

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012919\
 Data File : VX007279.D
 Acq On : 29 Jan 2019 11:08
 Operator : JC/SP
 Sample : VX0129WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 30 00:44:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	531471	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	819491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	754512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	360948	50.00	ug/l	0.00

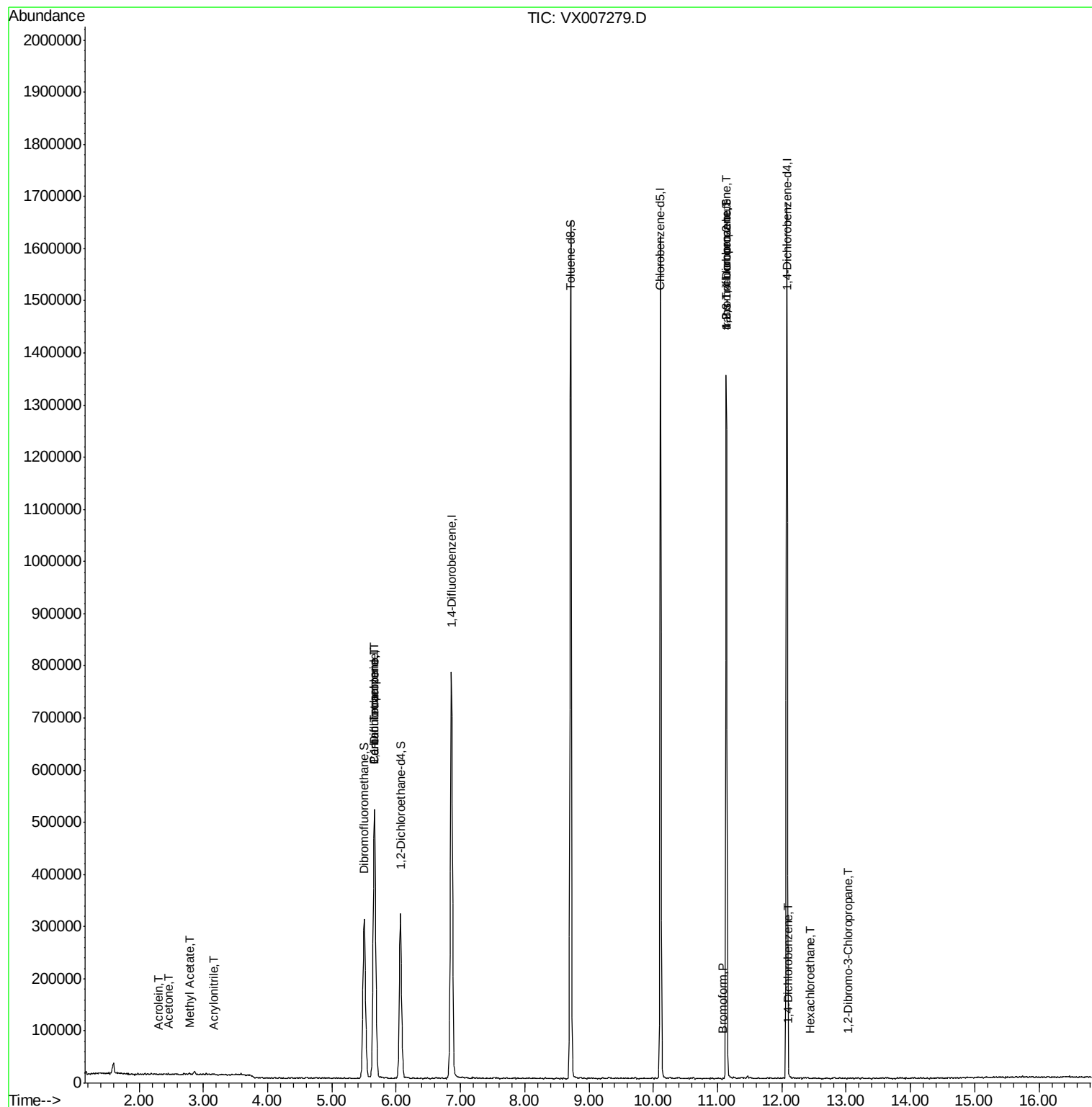
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	281058	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
35) Dibromofluoromethane	5.50	113	256168	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	969307	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	338791	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	

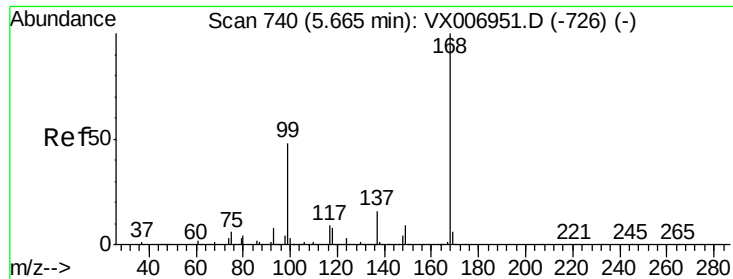
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.30	56	227	3.481	ug/l #	13
15) Acrylonitrile	3.15	53	1124	0.374	ug/l #	44
16) Acetone	2.45	43	972	0.354	ug/l #	73
18) Methyl Acetate	2.78	43	1617	0.203	ug/l #	90
36) 1,1-Dichloropropene	5.66	75	35802	5.025	ug/l #	48
38) Carbon Tetrachloride	5.66	117	47690	6.653	ug/l #	14
49) 1,4-Dioxane	7.76	88	148	Below Cal	#	1
71) Bromoform	11.08	173	91	4.744	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	160205	21.903	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	160205	64.881	ug/l #	10
88) 1,4-Dichlorobenzene	12.11	146	760	0.208	ug/l #	26
90) Hexachloroethane	12.45	117	48	2.921	ug/l	59
92) 1,2-Dibromo-3-Chloropropan	13.04	75	435	0.272	ug/l #	1

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX007279.D

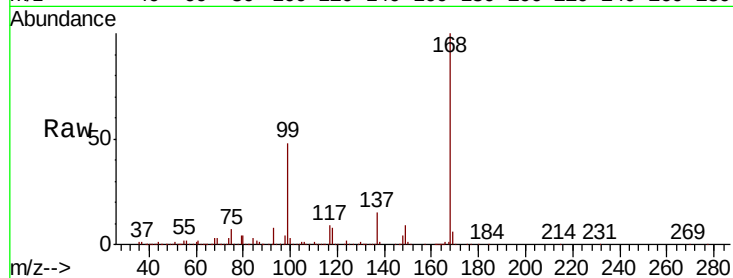
Acq: 29 Jan 2019 11:08

Tot Ion:168 Resp: 531471

Ion Ratio Lower Upper

168 100

99 47.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

200000

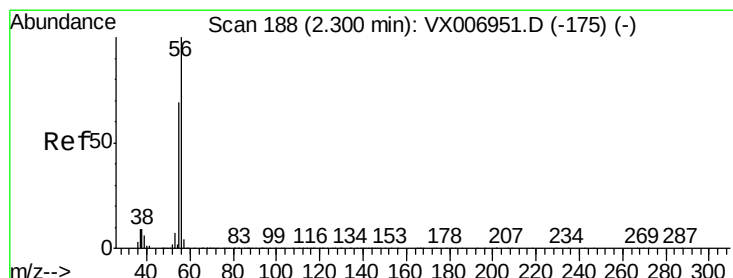
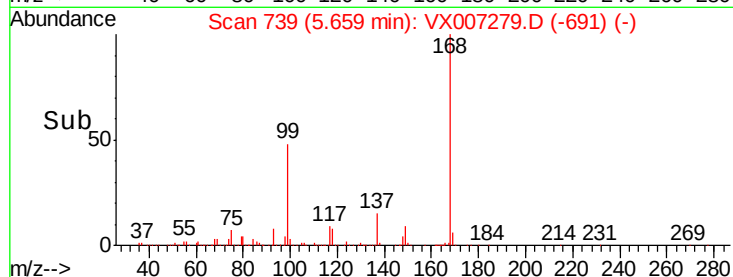
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#13

