

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092618\
 Data File : VX004758.D
 Acq On : 27 Sep 2018 07:18
 Operator : JC/MD
 Sample : J5020-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-091918

Quant Time: Sep 27 09:04:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	295347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	466378	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	447350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	260464	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	202618	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
35) Dibromofluoromethane	5.51	113	172827	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	
50) Toluene-d8	8.72	98	673282	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	261957	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	

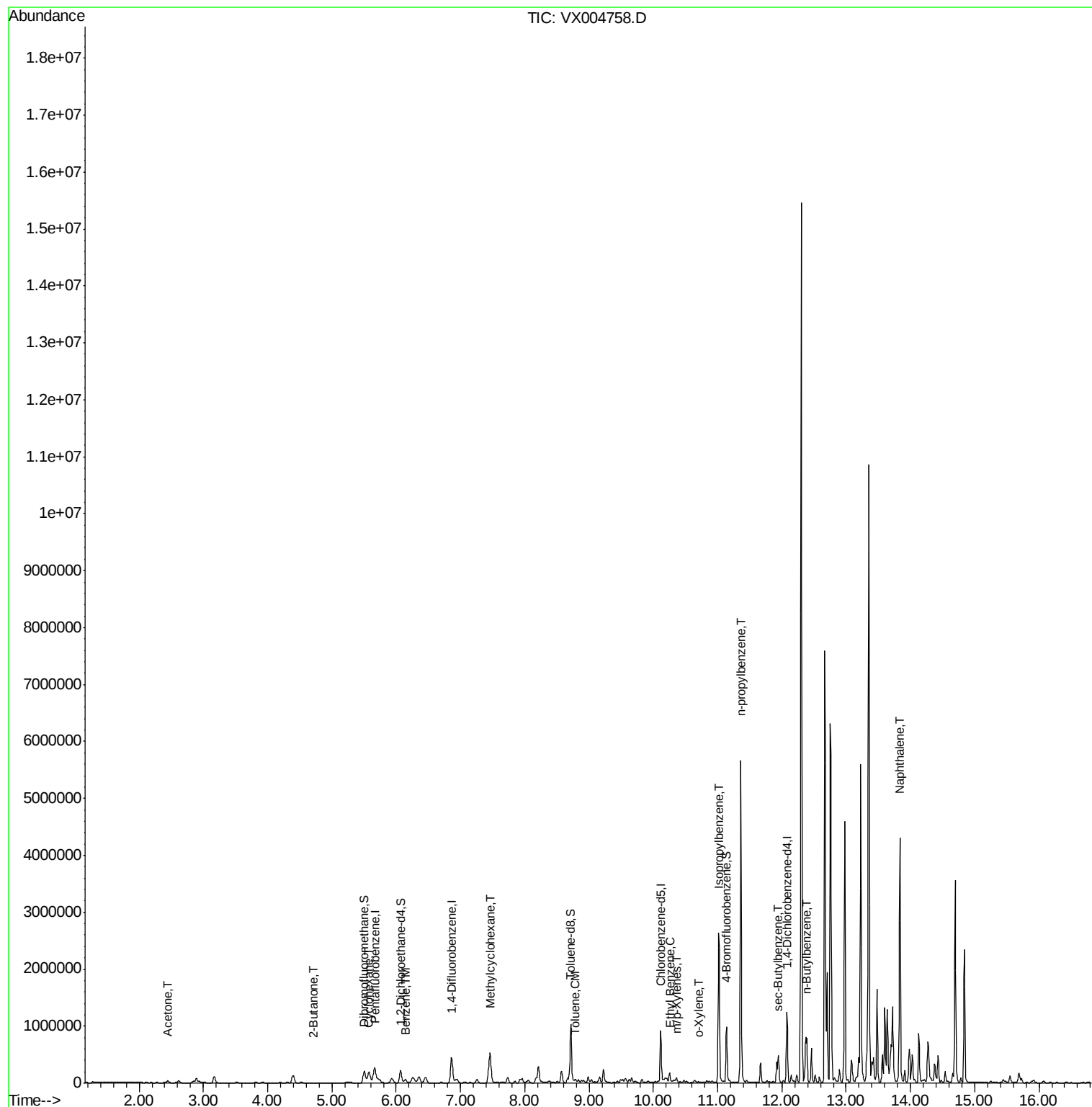
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	39202	15.915	ug/l	99
25) 2-Butanone	4.71	43	5401	1.488	ug/l	91
31) Cyclohexane	5.58	56	134220	25.003	ug/l	90
39) Methylcyclohexane	7.46	83	240149	43.610	ug/l	92
40) Benzene	6.15	78	72758	4.309	ug/l	99
52) Toluene	8.79	92	16800	1.811	ug/l	95
67) Ethyl Benzene	10.26	91	106364	5.840	ug/l	98
68) m/p-Xylenes	10.36	106	14257	2.003	ug/l	88
69) o-Xylene	10.70	106	3326	0.509	ug/l	95
73) Isopropylbenzene	11.02	105	1475072	89.848	ug/l	99
78) n-propylbenzene	11.36	91	3624202	192.398	ug/l	99
85) sec-Butylbenzene	11.94	105	248505	15.094	ug/l	97
89) n-Butylbenzene	12.39	91	378330	27.927	ug/l #	79
95) Naphthalene	13.83	128	2593650	118.711	ug/l	98

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

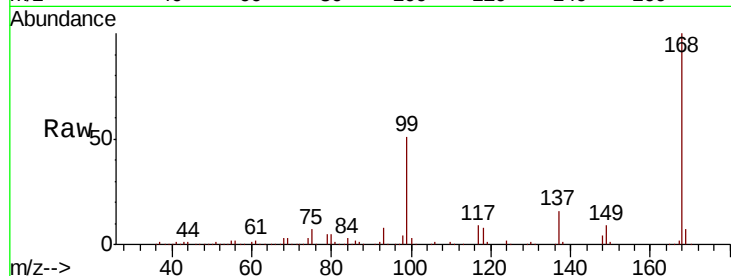
T2-MW-4-8.0-091918

Tot Ion:168 Resp: 295347

Ion Ratio Lower Upper

168 100

99 50.5 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

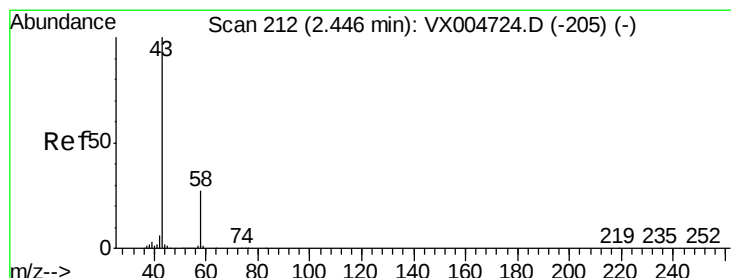
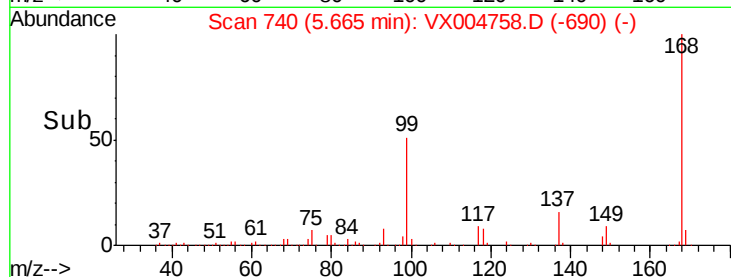
40000

