

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002634.D
 Acq On : 16 Jun 2018 08:58
 Operator : JC/MD
 Sample : J3449-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 W-33

Quant Time: Jun 22 17:52:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	221827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	310836	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	171055	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	148714	44.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.24%	
35) Dibromofluoromethane	5.51	113	114620	46.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.40%	
50) Toluene-d8	8.72	98	461774	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.14	95	166907	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.52%	

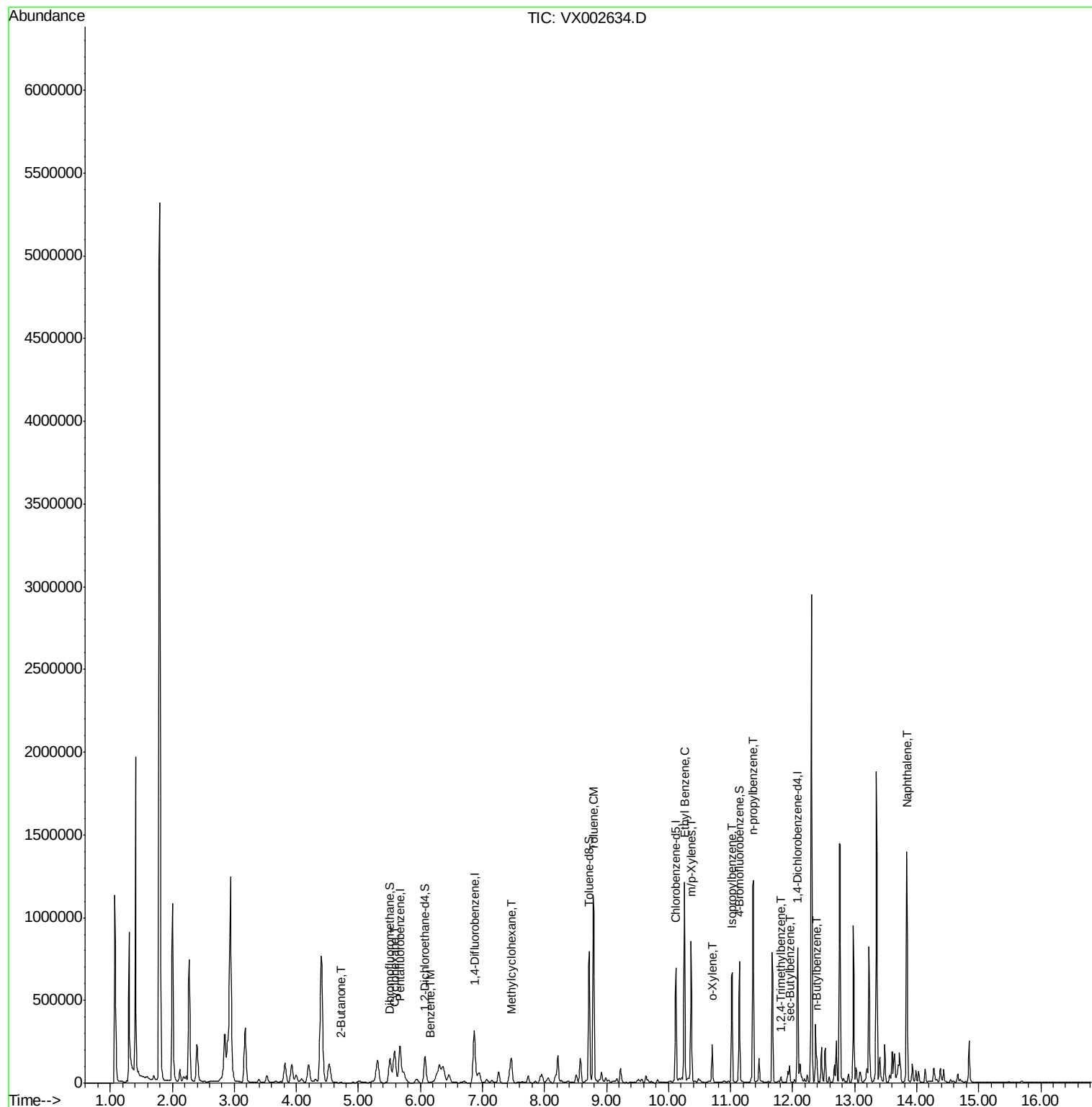
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) 2-Butanone	4.71	43	3713	1.90	ug/l	97
31) Cyclohexane	5.58	56	126521	31.80	ug/l	93
39) Methylcyclohexane	7.46	83	57309	14.85	ug/l	93
40) Benzene	6.15	78	4390	0.44	ug/l	97
52) Toluene	8.79	92	408314	64.66	ug/l	100
67) Ethyl Benzene	10.26	91	653825	53.18	ug/l	99
68) m/p-Xylenes	10.37	106	189325	39.92	ug/l	98
69) o-Xylene	10.70	106	46670	10.02	ug/l	98
73) Isopropylbenzene	11.02	105	335215	29.30	ug/l	100
78) n-propylbenzene	11.37	91	743135	56.64	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	13494	1.37	ug/l	96
85) sec-Butylbenzene	11.95	105	49039	4.23	ug/l	93
89) n-Butylbenzene	12.39	91	73335	7.93	ug/l #	55
95) Naphthalene	13.84	128	874255	76.10	ug/l	99

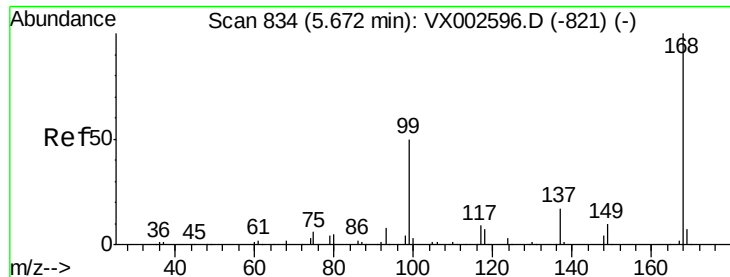
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampled :

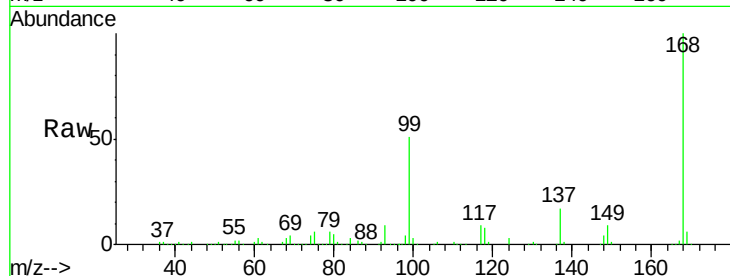
W-33

Tot Ion:168 Resp: 221827

Ion Ratio Lower Upper

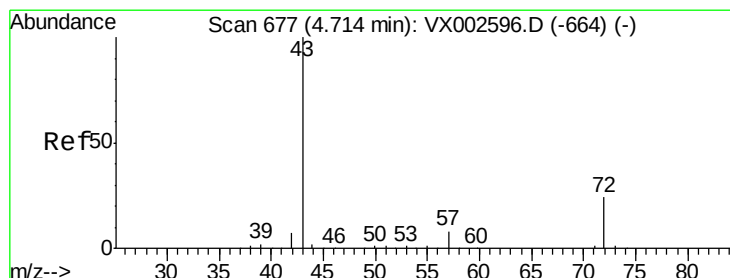
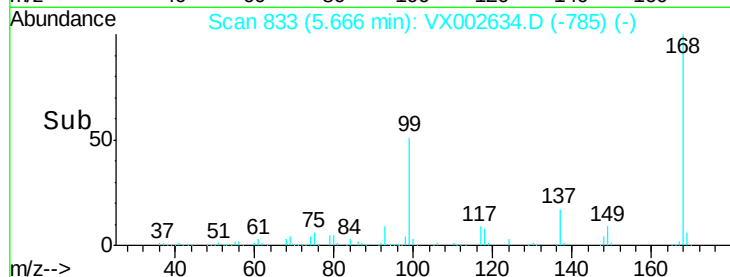
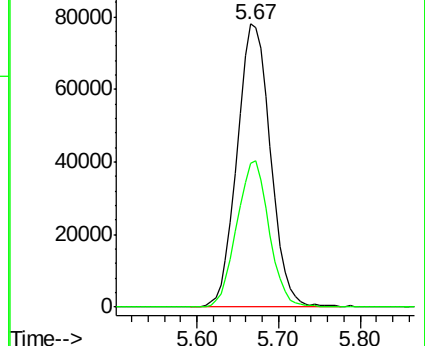
168 100