Acrolein

Concen: 3.481 ug/l

RT: 2.30 min Scan# 188

Delta R.T. -0.00 min

Lab File: VX007279.D

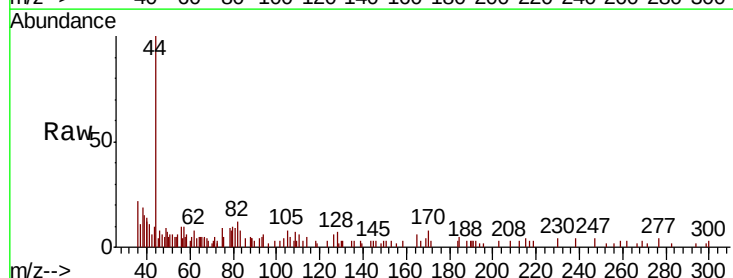
Acq: 29 Jan 2019 11:08

Tgt Ion: 56 Resp: 227

Ion Ratio Lower Upper

56 100

55 0.0 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.30

400

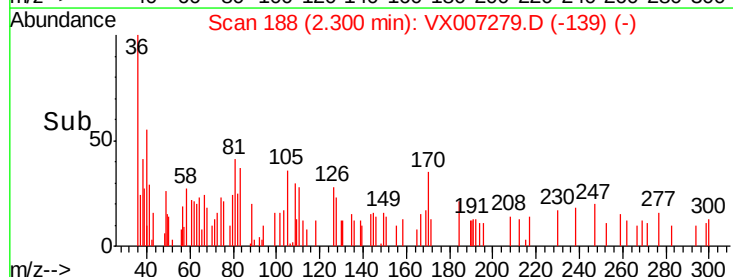
300

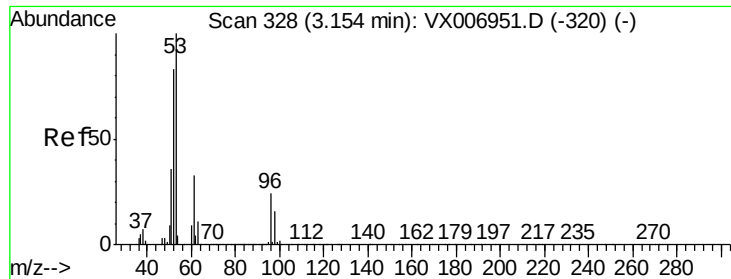
200

100

0

Time--> 2.28 2.30 2.32





#15

Acrylonitrile

Concen: 0.374 ug/l

RT: 3.15 min Scan# 328

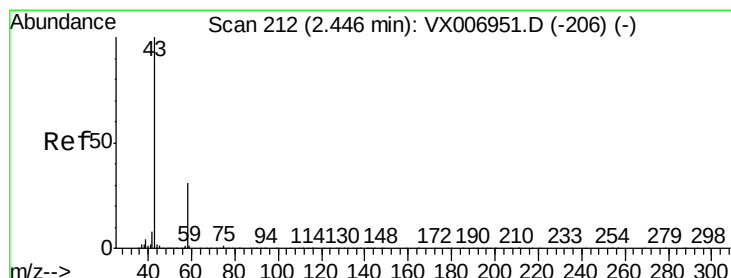
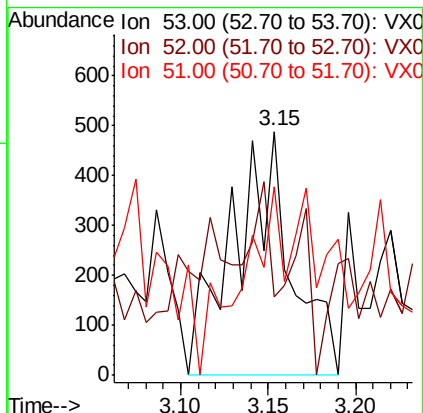
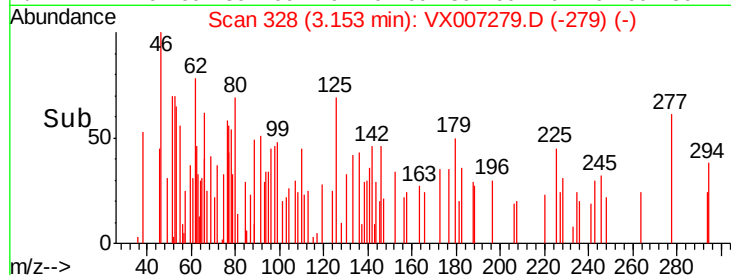
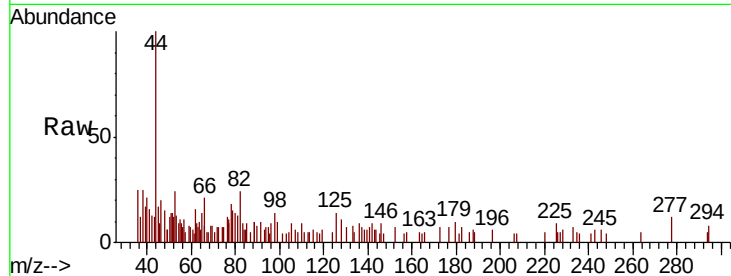
Delta R.T. -0.00 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

Tot Ion: 53 Resp: 1124

Ion	Ratio	Lower	Upper
53	100		
52	23.8	66.0	99.0#
51	55.3	28.6	42.8#



#16

Acetone

Concen: 0.354 ug/l

RT: 2.45 min Scan# 213

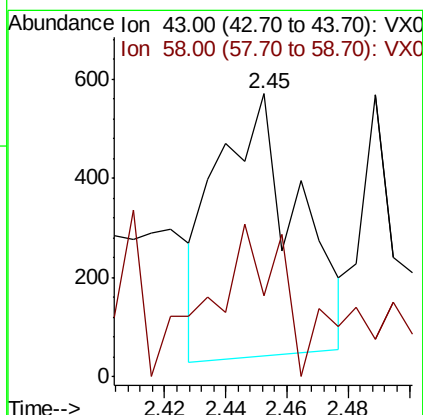
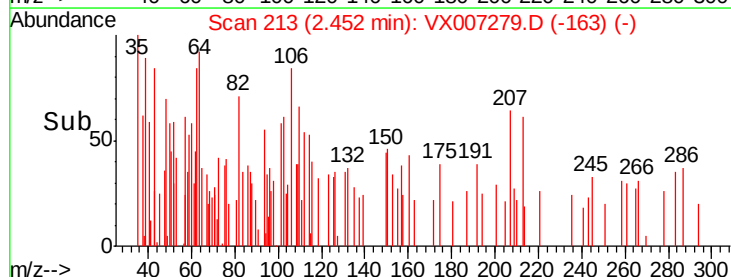
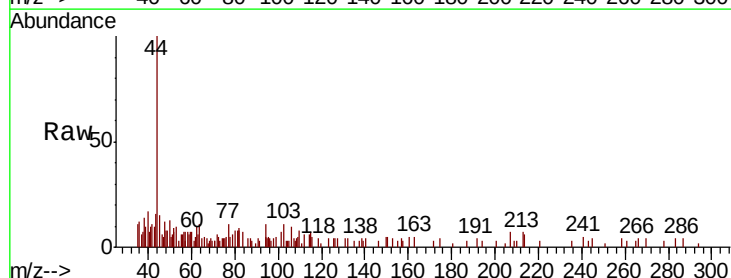
Delta R.T. 0.01 min