20000

0

Time-->

5.60 5.80 6.00



#16

Acetone

Concen: 15.915 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004758.D

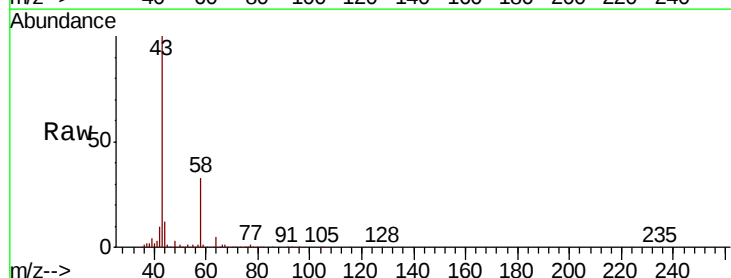
Acq: 27 Sep 2018 07:18

Tgt Ion: 43 Resp: 39202

Ion Ratio Lower Upper

43 100

58 33.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

25000

20000

15000

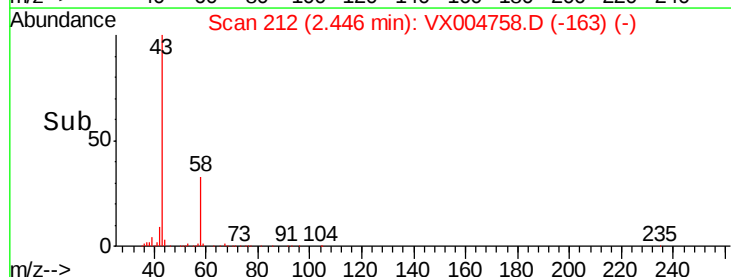
10000

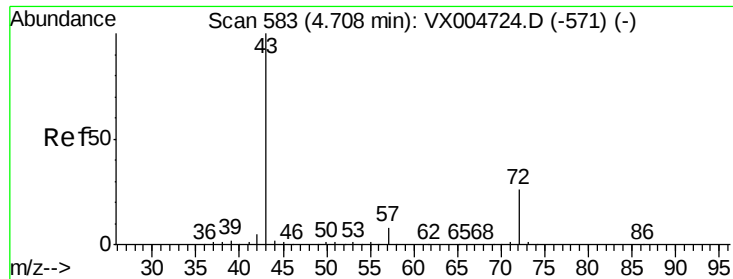
5000

0

Time-->

2.35 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 1.488 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

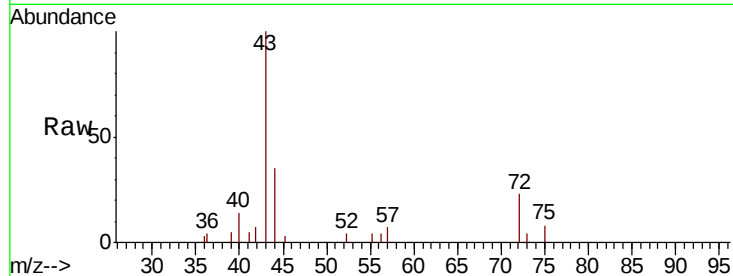
T2-MW-4-8.0-091918

Tot Ion: 43 Resp: 5401

Ion Ratio Lower Upper

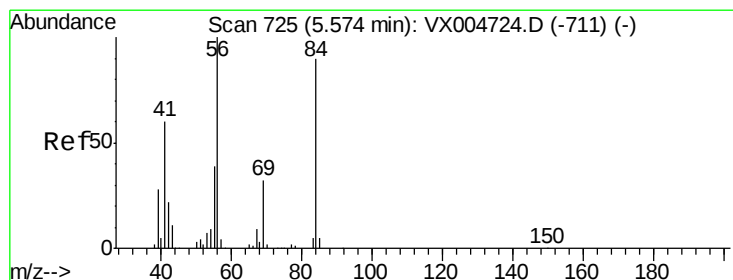
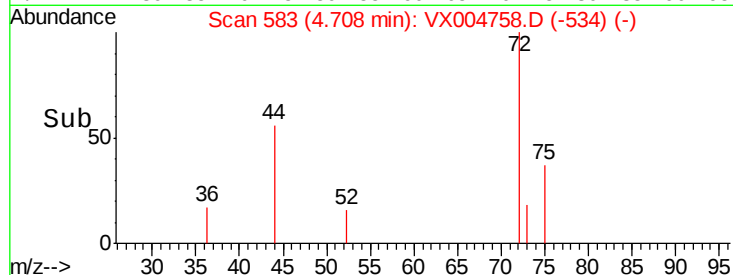
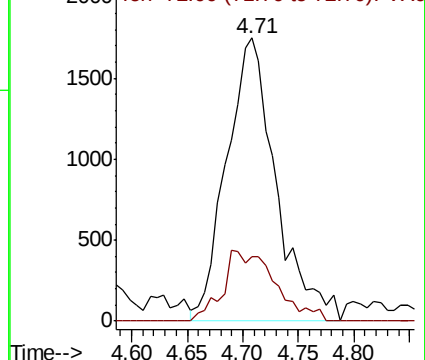
43 100

72 22.7 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 25.003 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

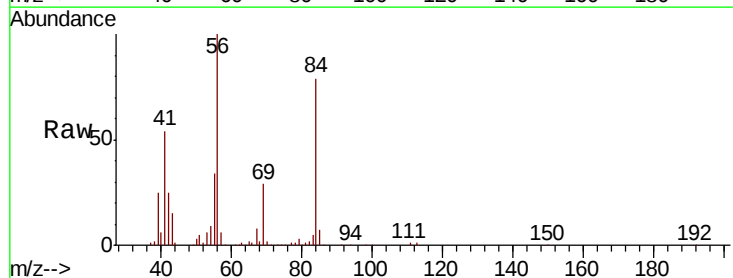
Tgt Ion: 56 Resp: 134220

Ion Ratio Lower Upper

56 100

69 26.7 25.4 38.2

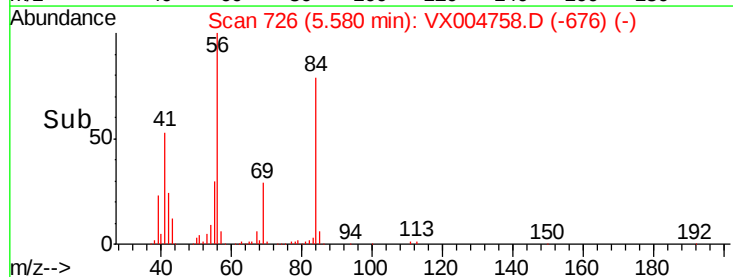
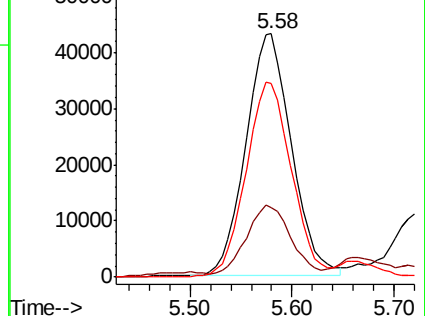
84 79.6 71.4 107.2