99 51.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#25

2-Butanone

Concen: 1.90 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.00 min

Lab File: VX002634.D

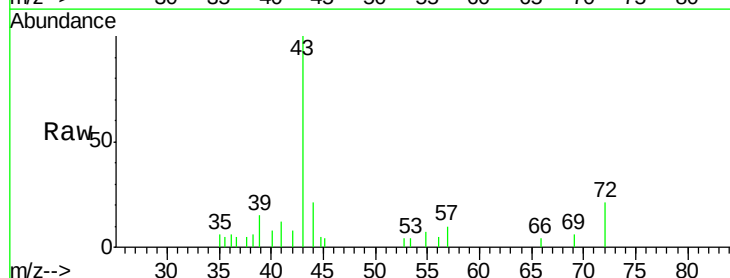
Acq: 16 Jun 2018 08:58

Tgt Ion: 43 Resp: 3713

Ion Ratio Lower Upper

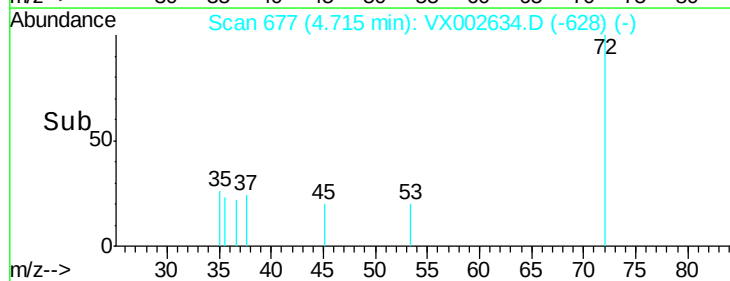
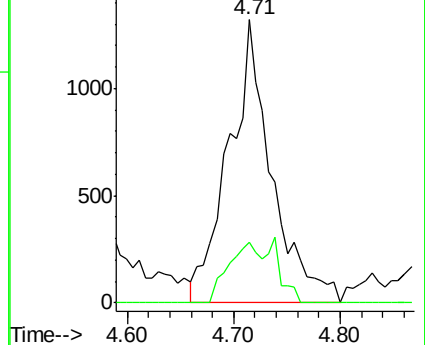
43 100

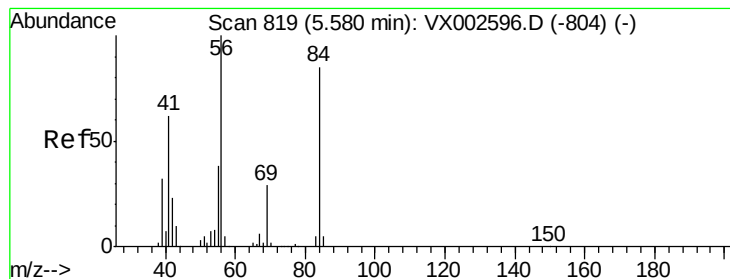
72 21.4 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

Cyclohexane

Concen: 31.80 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampled :

W-33

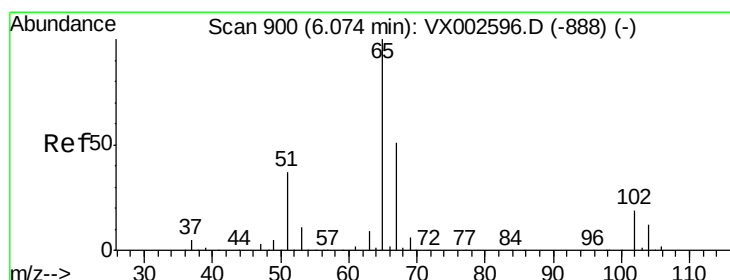
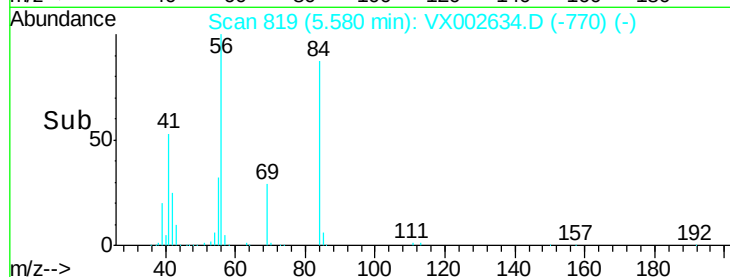
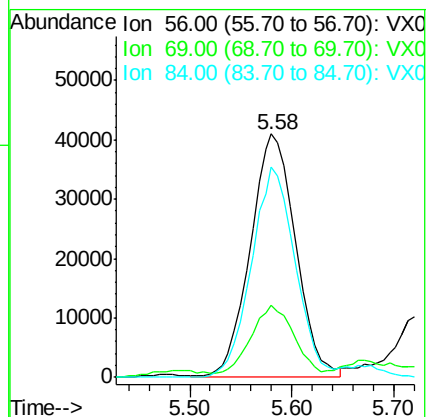
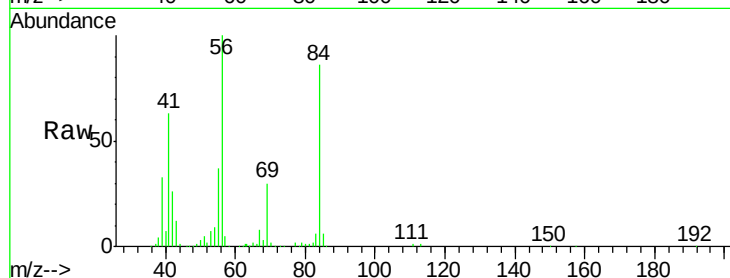
Tot Ion: 56 Resp: 126521

Ion Ratio Lower Upper

56 100

69 27.3 23.7 35.5

84 86.9 64.1 96.1



#33

1,2-Dichloroethane-d4

Concen: 44.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002634.D

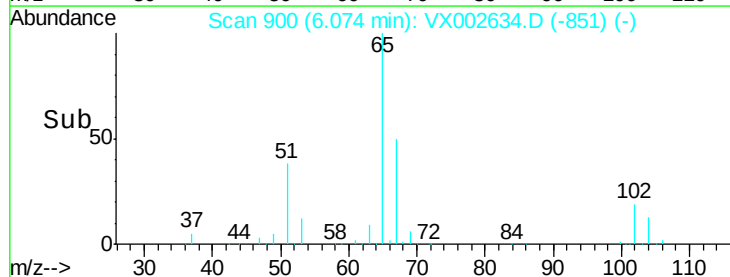
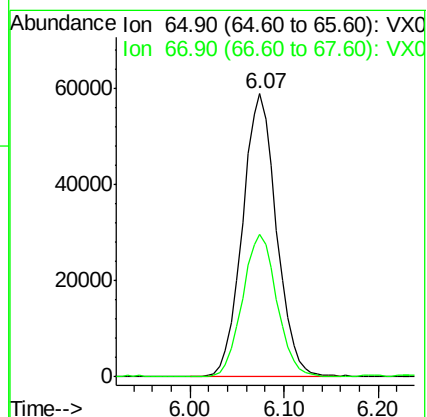
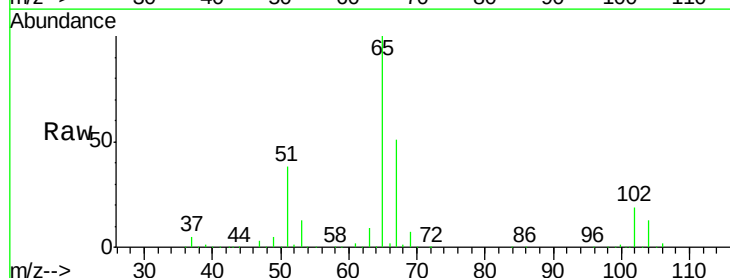
Acq: 16 Jun 2018 08:58