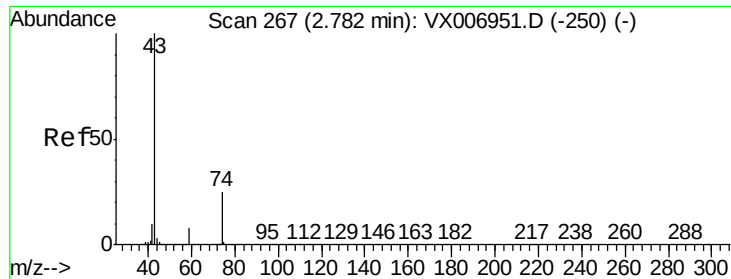
Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

Tgt Ion: 43 Resp: 972

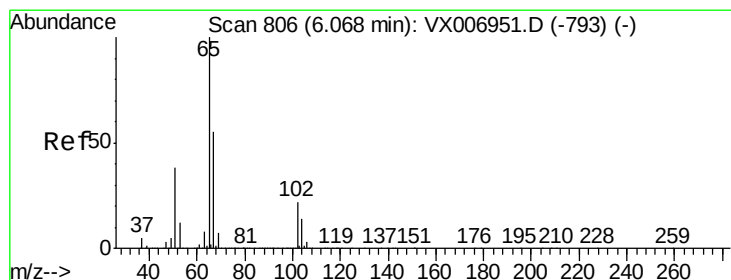
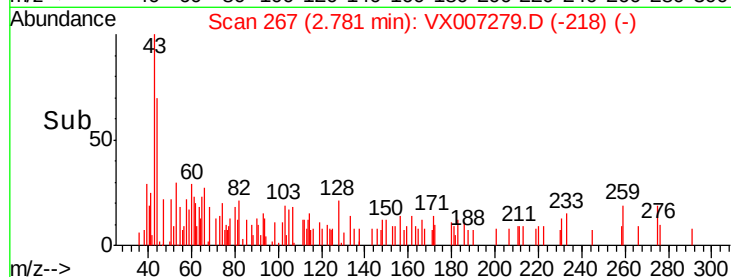
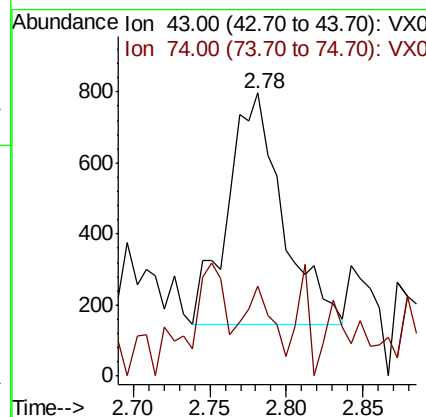
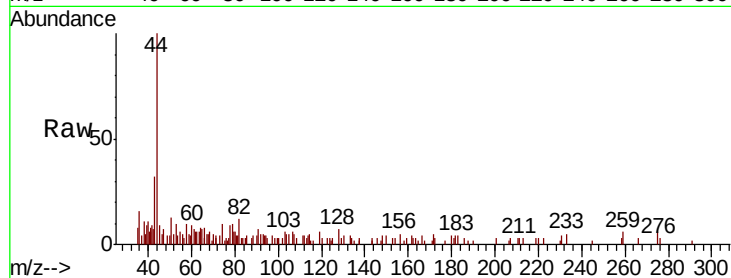
Ion	Ratio	Lower	Upper
43	100		
58	16.7	25.0	37.6#





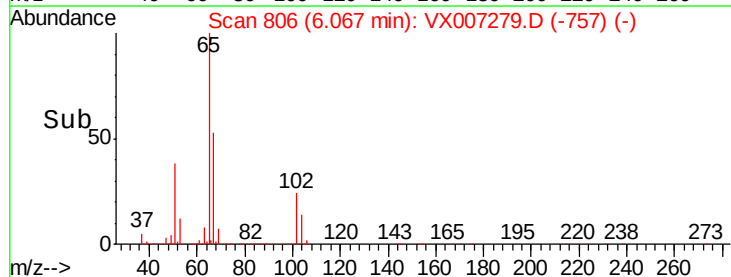
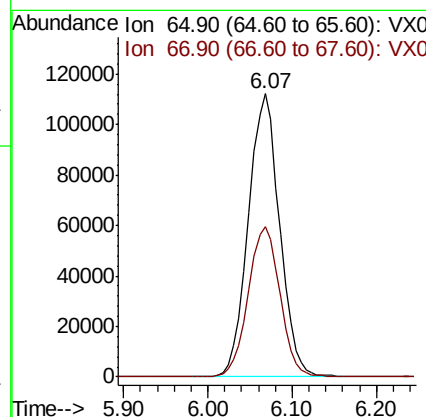
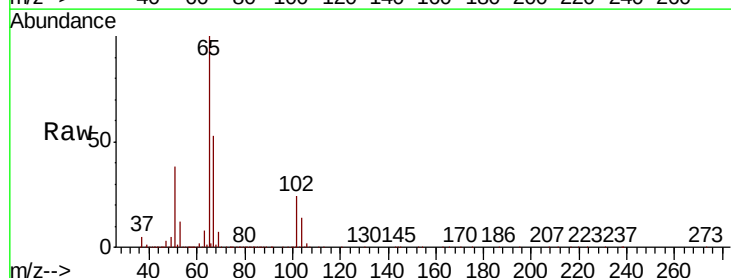
#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

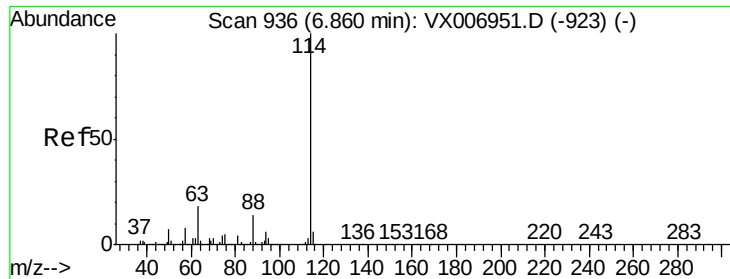
Tot Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
74 18.3 18.6 28.0#



#33
1,2-Dichloroethane-d4
Concen: 50.602 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

