

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012619\
 Data File : VX007247.D
 Acq On : 25 Jan 2019 23:21
 Operator : JC/SP
 Sample : K1228-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Jan 28 02:12:28 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	5.67	168	539540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	826028	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	801840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402747	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	292035	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
35) Dibromofluoromethane	5.51	113	258823	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
50) Toluene-d8	8.71	98	1021130	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.13	95	368103	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	

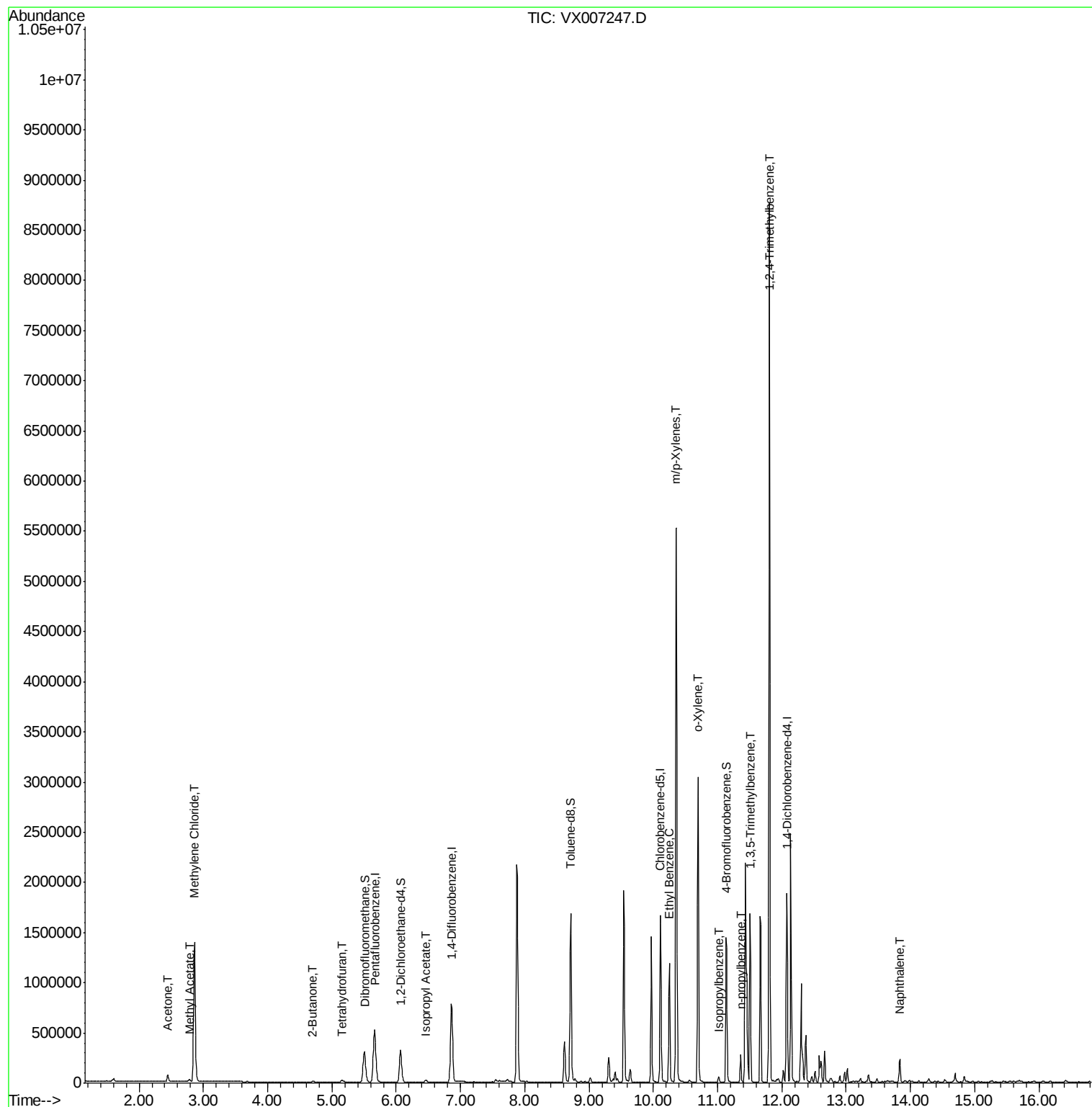
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	66589	23.888	ug/l	98
18) Methyl Acetate	2.78	43	25560	3.166	ug/l	91
20) Methylene Chloride	2.86	84	640630	121.639	ug/l	95
25) 2-Butanone	4.70	43	15536	3.895	ug/l	97
29) Tetrahydrofuran	5.16	42	16543	6.382	ug/l	97
43) Isopropyl Acetate	6.46	43	27261	2.245	ug/l	97
67) Ethyl Benzene	10.25	91	679993	23.552	ug/l	100
68) m/p-Xylenes	10.36	106	1376598	121.021	ug/l	99
69) o-Xylene	10.70	106	671406	60.523	ug/l	98
73) Isopropylbenzene	11.02	105	28984	1.021	ug/l	97
78) n-propylbenzene	11.36	91	164943	5.291	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	705121	29.715	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	3859849	161.755	ug/l	99
95) Naphthalene	13.83	128	154143	5.312	ug/l	100

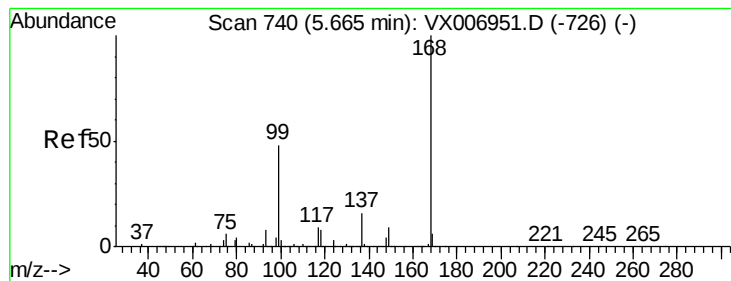
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

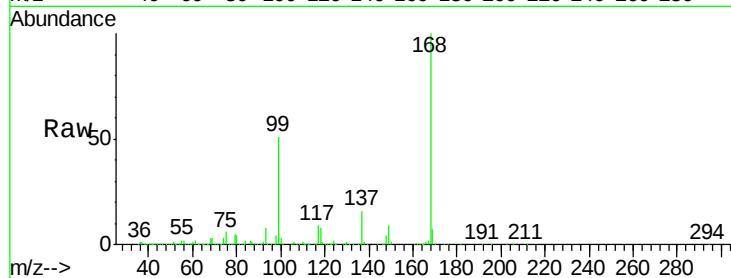
COMP-1

Tot Ion:168 Resp: 539540

Ion Ratio Lower Upper

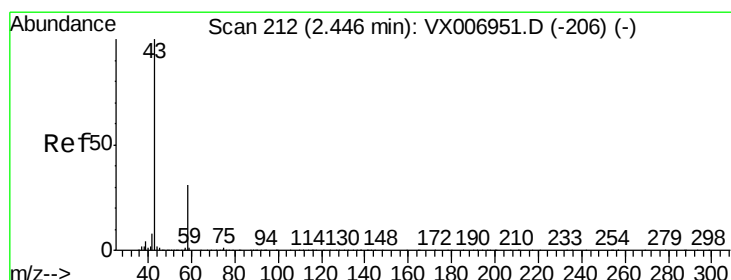
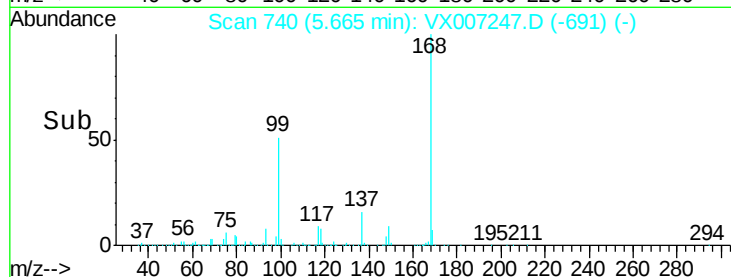
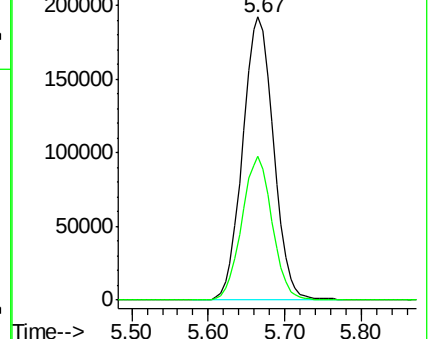
168 100