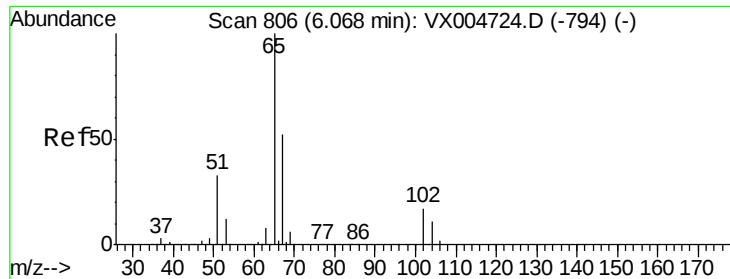


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

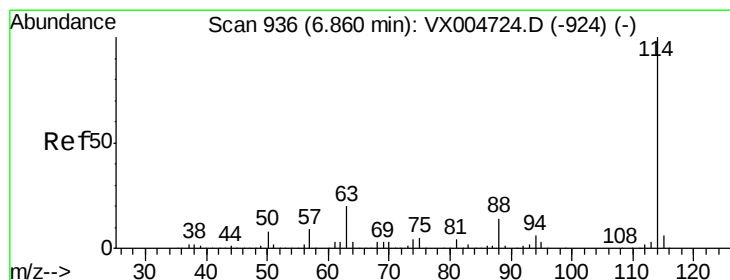
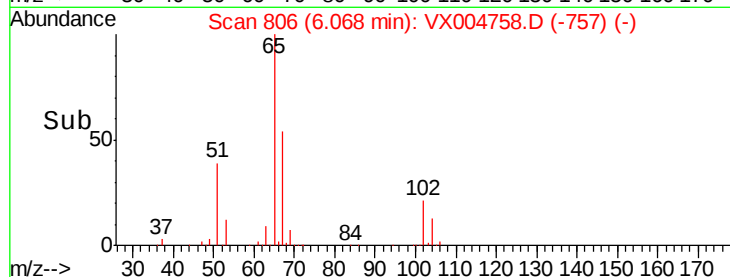
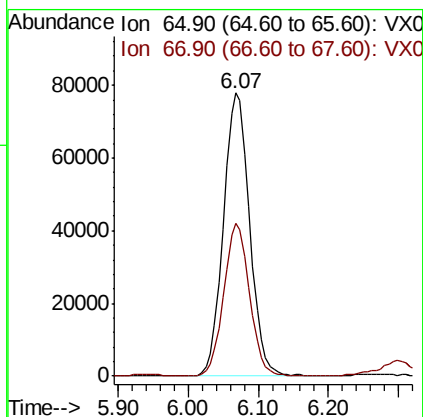
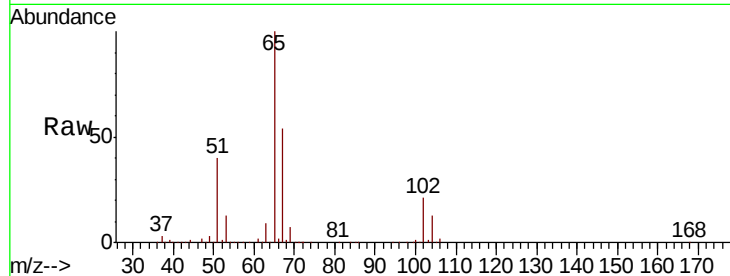




#33
 1,2-Dichloroethane-d4
 Concen: 48.025 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004758.D
 Acq: 27 Sep 2018 07:18

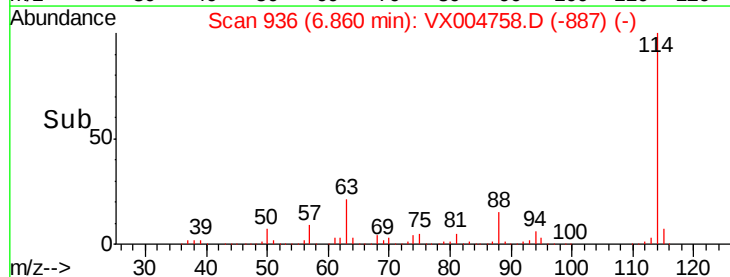
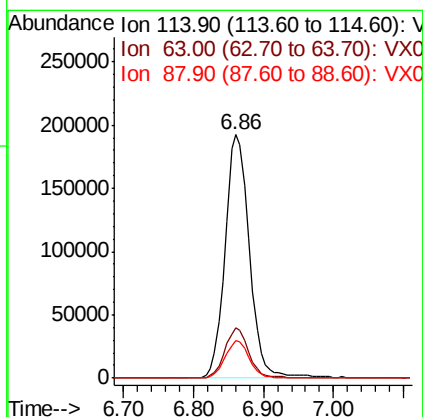
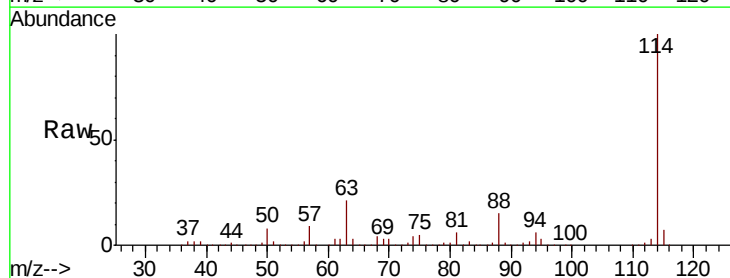
Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-091918

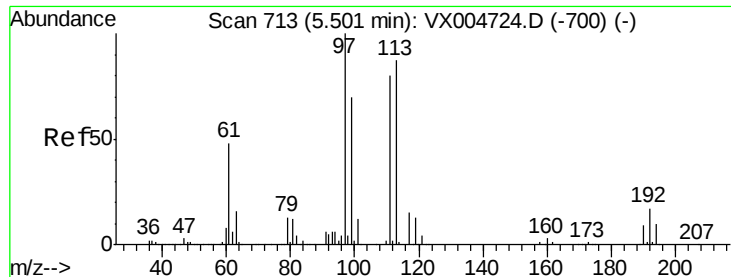
Tot Ion: 65 Resp: 202618
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004758.D
 Acq: 27 Sep 2018 07:18

Tgt Ion: 114 Resp: 466378
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 39.0
 88 15.4 0.0 30.4

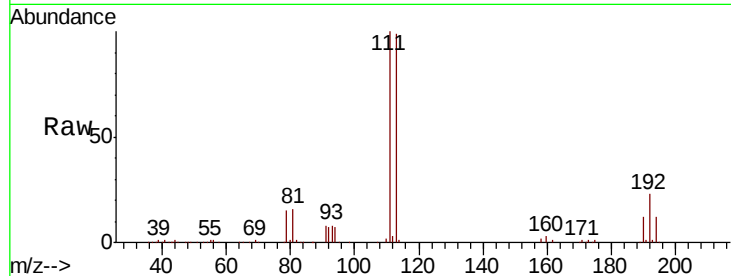




#35
 Dibromofluoromethane
 Concen: 43.725 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004758.D
 Acq: 27 Sep 2018 07:18

Instrument :
 MSVOA_X
 ClientSampleId :
 T2-MW-4-8.0-091918

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.4	123.6
192	23.4	19.4	29.2

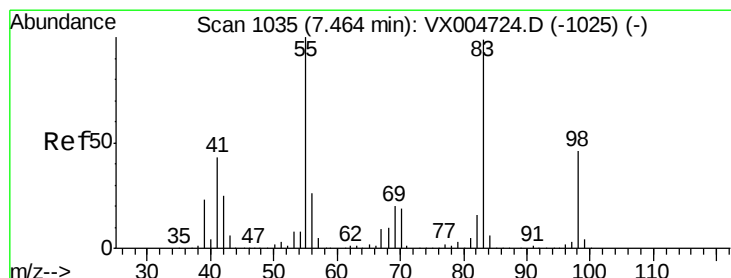
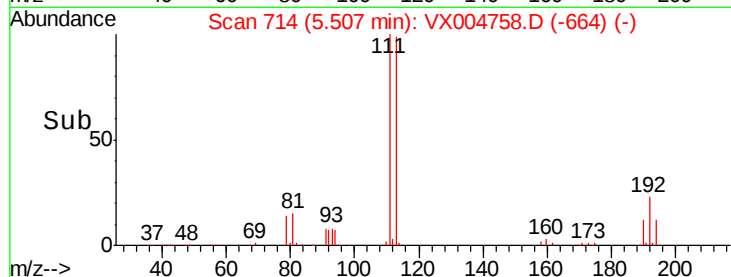
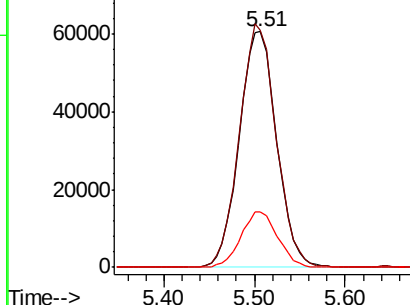