Tgt Ion: 65 Resp: 281058
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

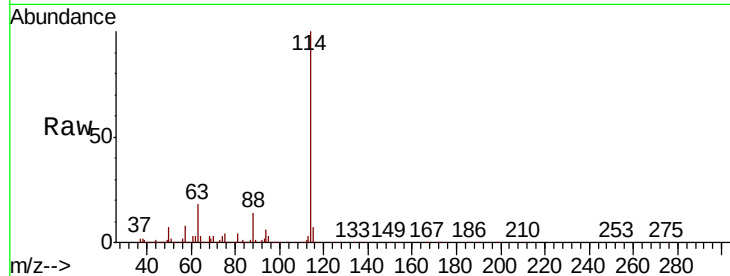
Tot Ion:114 Resp: 819491

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

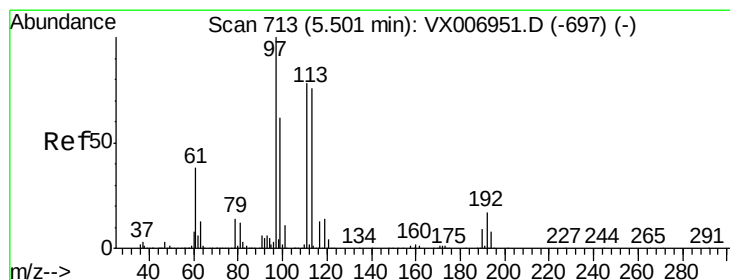
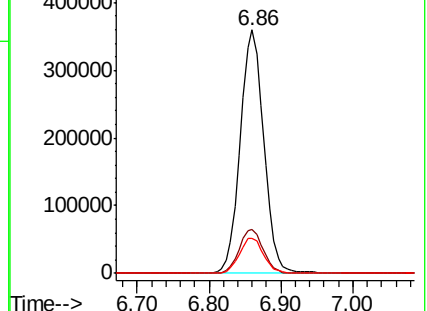
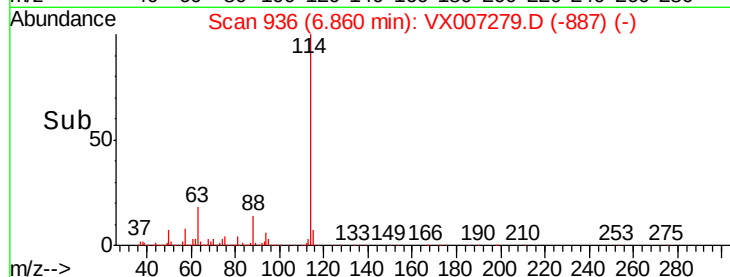
88 14.1 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.813 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

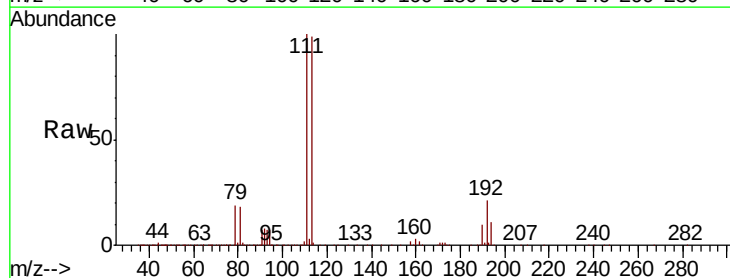
Tgt Ion:113 Resp: 256168

Ion Ratio Lower Upper

113 100

111 103.0 81.6 122.4

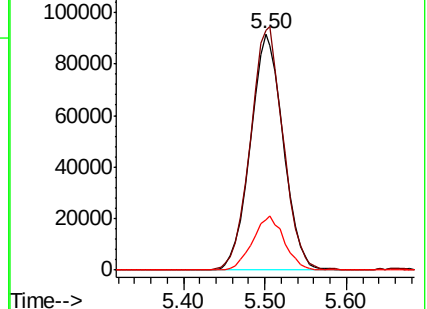
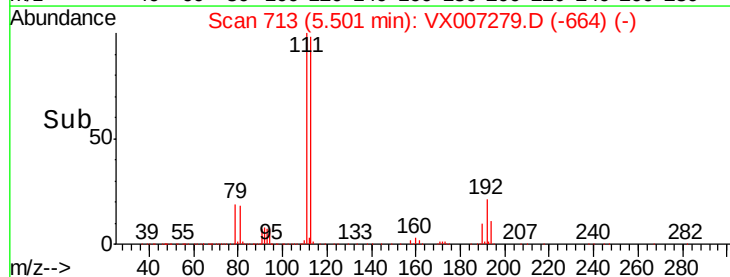
192 22.3 16.7 25.1

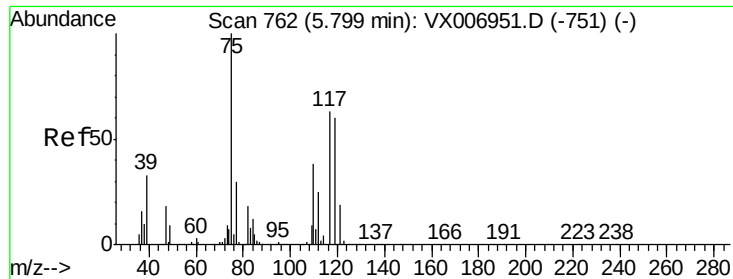


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.025 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

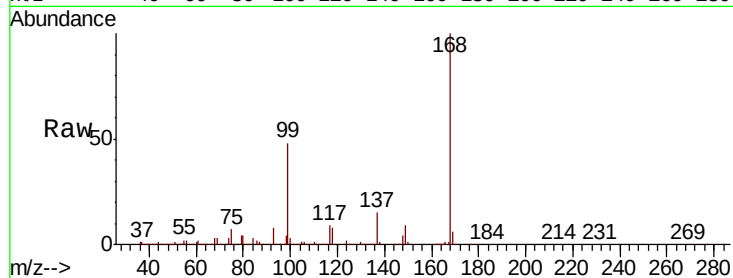
Tot Ion: 75 Resp: 35802

Ion Ratio Lower Upper

75 100

110 10.6 20.2 60.5#

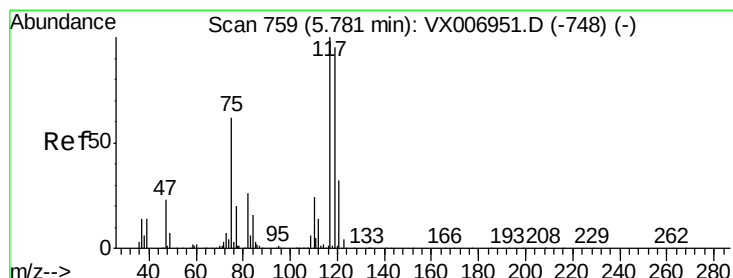
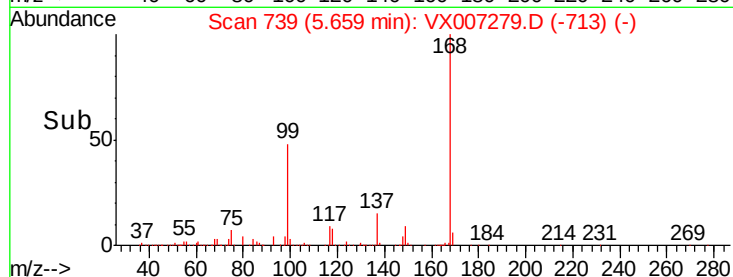
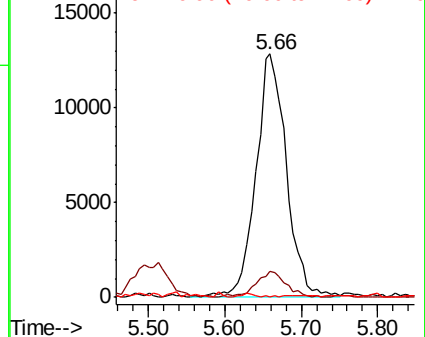
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