99 50.6 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 23.888 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007247.D

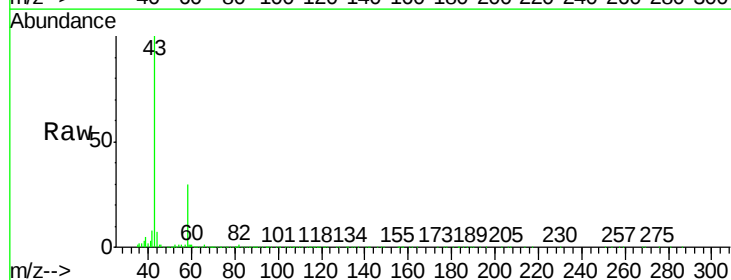
Acq: 25 Jan 2019 23:21

Tgt Ion: 43 Resp: 66589

Ion Ratio Lower Upper

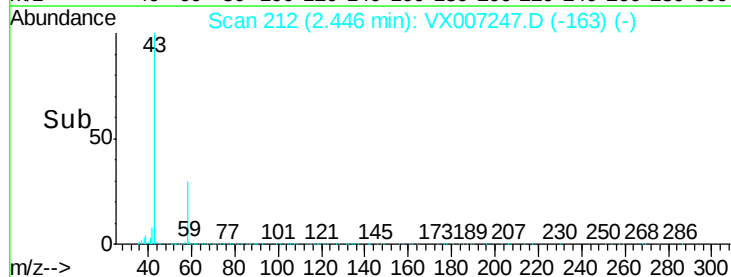
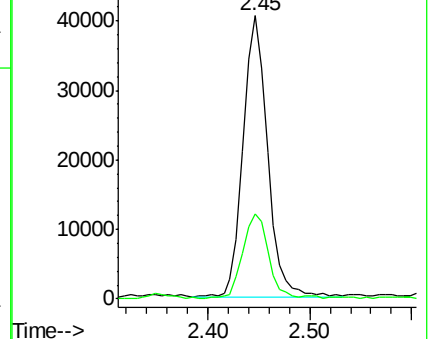
43 100

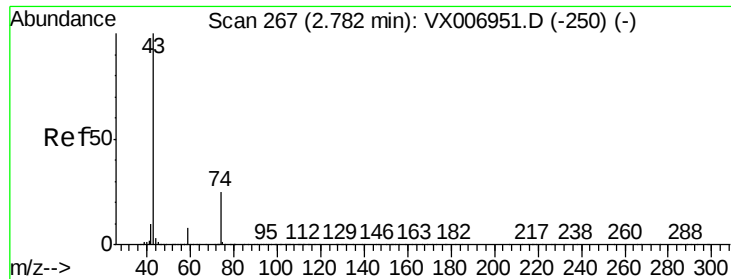
58 30.0 25.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

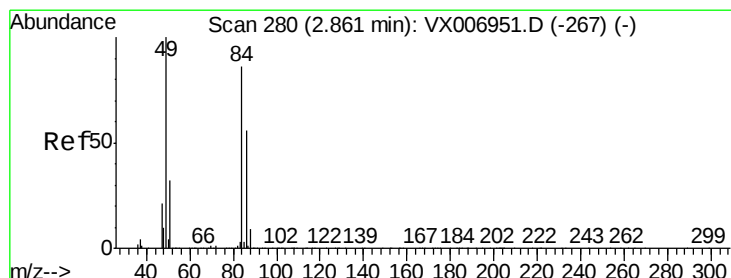
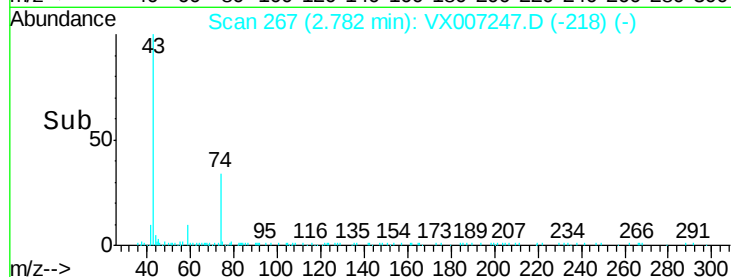
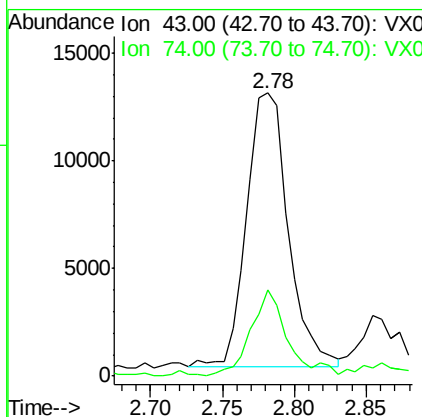
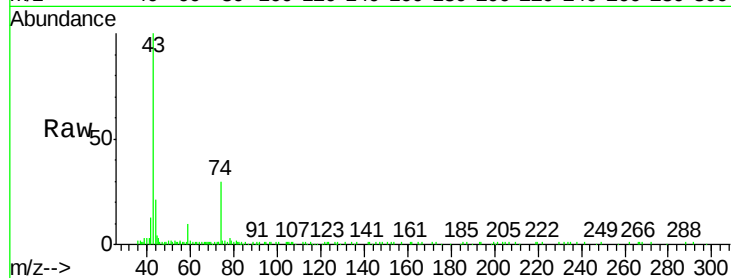




#18
Methyl Acetate
Concen: 3.166 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

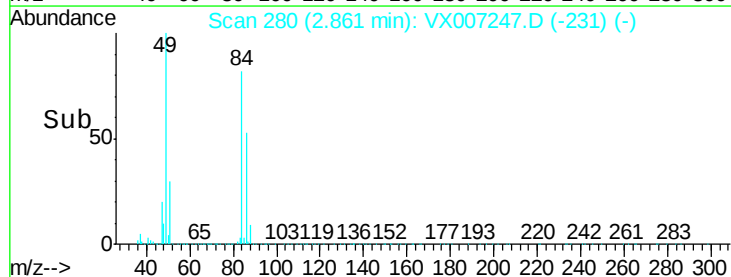
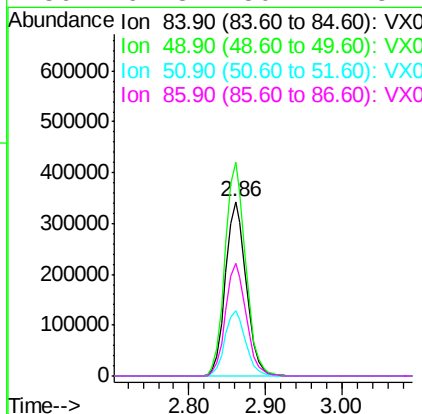
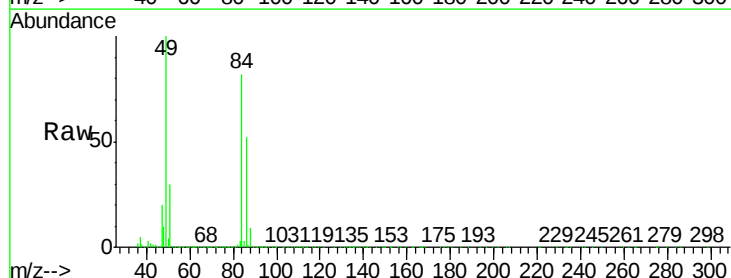
Instrument :
MSVOA_X
ClientSampled :
COMP-1