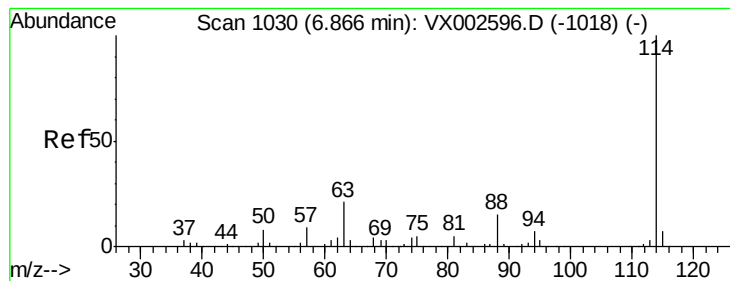
Tgt Ion: 65 Resp: 148714

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampleId :

W-33

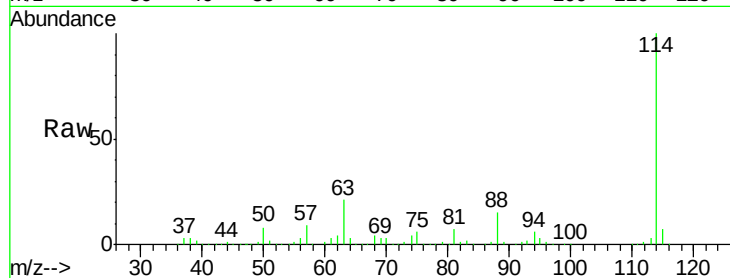
Tot Ion:114 Resp: 310836

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.4

88 15.2 0.0 30.0



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

6.87

150000

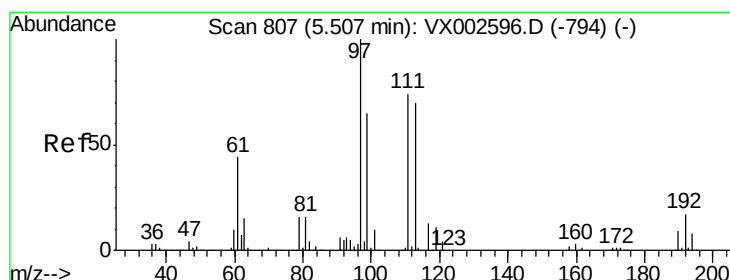
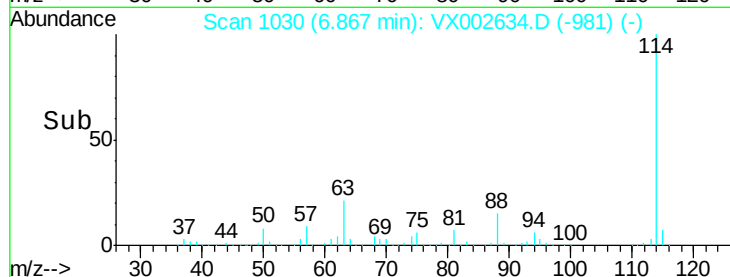
100000

50000

0

6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 46.20 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

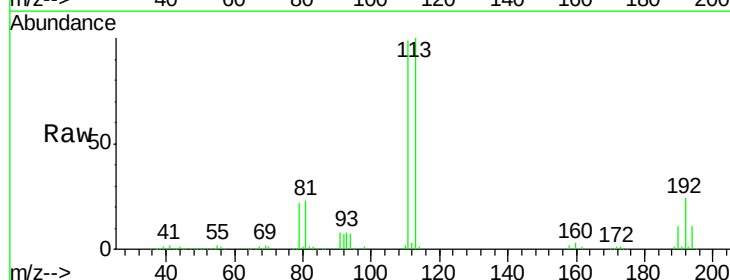
Tgt Ion:113 Resp: 114620

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 23.5 19.1 28.7



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

5.51

50000

40000

30000

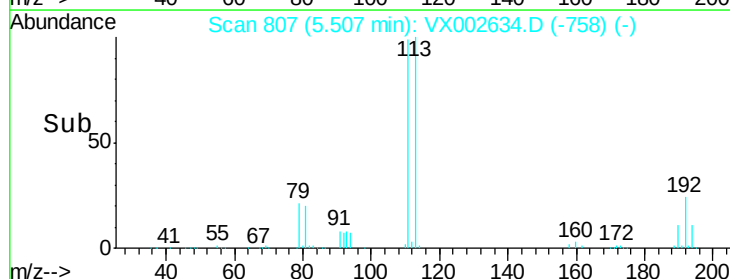
20000

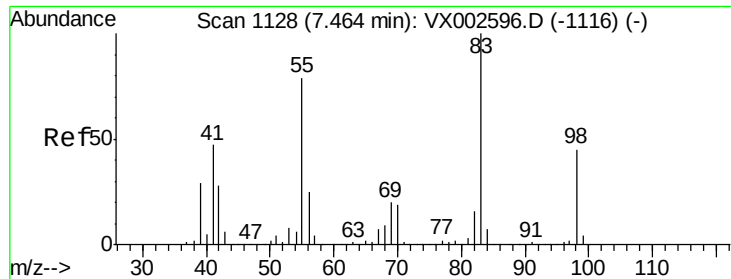
10000

0

5.40 5.50 5.60

Time-->

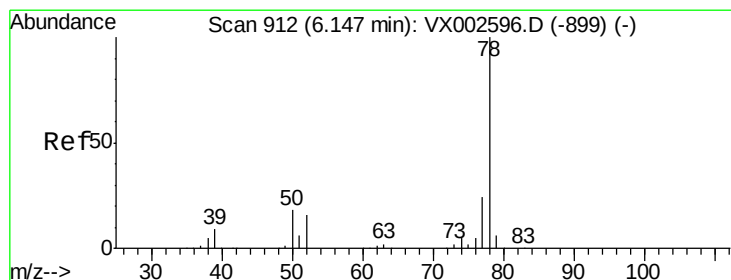
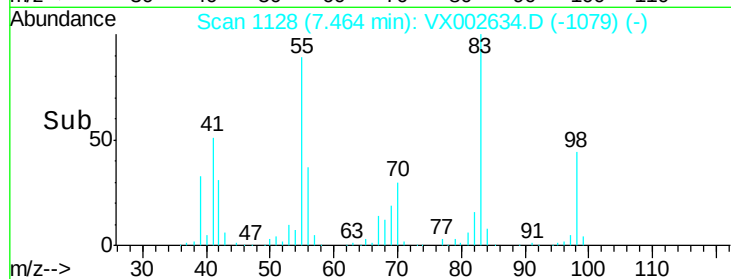
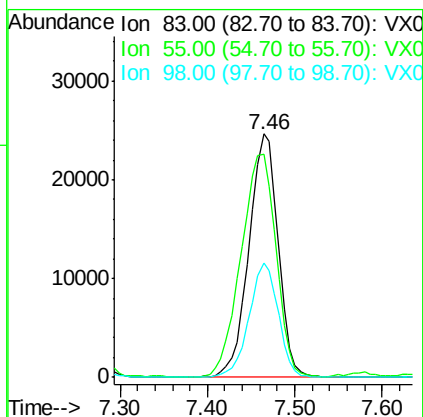
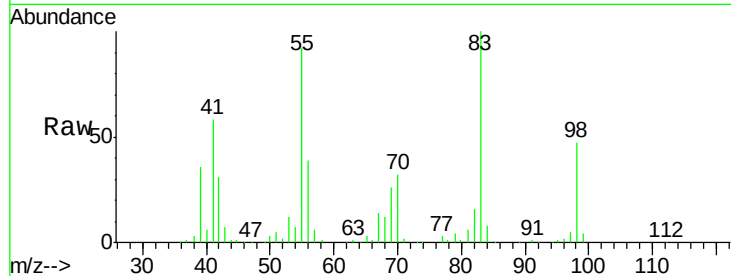