Abundance

Ion 112.80 (112.50 to 113.50): V

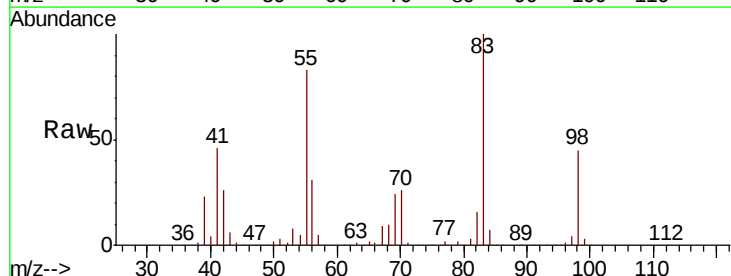
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
 Methylcyclohexane
 Concen: 43.610 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX004758.D
 Acq: 27 Sep 2018 07:18

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.0	61.0	91.4
98	44.6	39.6	59.4

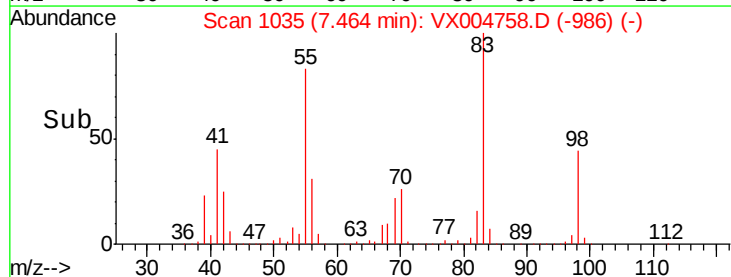
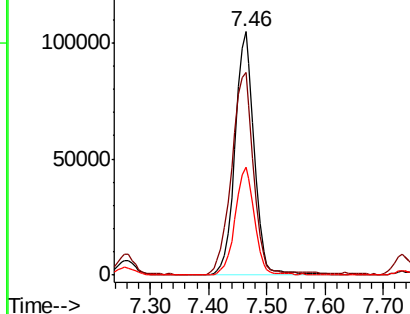


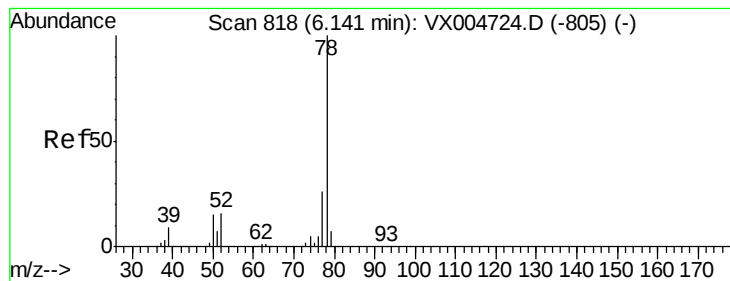
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.309 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

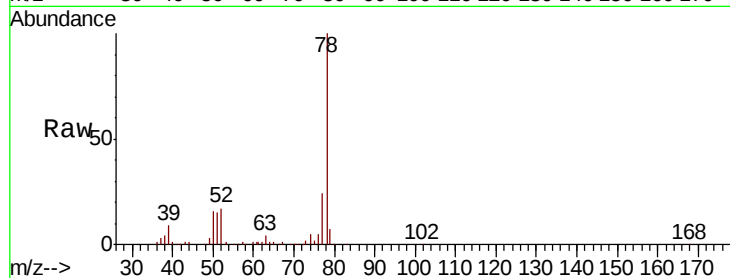
T2-MW-4-8.0-091918

Tot Ion: 78 Resp: 72758

Ion Ratio Lower Upper

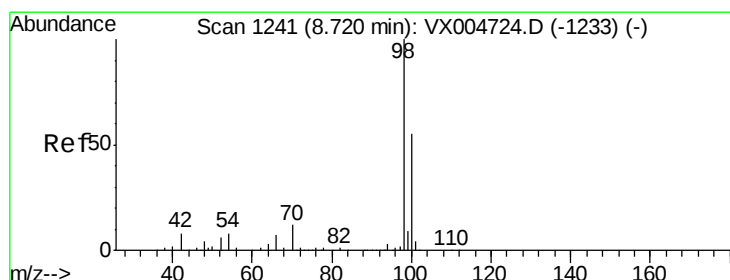
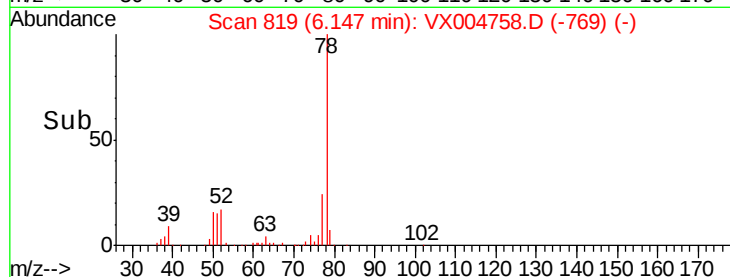
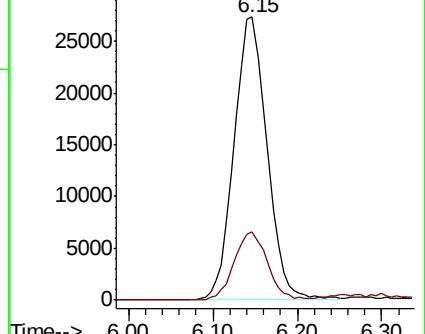
78 100

77 24.1 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.237 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004758.D

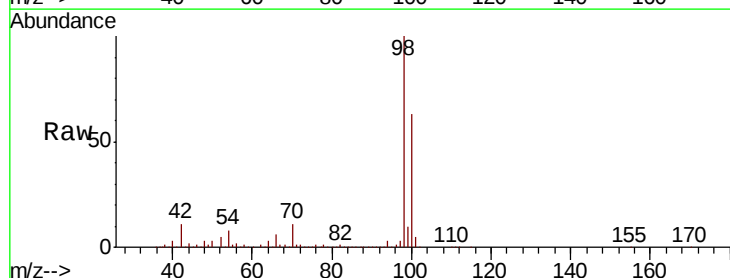
Acq: 27 Sep 2018 07:18

Tgt Ion: 98 Resp: 673282

Ion Ratio Lower Upper

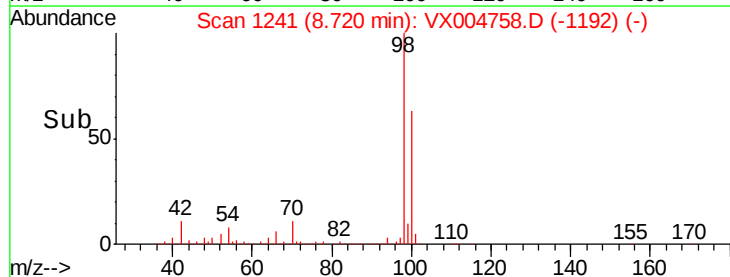
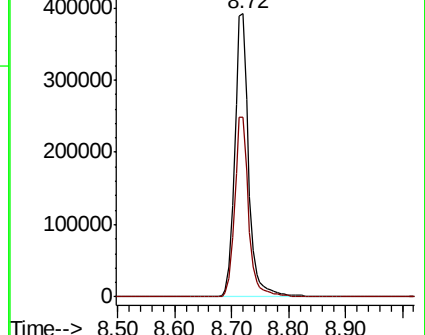
98 100

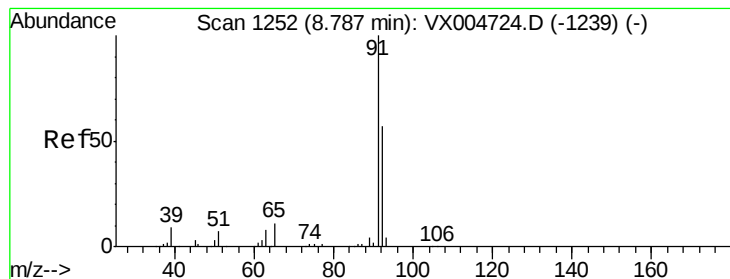
100 63.3 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 1.811 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

