

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011521.D
 Acq On : 13 Aug 2019 06:41
 Operator : JC/SP
 Sample : K4279-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

Quant Time: Aug 14 01:31:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	191856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	280820	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	137745	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	104463	54.07	ug/l	0.01
Spiked Amount			Recovery	=	108.14%	
35) Dibromofluoromethane	5.49	113	86494	47.18	ug/l	0.00
Spiked Amount			Recovery	=	94.36%	
50) Toluene-d8	8.71	98	332506	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.13	95	125704	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

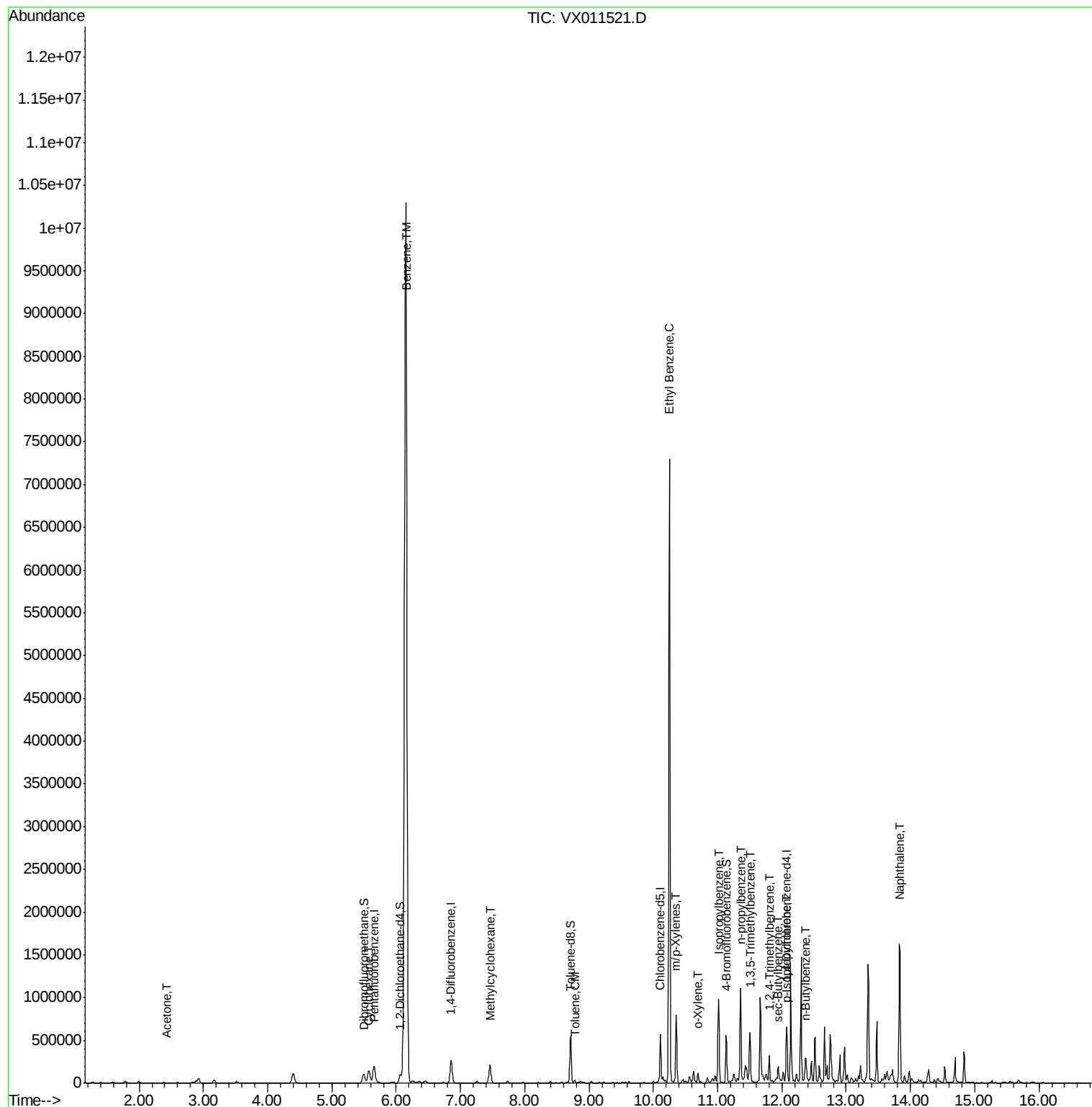
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	3395	3.692	ug/l	98
31) Cyclohexane	5.57	56	93732	37.672	ug/l	100
39) Methylcyclohexane	7.46	83	95506	32.863	ug/l	97
40) Benzene	6.15	78	12487374	1706.759	ug/l	95
52) Toluene	8.79	92	6699	1.385	ug/l	99
67) Ethyl Benzene	10.25	91	4093204	439.525	ug/l	99
68) m/p-Xylenes	10.36	106	190925	53.003	ug/l	97
69) o-Xylene	10.69	106	22608	6.388	ug/l	92
73) Isopropylbenzene	11.02	105	515171	54.685	ug/l	100
78) n-propylbenzene	11.36	91	677278	64.647	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	258592	32.790	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	133753	17.035	ug/l	100
85) sec-Butylbenzene	11.94	105	85475	9.198	ug/l	85
86) p-Isopropyltoluene	12.06	119	8634	1.010	ug/l	90
89) n-Butylbenzene	12.38	91	60447	8.207	ug/l #	54
95) Naphthalene	13.83	128	1022800	113.714	ug/l	100

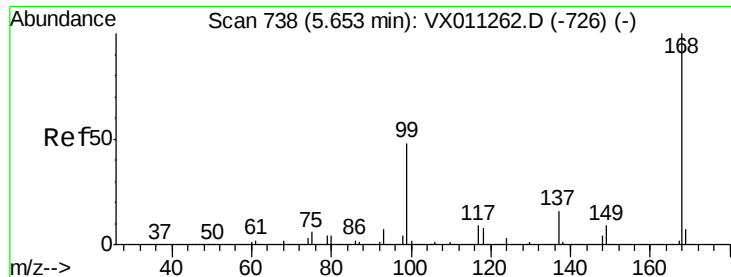
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081219\
Data File : VX011521.D
Acq On : 13 Aug 2019 06:41
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Sample : K4279-04
Misc : 5.0mL/MSVOA X/WATER
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Quant Time: Aug 14 01:31:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

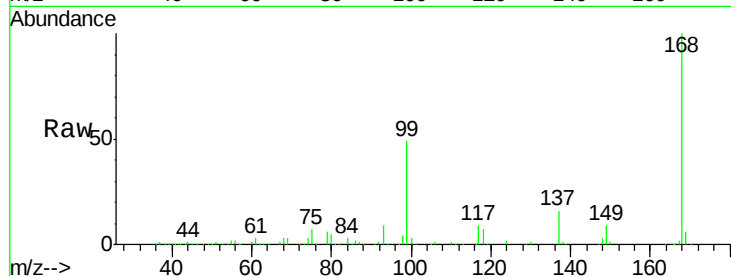
Z3-0670

Tot Ion:168 Resp: 191856

Ion Ratio Lower Upper

168 100

99 49.2 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

80000

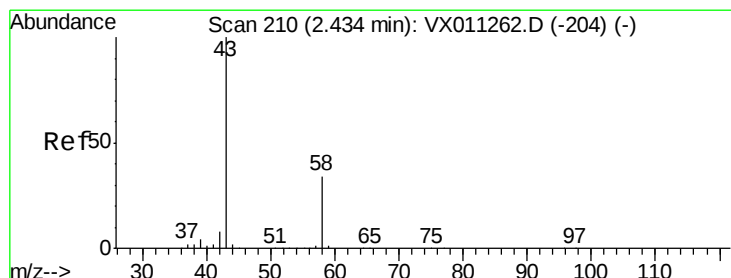
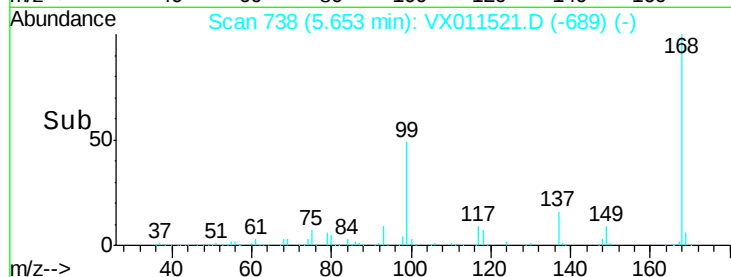
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.692 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011521.D