#39
Methylvlcyclohexane
Concen: 14.85 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

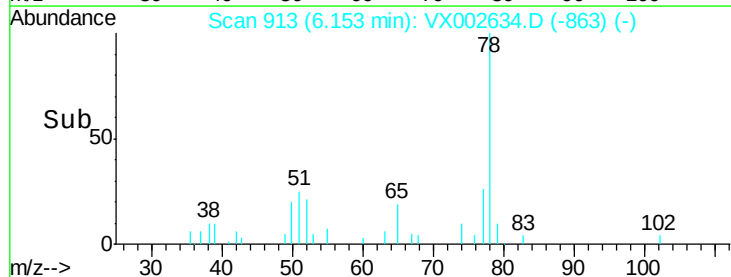
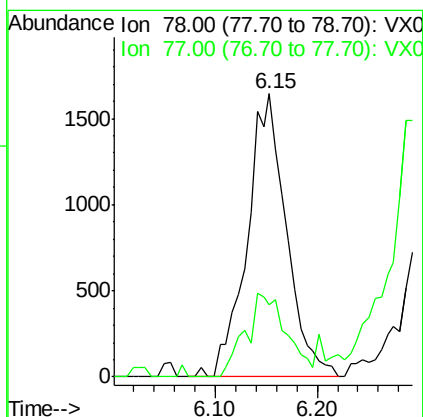
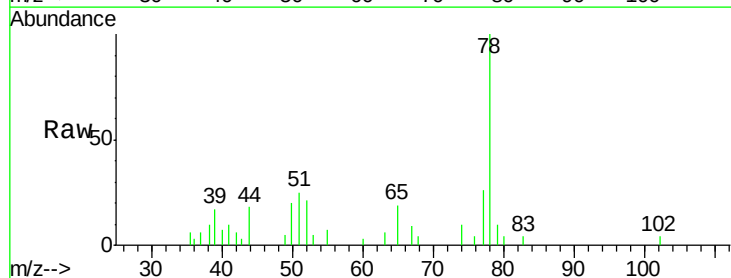
Instrument :
MSVOA_X
ClientSampled :
W-33

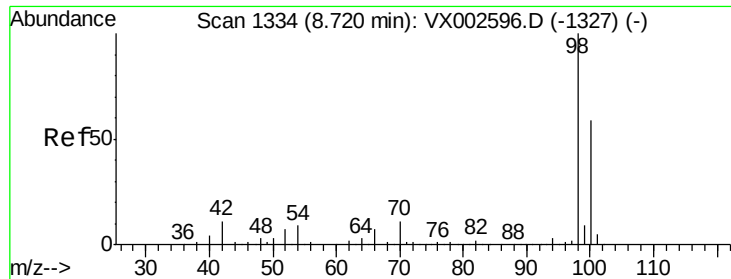
Tot Ion: 83 Resp: 57309
Ion Ratio Lower Upper
83 100
55 91.3 65.4 98.0
98 46.8 37.4 56.0



#40
Benzene
Concen: 0.44 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

Tgt Ion: 78 Resp: 4390
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7

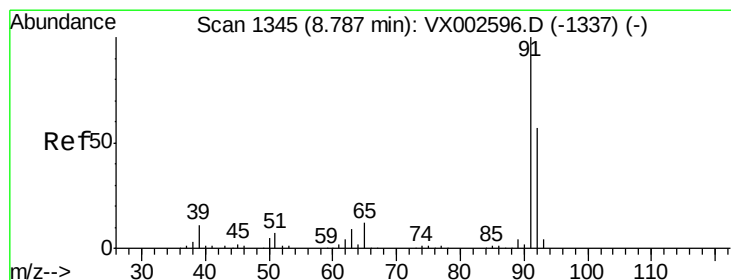
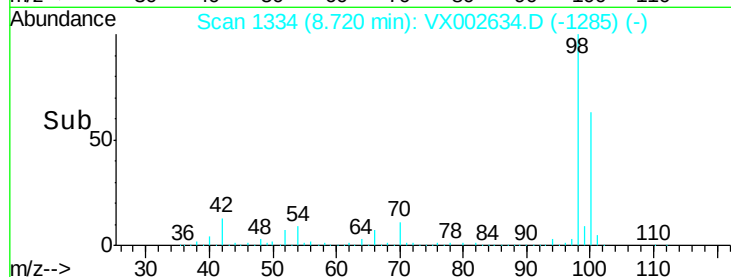
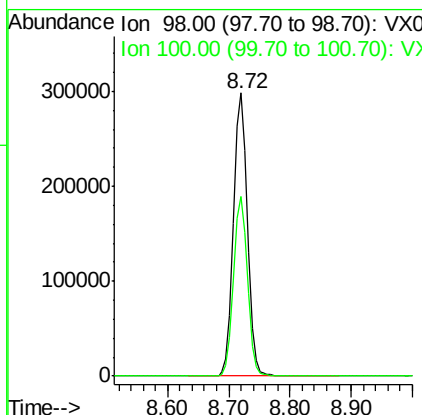
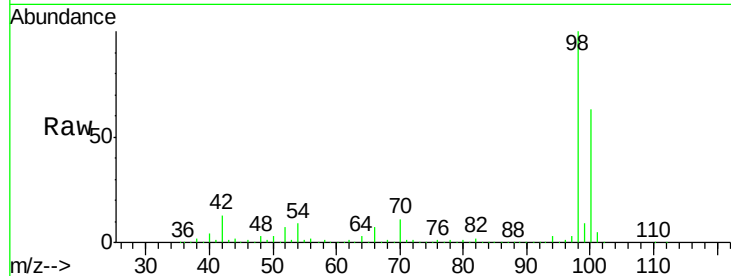




#50
Toluene-d8
Concen: 49.02 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

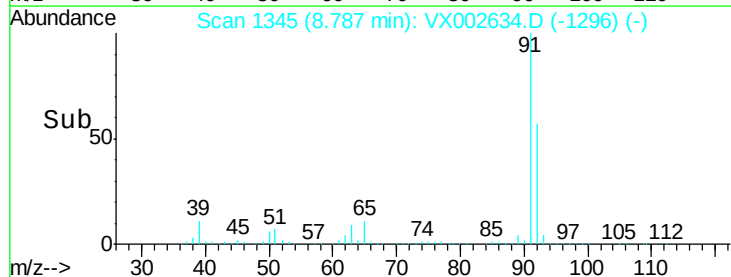
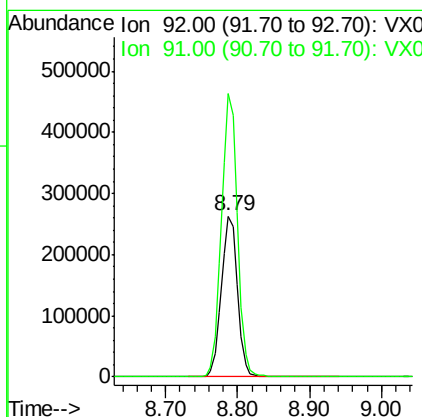
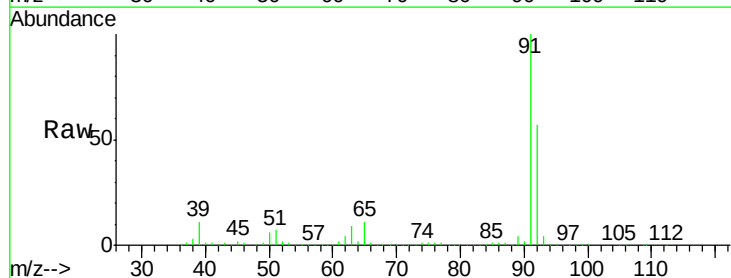
Instrument :
MSVOA_X
ClientSampleId :
W-33