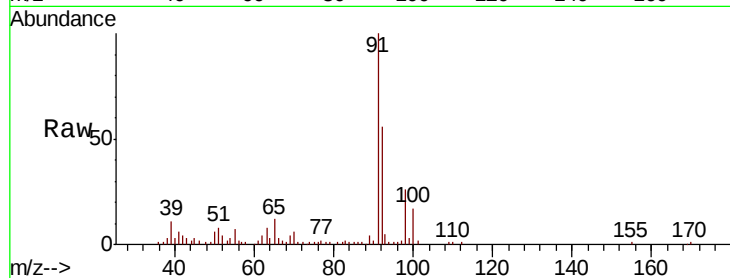
T2-MW-4-8.0-091918

Tot Ion: 92 Resp: 16800

Ion Ratio Lower Upper

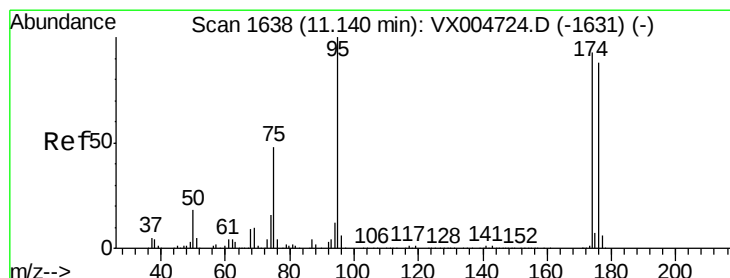
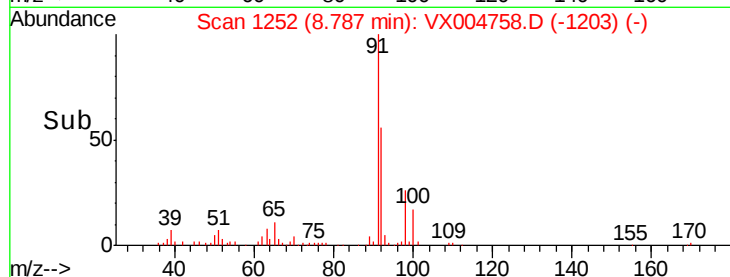
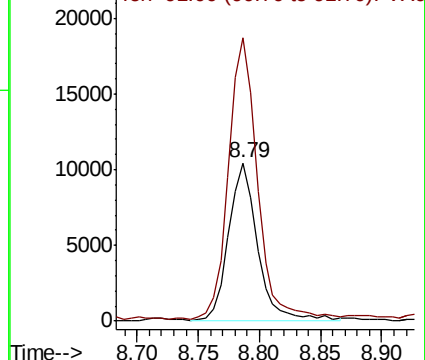
92 100

91 177.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.336 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

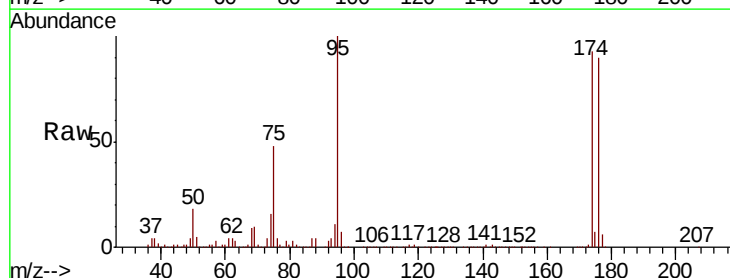
Tgt Ion: 95 Resp: 261957

Ion Ratio Lower Upper

95 100

174 87.9 0.0 185.2

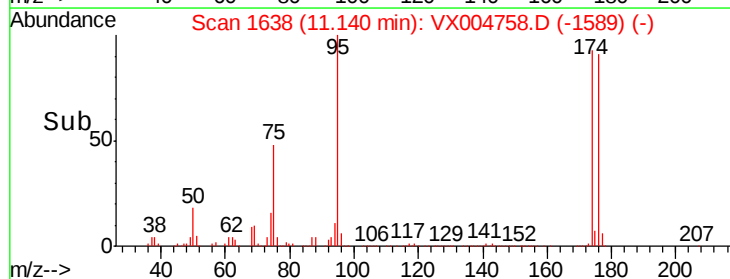
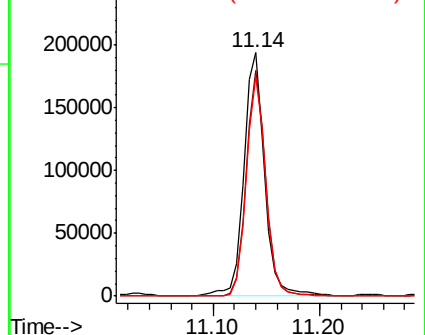
176 85.1 0.0 178.6

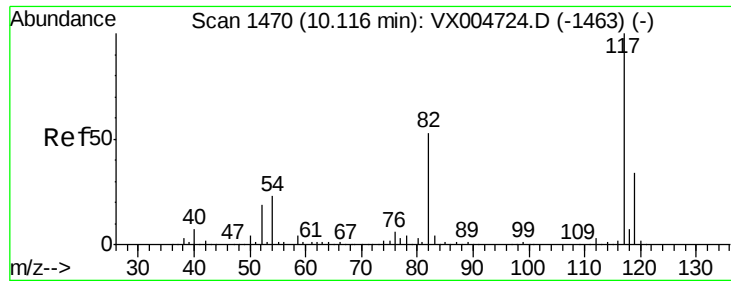


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

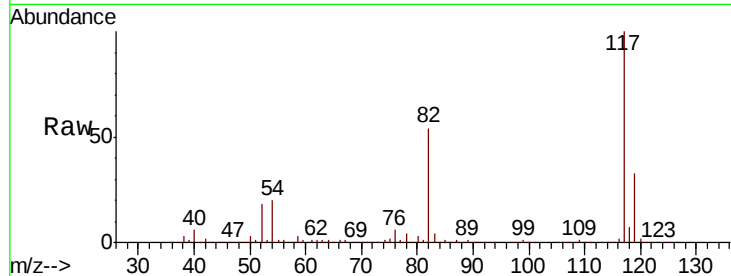




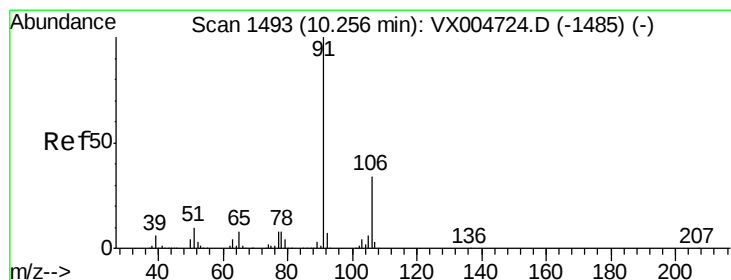
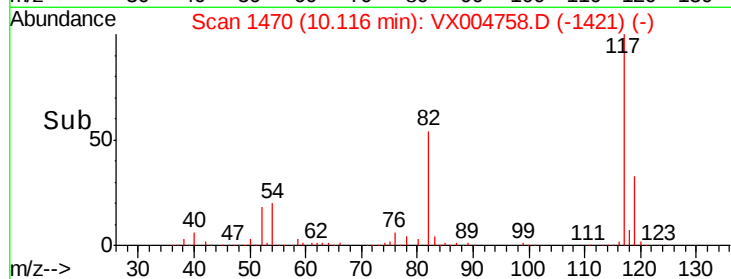
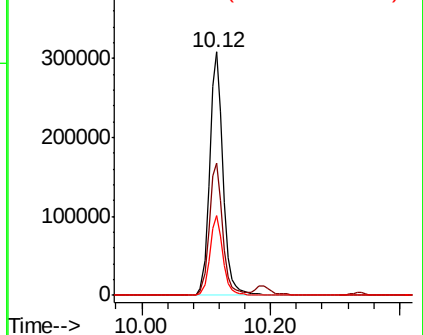
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004758.D
Acq: 27 Sep 2018 07:18

