

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX050818\
 Data File : VX001517.D
 Acq On : 08 May 2018 16:40
 Operator : JC/MD
 Sample : J2787-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 V23608-VB102

Quant Time: May 09 07:16:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
 Quant Title : SW846 8260
 QLast Update : Sun May 06 07:59:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	242363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	293982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	168900	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	161172	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.51	113	127929	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
50) Toluene-d8	8.72	98	452934	42.78	ug/l	0.00
Spiked Amount			Recovery	=	85.56%	
62) 4-Bromofluorobenzene	11.14	95	156208	38.43	ug/l	0.00
Spiked Amount			Recovery	=	76.86%	

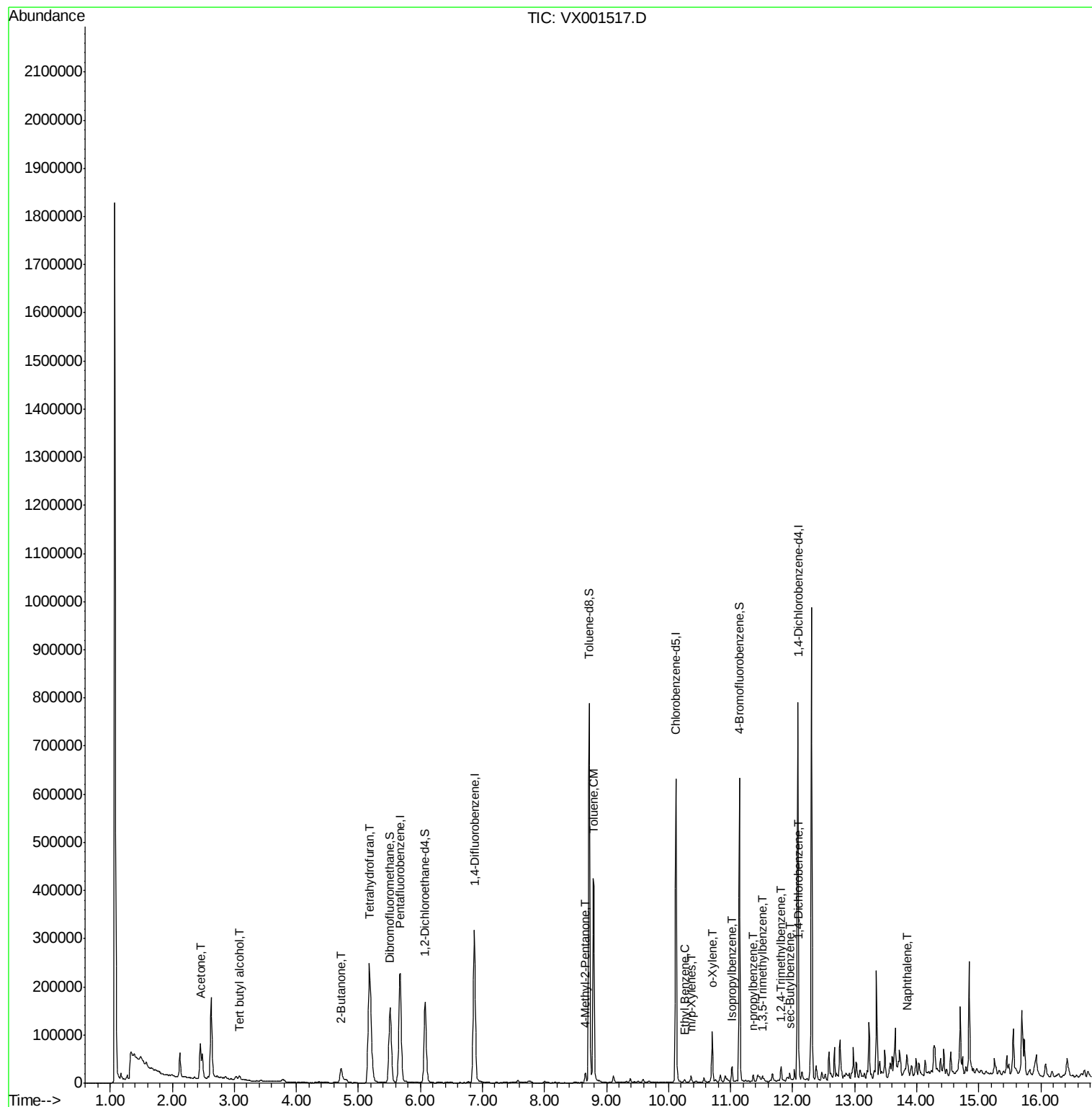
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	8789	11.97	ug/l	96
16) Acetone	2.45	43	78308	49.51	ug/l	99
25) 2-Butanone	4.72	43	54621	23.89	ug/l	96
29) Tetrahydrofuran	5.18	42	214069	146.33	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	11438	2.47	ug/l	98
52) Toluene	8.79	92	161076	20.33	ug/l	98
67) Ethyl Benzene	10.26	91	3818	0.27	ug/l	97
68) m/p-Xylenes	10.36	106	2908	0.52	ug/l	96
69) o-Xylene	10.70	106	22602	4.16	ug/l	96
73) Isopropylbenzene	11.02	105	15580	1.33	ug/l	98
78) n-propylbenzene	11.37	91	7368	0.58	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	3634	0.37	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	11273	1.13	ug/l	98
85) sec-Butylbenzene	11.95	105	3518	0.30	ug/l	79
88) 1,4-Dichlorobenzene	12.10	146	7709	1.24	ug/l #	73
95) Naphthalene	13.84	128	26655	2.13	ug/l #	92

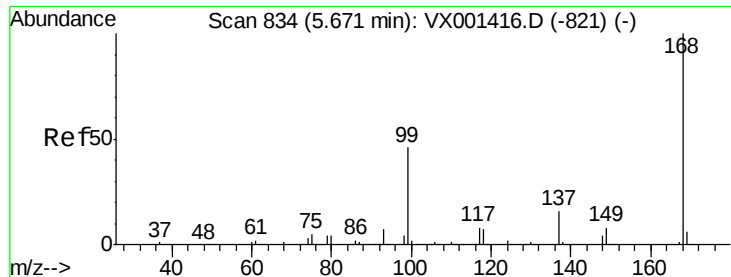
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

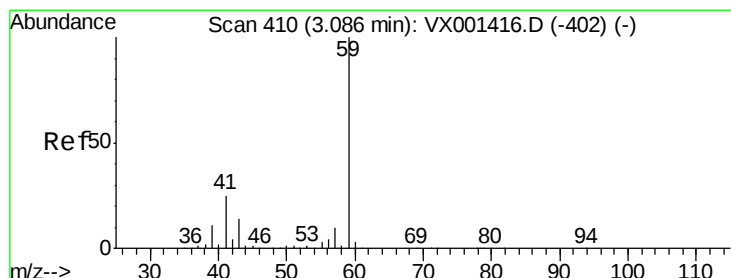
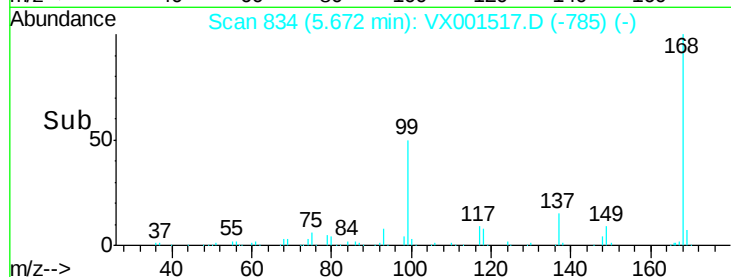
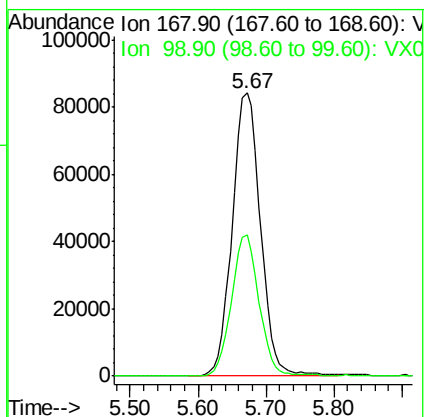
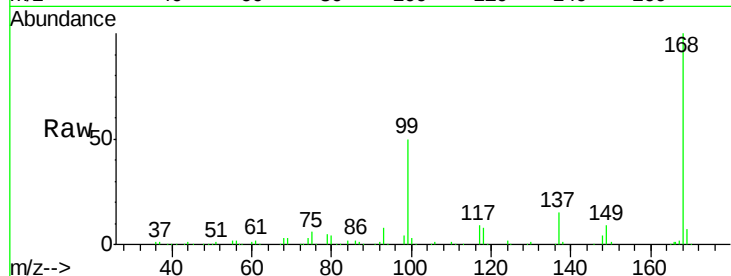
Instrument :
MSVOA_X
ClientSampleId :
V23608-VB102

