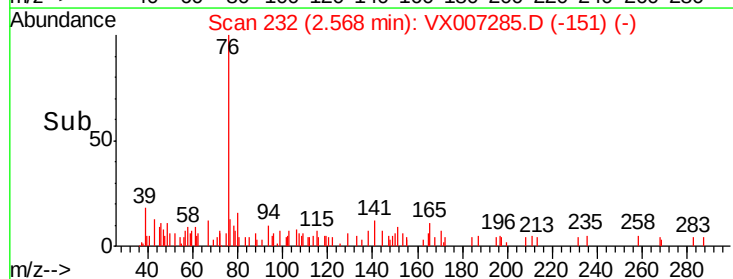
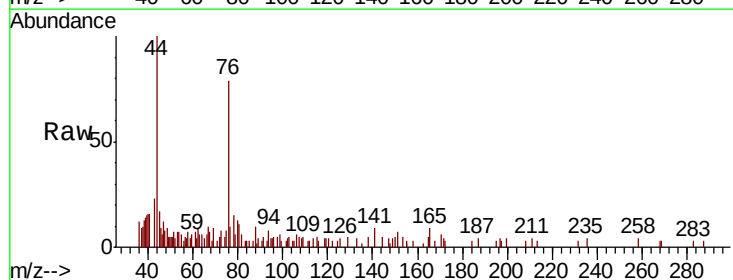
Acq: 29 Jan 2019 13:56

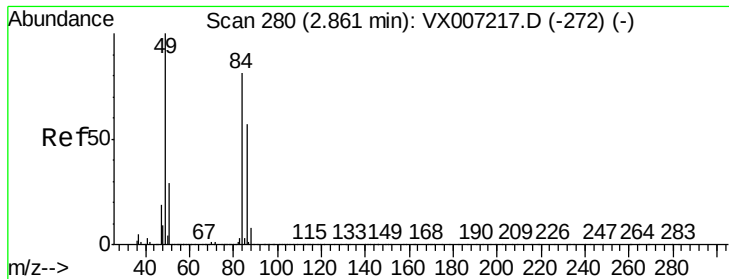
Tgt Ion: 76 Resp: 2707

Ion Ratio Lower Upper

76 100

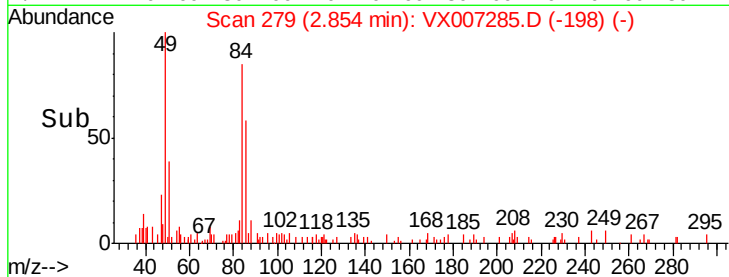
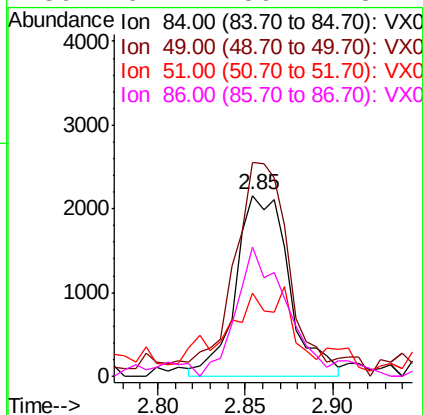
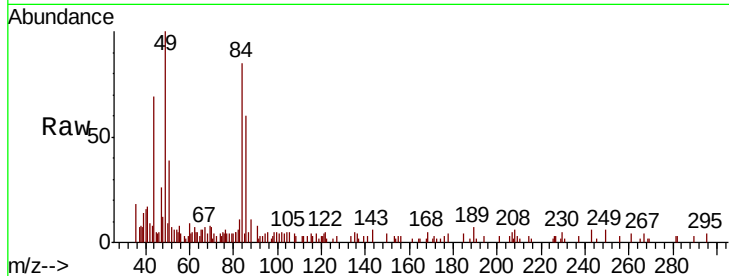
78 2.0 7.7 11.5#