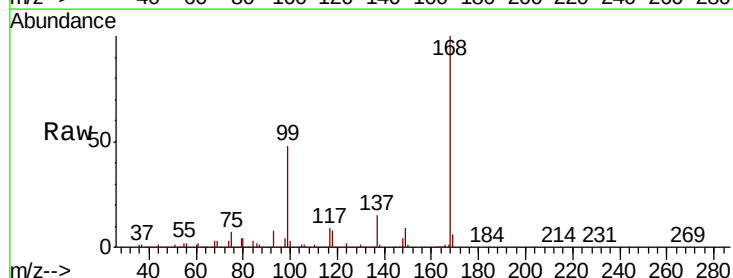
Tgt Ion: 117 Resp: 47690

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

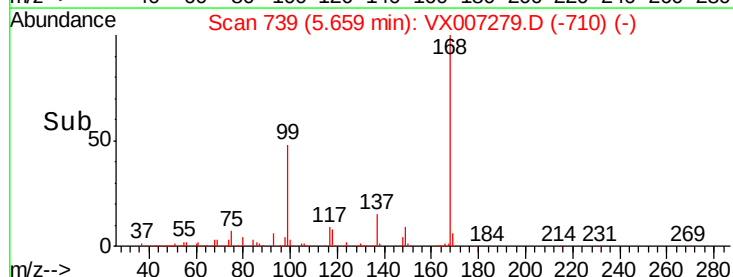
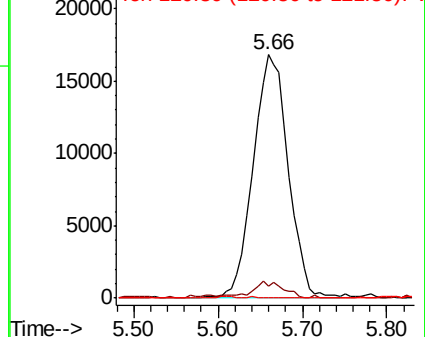
121 0.0 24.0 36.0#

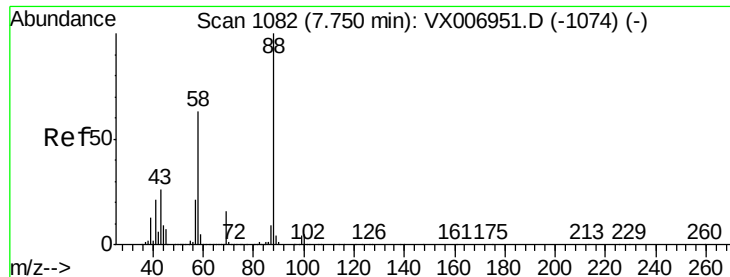


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: Below Cal

RT: 7.76 min Scan# 1083

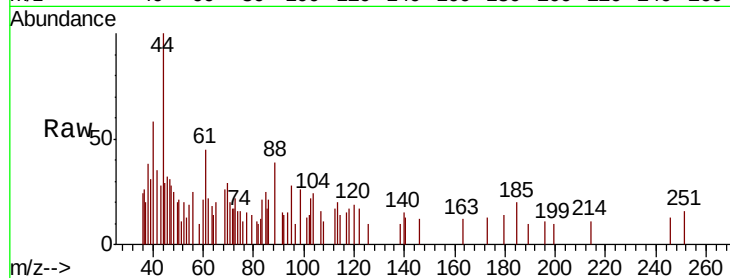
Delta R.T. 0.01 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

Tot Ion: 88 Resp: 148

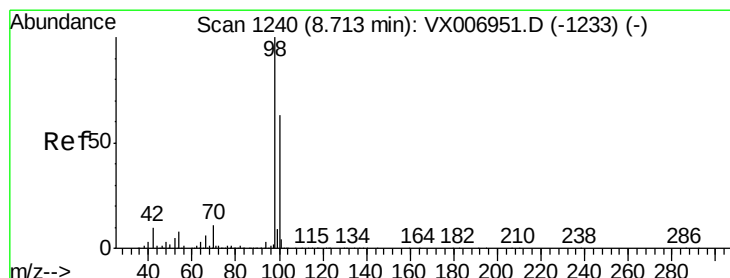
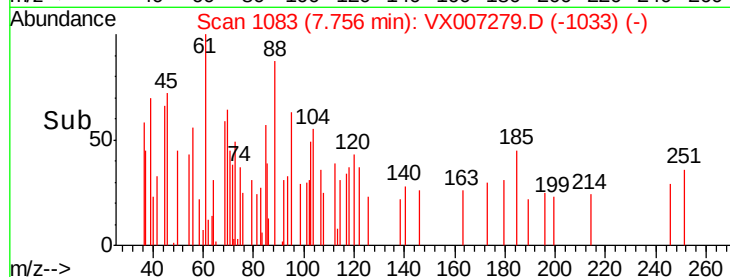
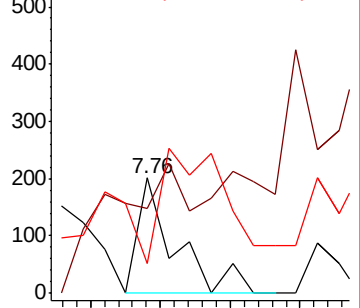
Ion	Ratio	Lower	Upper
88	100		
43	237.2	22.2	33.4#
58	166.2	51.0	76.4#



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



#50

Toluene-d8

Concen: 50.461 ug/l

RT: 8.71 min Scan# 1240

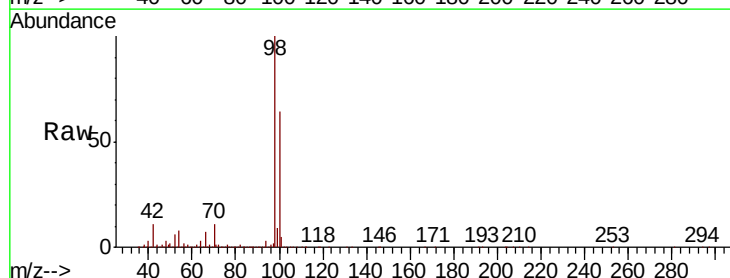
Delta R.T. -0.00 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

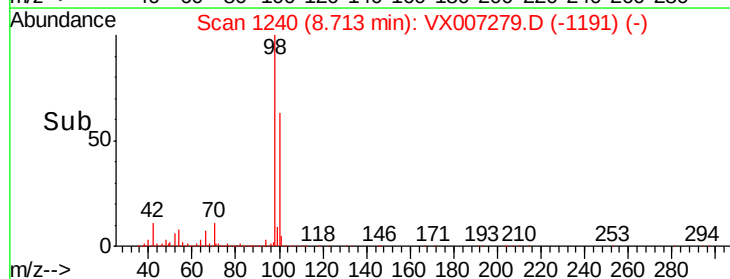
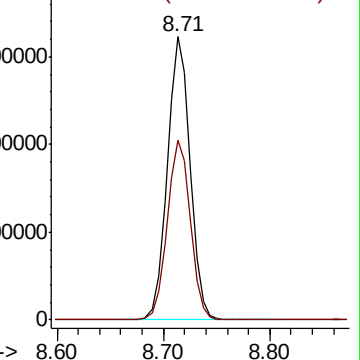
Tgt Ion: 98 Resp: 969307

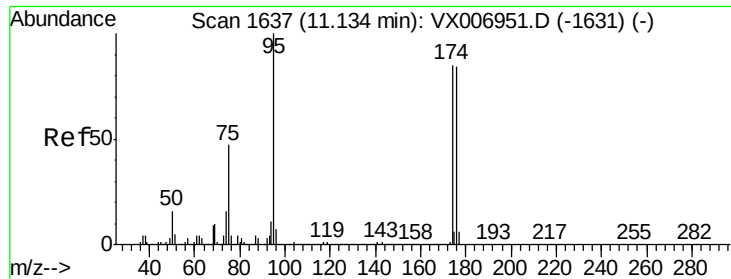
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