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-091918

Tot Ion:117 Resp: 447350
Ion Ratio Lower Upper
117 100
82 54.2 47.8 71.6
119 32.6 29.3 43.9

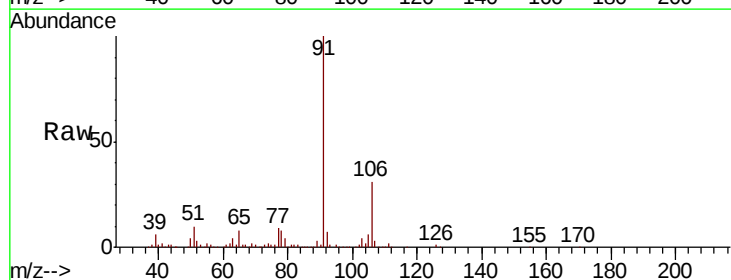


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

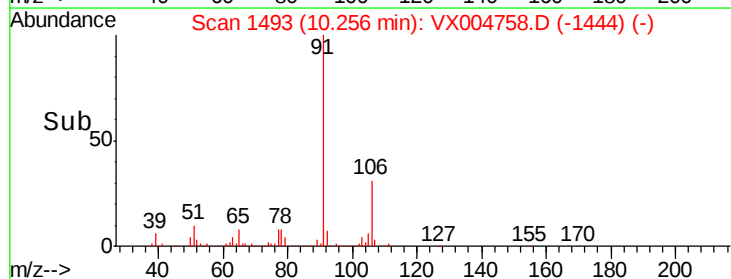
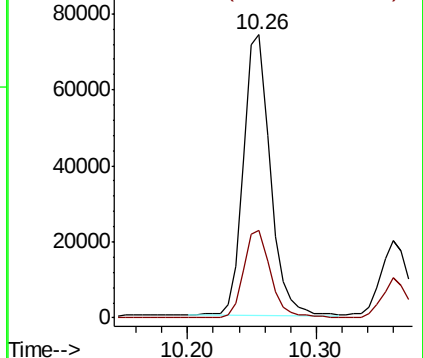


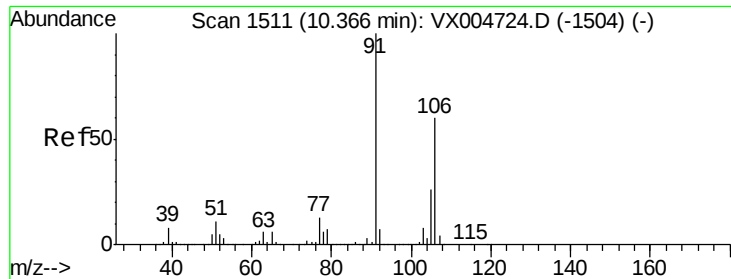
#67
Ethyl Benzene
Concen: 5.840 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004758.D
Acq: 27 Sep 2018 07:18

Tgt Ion: 91 Resp: 106364
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

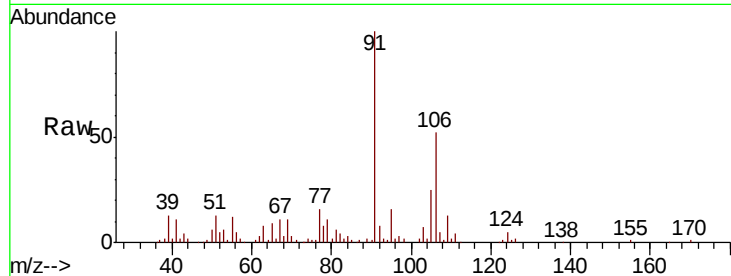




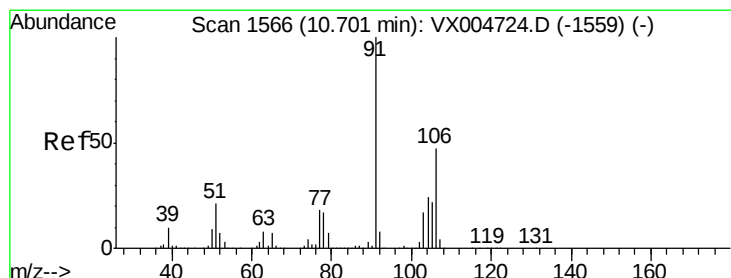
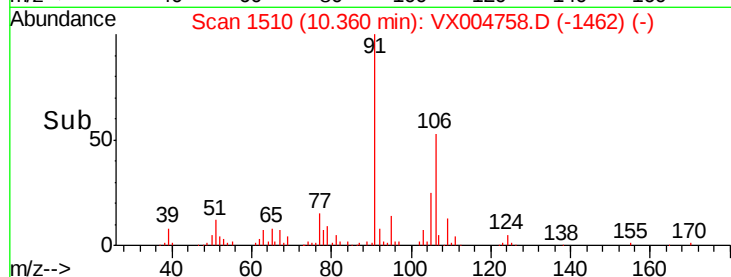
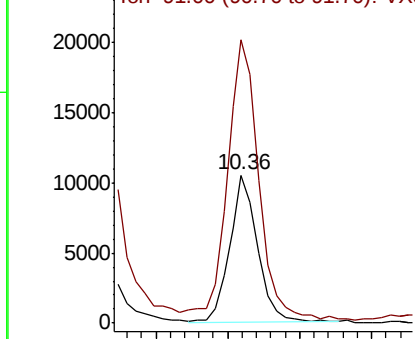
#68
m/p-Xylenes
Concen: 2.003 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004758.D
Acq: 27 Sep 2018 07:18

Instrument :
MSVOA_X
ClientSampleId :
T2-MW-4-8.0-091918

Tot Ion:106 Resp: 14257
Ion Ratio Lower Upper
106 100
91 214.0 157.1 235.7

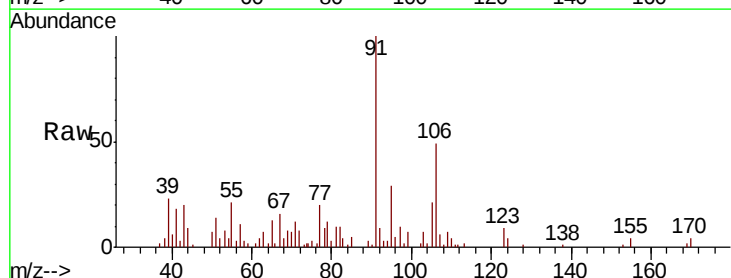


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

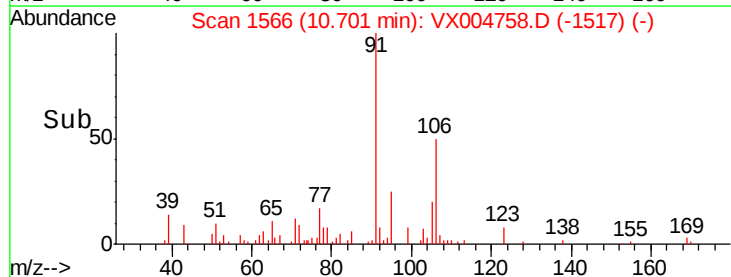
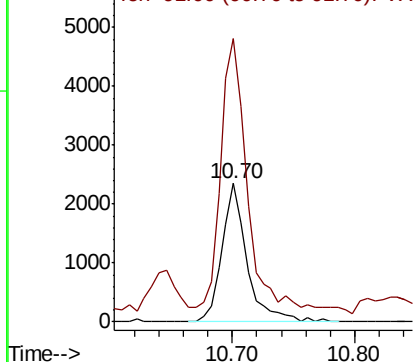