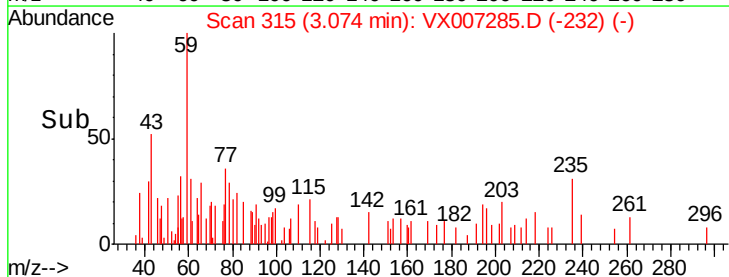
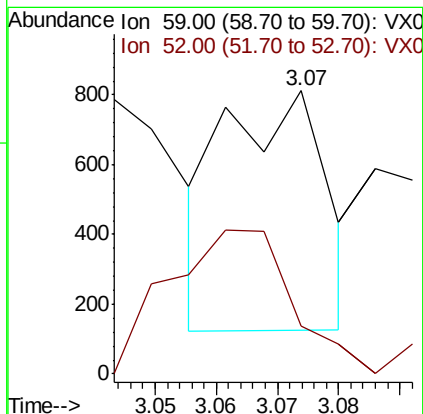
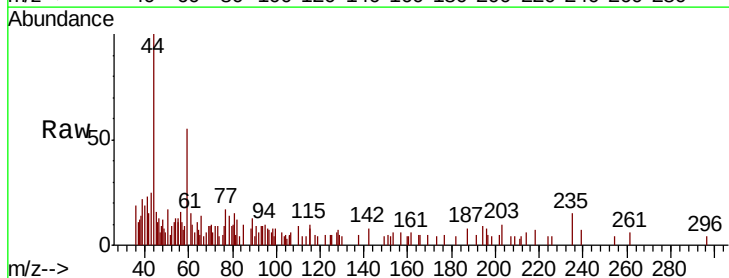
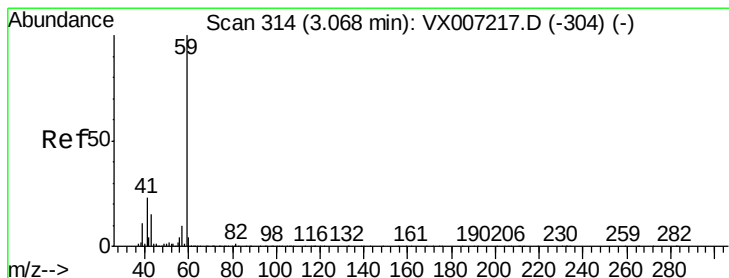
#18
Methylene Chloride
Concen: 0.955 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

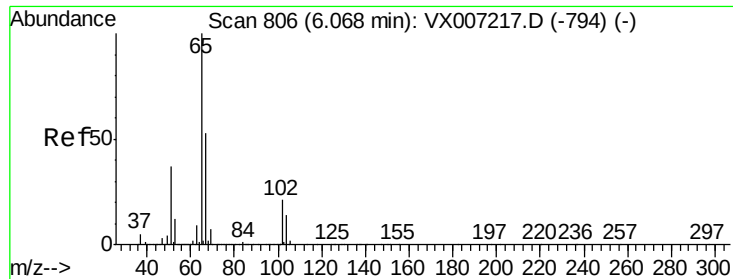
Tot Ion:	84	Resp:	4587
Ion	Ratio	Lower	Upper
84	100		
49	115.0	98.4	147.6
51	31.9	28.9	43.3
86	67.2	56.1	84.1