Tot Ion:168 Resp: 242363

Ion Ratio Lower Upper

168 100

99 50.0 36.6 54.8



#11

Tert butyl alcohol

Concen: 11.97 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.01 min

Lab File: VX001517.D

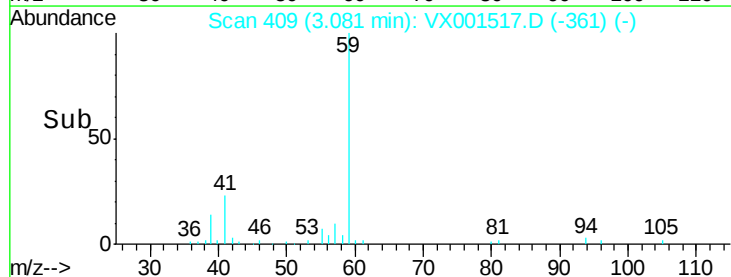
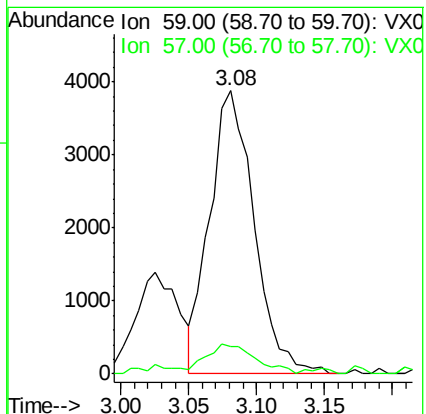
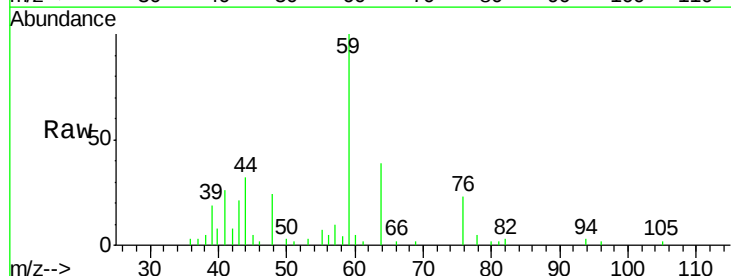
Acq: 08 May 2018 16:40

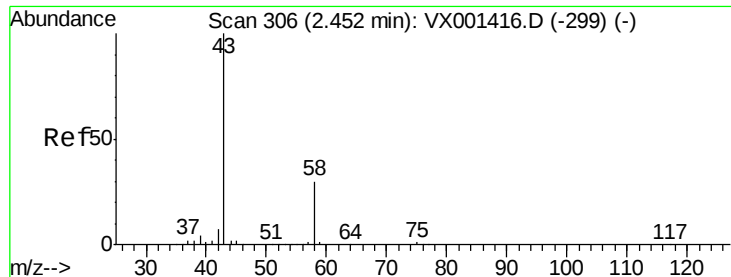
Tgt Ion: 59 Resp: 8789

Ion Ratio Lower Upper

59 100

57 11.9 8.2 12.4





#16

Acetone

Concen: 49.51 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

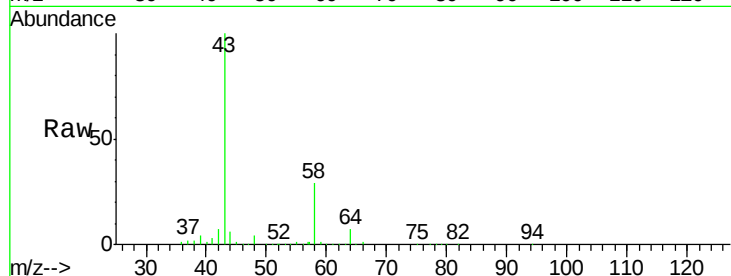
V23608-VB102

Tot Ion: 43 Resp: 78308

Ion Ratio Lower Upper

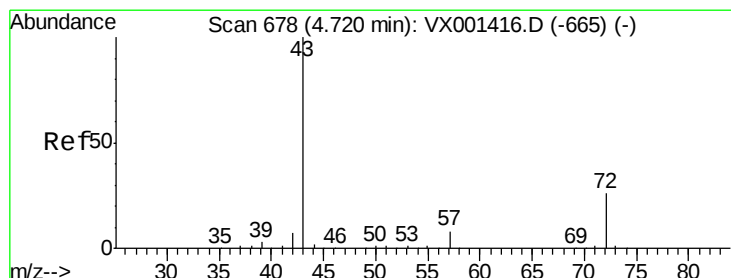
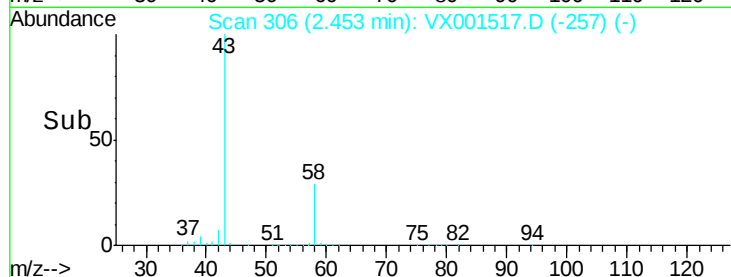
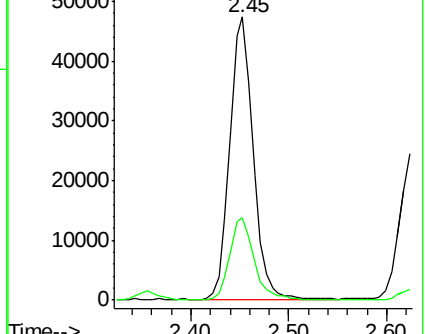
43 100