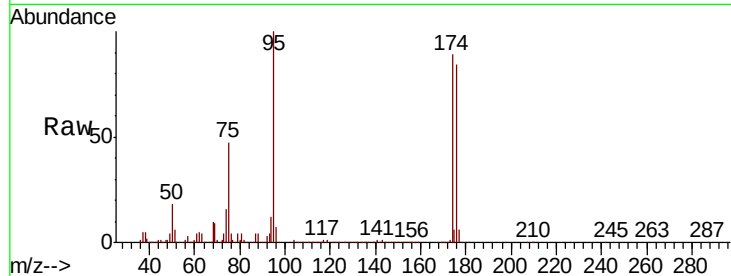
Ion 100.00 (99.70 to 100.70): V



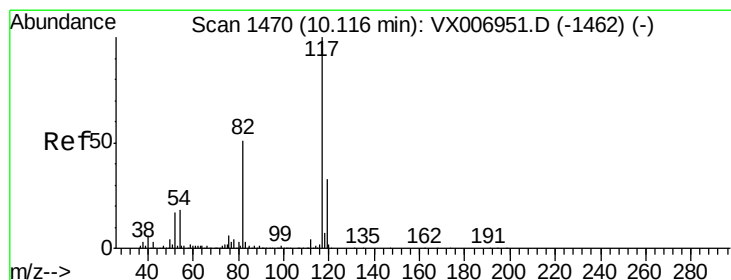
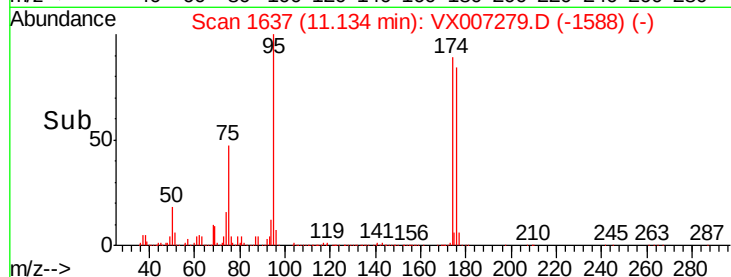
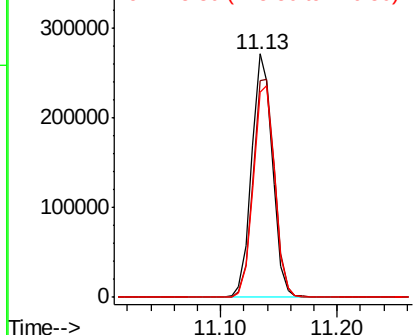


#62
4-Bromofluorobenzene
Concen: 50.590 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

Tot Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	182.2
176	89.7	0.0	178.8

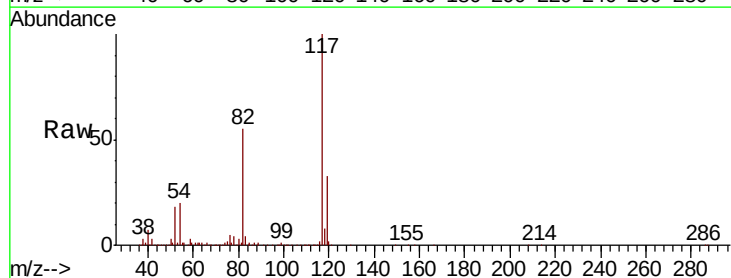


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

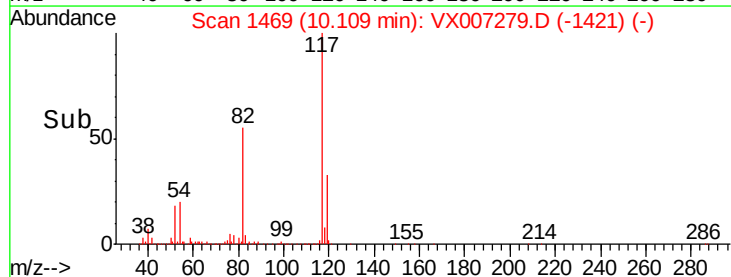
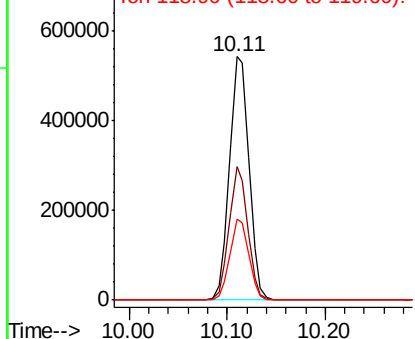


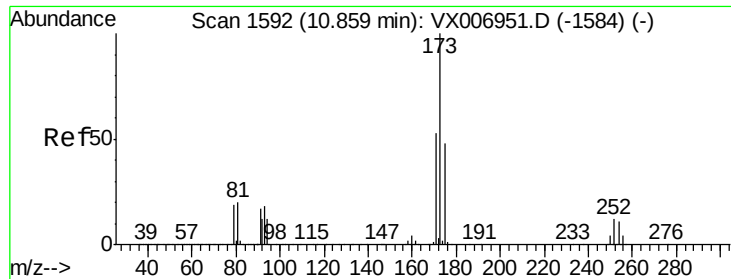
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.0	61.6
119	33.5	25.4	38.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V





#71

Bromoform

Concen: 4.744 ug/l

RT: 11.08 min Scan# 1629

Delta R.T. 0.23 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

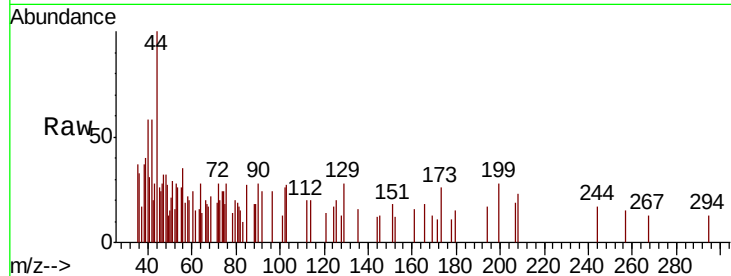
Tot Ion:173 Resp: 91

Ion Ratio Lower Upper

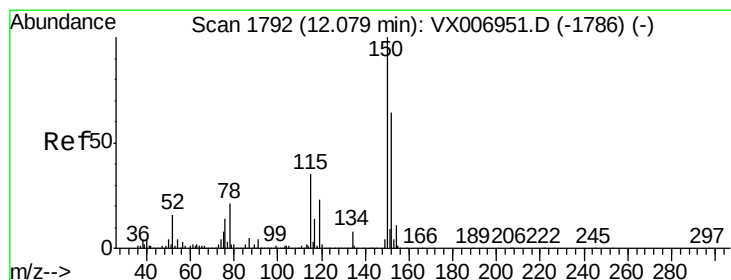
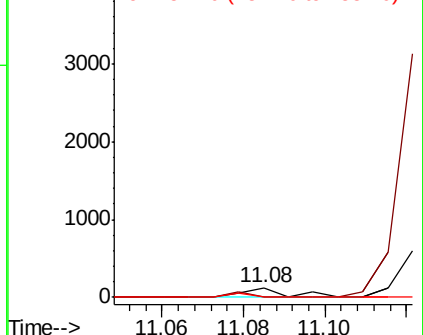
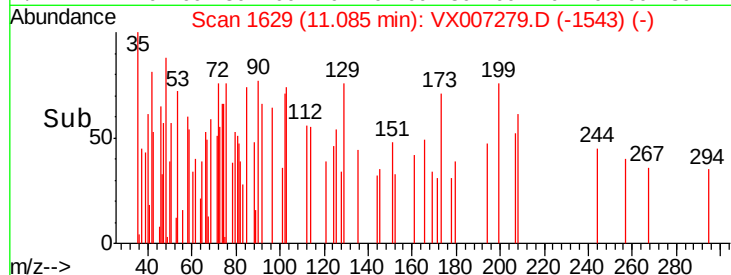
173 100