#23
tert-Butyl Alcohol
Concen: 0.705 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

Tgt Ion:	59	Resp:	787
Ion	Ratio	Lower	Upper
59	100		
52	73.8	0.2	0.2#





#27

1,2-Dichloroethane-d4

Concen: 30.314 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007285.D

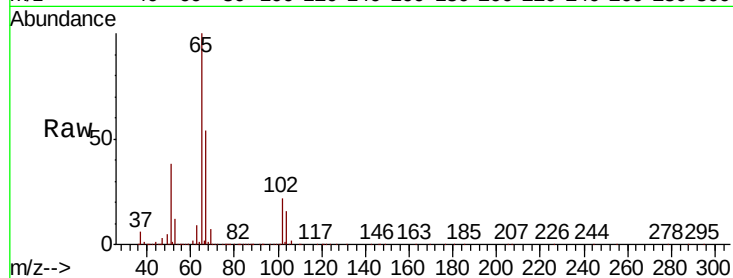
Acq: 29 Jan 2019 13:56

Tot Ion: 65 Resp: 160718

Ion Ratio Lower Upper

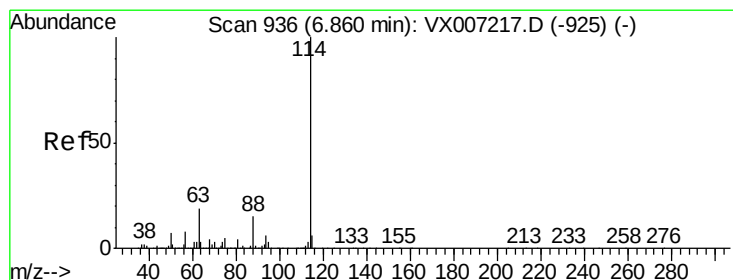
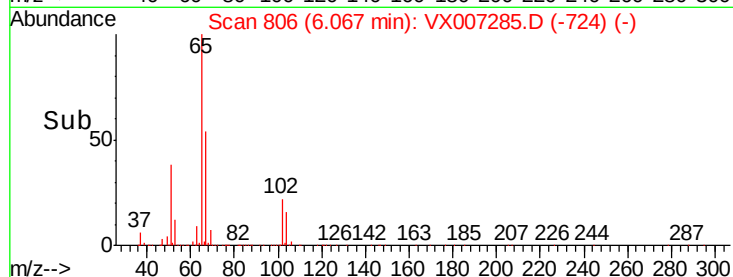
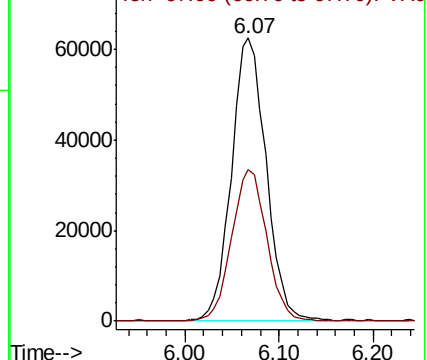
65 100