58 29.0 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#25

2-Butanone

Concen: 23.89 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.00 min

Lab File: VX001517.D

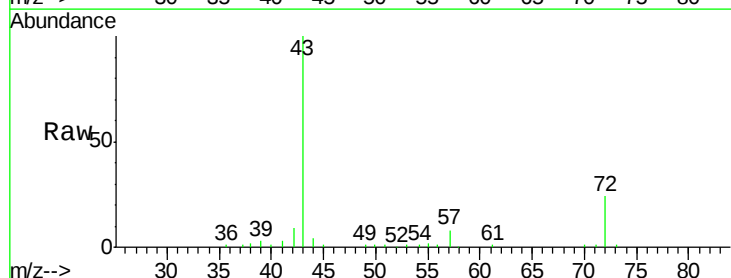
Acq: 08 May 2018 16:40

Tgt Ion: 43 Resp: 54621

Ion Ratio Lower Upper

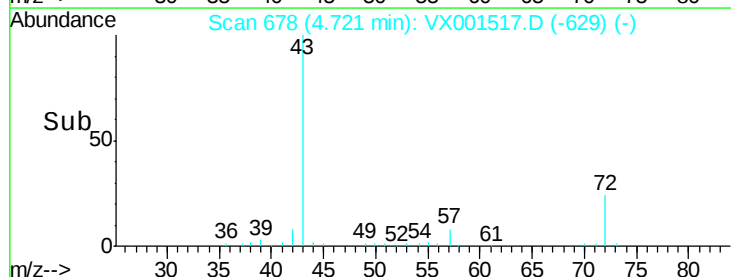
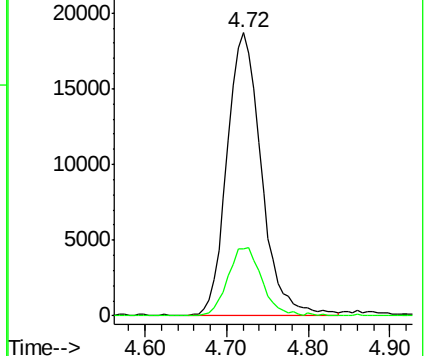
43 100

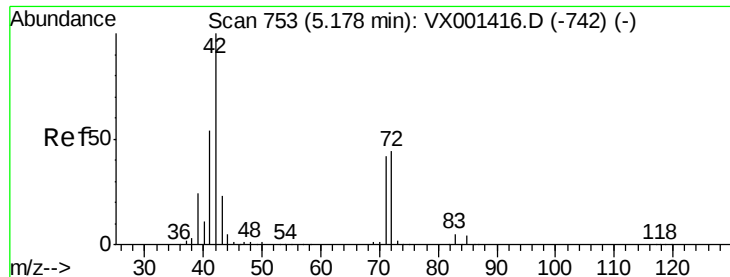
72 23.8 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

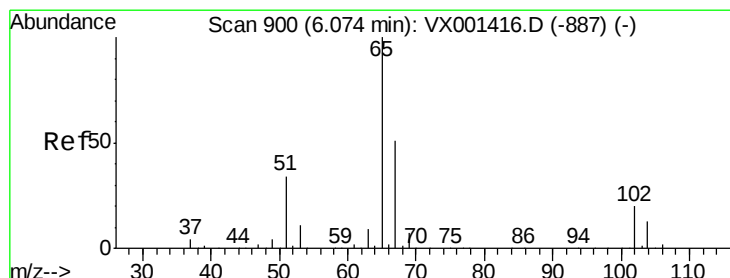
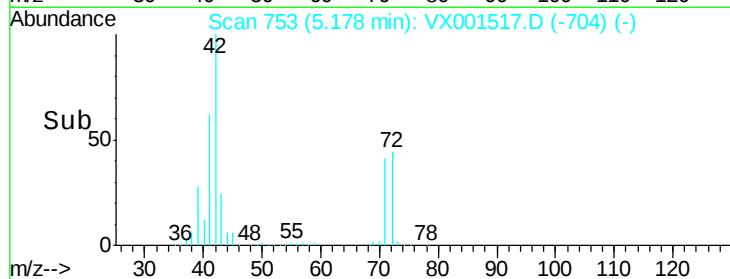
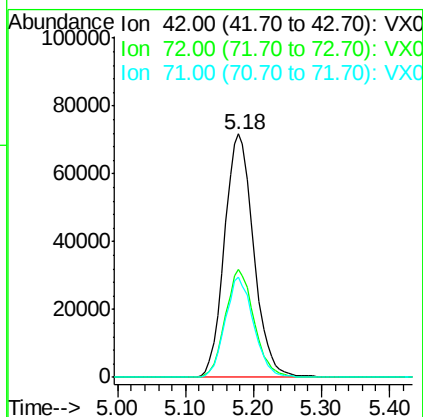
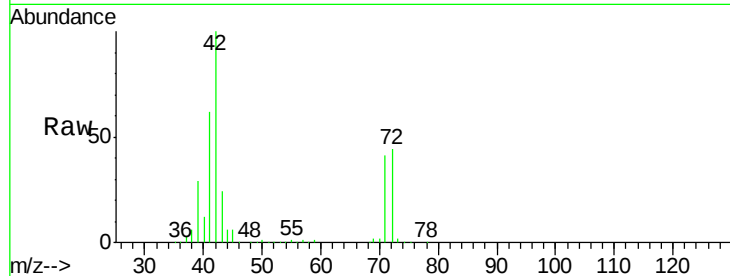




#29
Tetrahydrofuran
Concen: 146.33 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.00 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

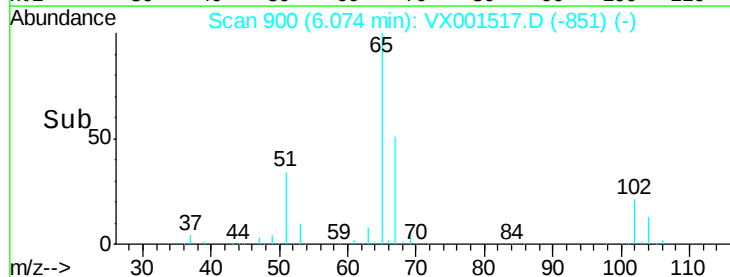
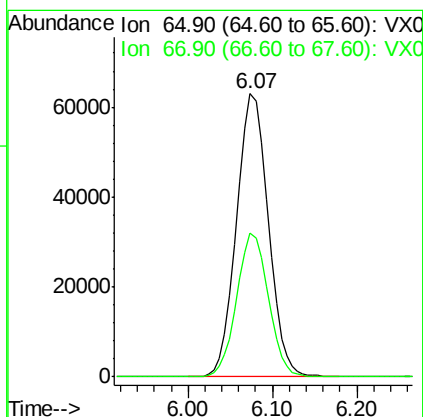
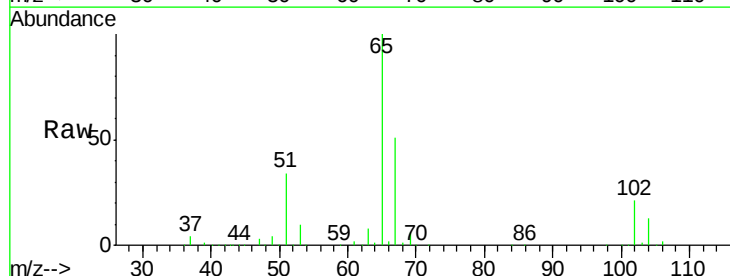
Instrument :
MSVOA_X
ClientSampleId :
V23608-VB102

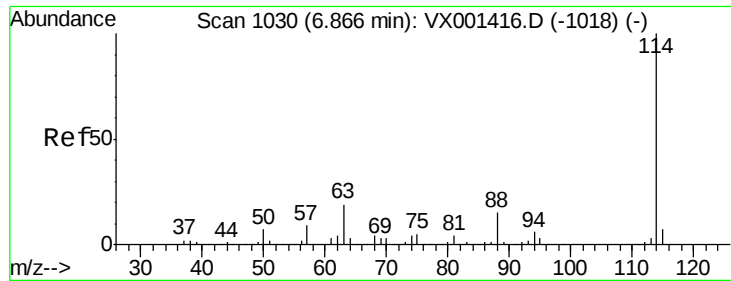
Tot Ion: 42 Resp: 214069
Ion Ratio Lower Upper
42 100
72 43.7 35.4 53.2
71 40.0 33.0 49.4



#33
1,2-Dichloroethane-d4
Concen: 46.27 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