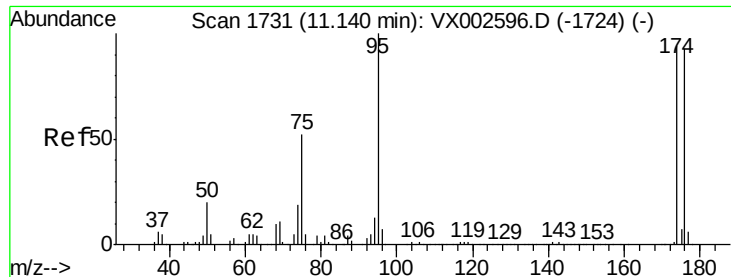
Tot Ion: 98 Resp: 461774
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3



#52
Toluene
Concen: 64.66 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

Tgt Ion: 92 Resp: 408314
Ion Ratio Lower Upper
92 100
91 175.4 140.4 210.6

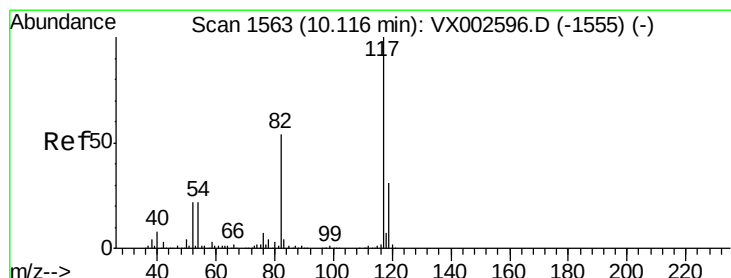
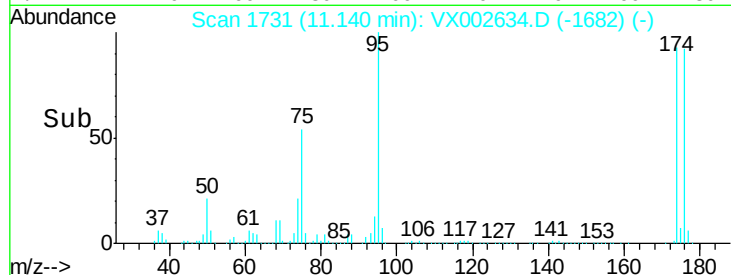
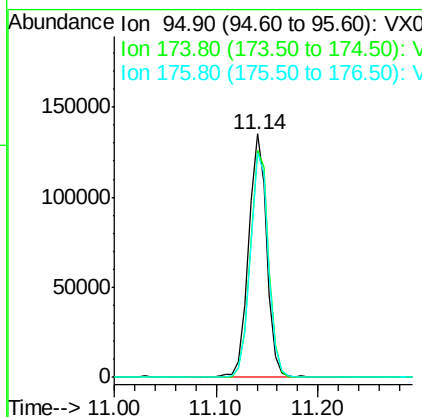
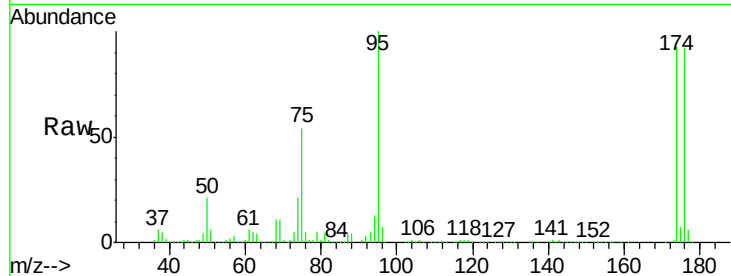




#62
4-Bromofluorobenzene
Concen: 46.76 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

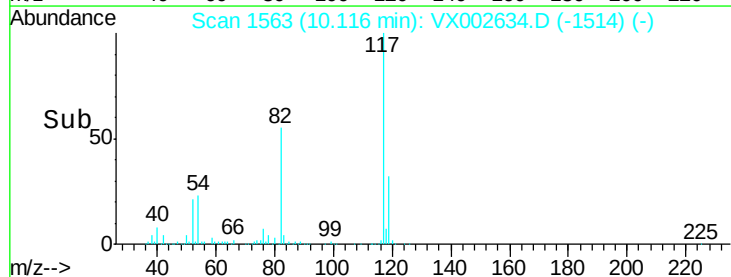
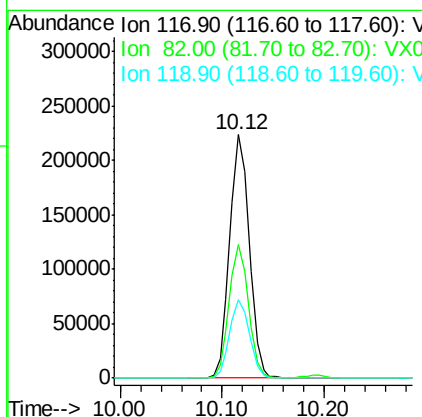
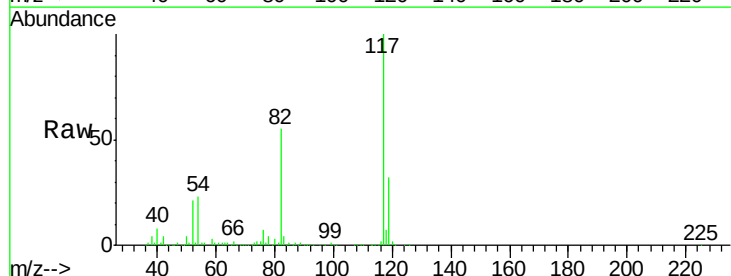
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MSVOA_X
ClientSampleId :
W-33

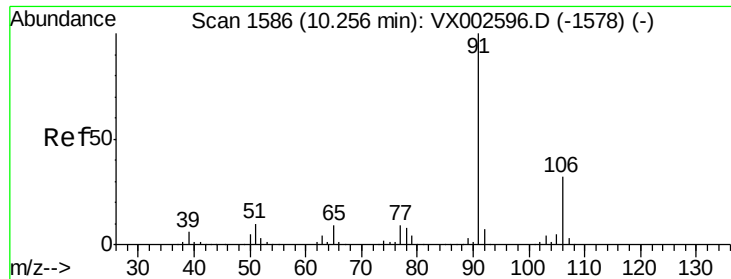
Tot Ion: 95 Resp: 166907
Ion Ratio Lower Upper
95 100
174 95.0 0.0 187.4
176 92.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

Tgt Ion: 117 Resp: 296833
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.4
119 32.2 25.8 38.6

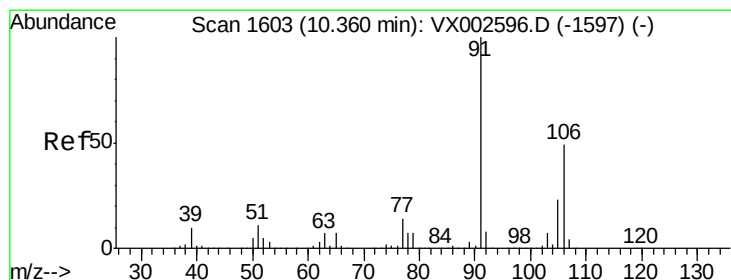
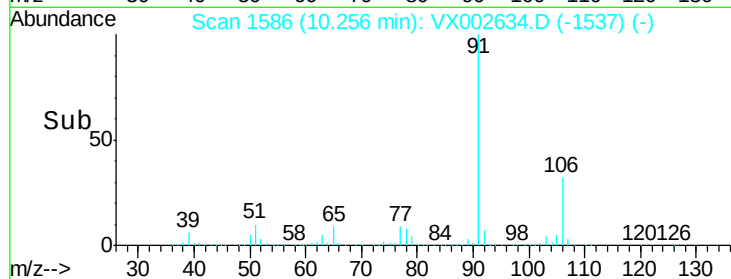
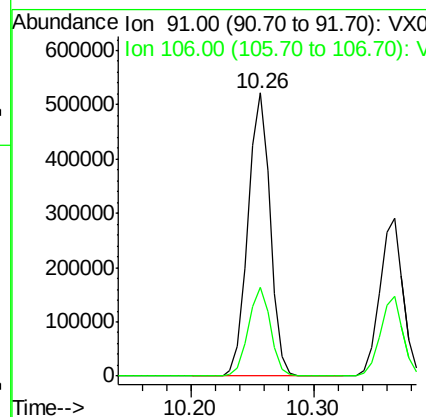
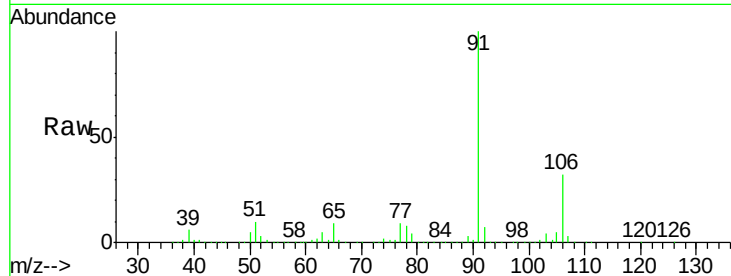