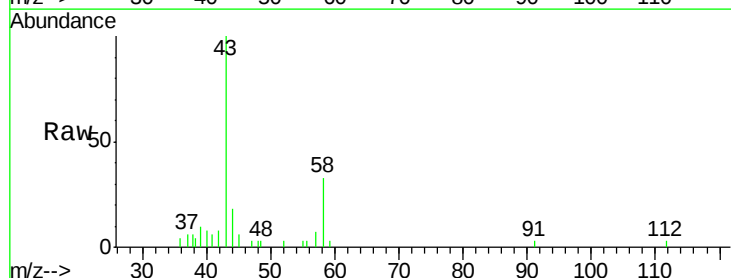
Acq: 13 Aug 2019 06:41

Tgt Ion: 43 Resp: 3395

Ion Ratio Lower Upper

43 100

58 32.8 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2000

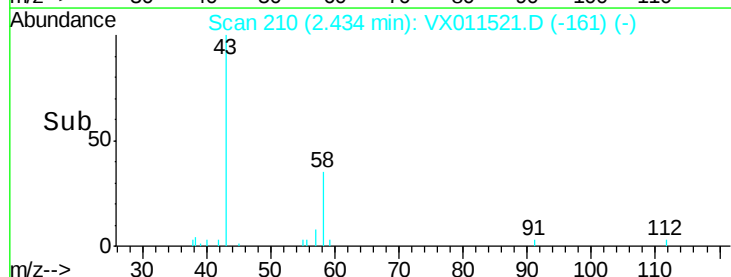
1500

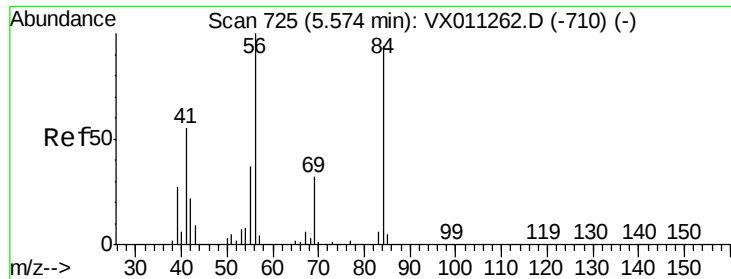
1000

500

0

Time--> 2.40 2.45 2.50

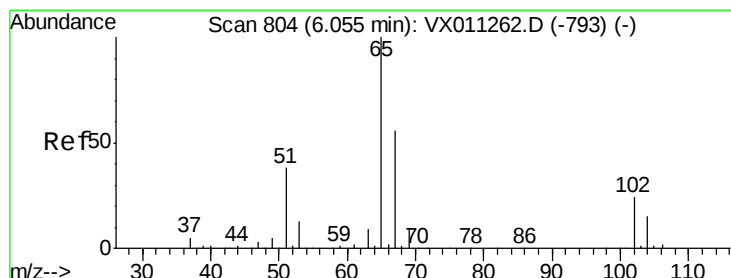
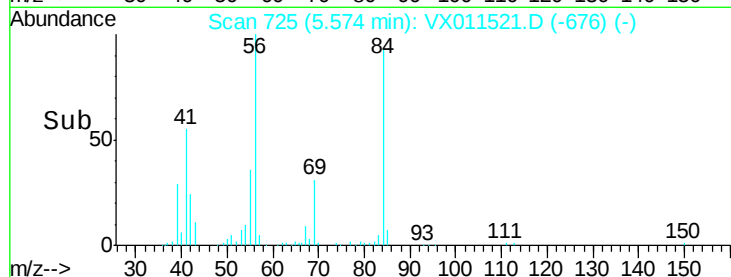
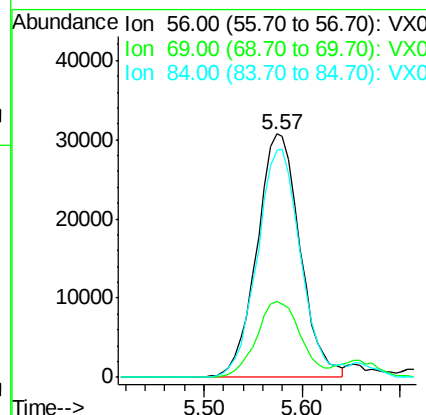
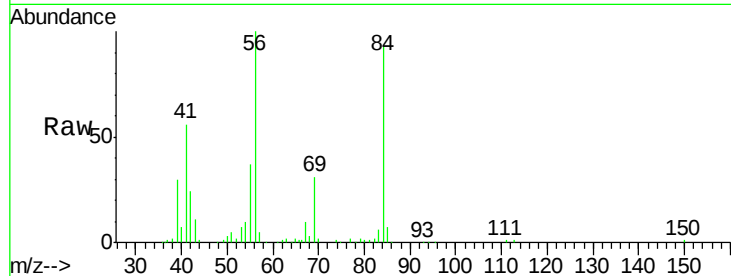




#31
Cyclohexane
Concen: 37.672 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

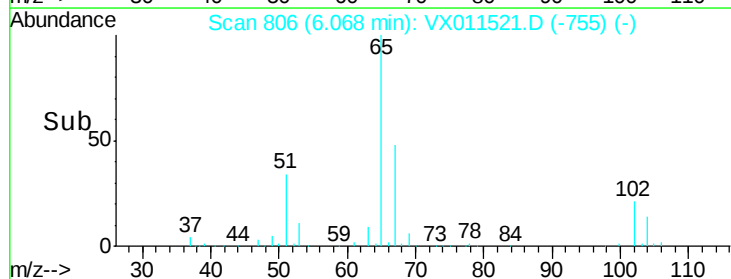
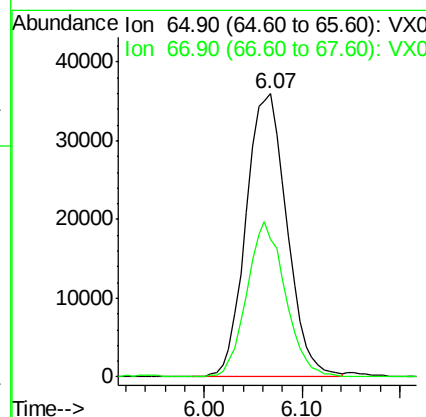
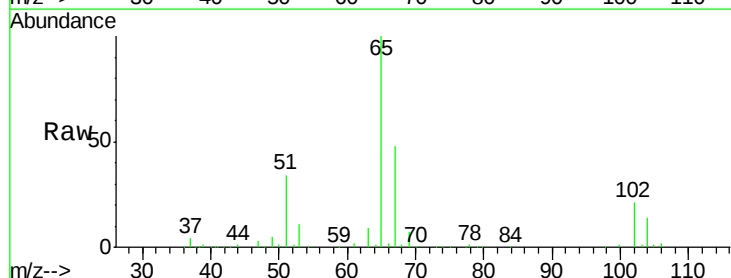
Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

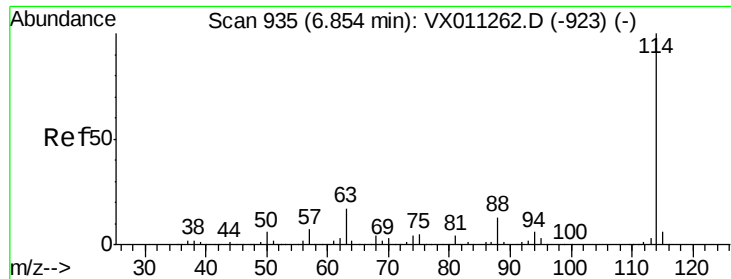
Tot Ion: 56 Resp: 93732
Ion Ratio Lower Upper
56 100
69 31.3 25.5 38.3
84 93.6 75.0 112.4



#33
1,2-Dichloroethane-d4
Concen: 54.067 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