175 0.0 24.7 74.1#

254 22.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007279.D

Acq: 29 Jan 2019 11:08

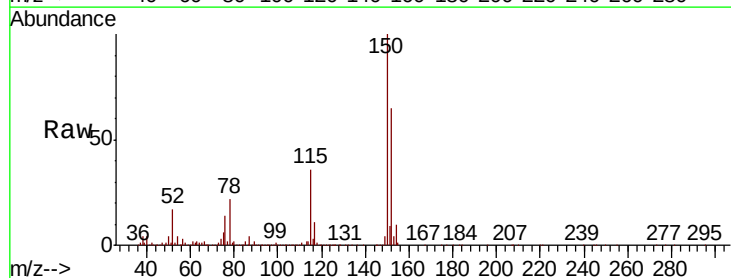
Tgt Ion:152 Resp: 360948

Ion Ratio Lower Upper

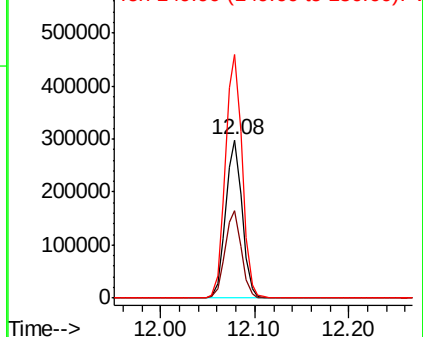
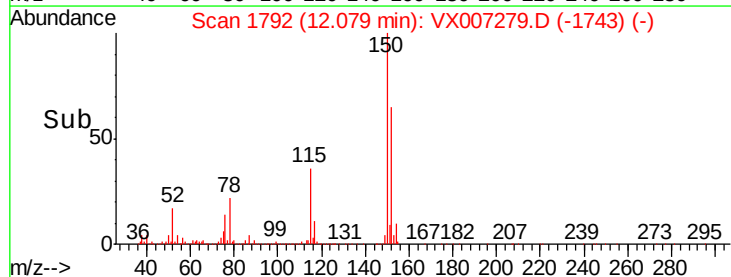
152 100

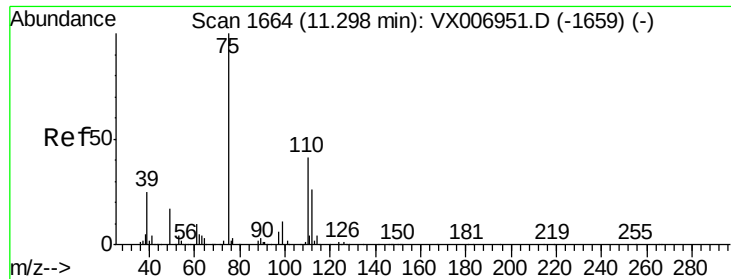
115 54.6 39.1 117.2

150 156.9 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

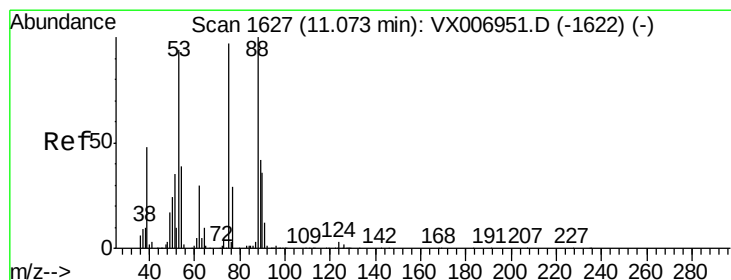
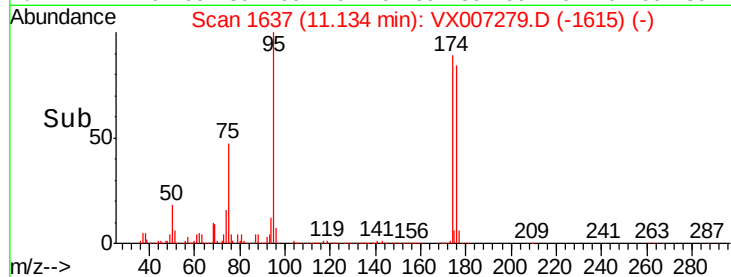
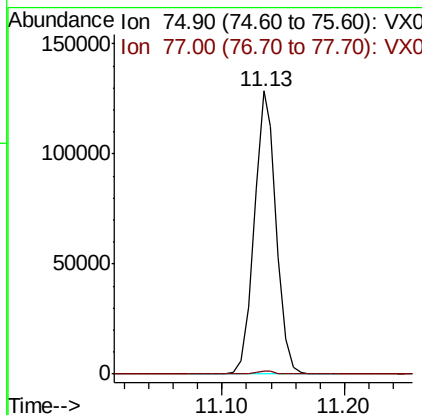
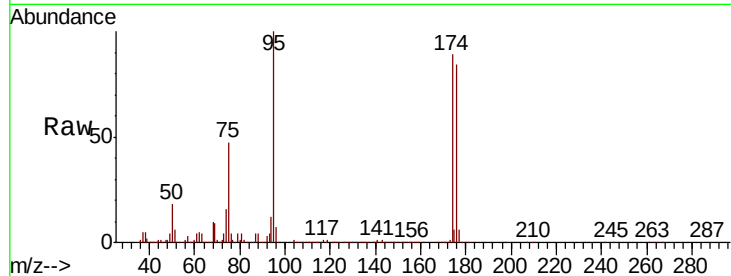




#76

1,2,3-Trichloropropane
Concen: 21.903 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

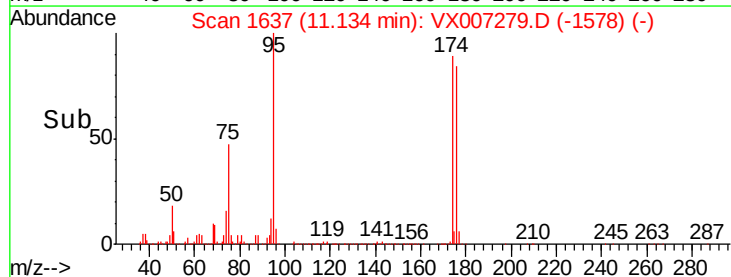
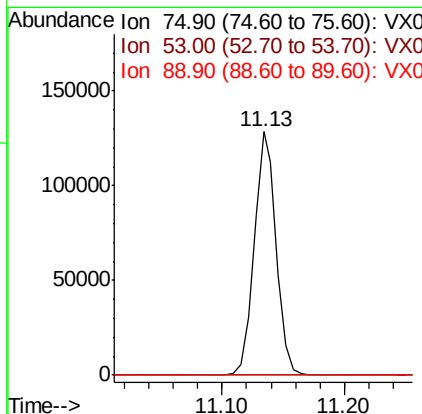
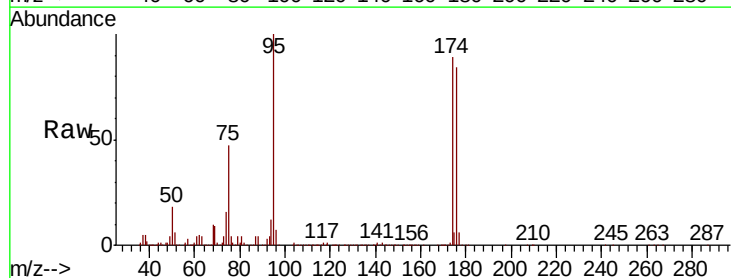
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.4	18.5	55.5#