#67
Ethyl Benzene
Concen: 53.18 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

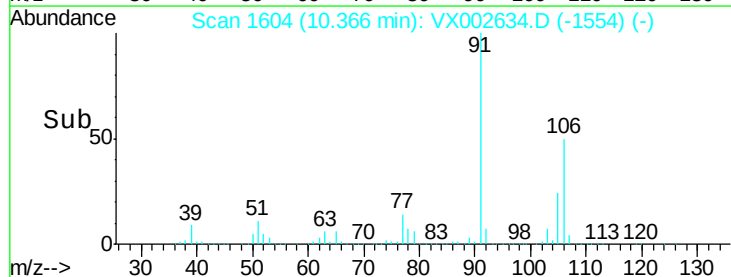
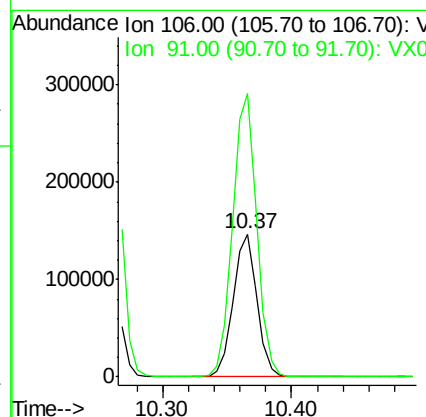
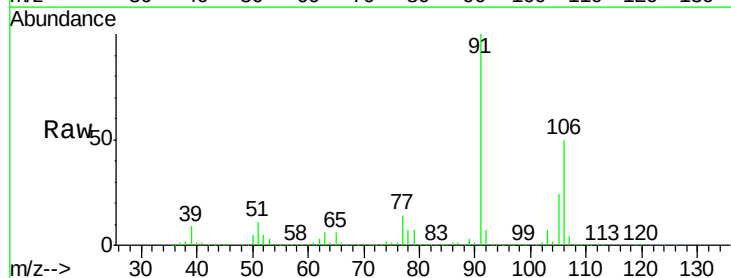
Instrument :
MSVOA_X
ClientSampled :
W-33

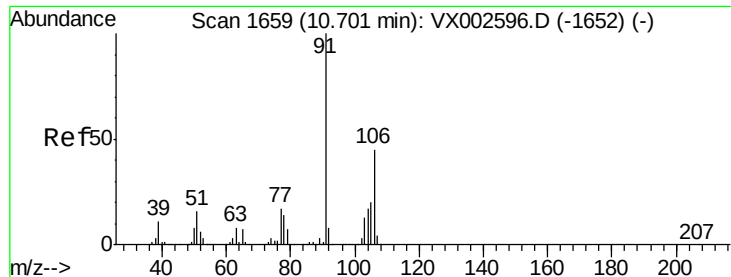
Tot Ion: 91 Resp: 653825
Ion Ratio Lower Upper
91 100
106 31.6 25.5 38.3



#68
m/p-Xylenes
Concen: 39.92 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

Tgt Ion: 106 Resp: 189325
Ion Ratio Lower Upper
106 100
91 201.6 163.4 245.2

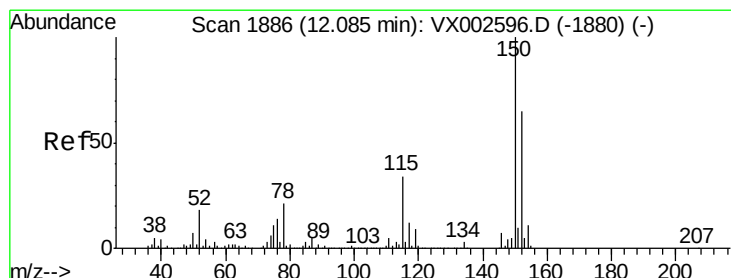
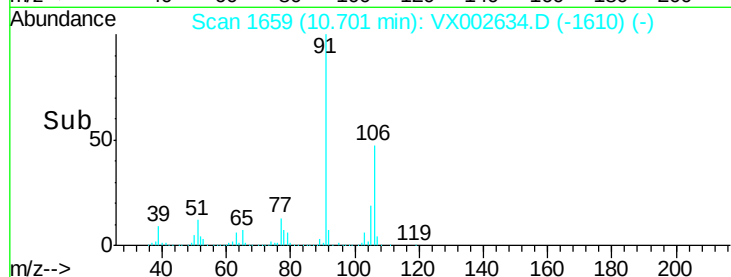
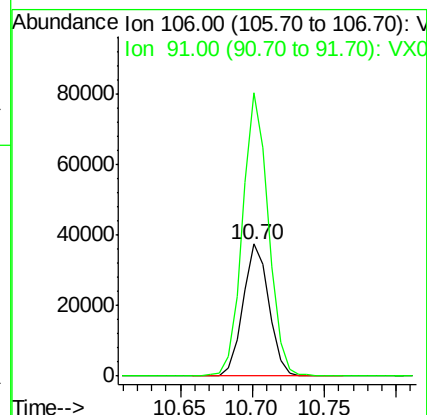
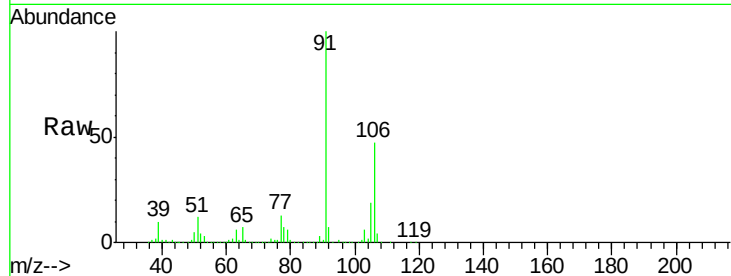




#69
o-Xylene
Concen: 10.02 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

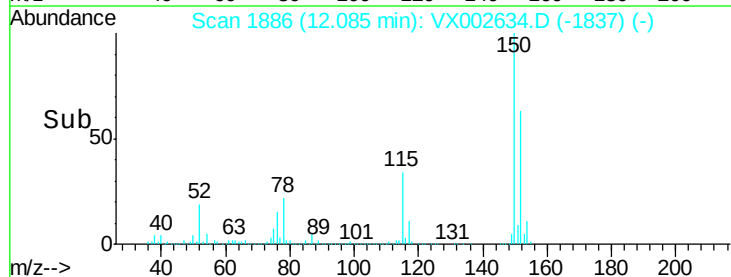
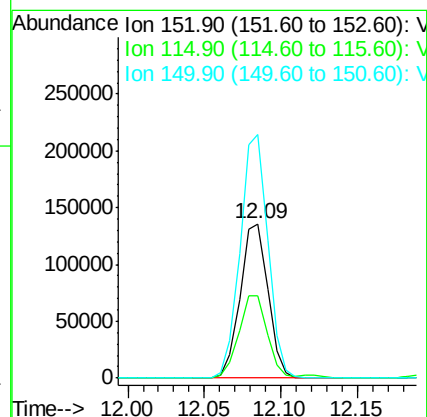
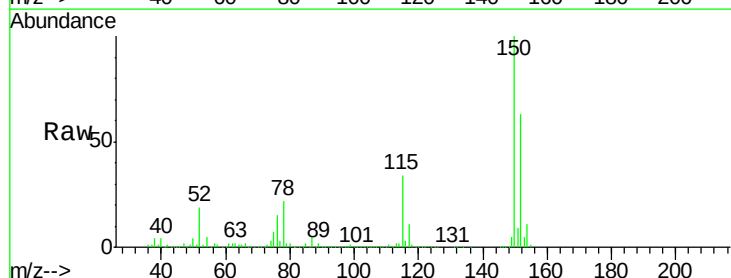
Instrument :
MSVOA_X
ClientSampled :
W-33