67 54.3 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: VX007285.D

Acq: 29 Jan 2019 13:56

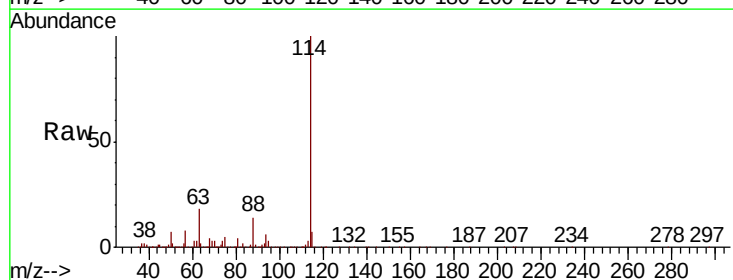
Tgt Ion: 114 Resp: 426556

Ion Ratio Lower Upper

114 100

63 18.1 14.6 21.8

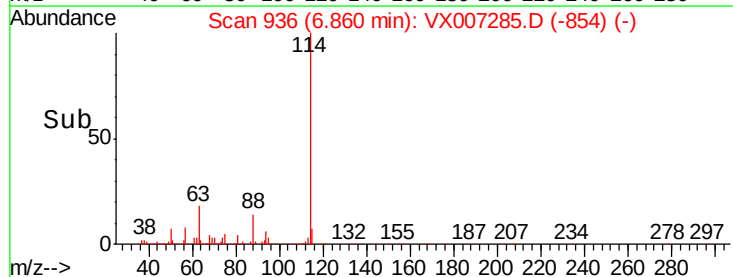
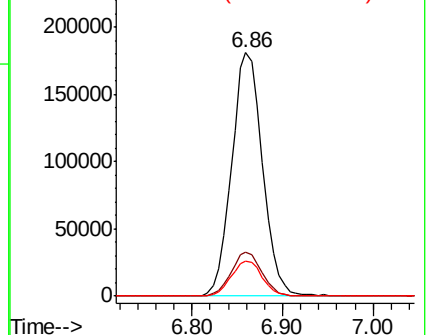
88 14.5 11.8 17.6

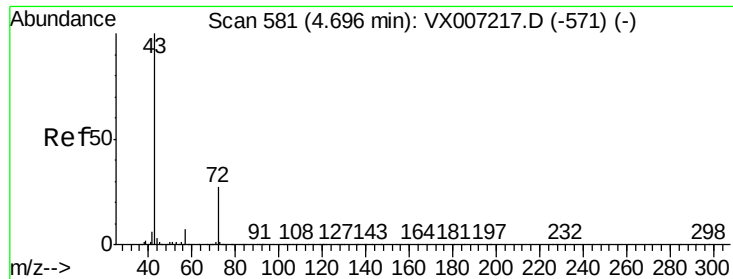


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

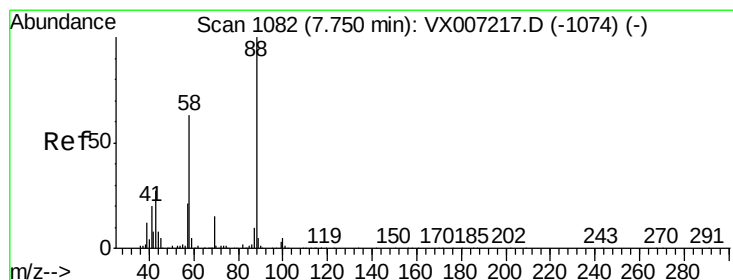
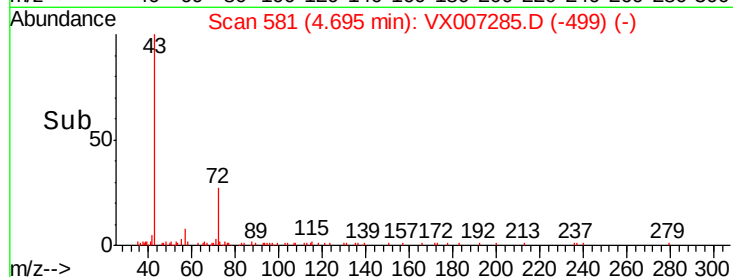
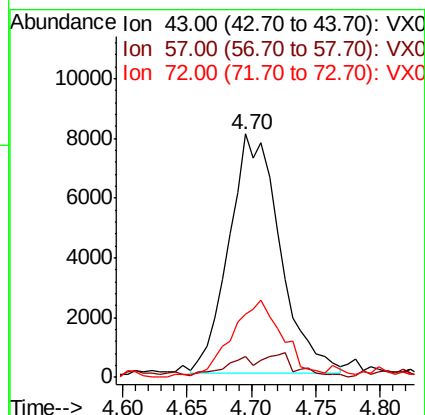
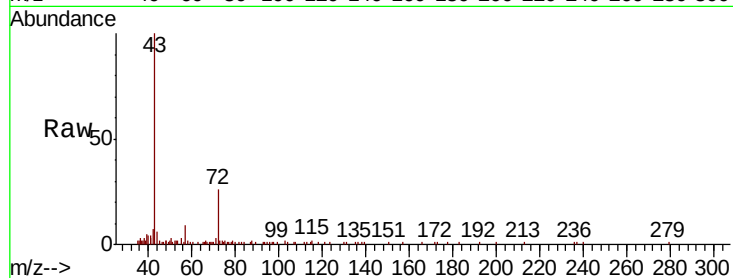
Ion 88.00 (87.70 to 88.70): VX0