Tgt Ion: 65 Resp: 104463
Ion Ratio Lower Upper
65 100
67 51.5 0.0 110.6

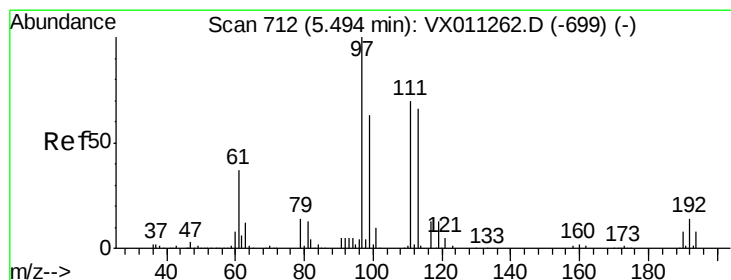
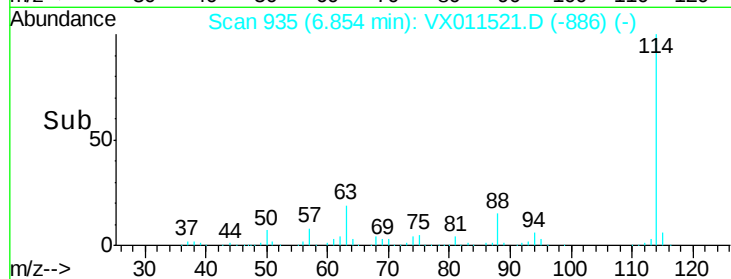
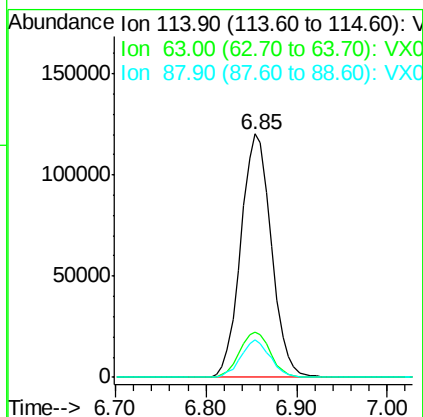
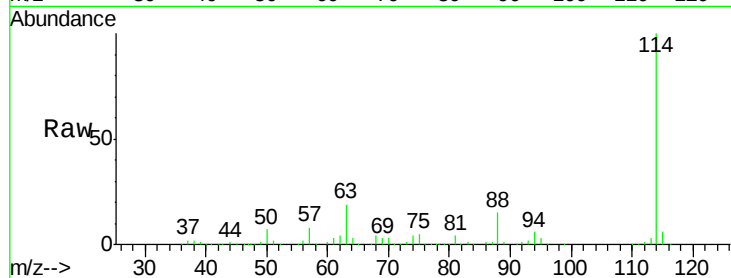




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011521.D
 Acq: 13 Aug 2019 06:41

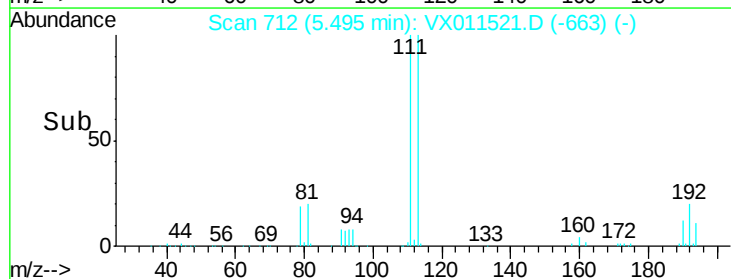
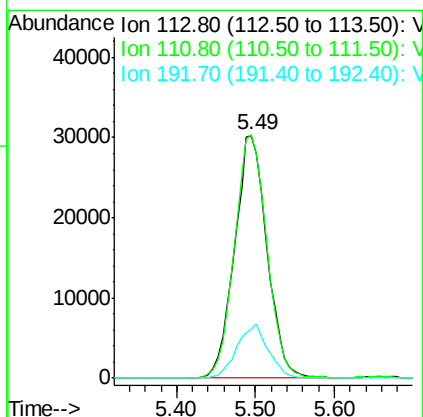
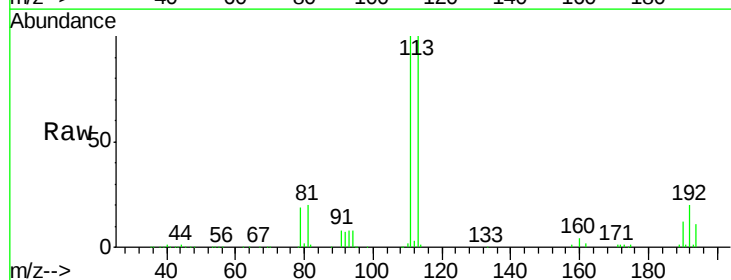
Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-0670

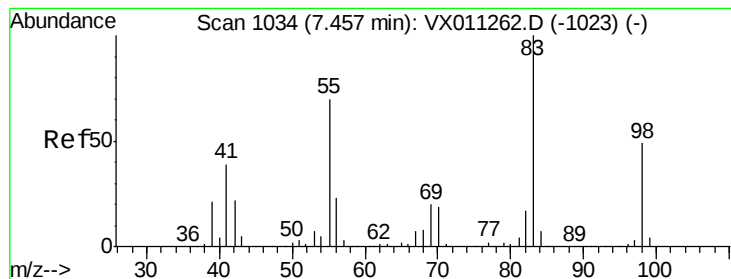
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	34.0
88	15.5	0.0	26.4



#35
 Dibromofluoromethane
 Concen: 47.177 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011521.D
 Acq: 13 Aug 2019 06:41

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	81.9	122.9
192	21.5	17.8	26.8





#39

Methvlcvclohexane

Concen: 32.863 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

Z3-0670

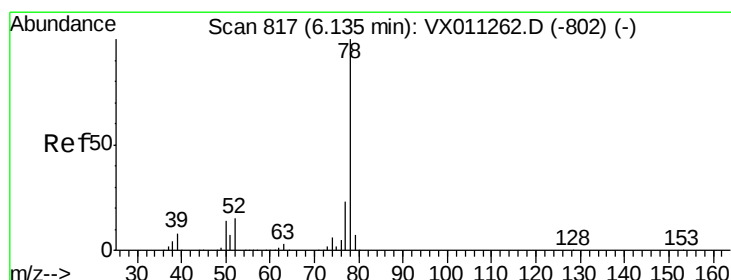
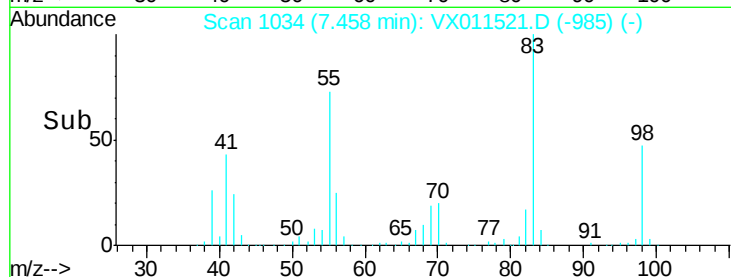
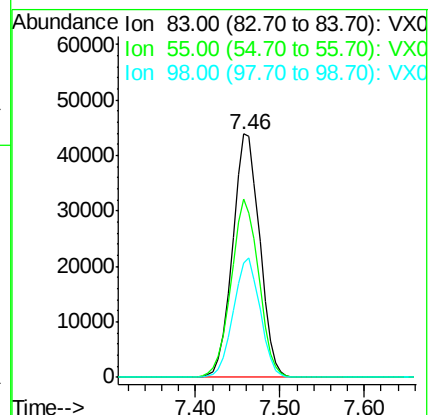
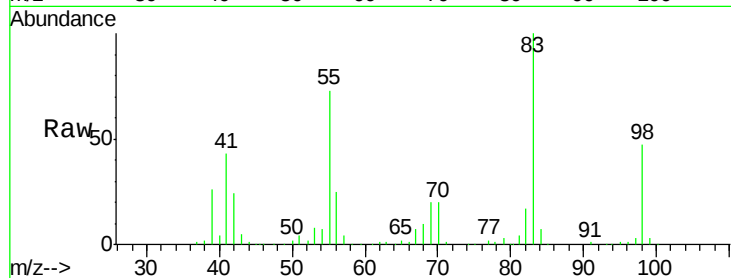
Tot Ion: 83 Resp: 95506