Tgt Ion: 65 Resp: 161172
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

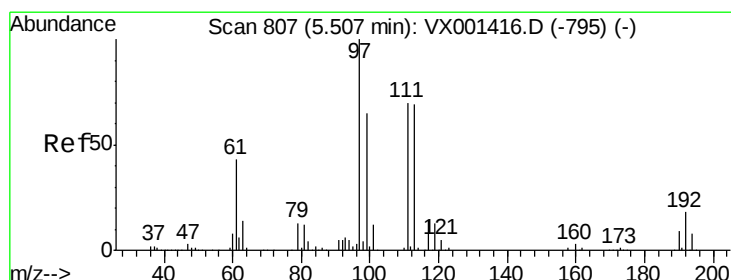
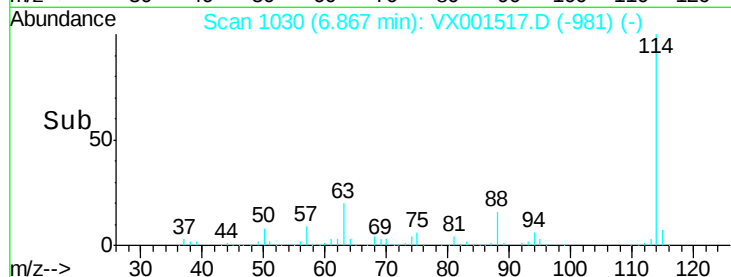
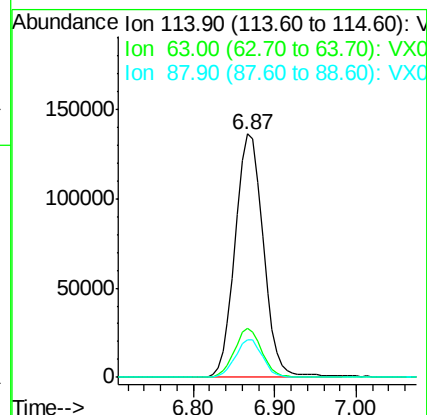
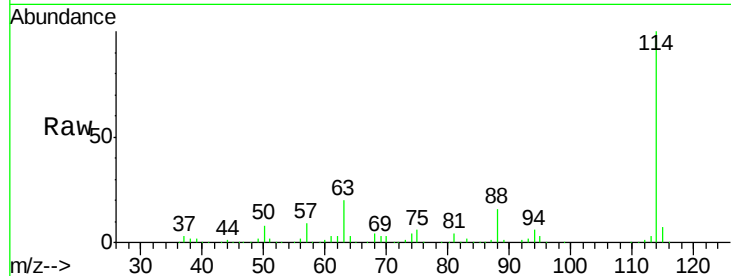




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001517.D
 Acq: 08 May 2018 16:40

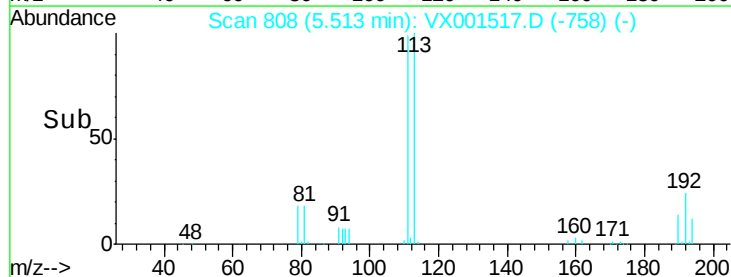
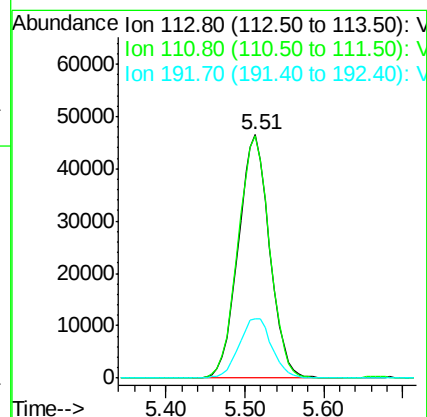
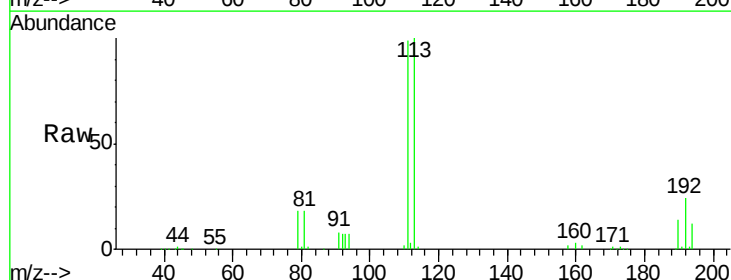
Instrument :
 MSVOA_X
 ClientSampleId :
 V23608-VB102

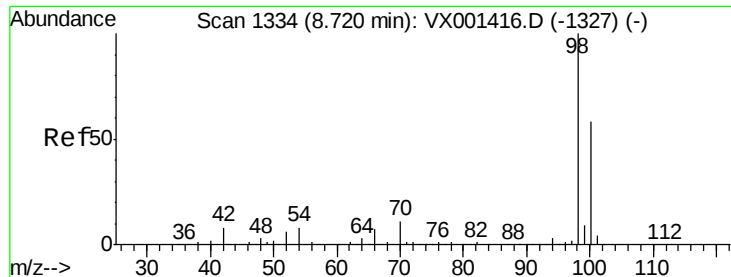
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.6
88	15.6	0.0	30.8



#35
 Dibromofluoromethane
 Concen: 44.10 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001517.D
 Acq: 08 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.2	123.2
192	25.7	21.4	32.0

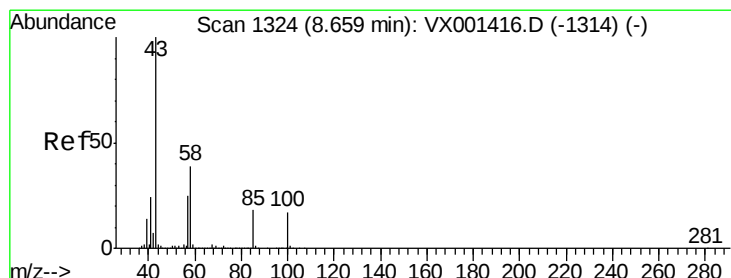
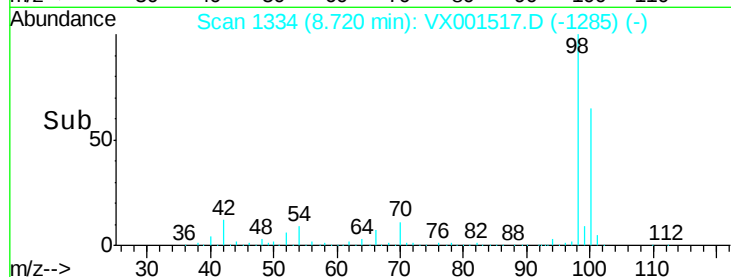
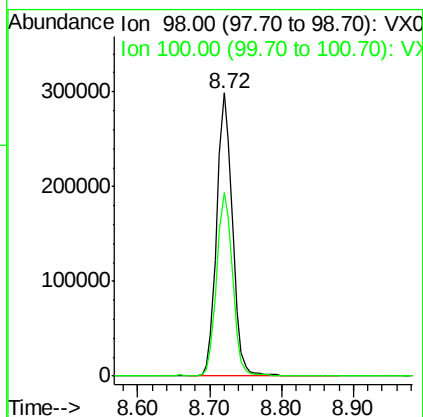
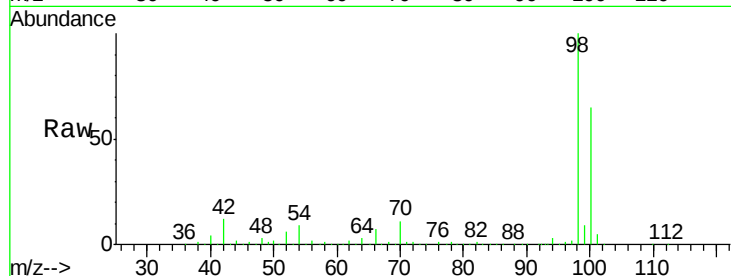