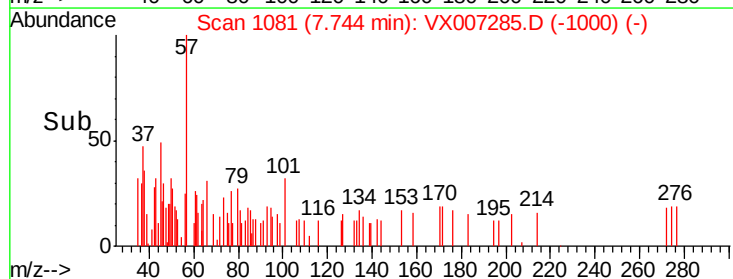
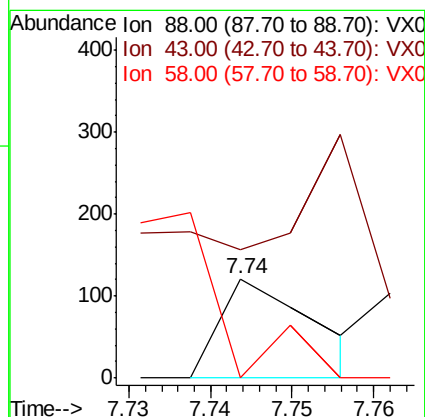
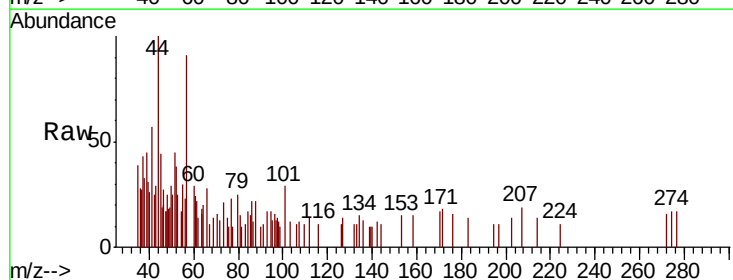
#30
2-Butanone
Concen: 6.687 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

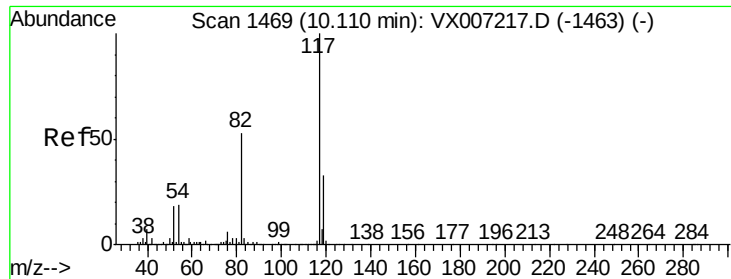
Tot Ion	Ratio	Lower	Upper
43	100		
57	4.3	3.3	4.9
72	31.2	22.0	33.0



#45
1,4-Dioxane
Concen: 0.810 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