Ion Ratio Lower Upper

83 100

55 72.9 56.1 84.1

98 47.1 39.0 58.4



#40

Benzene

Concen: 1706.759 ug/l

RT: 6.15 min Scan# 820

Delta R.T. 0.02 min

Lab File: VX011521.D

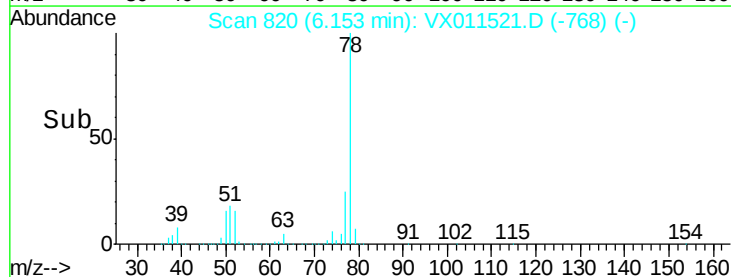
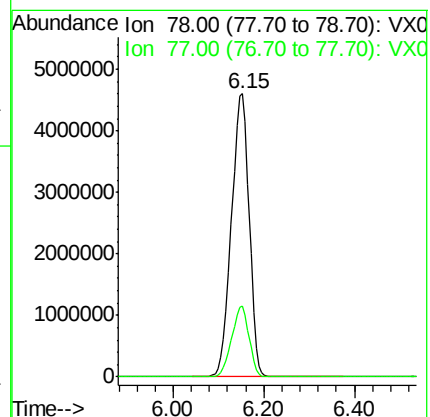
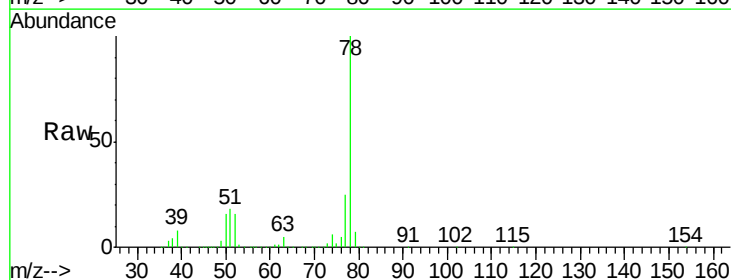
Acq: 13 Aug 2019 06:41

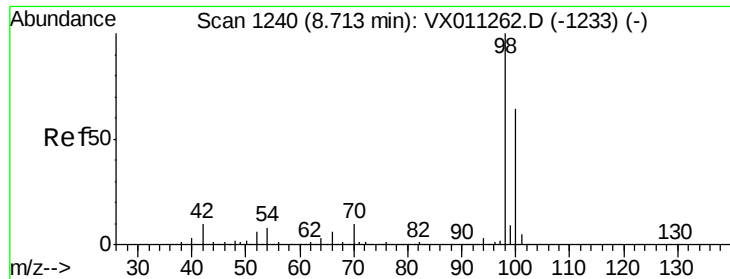
Tgt Ion: 78 Resp: 12487374

Ion Ratio Lower Upper

78 100

77 24.9 18.2 27.2

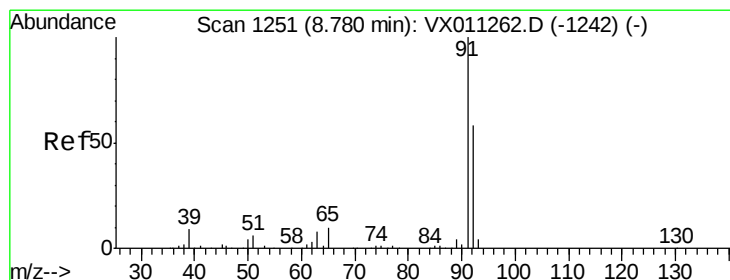
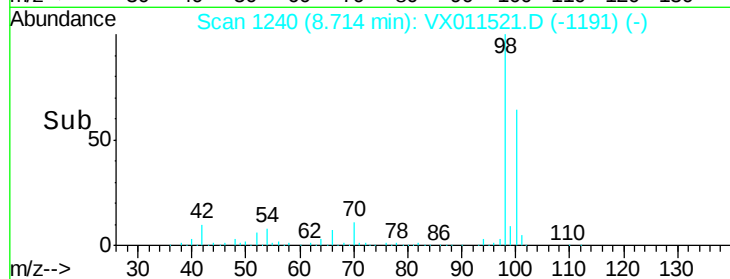
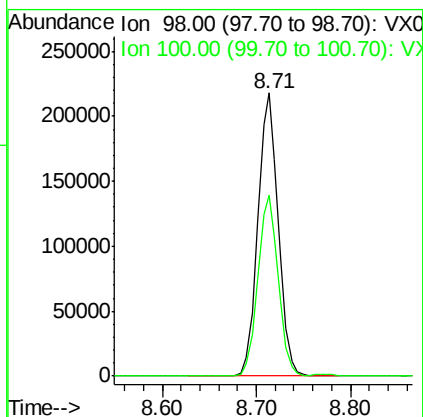
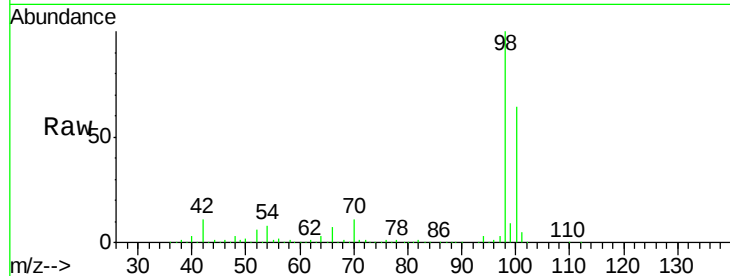




#50
Toluene-d8
Concen: 48.046 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

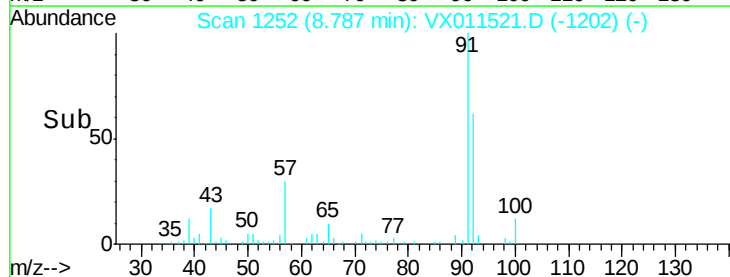
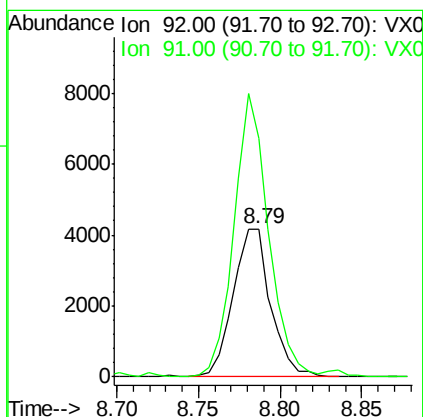
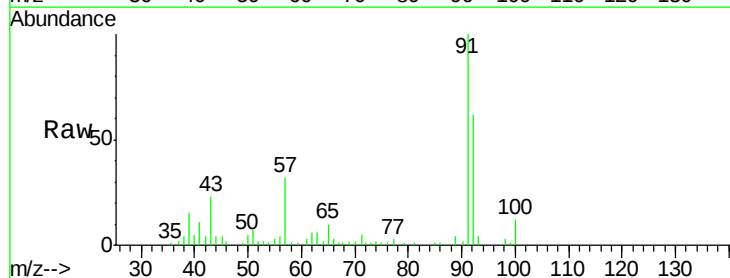
Instrument :
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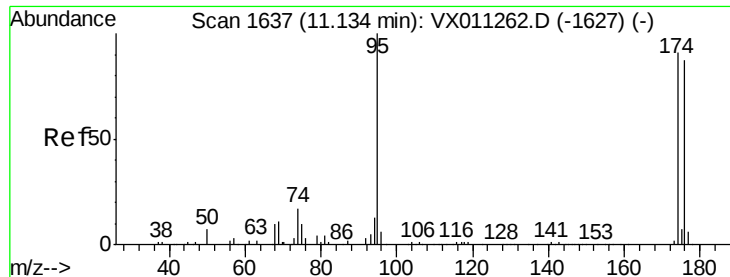
Tot Ion: 98 Resp: 332506
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