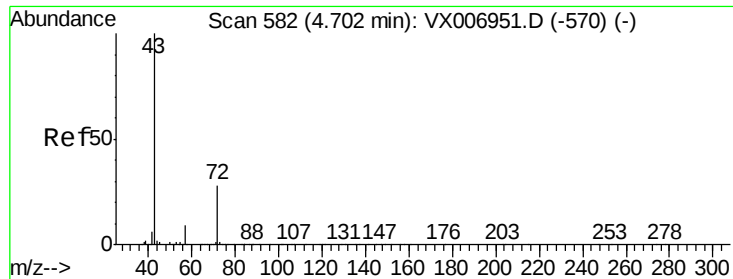
Tot Ion: 43 Resp: 25560
Ion Ratio Lower Upper
43 100
74 27.6 18.6 28.0



#20
Methylene Chloride
Concen: 121.639 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Tgt Ion: 84 Resp: 640630
Ion Ratio Lower Upper
84 100
49 122.6 91.8 137.6
51 37.2 28.5 42.7
86 64.3 50.2 75.2

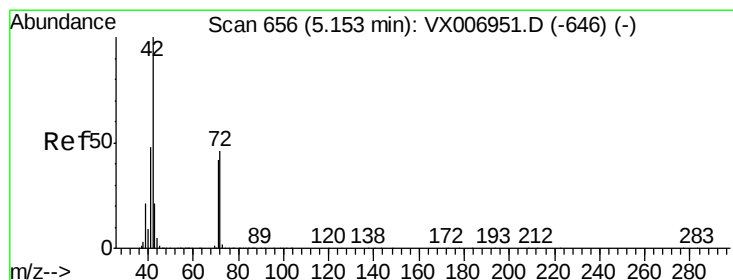
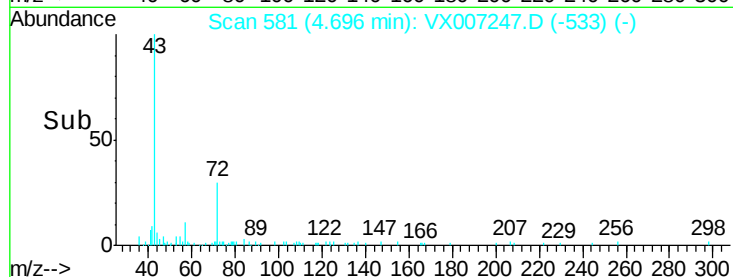
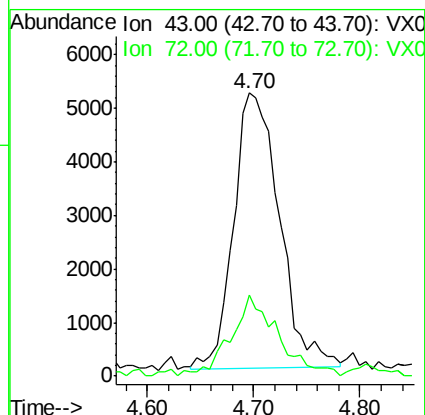
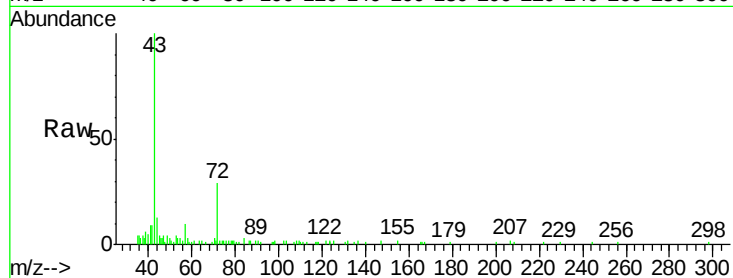




#25
2-Butanone
Concen: 3.895 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

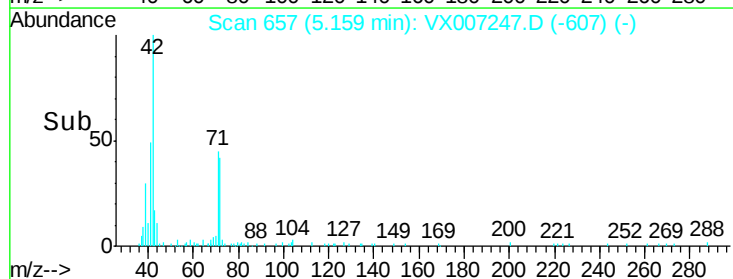
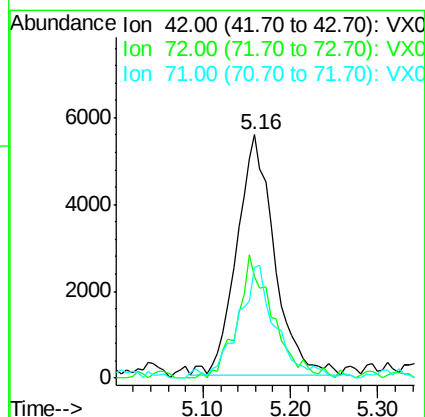
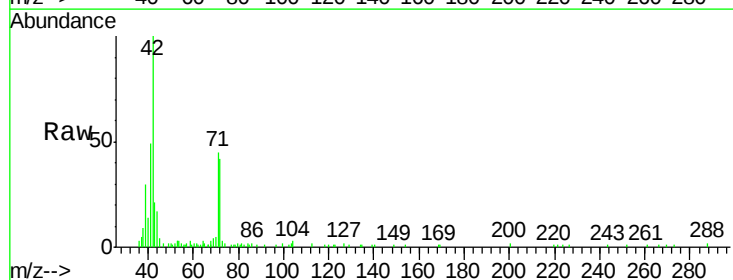
Instrument :
MSVOA_X
ClientSampled :
COMP-1

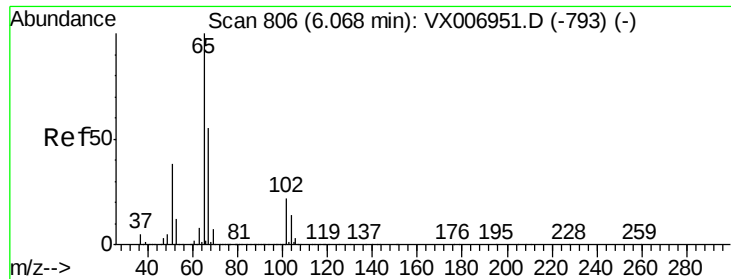
Tot Ion: 43 Resp: 15536
Ion Ratio Lower Upper
43 100
72 29.6 22.4 33.6



#29
Tetrahydrofuran
Concen: 6.382 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Tgt Ion: 42 Resp: 16543
Ion Ratio Lower Upper
42 100
72 47.7 38.9 58.3
71 41.7 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 51.792 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

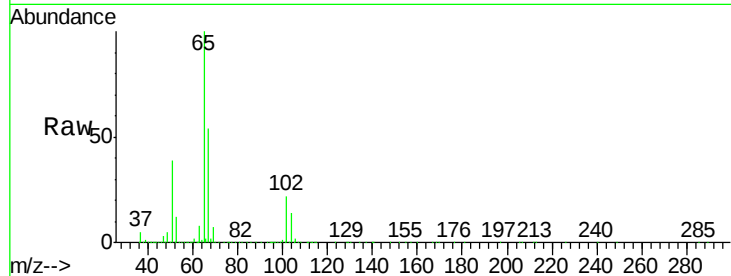
COMP-1

Tot Ion: 65 Resp: 292035

Ion Ratio Lower Upper

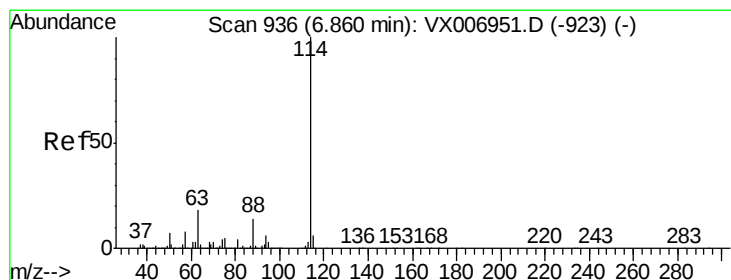
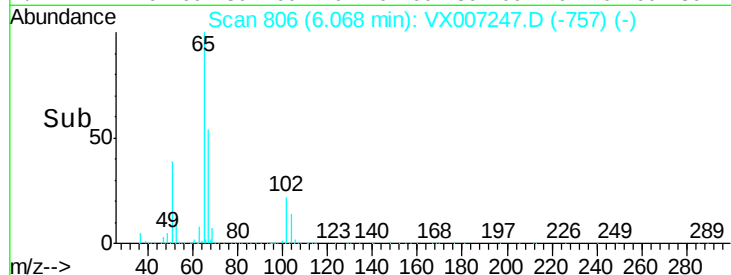
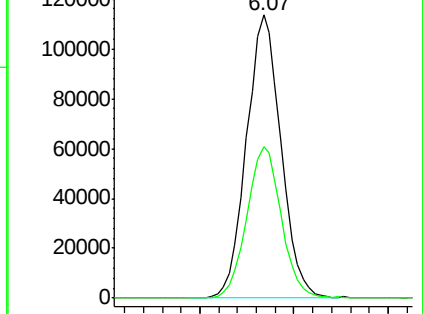
65 100