#50
Toluene-d8
Concen: 42.78 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

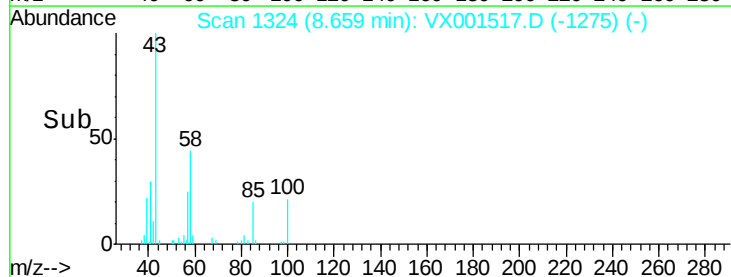
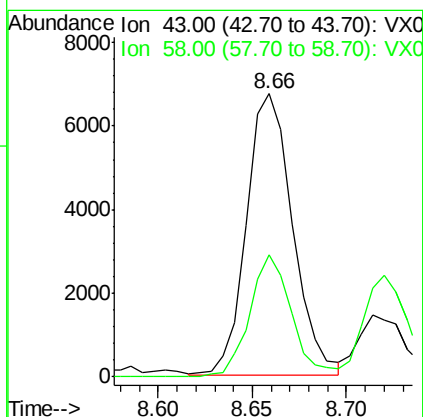
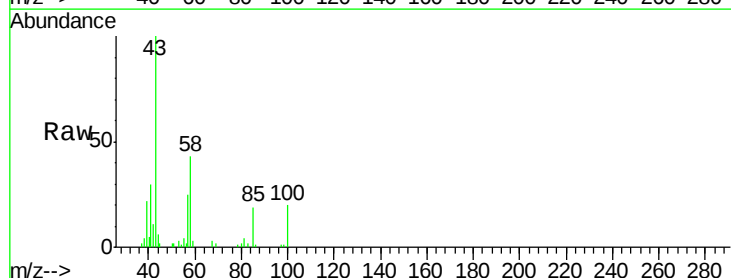
Instrument :
MSVOA_X
ClientSampleId :
V23608-VB102

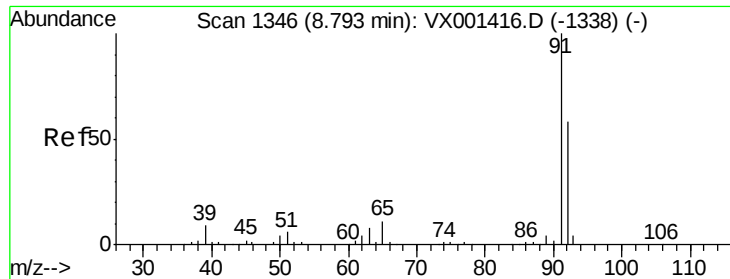
Tot Ion: 98 Resp: 452934
Ion Ratio Lower Upper
98 100
100 65.4 54.0 81.0



#51
4-Methyl-2-Pentanone
Concen: 2.47 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

Tgt Ion: 43 Resp: 11438
Ion Ratio Lower Upper
43 100
58 39.5 30.8 46.2





#52

Toluene

Concen: 20.33 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

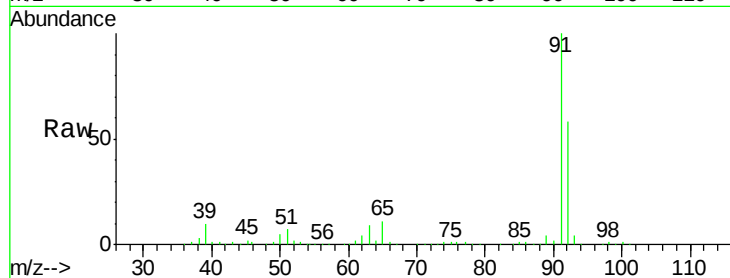
V23608-VB102

Tot Ion: 92 Resp: 161076

Ion Ratio Lower Upper

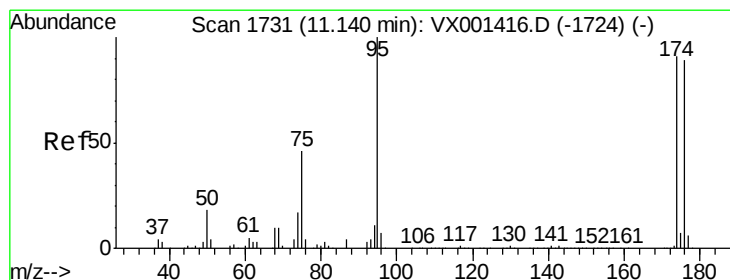
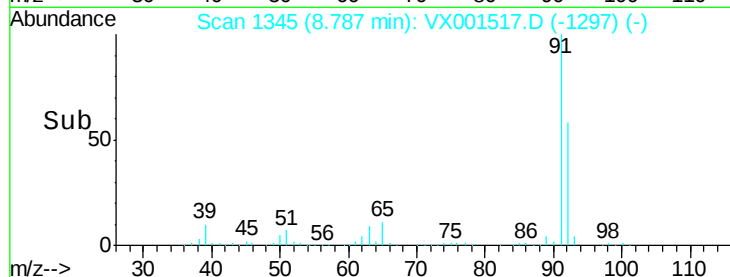
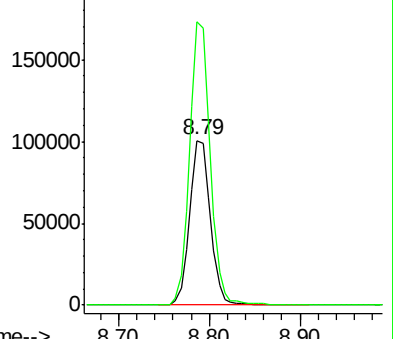
92 100

91 171.3 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 38.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

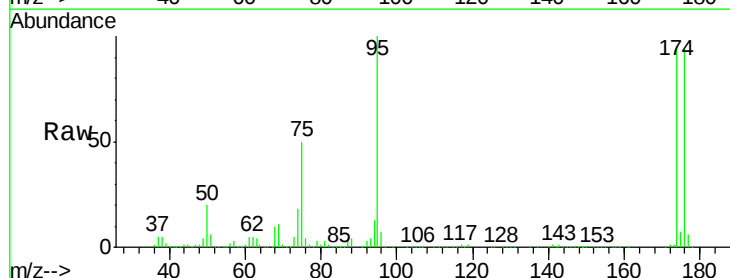
Tgt Ion: 95 Resp: 156208

Ion Ratio Lower Upper

95 100

174 99.8 0.0 202.0

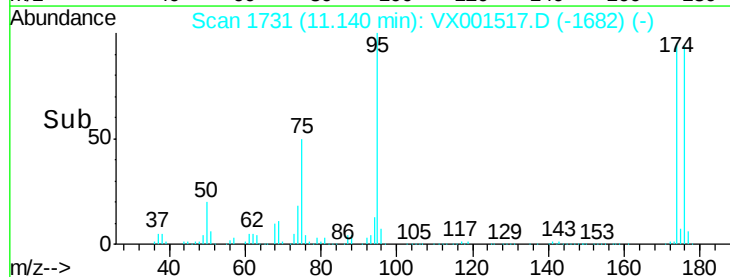
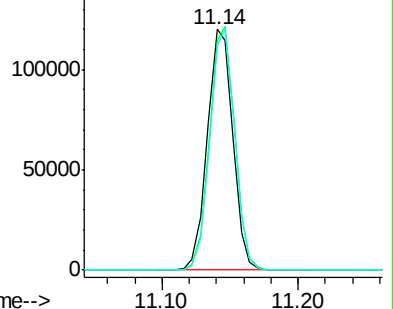
176 97.4 0.0 197.4