#52
Toluene
Concen: 1.385 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

Tgt Ion: 92 Resp: 6699
Ion Ratio Lower Upper
92 100
91 175.4 139.4 209.0

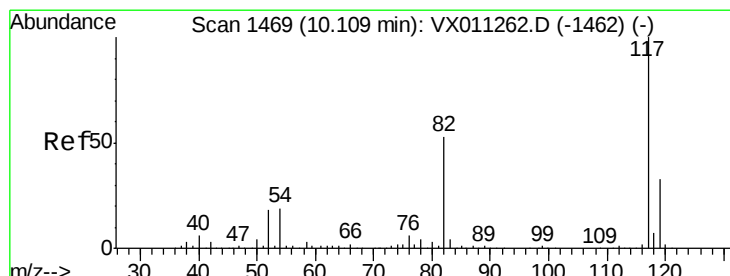
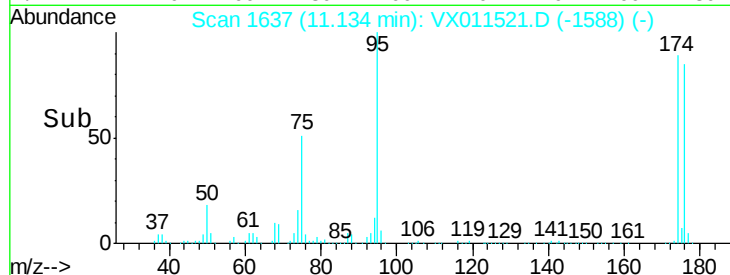
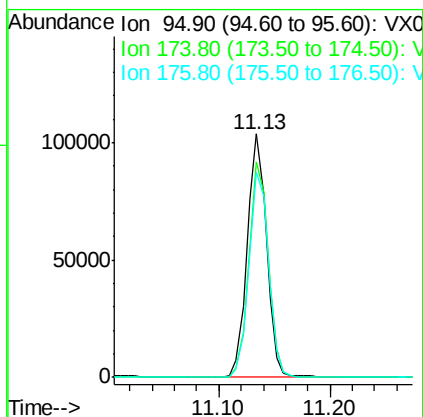
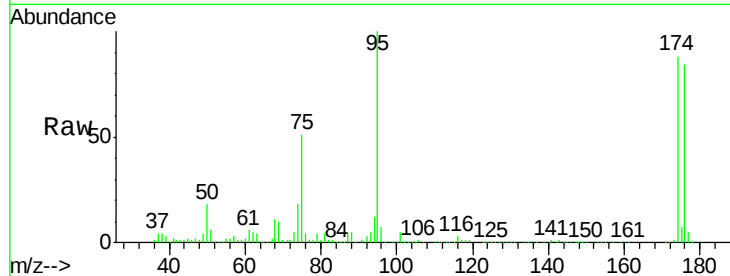




#62
4-Bromofluorobenzene
Concen: 50.875 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

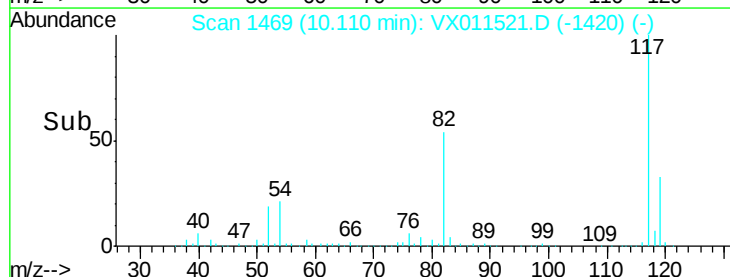
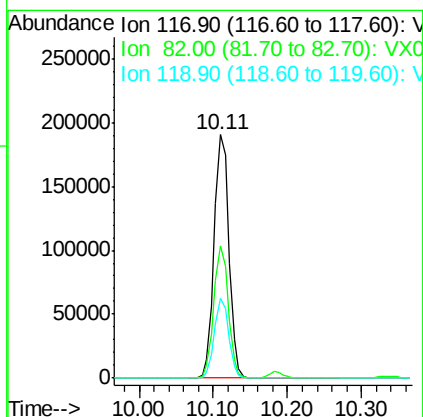
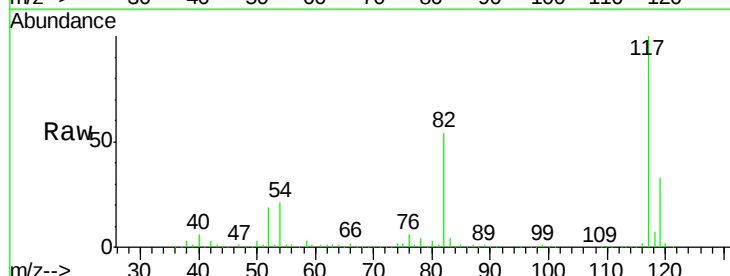
Instrument :
MSVOA_X
ClientSampled :
Z3-0670

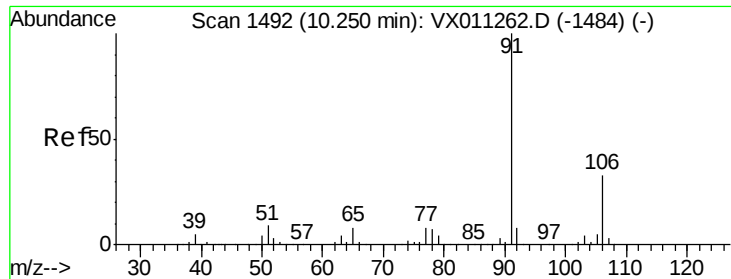
Tot Ion: 95 Resp: 125704
Ion Ratio Lower Upper
95 100
174 88.4 0.0 191.2
176 85.4 0.0 184.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

Tgt Ion: 117 Resp: 259346
Ion Ratio Lower Upper
117 100
82 54.2 42.2 63.2
119 32.7 26.6 39.8





#67

Ethyl Benzene

Concen: 439.525 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

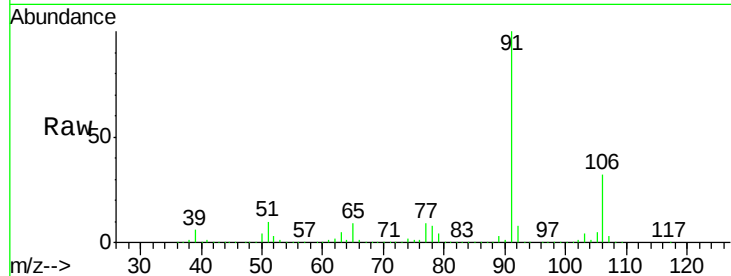
Z3-0670

Tot Ion: 91 Resp: 4093204

Ion Ratio Lower Upper

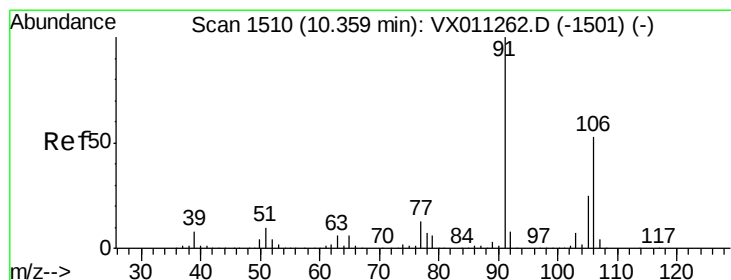
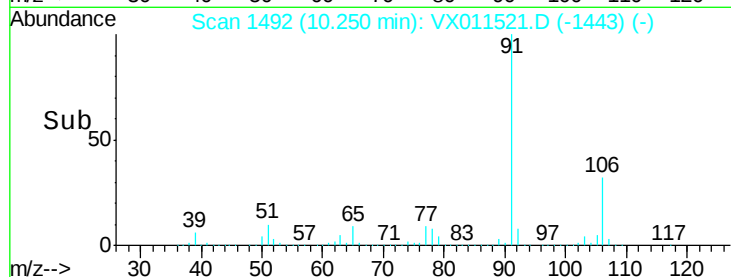
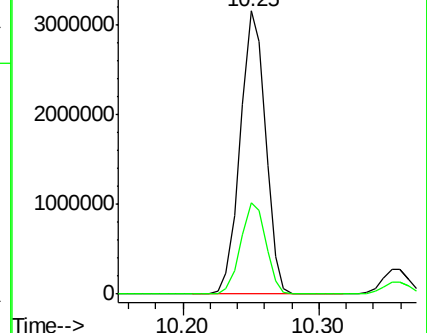
91 100

106 32.5 26.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VX011262.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX011262.D (-1484) (-)