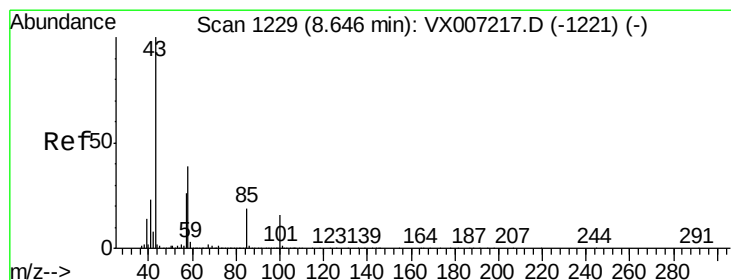
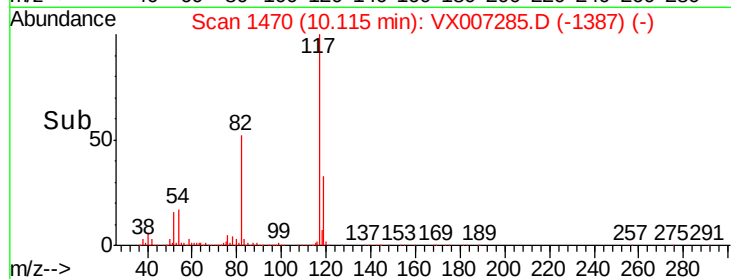
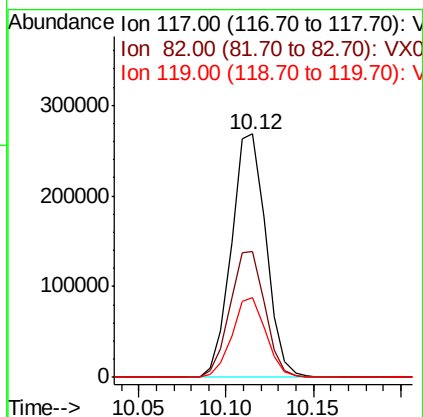
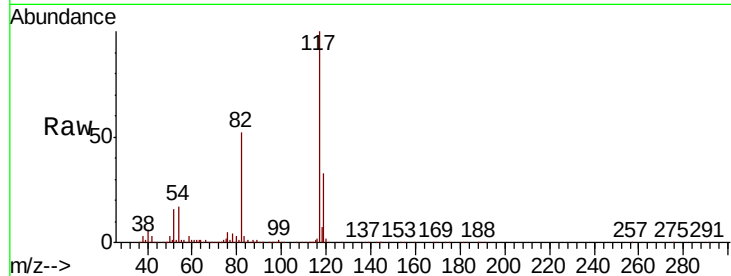
Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.5	35.3#
58	25.3	51.6	77.4#





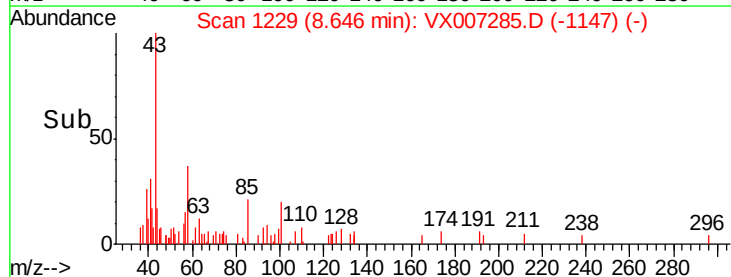
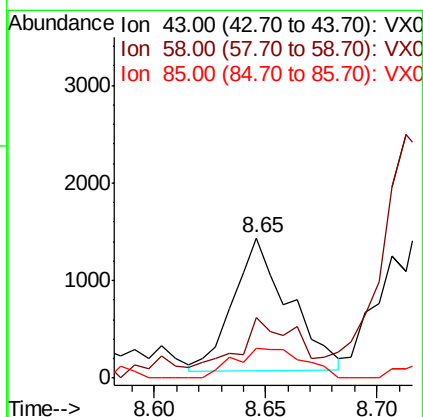
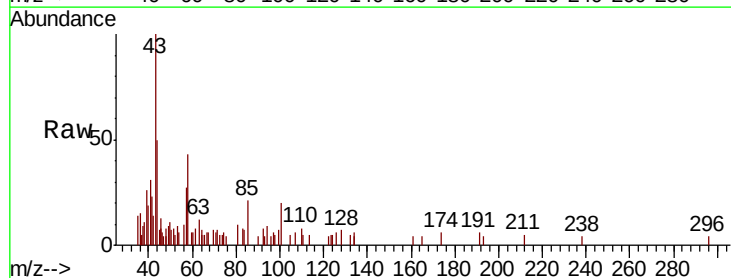
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