67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

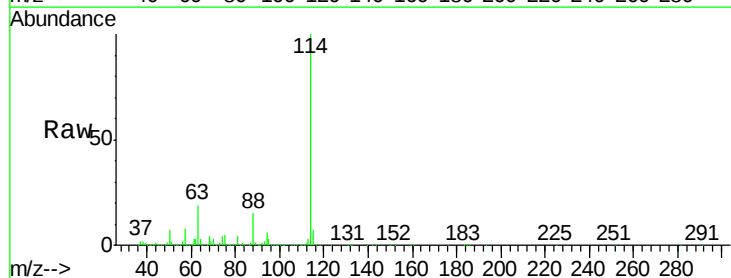
Tgt Ion: 114 Resp: 826028

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.8

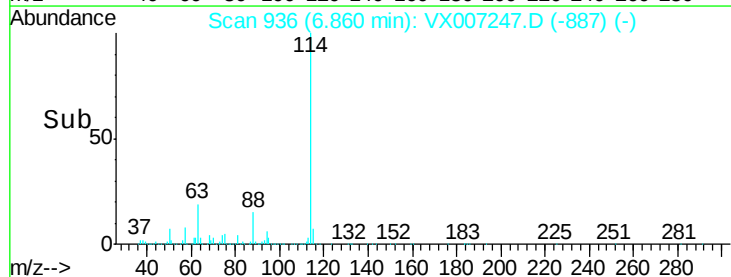
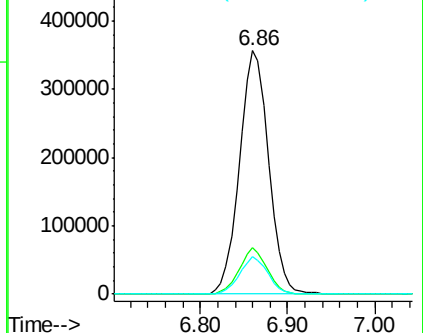
88 15.2 0.0 28.8

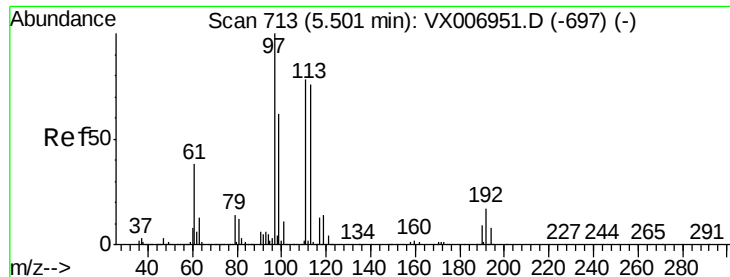


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.928 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

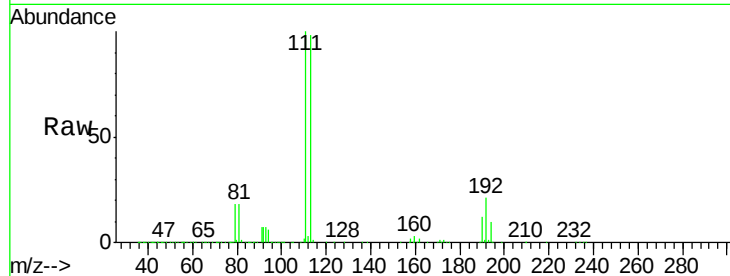
Tot Ion:113 Resp: 258823

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

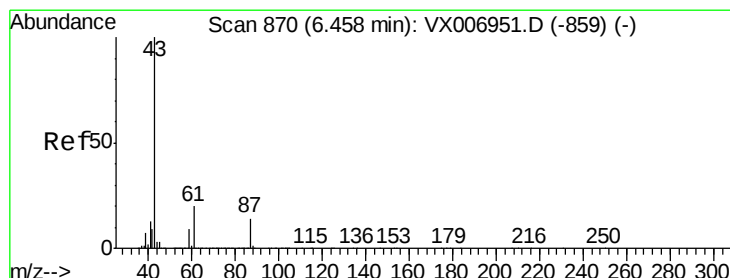
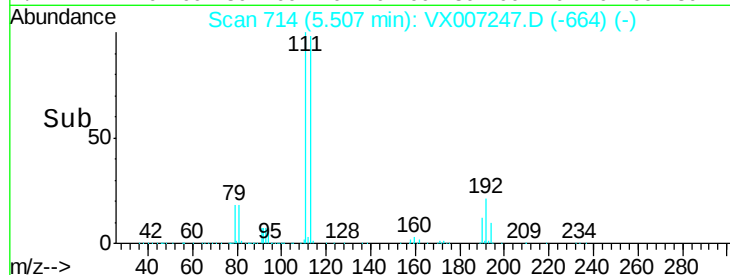
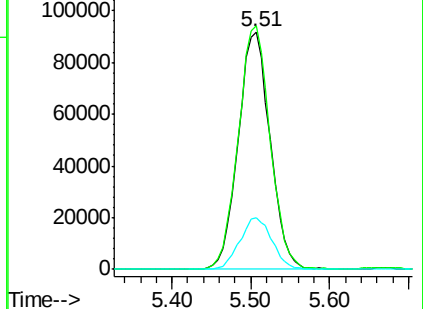
192 22.0 16.7 25.1



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



#43

Isopropyl Acetate

Concen: 2.245 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

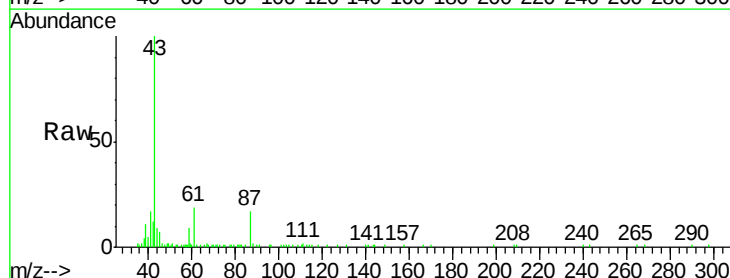
Tgt Ion: 43 Resp: 27261

Ion Ratio Lower Upper

43 100

61 21.8 16.8 25.2

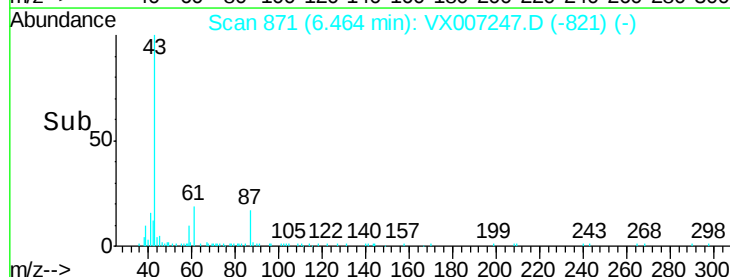
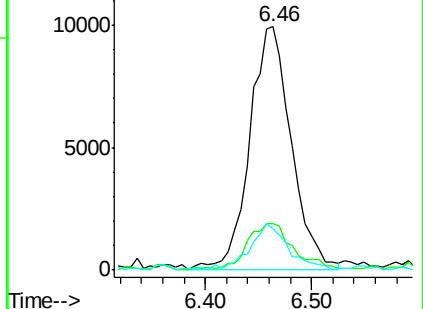
87 17.6 12.4 18.6