#68

m/p-Xylenes

Concen: 53.003 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX011521.D

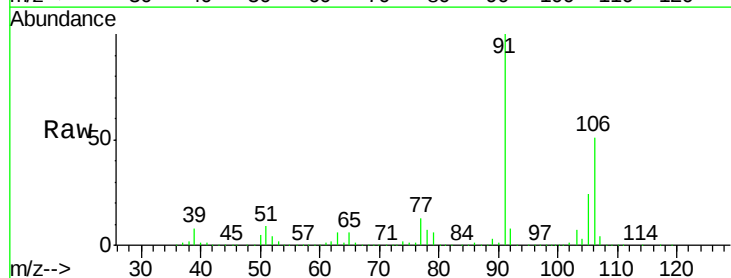
Acq: 13 Aug 2019 06:41

Tgt Ion: 106 Resp: 190925

Ion Ratio Lower Upper

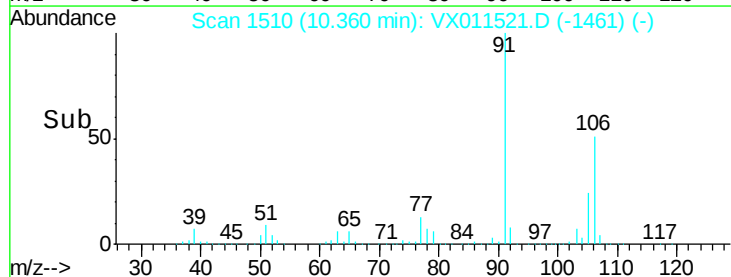
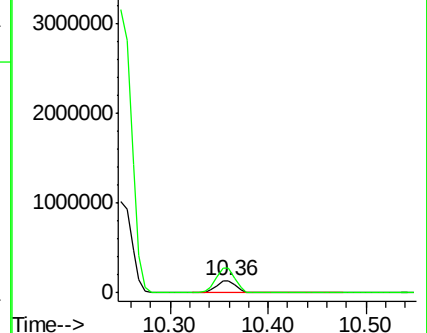
106 100

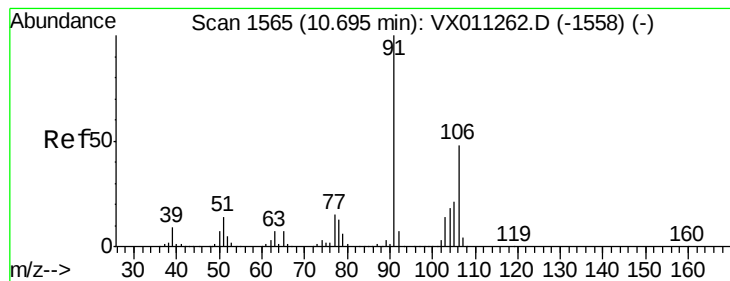
91 199.1 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): VX011262.D (-1501) (-)

Ion 91.00 (90.70 to 91.70): VX011262.D (-1501) (-)





#69

o-Xylene

Concen: 6.388 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampled :

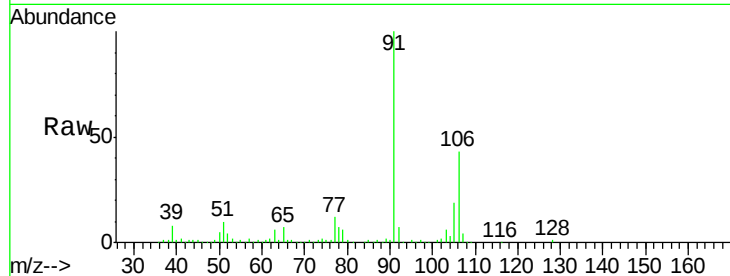
Z3-0670

Tot Ion:106 Resp: 22608

Ion Ratio Lower Upper

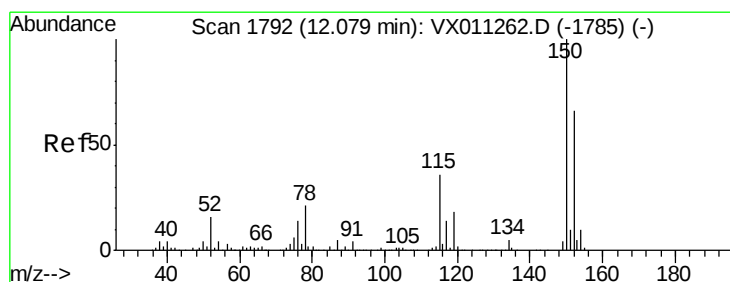
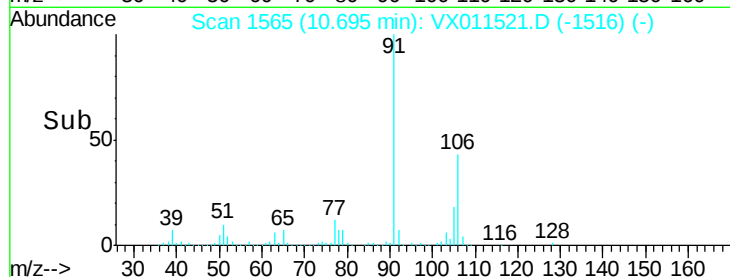
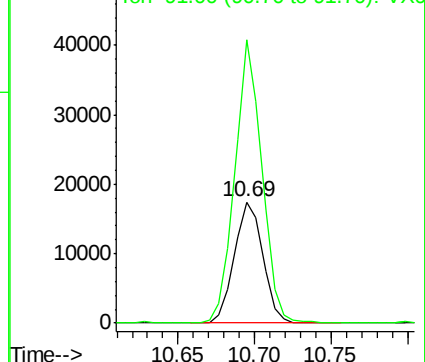
106 100

91 219.3 103.8 311.3



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: VX011521.D

Acq: 13 Aug 2019 06:41

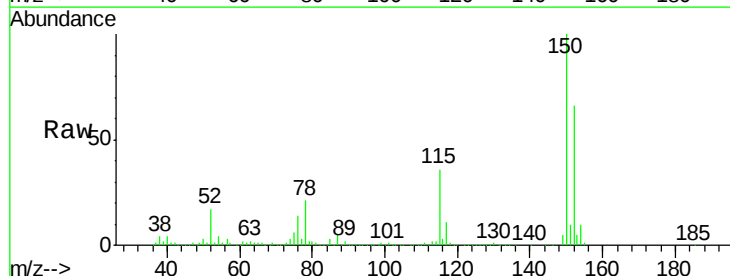
Tgt Ion:152 Resp: 137745

Ion Ratio Lower Upper

152 100

115 61.4 40.0 119.9

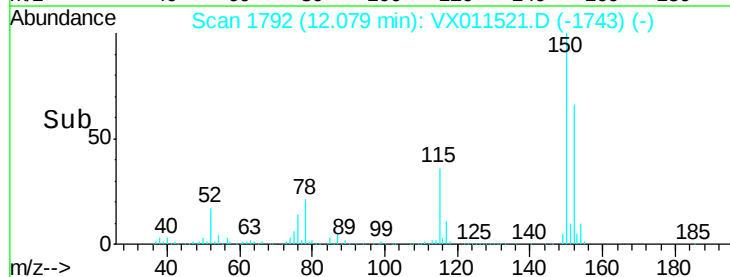
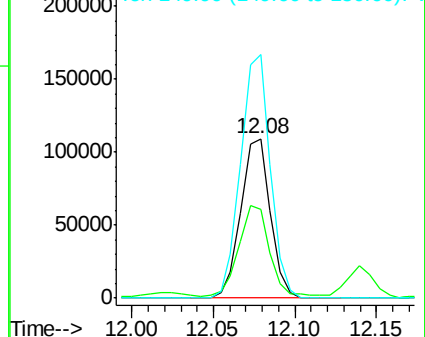
150 154.2 0.0 350.4

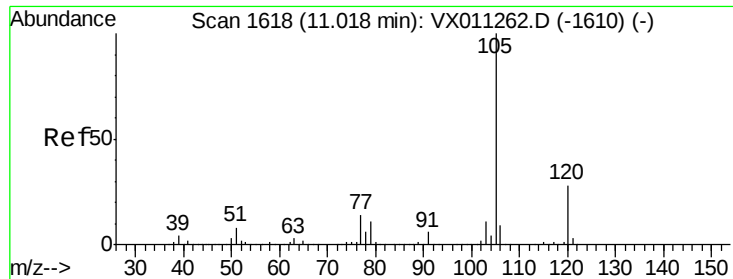


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.685 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