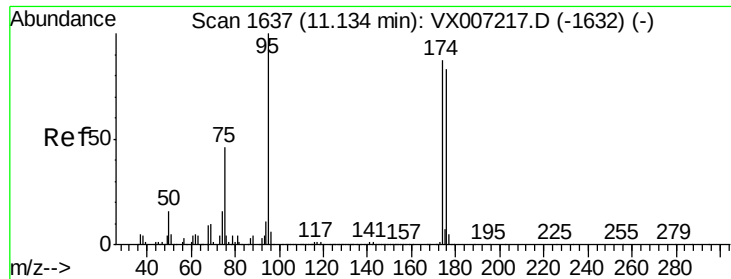
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.0
119	32.3	25.7	38.5



#58
4-Methyl-2-Pentanone
Concen: 0.381 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

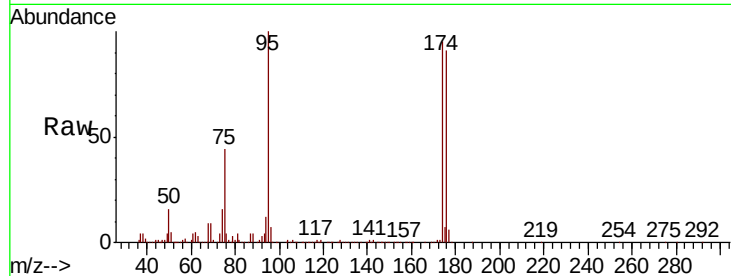
Tgt Ion	Ratio	Lower	Upper
43	100		
58	23.9	31.6	47.4#
85	28.3	14.9	22.3#



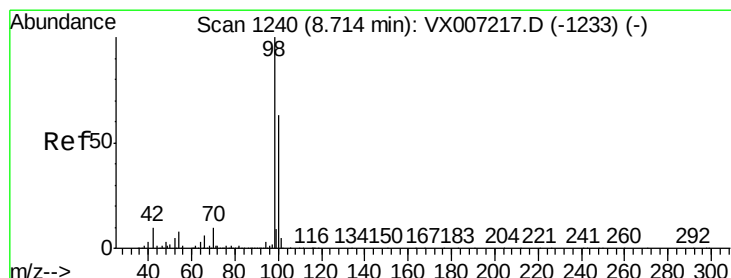
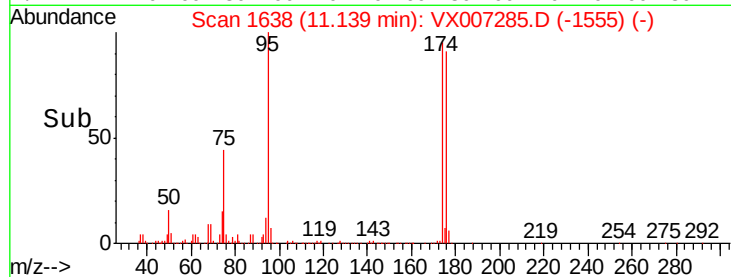
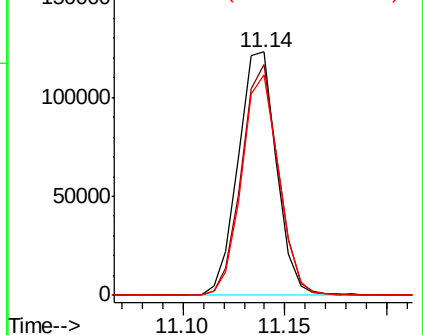