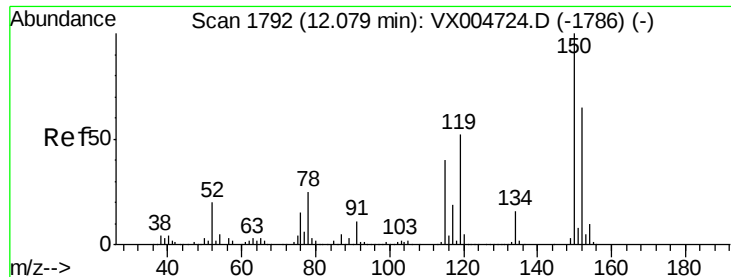
#69
o-Xylene
Concen: 0.509 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004758.D
Acq: 27 Sep 2018 07:18

Tgt Ion:106 Resp: 3326
Ion Ratio Lower Upper
106 100
91 217.6 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-091918

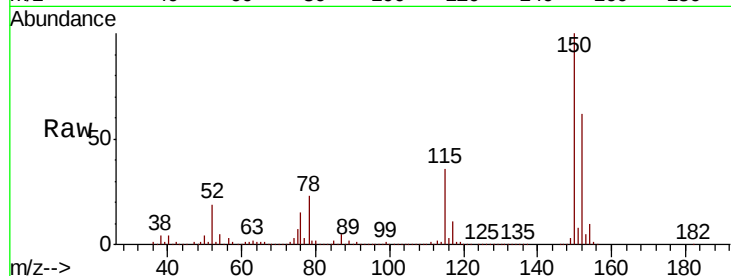
Tot Ion:152 Resp: 260464

Ion Ratio Lower Upper

152 100

115 55.8 39.0 117.0

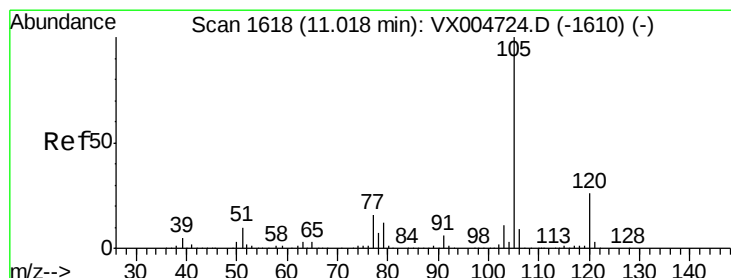
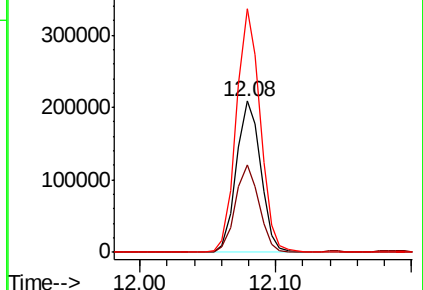
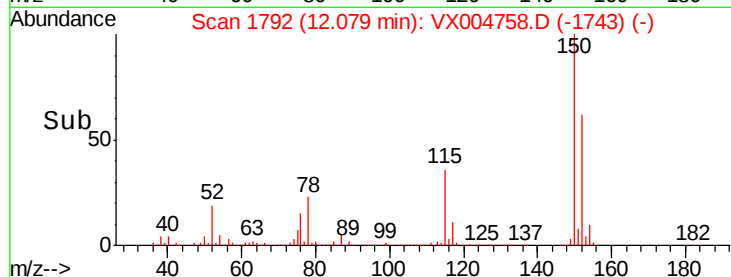
150 158.0 0.0 351.0



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



#73

Isopropylbenzene

Concen: 89.848 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004758.D

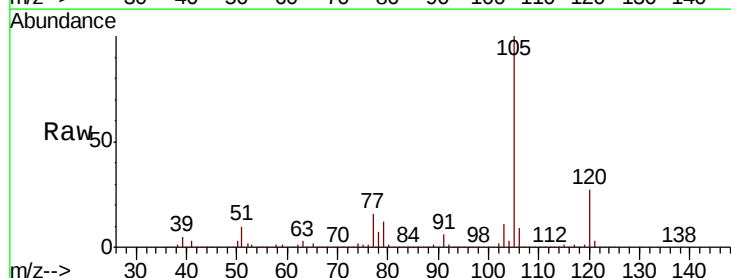
Acq: 27 Sep 2018 07:18

Tgt Ion:105 Resp: 1475072

Ion Ratio Lower Upper

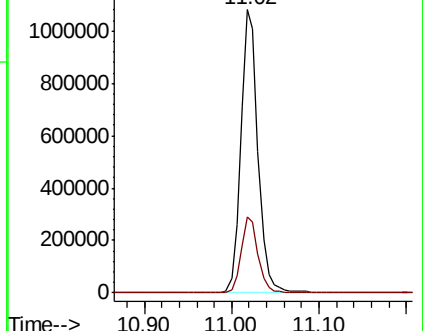
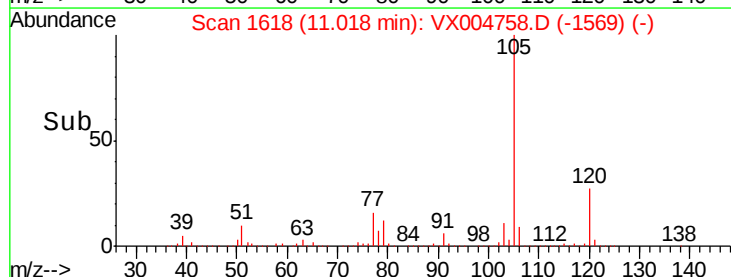
105 100

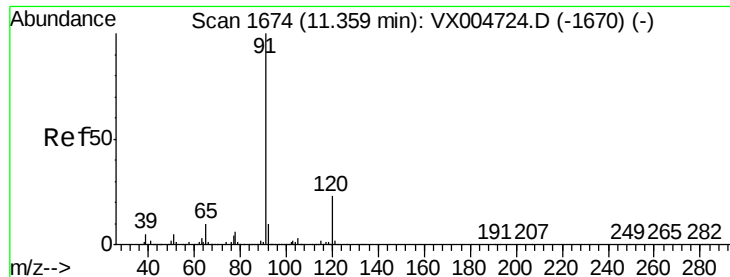
120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 192.398 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

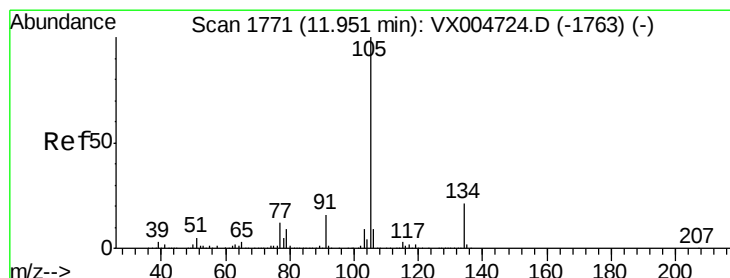
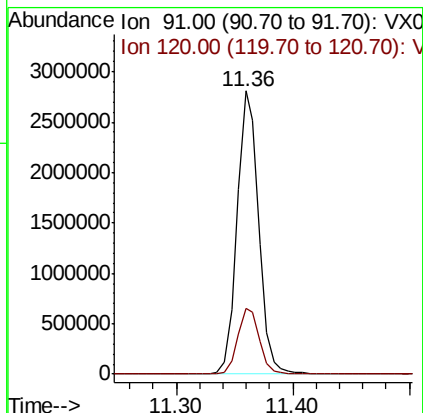
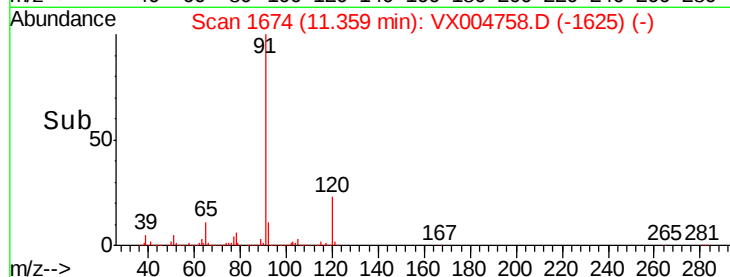
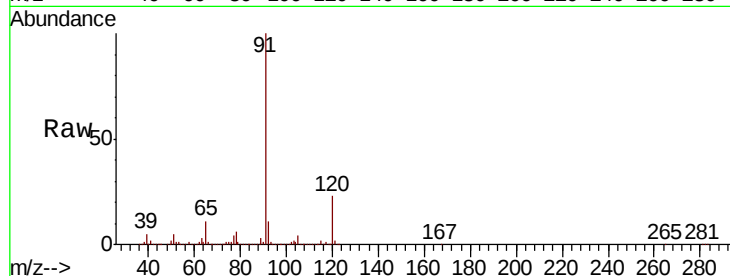
T2-MW-4-8.0-091918