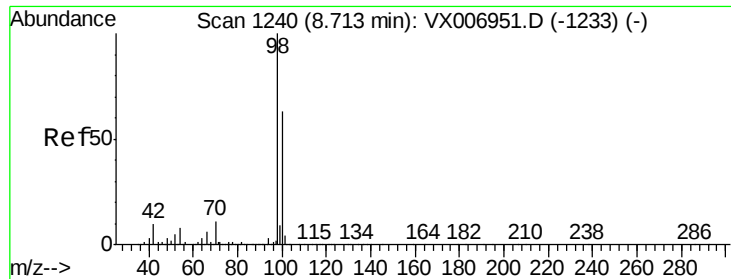


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 52.738 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

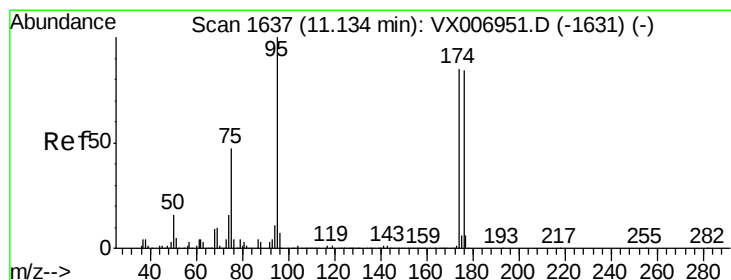
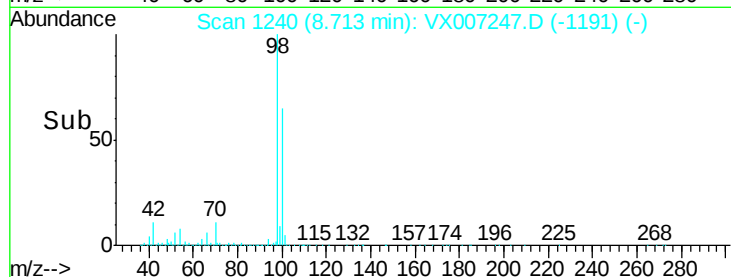
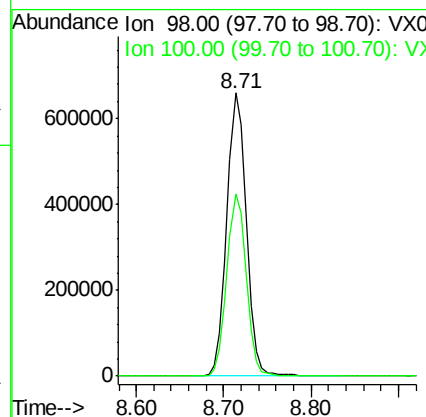
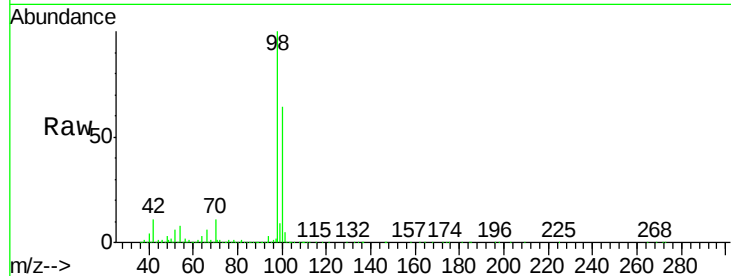
COMP-1

Tot Ion: 98 Resp: 1021130

Ion Ratio Lower Upper

98 100

100 64.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 54.532 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

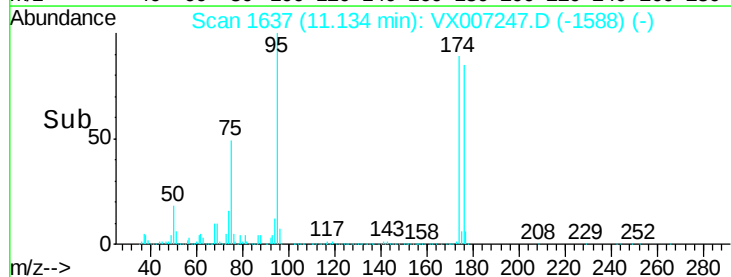
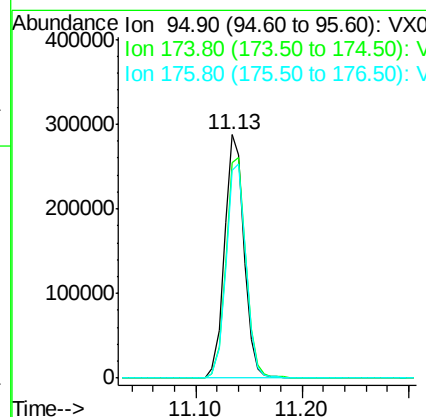
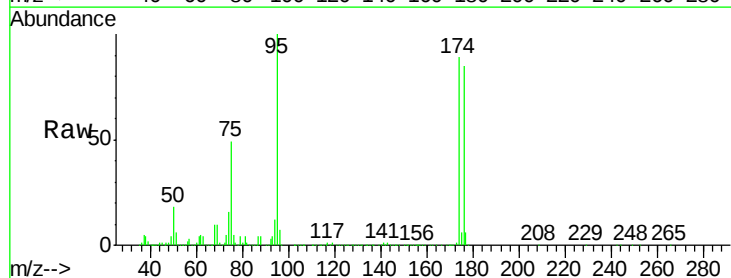
Tgt Ion: 95 Resp: 368103

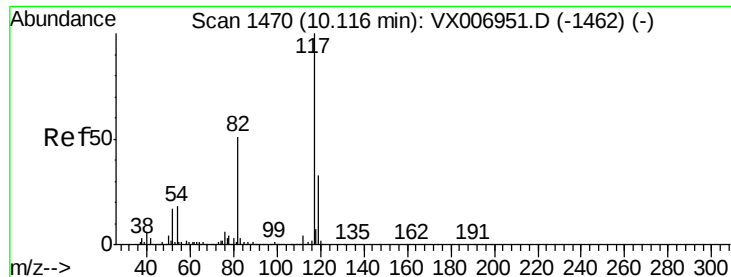
Ion Ratio Lower Upper

95 100

174 92.6 0.0 182.2

176 89.9 0.0 178.8

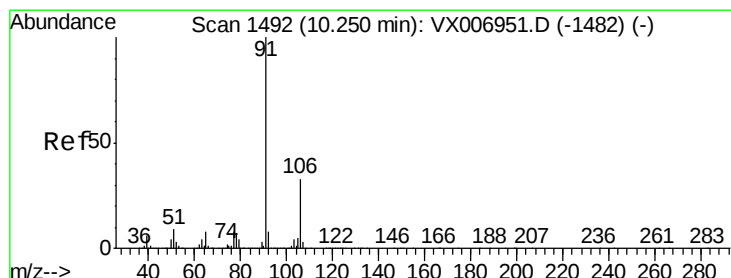
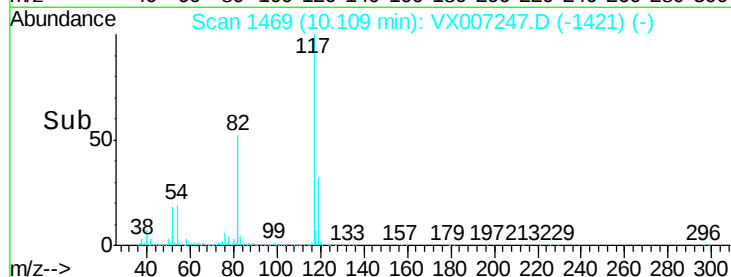
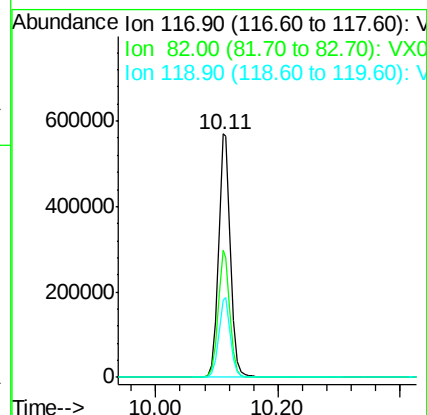
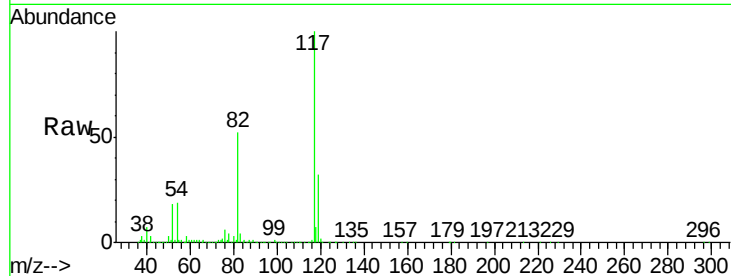