#60
4-Bromofluorobenzene
Concen: 28.133 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.01 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.5	74.8	112.2
176	88.1	72.5	108.7

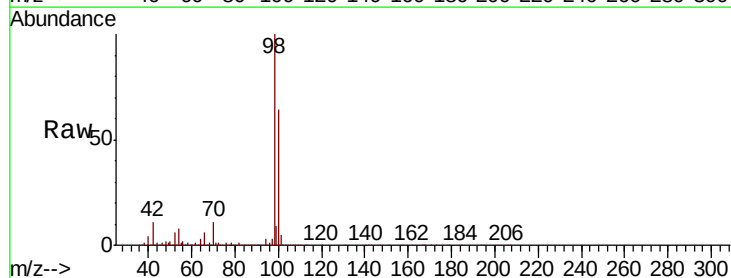


Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

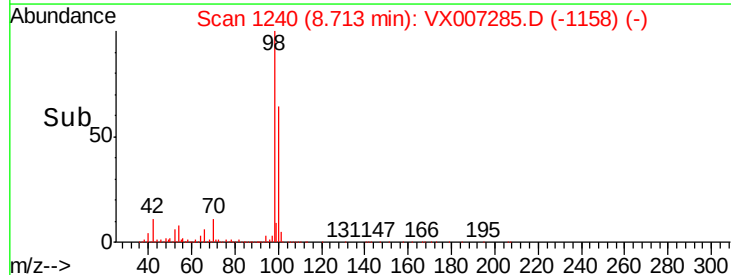
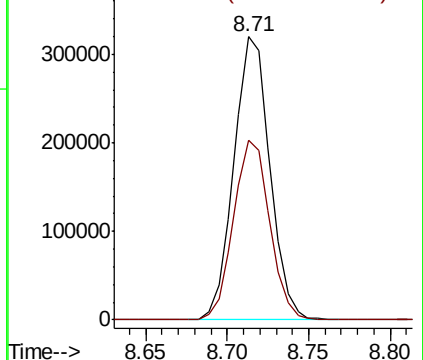


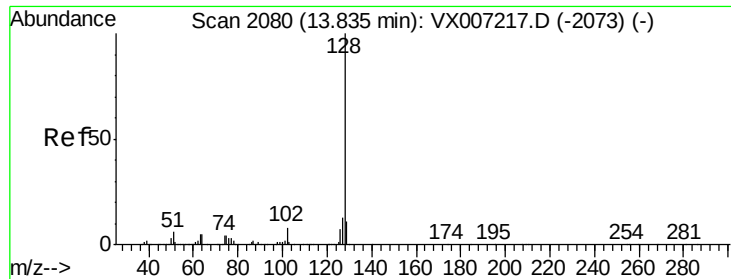
#63
Toluene-d8
Concen: 29.595 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.9	74.9



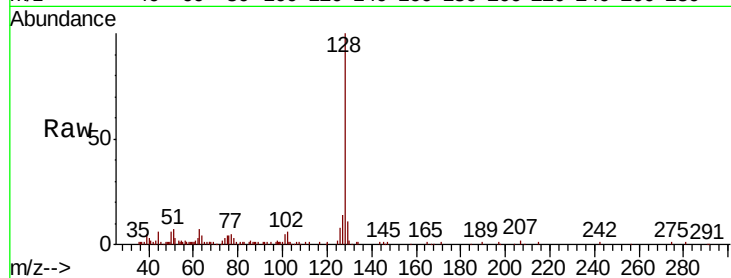
Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#91
Naphthalene
Concen: 0.861 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007285.D
Acq: 29 Jan 2019 13:56

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	10.5	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