Tot Ion: 91 Resp: 3624202

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.9



#85

sec-Butylbenzene

Concen: 15.094 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004758.D

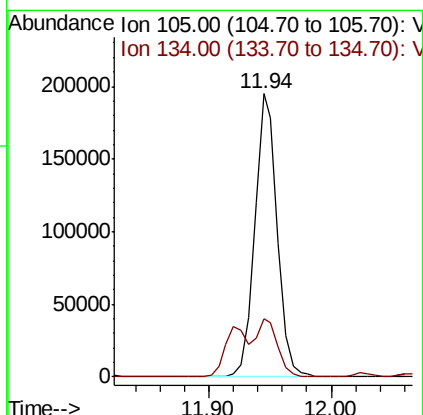
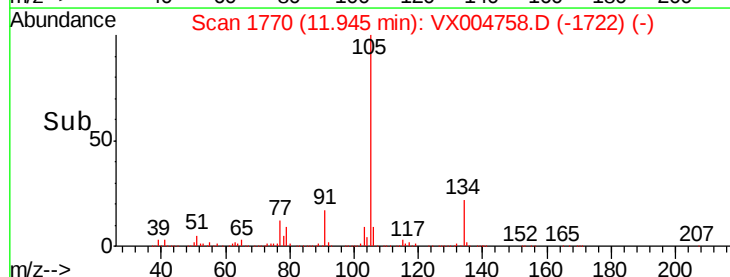
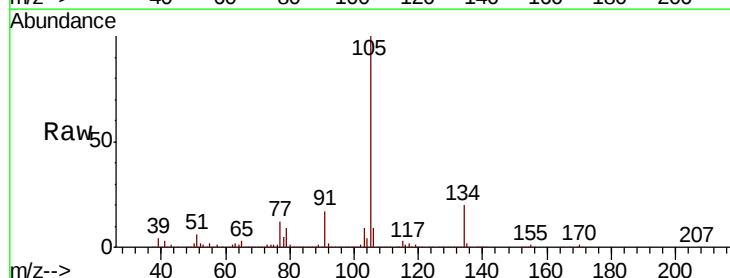
Acq: 27 Sep 2018 07:18

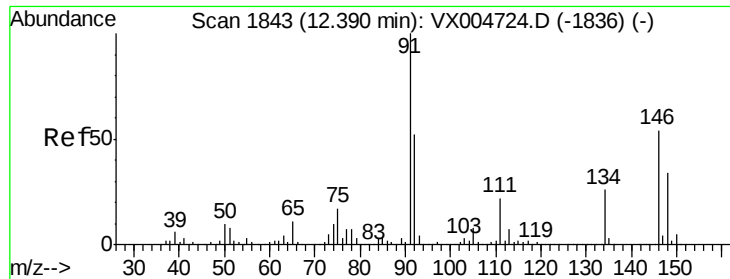
Tgt Ion: 105 Resp: 248505

Ion Ratio Lower Upper

105 100

134 19.7 10.5 31.5





#89

n-Butylbenzene

Concen: 27.927 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

Instrument :

MSVOA_X

ClientSampleId :

T2-MW-4-8.0-091918

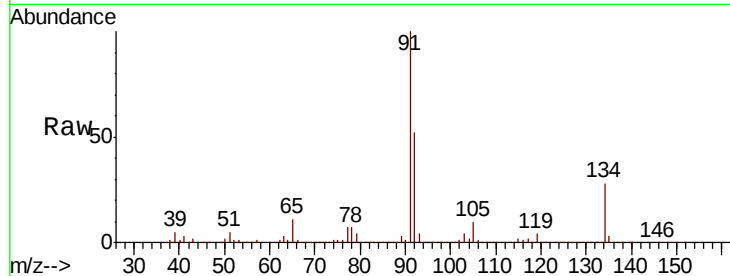
Tot Ion: 91 Resp: 378330

Ion Ratio Lower Upper

91 100

92 45.4 27.3 81.9

134 46.5 13.6 40.7#

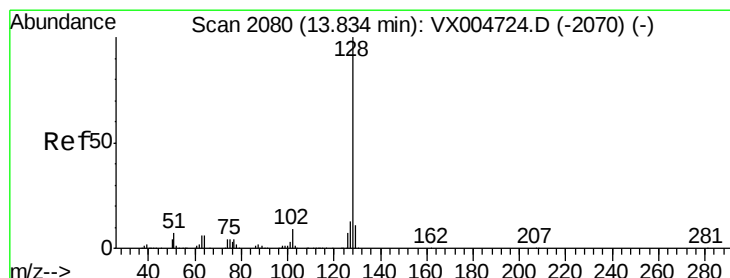
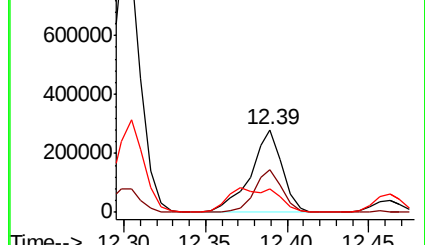
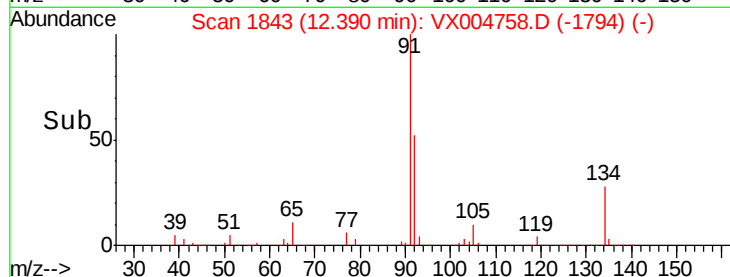


Abundance Ion 91.00 (90.70 to 91.70): VX004724.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX004724.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX004724.D (-1836) (-)

Time-->



#95

Naphthalene

Concen: 118.711 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004758.D

Acq: 27 Sep 2018 07:18

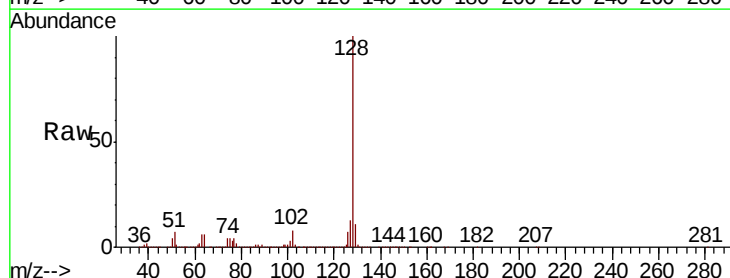
Tgt Ion:128 Resp: 2593650

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 11.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): VX004724.D (-2070) (-)

Ion 127.00 (126.70 to 127.70): VX004724.D (-2070) (-)

Ion 129.00 (128.70 to 129.70): VX004724.D (-2070) (-)

Time-->