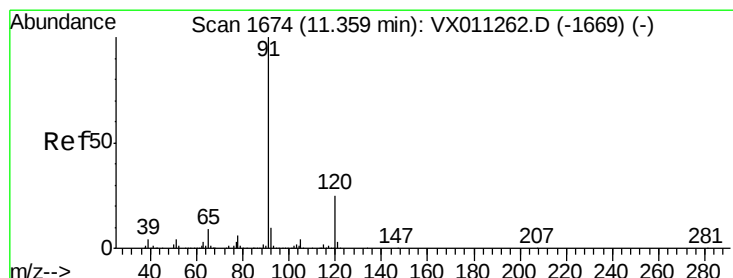
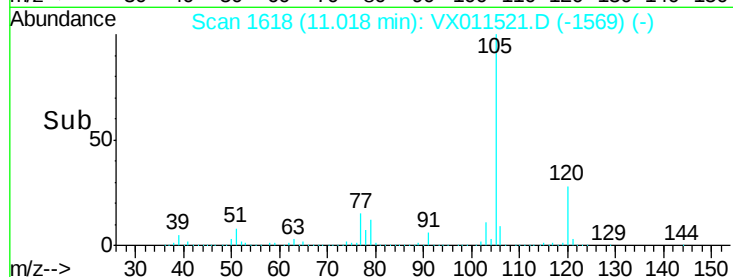
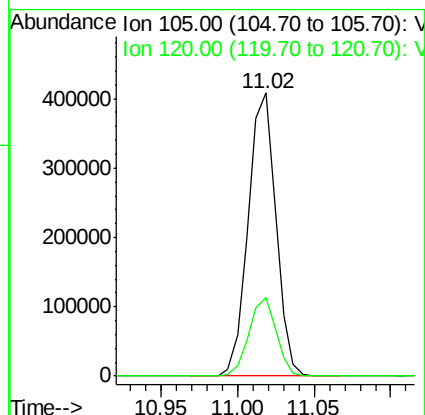
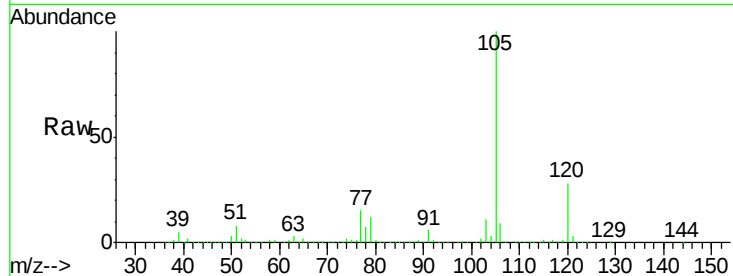
Z3-0670

Tot Ion:105 Resp: 515171

Ion Ratio Lower Upper

105 100

120 27.4 13.7 41.1



#78

n-propylbenzene

Concen: 64.647 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011521.D

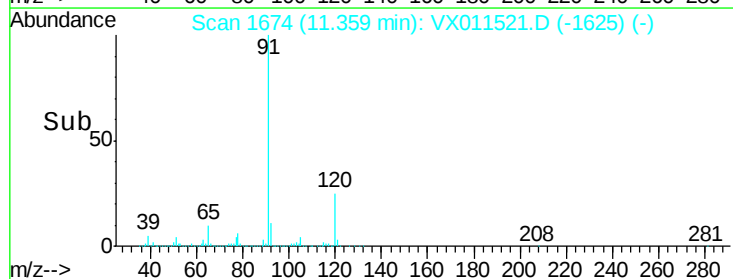
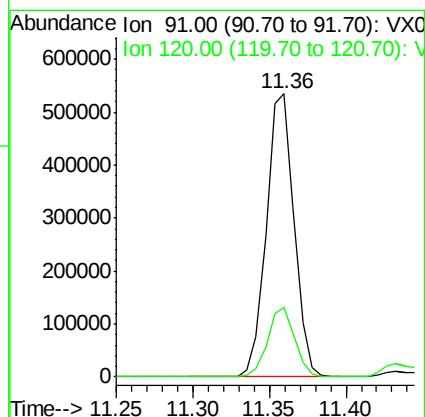
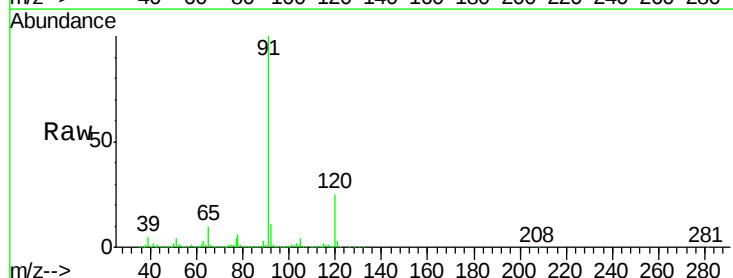
Acq: 13 Aug 2019 06:41

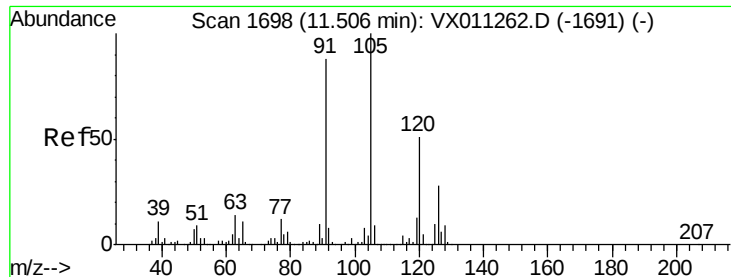
Tgt Ion: 91 Resp: 677278

Ion Ratio Lower Upper

91 100

120 23.9 12.4 37.0





#80

1,3,5-Trimethylbenzene

Concen: 32.790 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

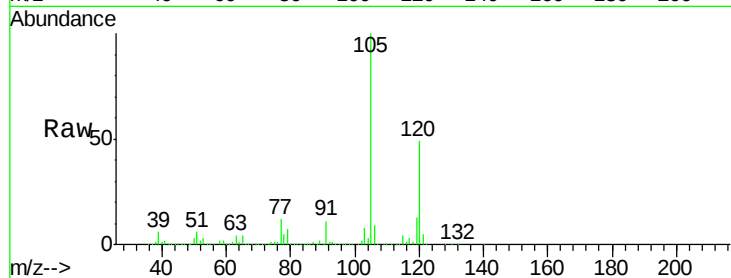
Z3-0670

Tot Ion:105 Resp: 258592

Ion Ratio Lower Upper

105 100

120 48.3 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

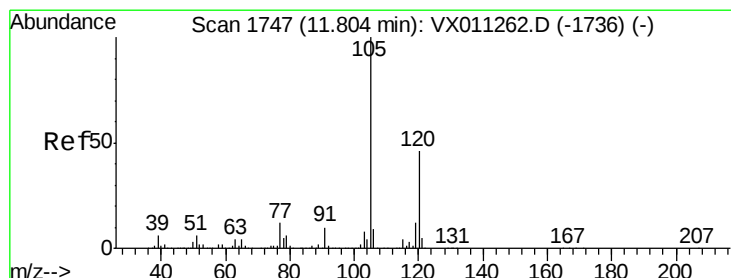
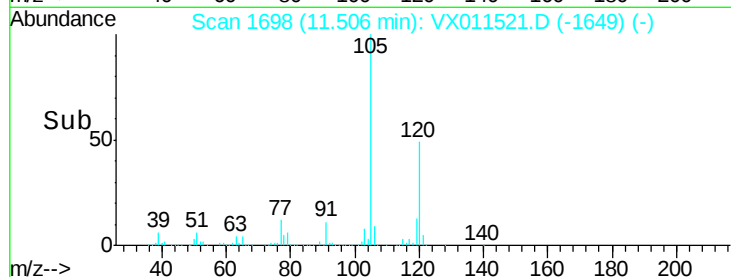
100000

50000

0

11.45 11.50 11.55

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 17.035 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011521.D

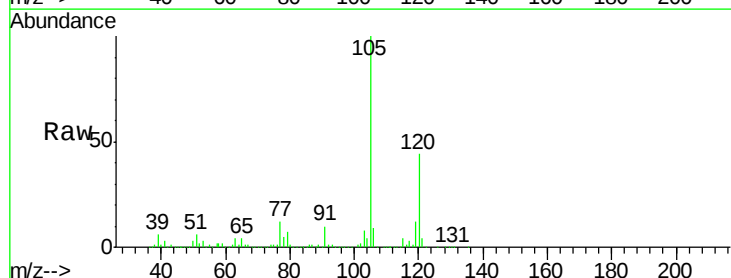
Acq: 13 Aug 2019 06:41

Tgt Ion:105 Resp: 133753

Ion Ratio Lower Upper

105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

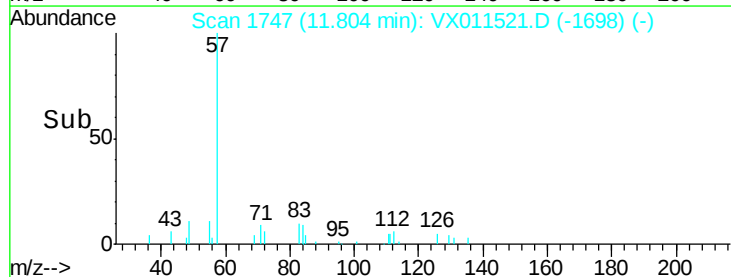
100000

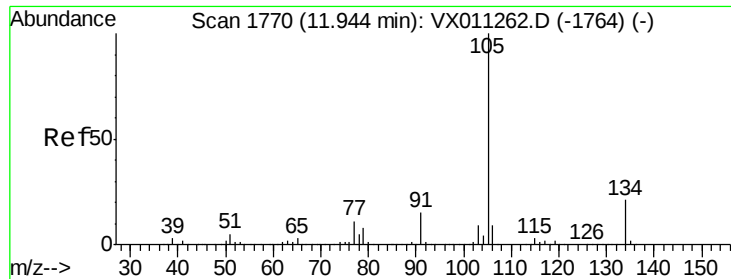
50000

0

11.70 11.80

Time-->





#85

sec-Butylbenzene

Concen: 9.198 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

Instrument :