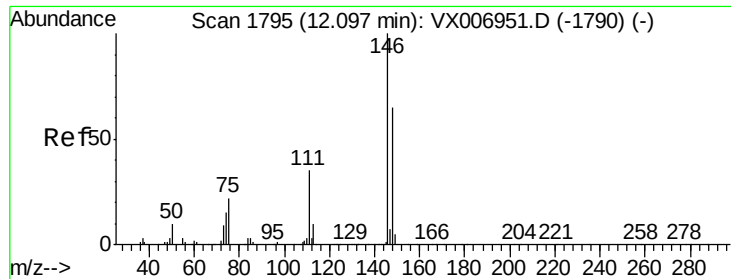


#81

trans-1,4-Dichloro-2-butene
Concen: 64.881 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX007279.D
Acq: 29 Jan 2019 11:08

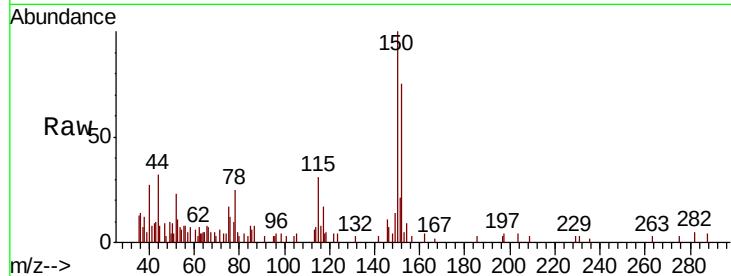
Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	79.7	119.5#
89	0.0	38.0	57.0#



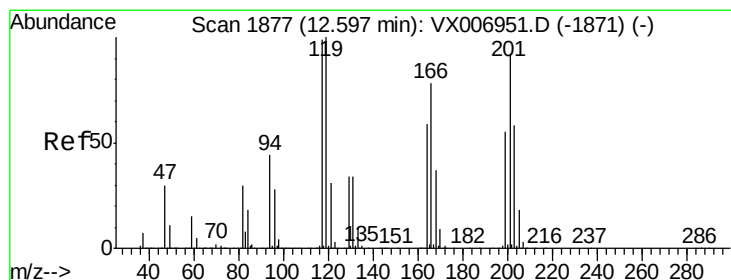
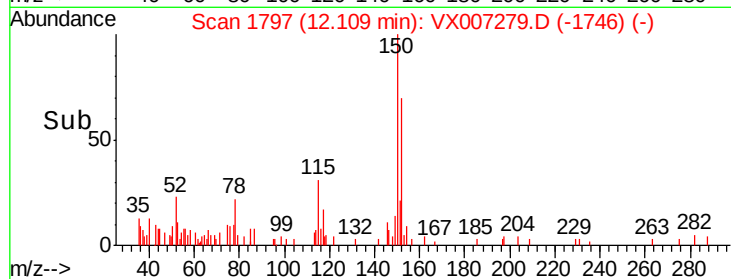
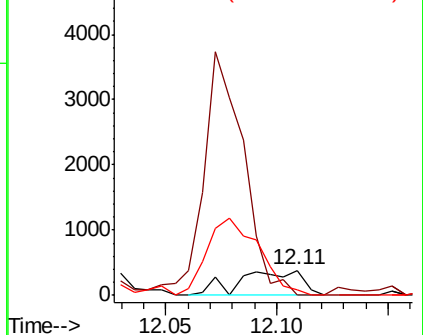


#88
 1,4-Dichlorobenzene
 Concen: 0.208 ug/l
 RT: 12.11 min Scan# 1797
 Delta R.T. 0.01 min
 Lab File: VX007279.D
 Acq: 29 Jan 2019 11:08

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	18.1	54.1#
148	0.0	31.9	95.9#

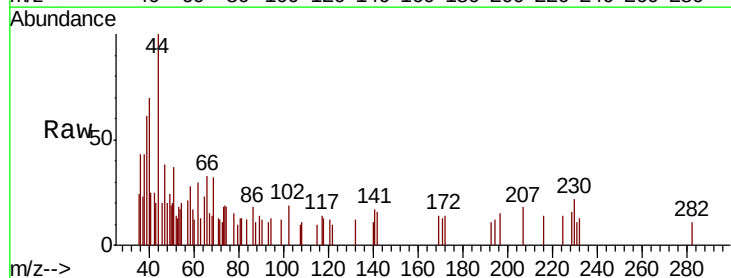


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

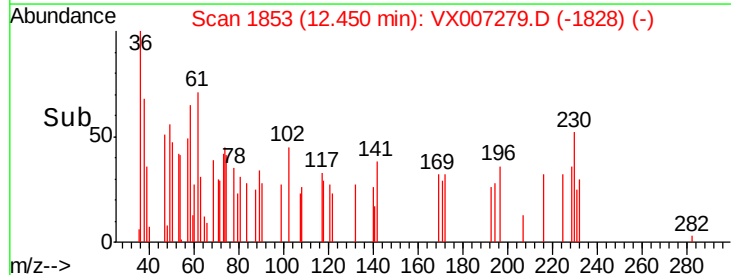
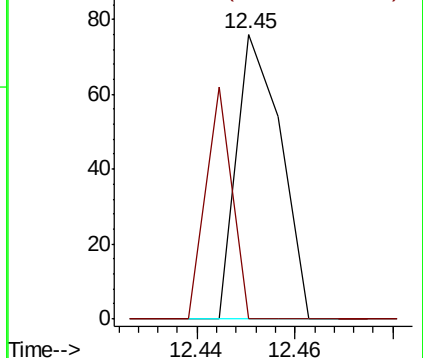


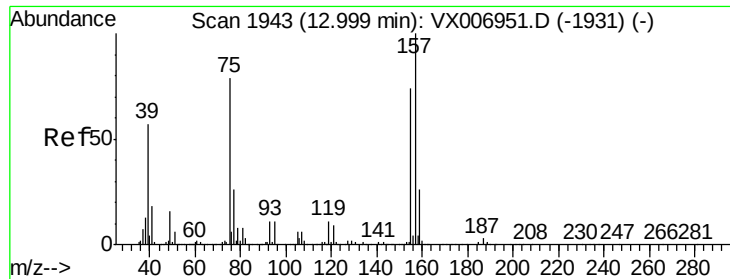
#90
 Hexachloroethane
 Concen: 2.921 ug/l
 RT: 12.45 min Scan# 1853
 Delta R.T. -0.15 min
 Lab File: VX007279.D
 Acq: 29 Jan 2019 11:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	47.9	42.9	128.7



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 200.70 (200.40 to 201.40): V





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.272 ug/l
 RT: 13.04 min Scan# 1949
 Delta R.T. 0.04 min
 Lab File: VX007279.D
 Acq: 29 Jan 2019 11:08

Tot Ion	Ratio	Lower	Upper
75	100		
155	9.0	50.6	151.8#
157	4.4	64.6	193.8#