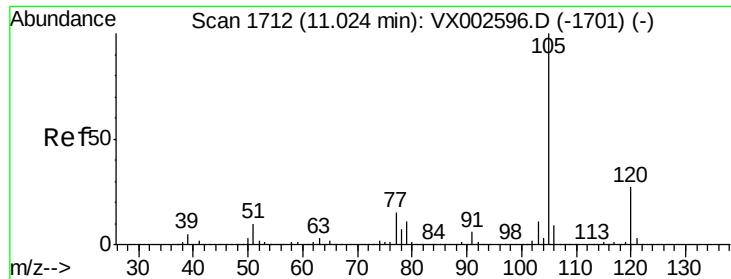
Tot Ion:106 Resp: 46670
Ion Ratio Lower Upper
106 100
91 212.8 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002634.D
Acq: 16 Jun 2018 08:58

Tgt Ion:152 Resp: 171055
Ion Ratio Lower Upper
152 100
115 56.2 40.1 120.2
150 157.8 0.0 347.2





#73

Isopropylbenzene

Concen: 29.30 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampled :

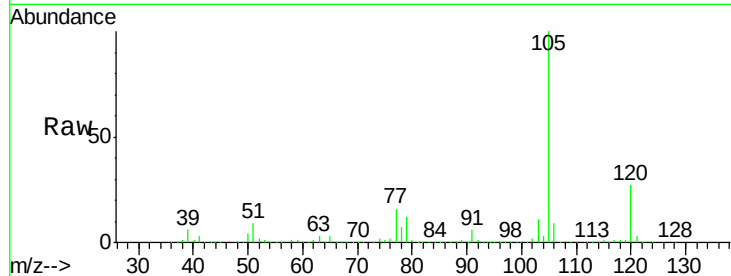
W-33

Tot Ion:105 Resp: 335215

Ion Ratio Lower Upper

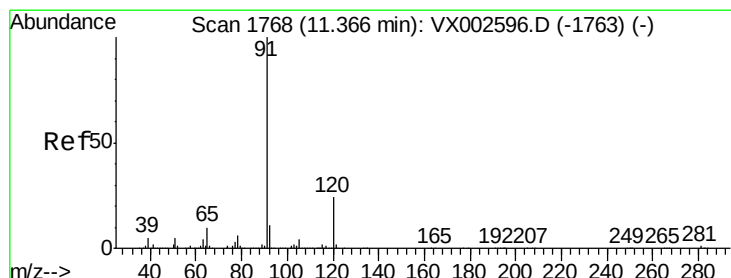
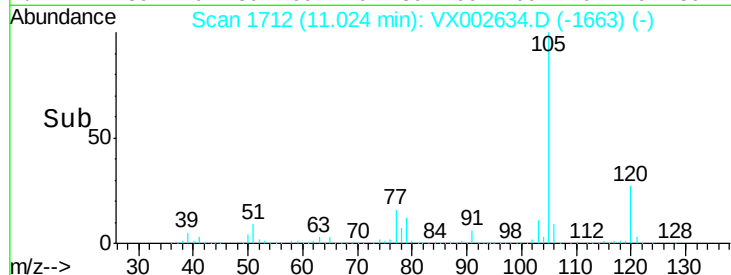
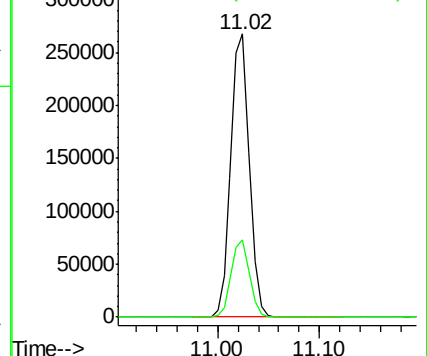
105 100

120 27.1 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 56.64 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002634.D

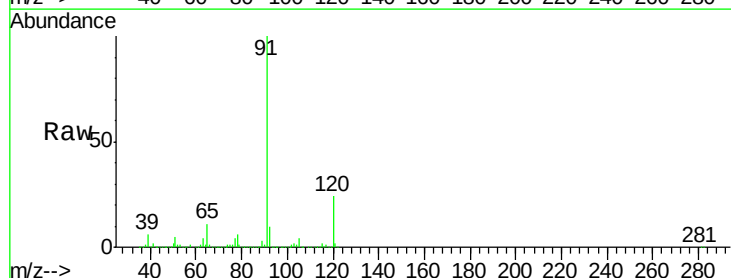
Acq: 16 Jun 2018 08:58

Tgt Ion: 91 Resp: 743135

Ion Ratio Lower Upper

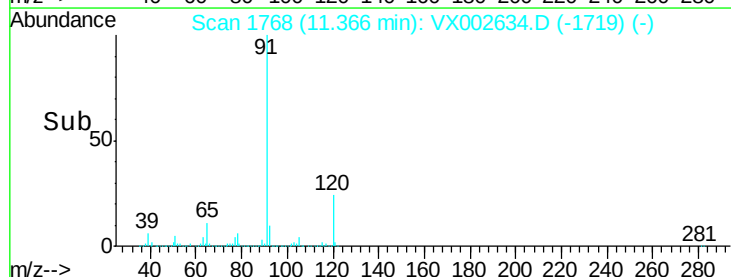
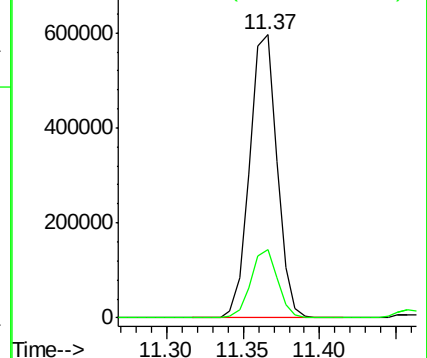
91 100

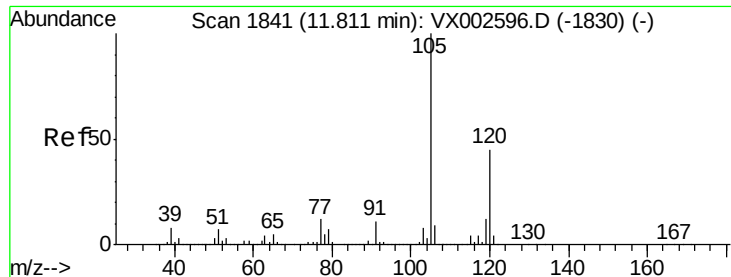
120 23.6 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.37 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampleId :