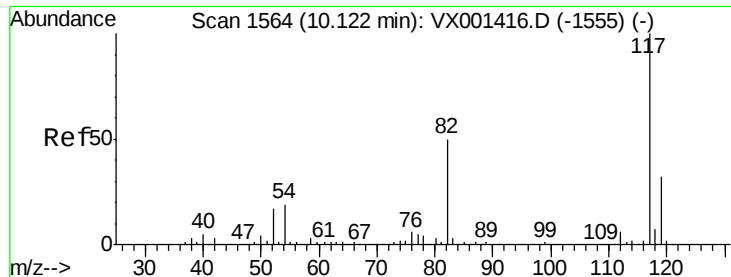


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

V23608-VB102

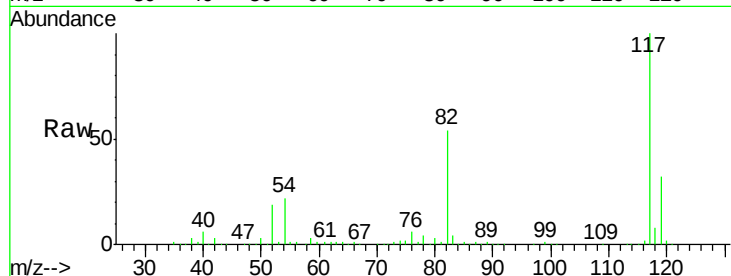
Tot Ion:117 Resp: 293982

Ion Ratio Lower Upper

117 100

82 54.5 40.0 60.0

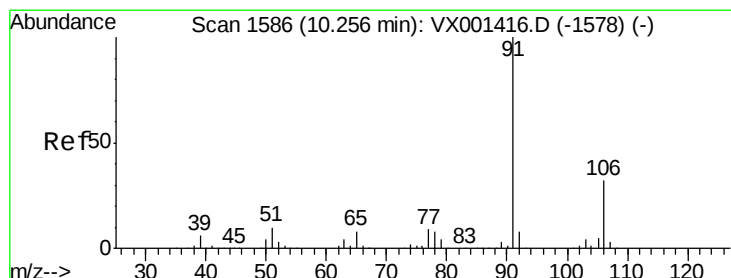
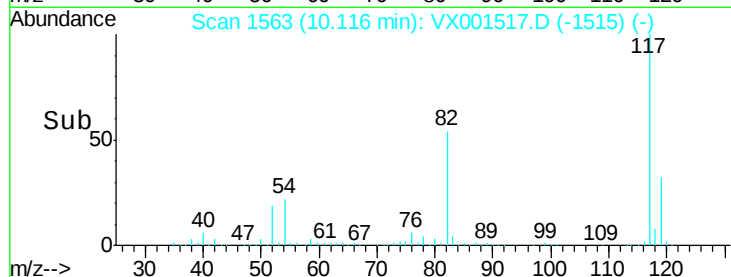
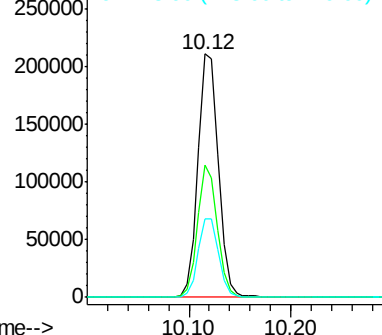
119 32.4 25.8 38.8



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: 0.27 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001517.D

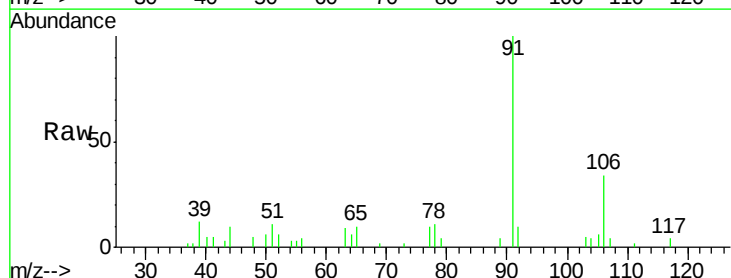
Acq: 08 May 2018 16:40

Tgt Ion: 91 Resp: 3818

Ion Ratio Lower Upper

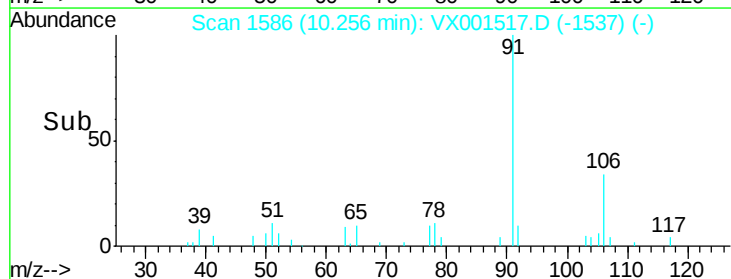
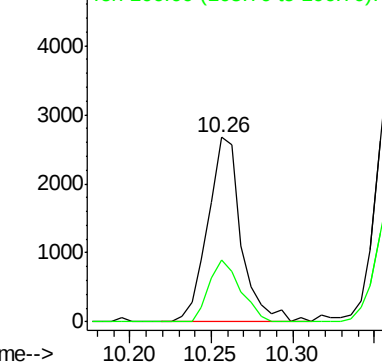
91 100

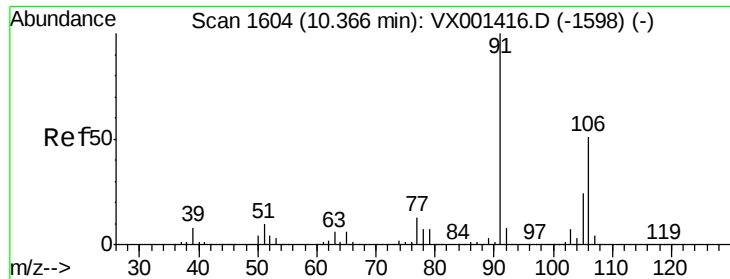
106 33.6 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

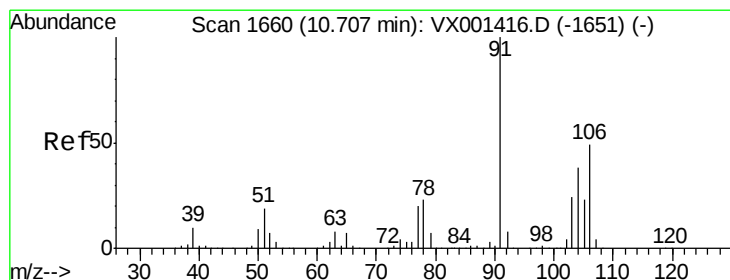
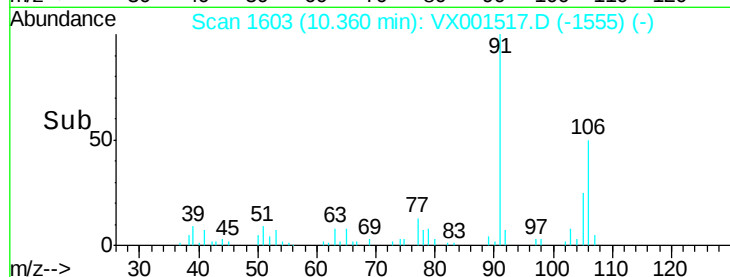
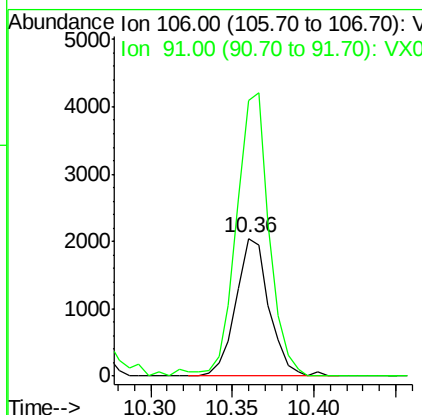
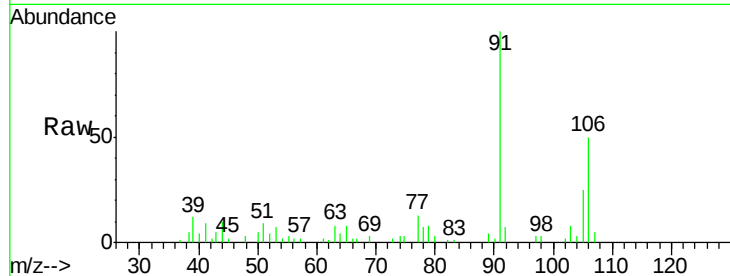