MSVOA_X

ClientSampleId :

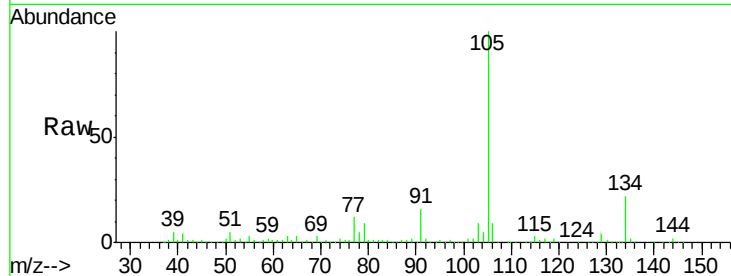
Z3-0670

Tot Ion:105 Resp: 85475

Ion Ratio Lower Upper

105 100

134 27.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

80000

60000

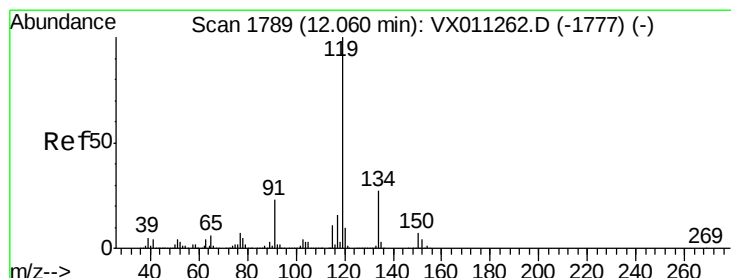
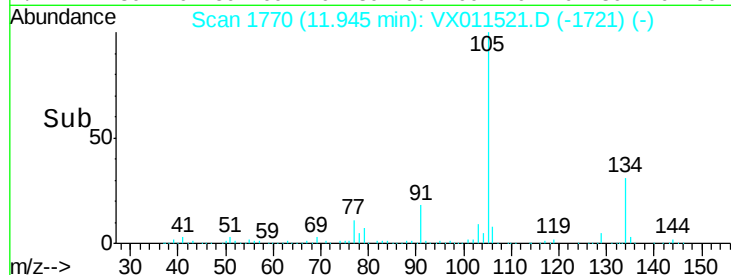
40000

20000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 1.010 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011521.D

Acq: 13 Aug 2019 06:41

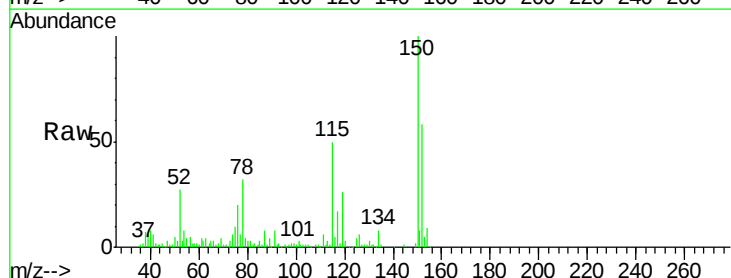
Tgt Ion:119 Resp: 8634

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 33.3 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

50000

40000

30000

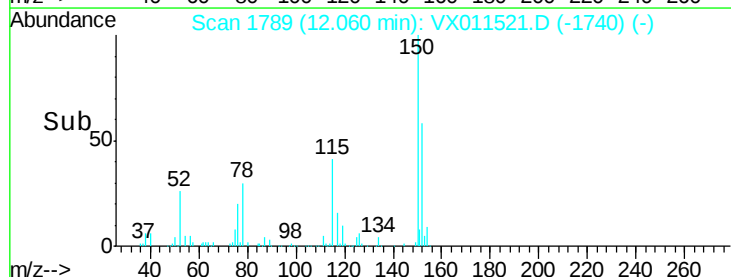
20000

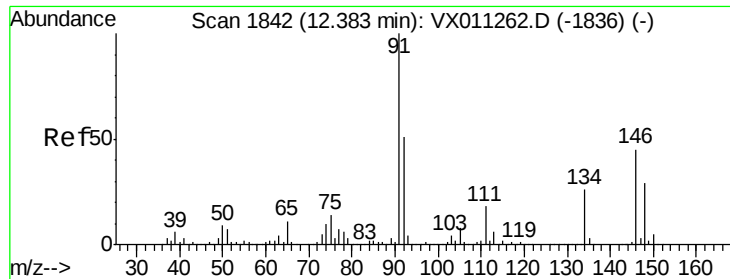
10000

0

12.05 12.06 12.10

Time-->

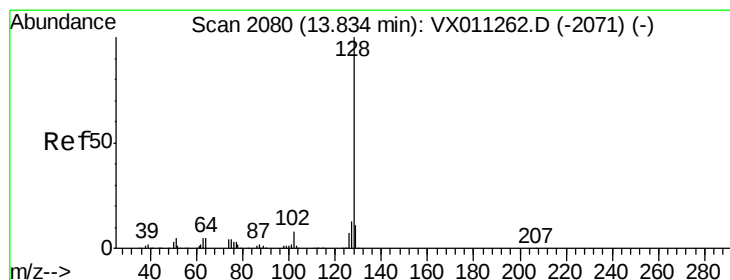
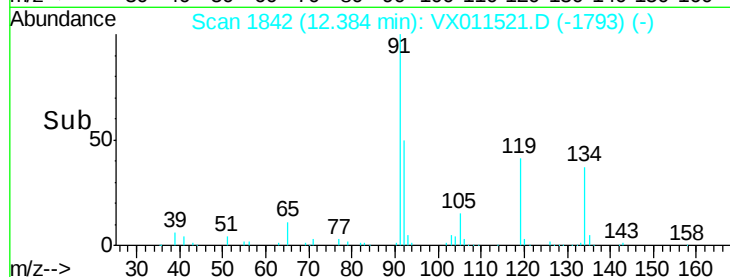
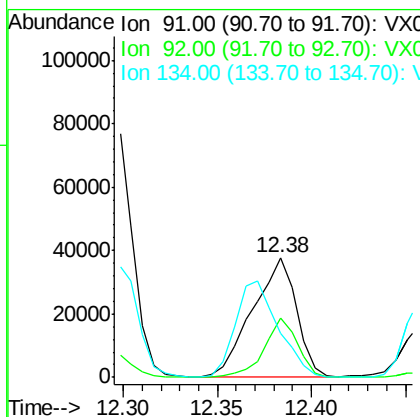
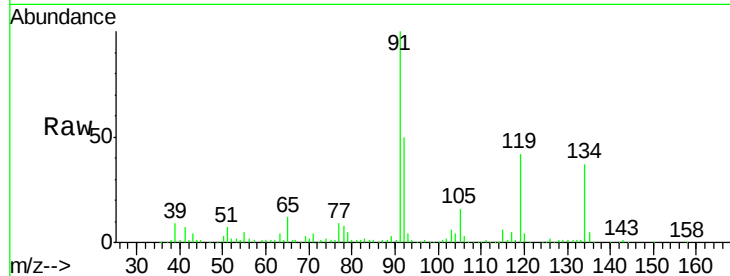




#89
n-Butylbenzene
Concen: 8.207 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

Instrument :
MSVOA_X
ClientSampleId :
Z3-0670

Tot Ion: 91 Resp: 60447
Ion Ratio Lower Upper
91 100
92 38.3 25.8 77.3
134 78.5 13.7 41.0#



#95
Naphthalene
Concen: 113.714 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011521.D
Acq: 13 Aug 2019 06:41

Tgt Ion:128 Resp: 1022800
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.9 13.3