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

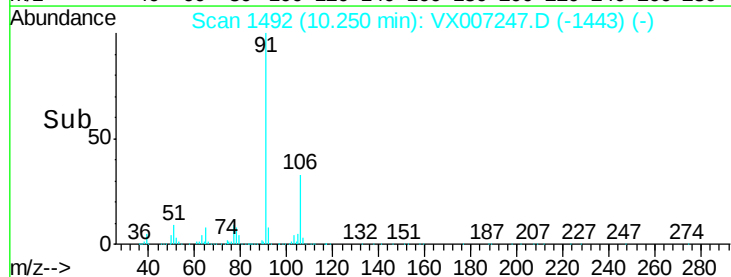
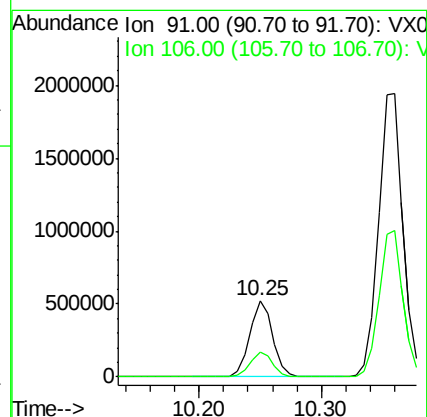
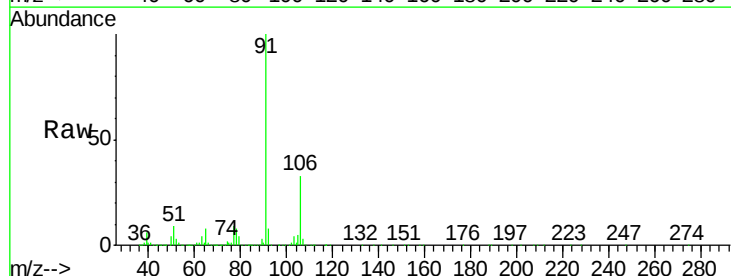
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

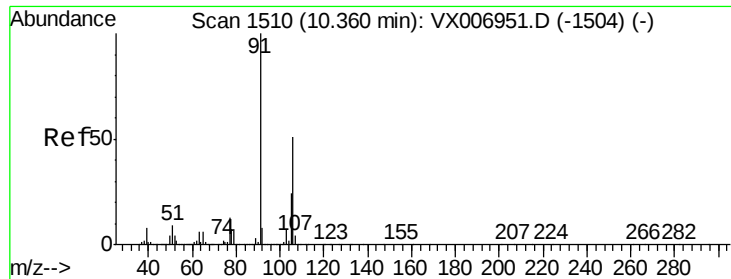
Tot Ion:117 Resp: 801840
Ion Ratio Lower Upper
117 100
82 52.0 41.0 61.6
119 31.6 25.4 38.0



#67
Ethyl Benzene
Concen: 23.552 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Tgt Ion: 91 Resp: 679993
Ion Ratio Lower Upper
91 100
106 32.9 26.4 39.6

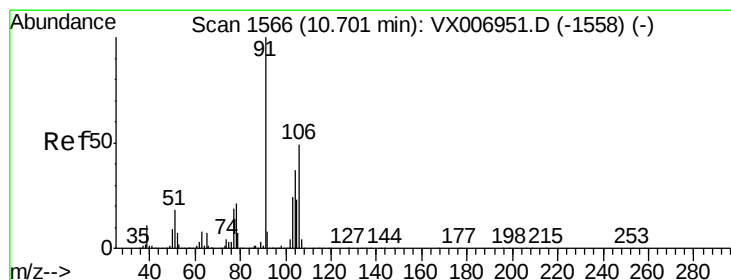
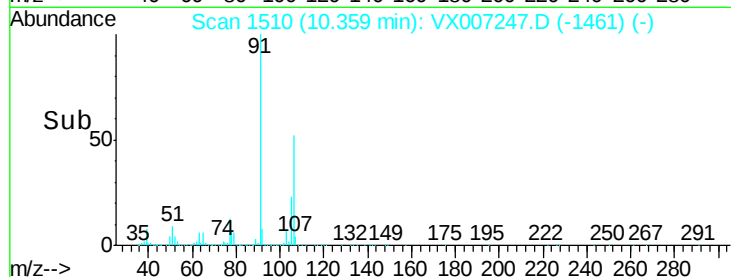
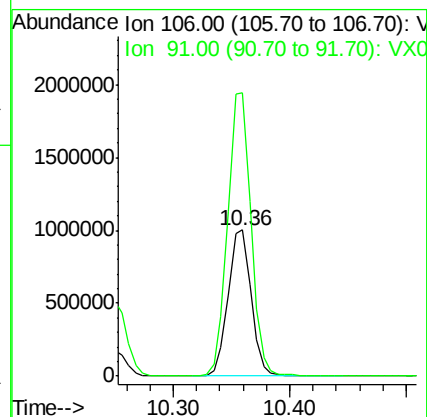
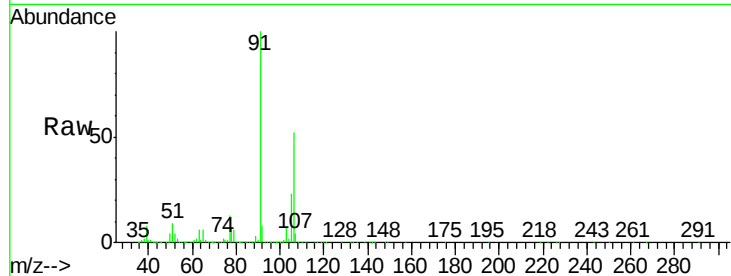




#68
m/p-Xylenes
Concen: 121.021 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

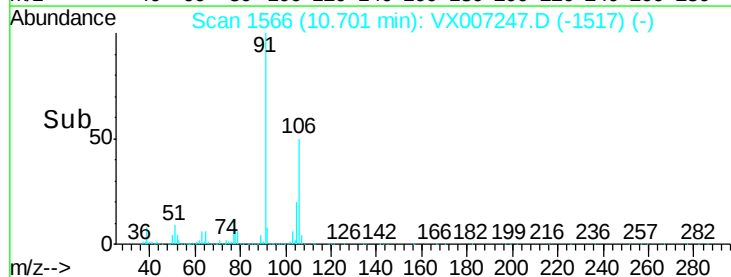
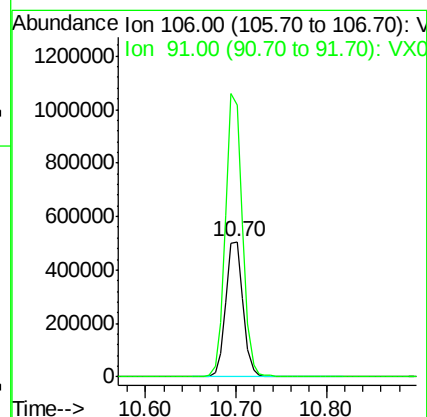
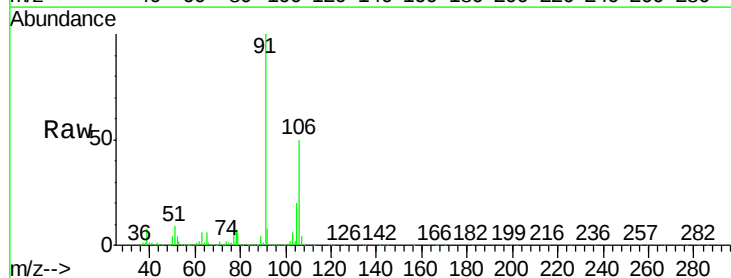
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