#68
m/p-Xylenes
Concen: 0.52 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

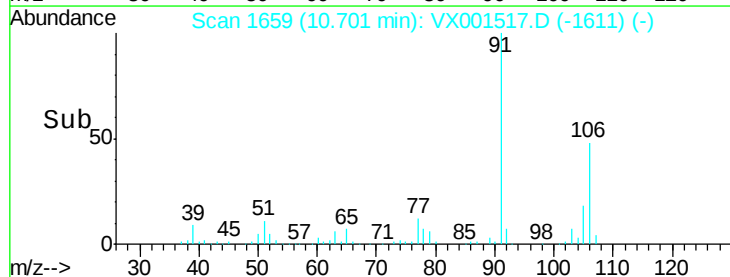
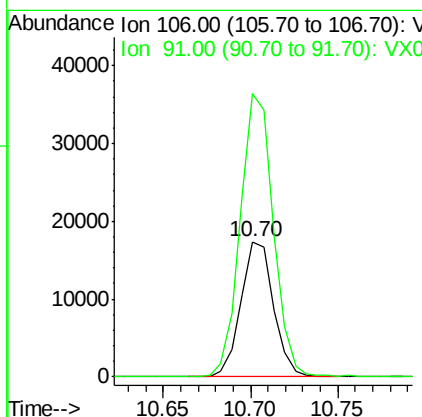
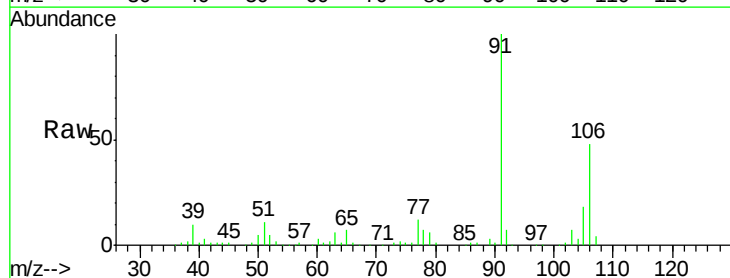
Instrument :
MSVOA_X
ClientSampleId :
V23608-VB102

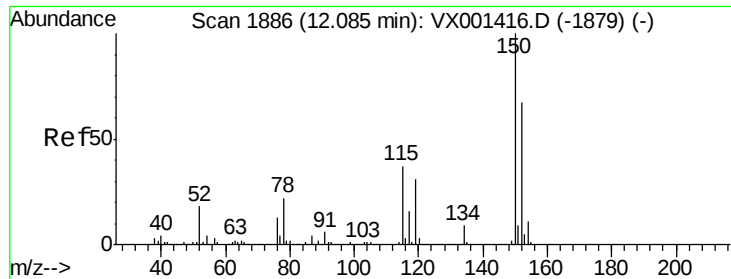
Tot Ion:106 Resp: 2908
Ion Ratio Lower Upper
106 100
91 203.4 157.5 236.3



#69
o-Xylene
Concen: 4.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.01 min
Lab File: VX001517.D
Acq: 08 May 2018 16:40

Tgt Ion:106 Resp: 22602
Ion Ratio Lower Upper
106 100
91 212.3 103.1 309.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

V23608-VB102

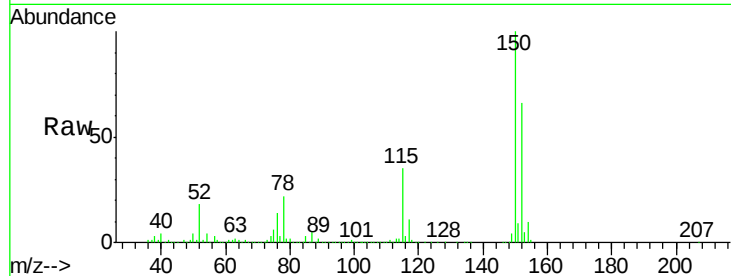
Tot Ion:152 Resp: 168900

Ion Ratio Lower Upper

152 100

115 53.9 37.7 113.1

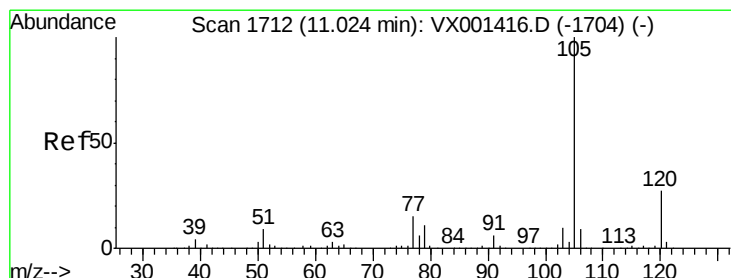
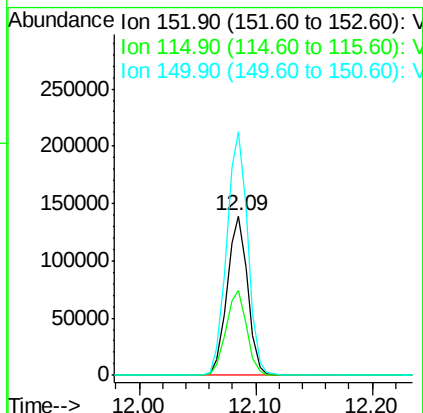
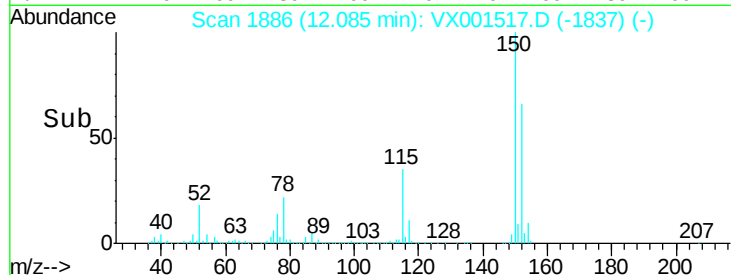
150 157.0 0.0 349.4



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: 1.33 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001517.D

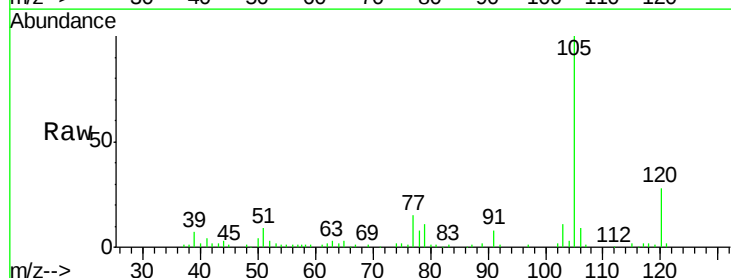
Acq: 08 May 2018 16:40

Tgt Ion:105 Resp: 15580

Ion Ratio Lower Upper

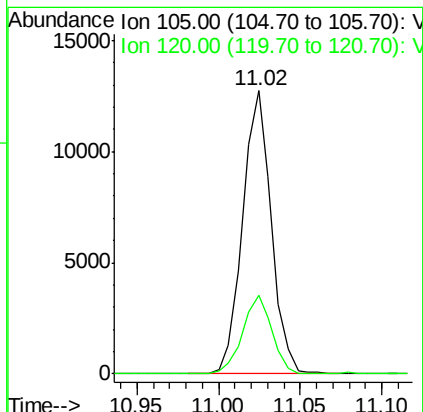
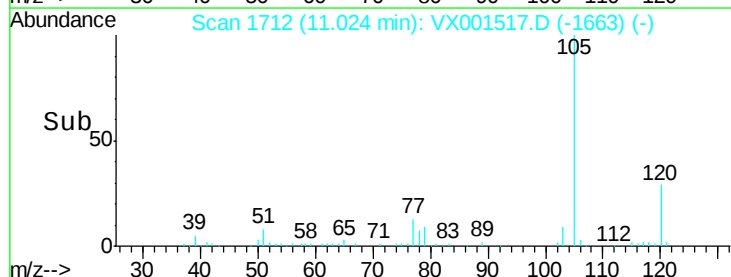
105 100