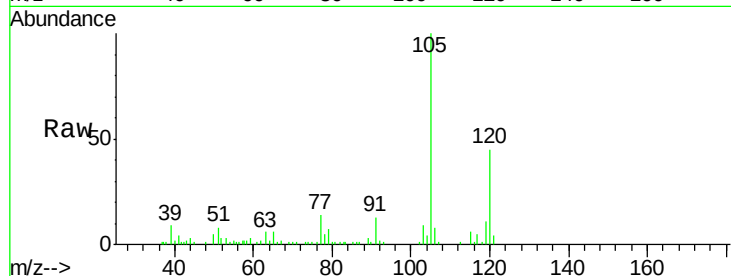
W-33

Tot Ion:105 Resp: 13494

Ion Ratio Lower Upper

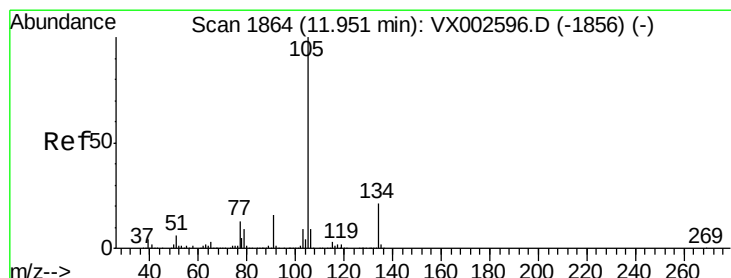
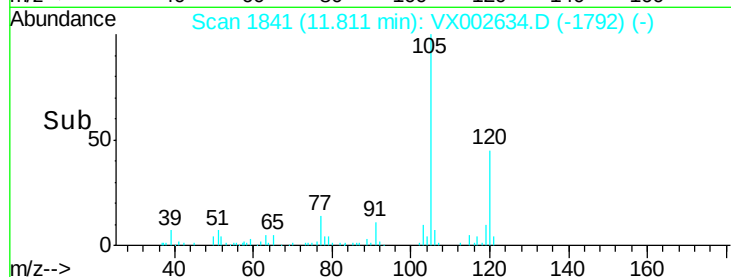
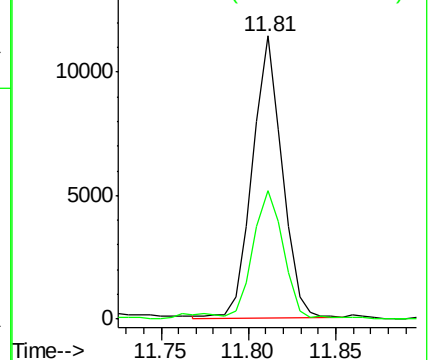
105 100

120 47.0 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 4.23 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002634.D

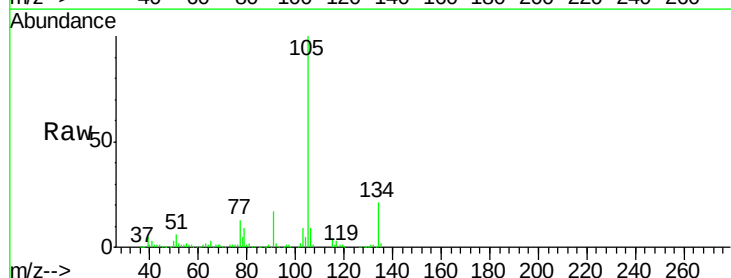
Acq: 16 Jun 2018 08:58

Tgt Ion:105 Resp: 49039

Ion Ratio Lower Upper

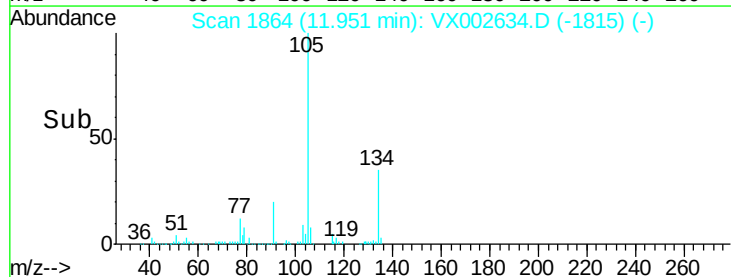
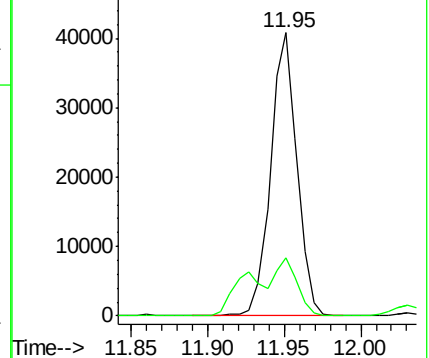
105 100

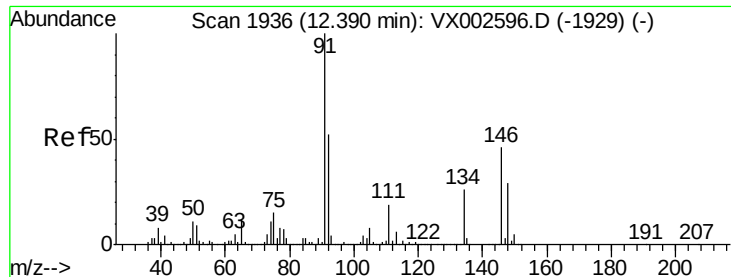
134 17.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 7.93 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

Instrument :

MSVOA_X

ClientSampleId :

W-33

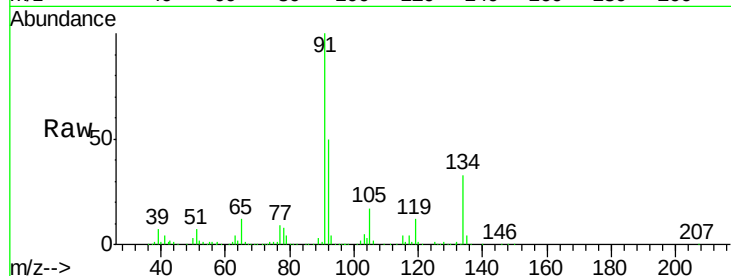
Tot Ion: 91 Resp: 73335

Ion Ratio Lower Upper

91 100

92 37.1 26.0 78.0

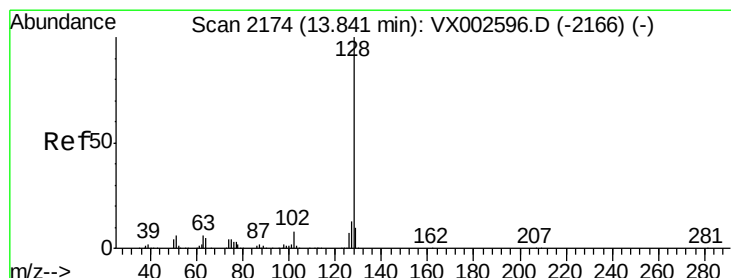
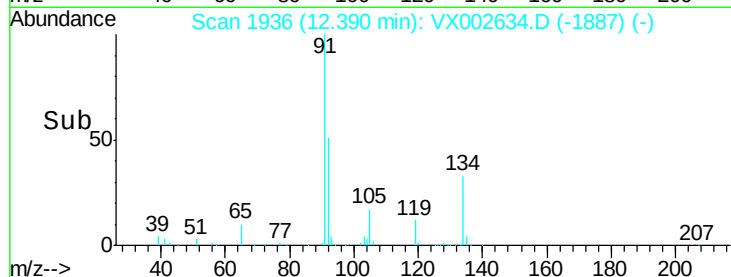
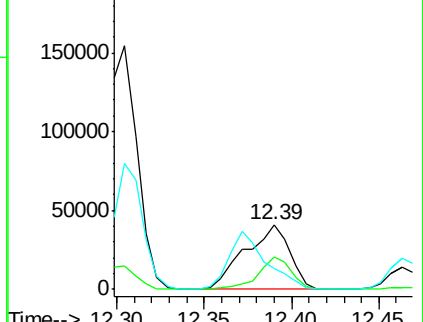
134 74.4 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VX002596.D (-1929) (-)

Ion 92.00 (91.70 to 92.70): VX002596.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX002596.D (-1929) (-)



#95

Naphthalene

Concen: 76.10 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002634.D

Acq: 16 Jun 2018 08:58

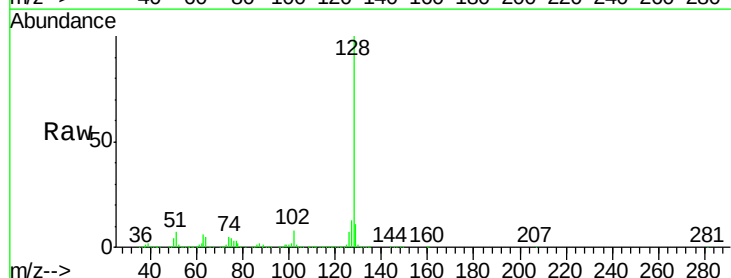
Tgt Ion: 128 Resp: 874255

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VX002596.D (-2166) (-)

Ion 127.00 (126.70 to 127.70): VX002596.D (-2166) (-)

Ion 129.00 (128.70 to 129.70): VX002596.D (-2166) (-)