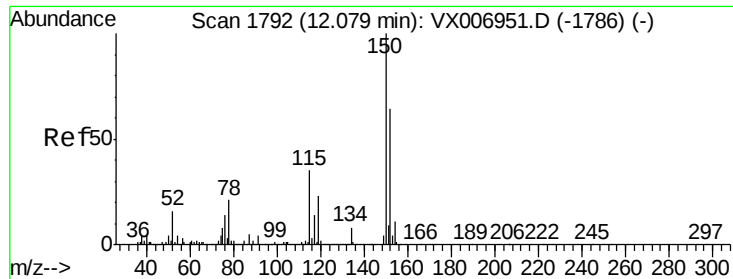
Tot Ion:106 Resp: 1376598
Ion Ratio Lower Upper
106 100
91 196.0 155.8 233.6



#69
o-Xylene
Concen: 60.523 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Tgt Ion:106 Resp: 671406
Ion Ratio Lower Upper
106 100
91 206.3 101.3 303.7



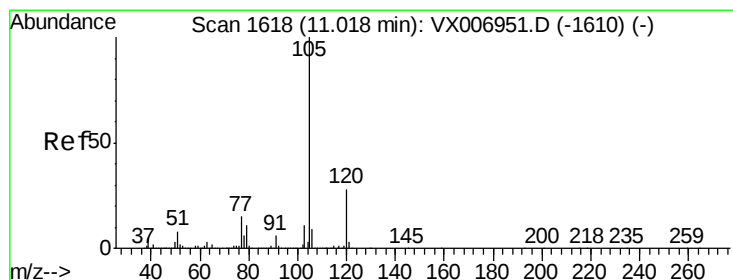
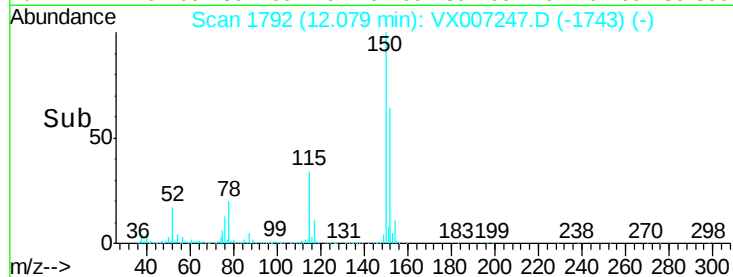
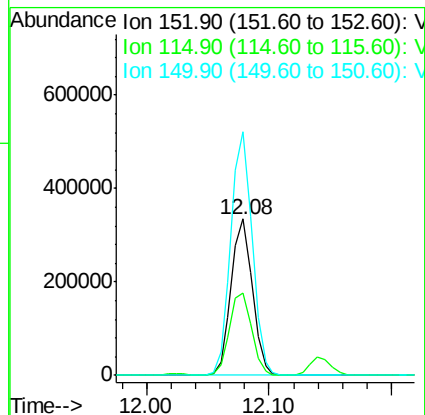
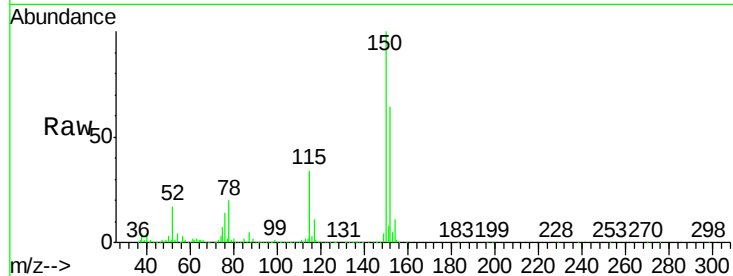


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Instrument :
MSVOA_X
ClientSampleId :
COMP-1

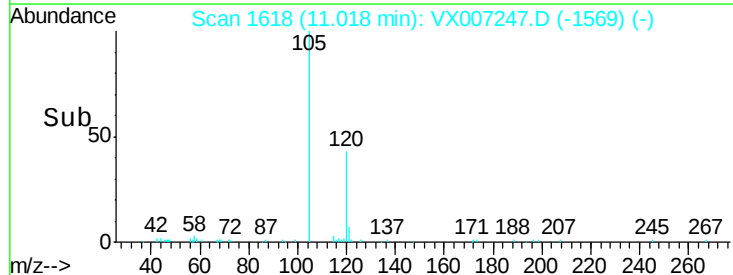
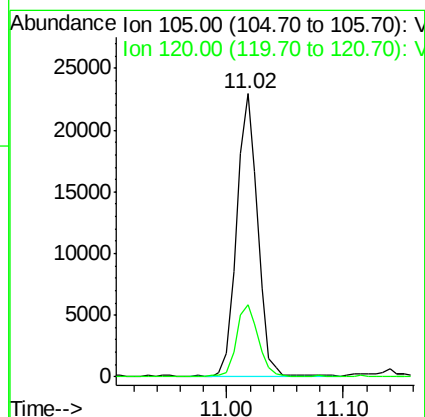
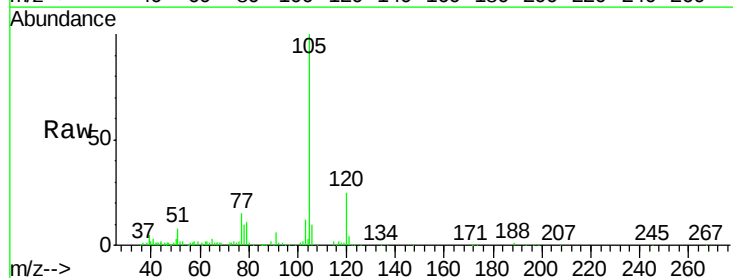
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	39.1	117.2
150	156.5	0.0	344.8

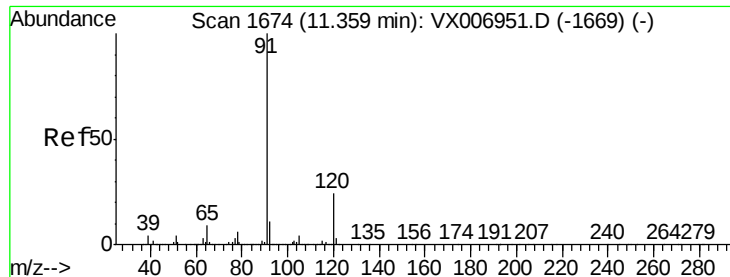


#73

Isopropylbenzene
Concen: 1.021 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007247.D
Acq: 25 Jan 2019 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	14.1	42.4





#78

n-propylbenzene

Concen: 5.291 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

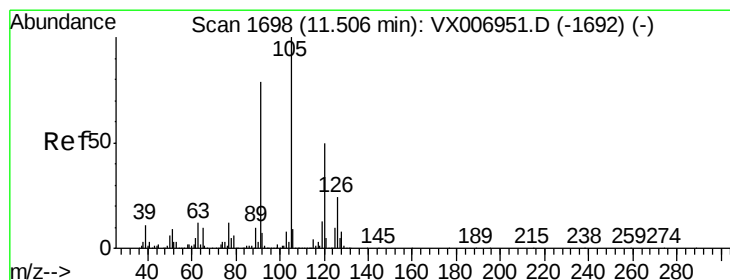
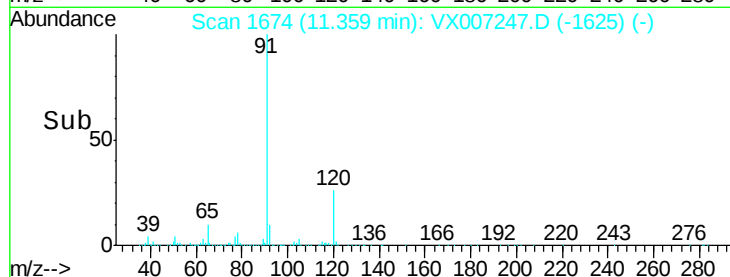
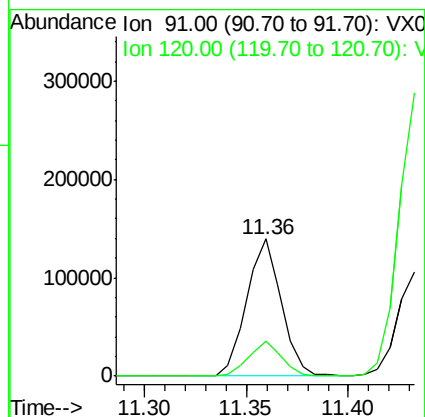
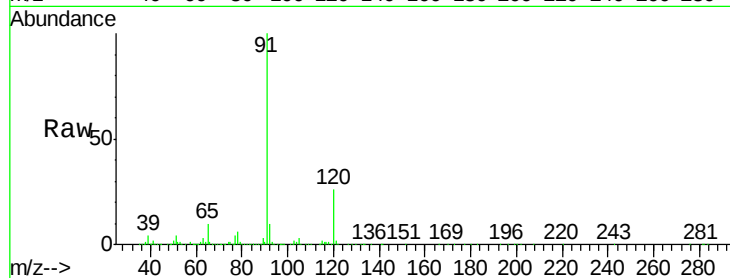
COMP-1

Tot Ion: 91 Resp: 164943

Ion Ratio Lower Upper

91 100

120 24.4 12.7 38.0



#80

1,3,5-Trimethylbenzene

Concen: 29.715 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007247.D

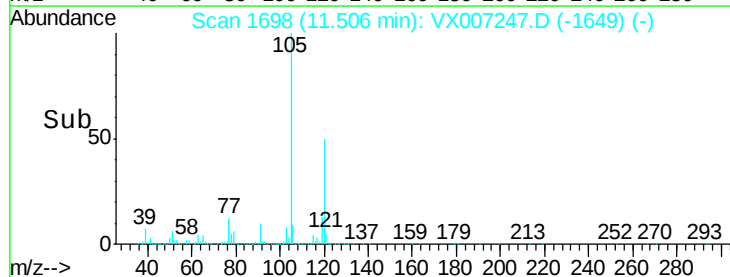
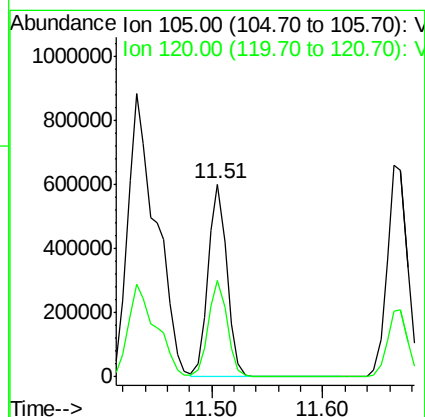
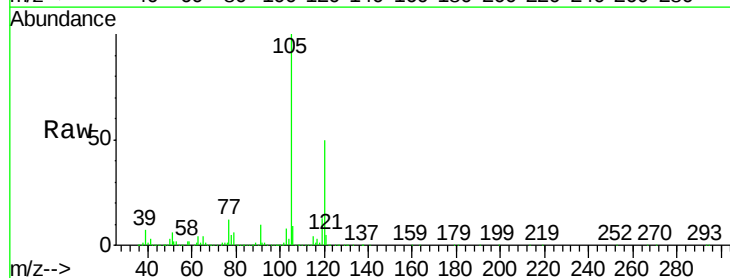
Acq: 25 Jan 2019 23:21

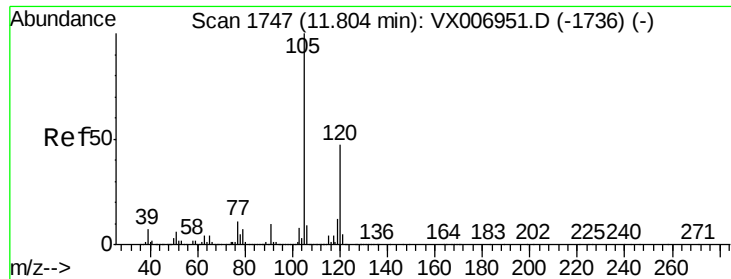
Tgt Ion: 105 Resp: 705121

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#84

1,2,4-Trimethylbenzene

Concen: 161.755 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

Instrument :

MSVOA_X

ClientSampleId :

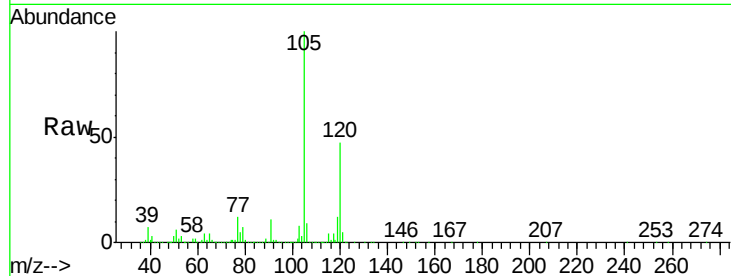
COMP-1

Tot Ion:105 Resp: 3859849

Ion Ratio Lower Upper

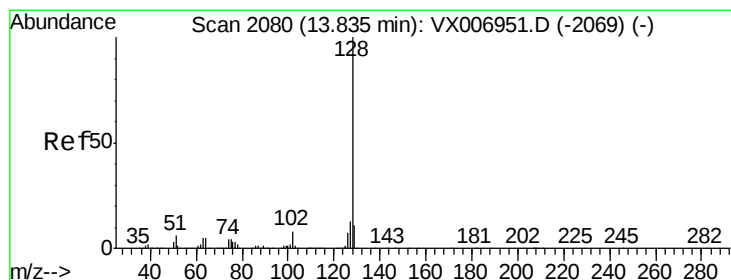
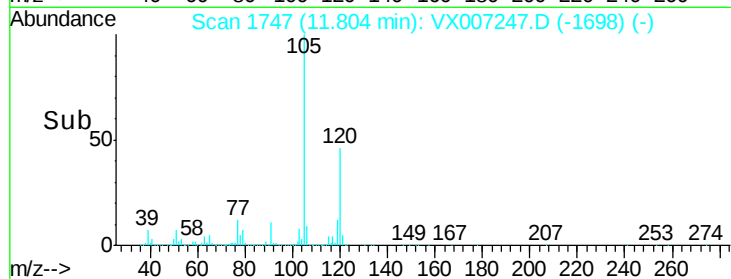
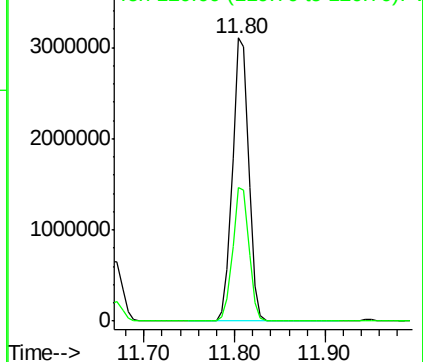
105 100

120 47.2 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 5.312 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007247.D

Acq: 25 Jan 2019 23:21

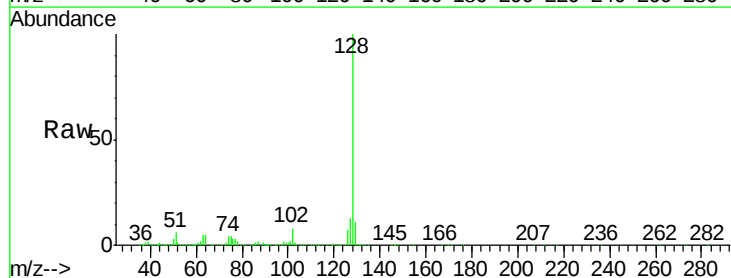
Tgt Ion:128 Resp: 154143

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.8 8.6 13.0



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