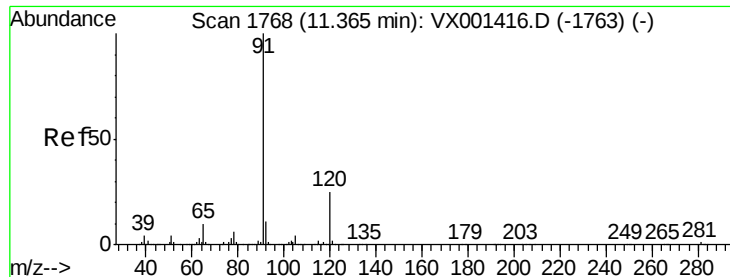
120 28.2 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.58 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

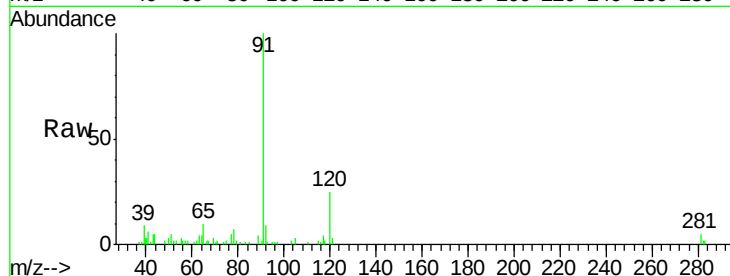
V23608-VB102

Tot Ion: 91 Resp: 7368

Ion Ratio Lower Upper

91 100

120 26.1 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VX001416.D (-1763) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1763) (-)

11.37

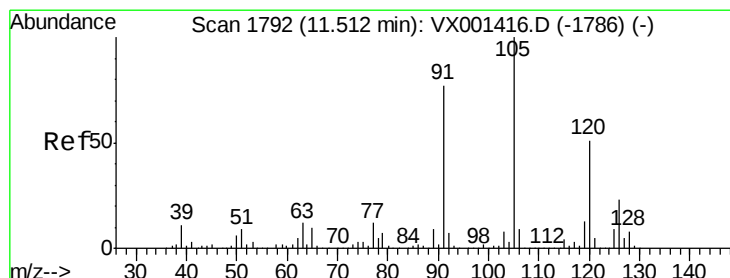
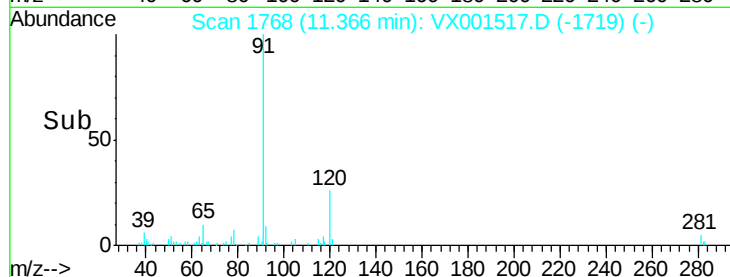
6000

4000

2000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.37 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001517.D

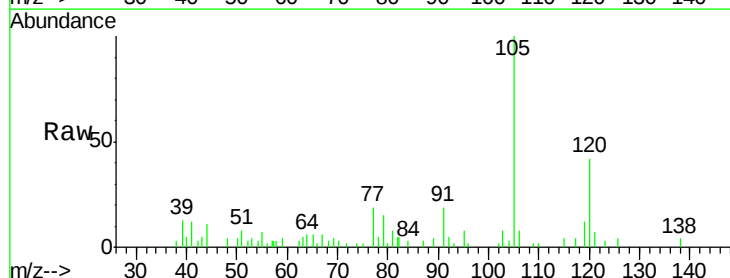
Acq: 08 May 2018 16:40

Tgt Ion: 105 Resp: 3634

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VX001416.D (-1786) (-)

Ion 120.00 (119.70 to 120.70): VX001416.D (-1786) (-)

11.51

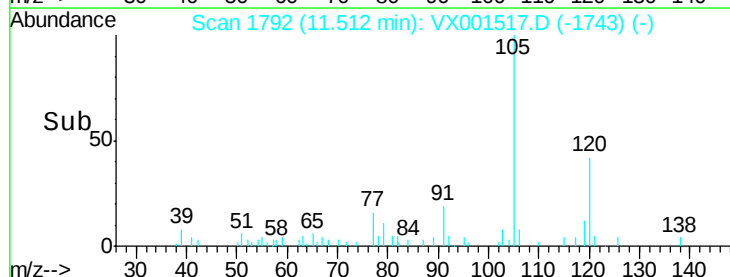
3000

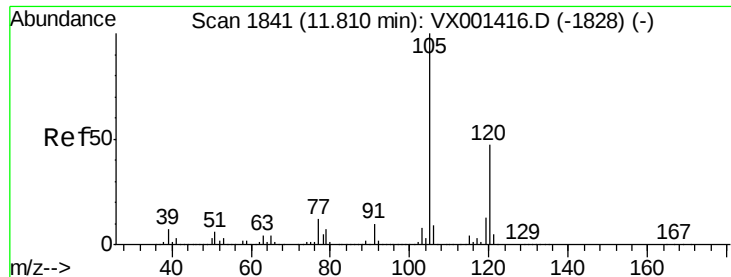
2000

1000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1.13 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001517.D

Acq: 08 May 2018 16:40

Instrument :

MSVOA_X

ClientSampleId :

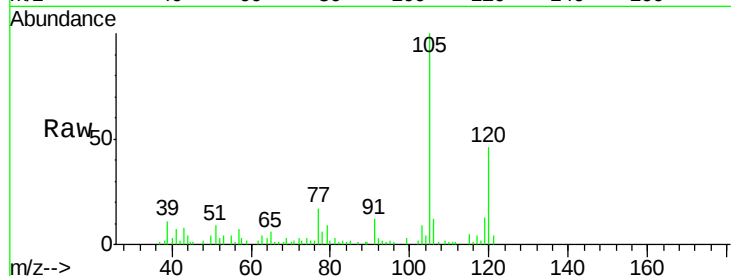
V23608-VB102

Tot Ion:105 Resp: 11273

Ion Ratio Lower Upper

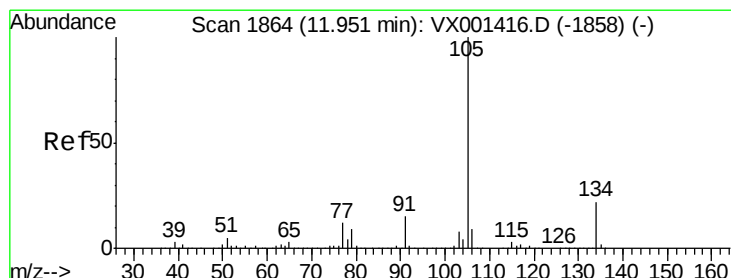
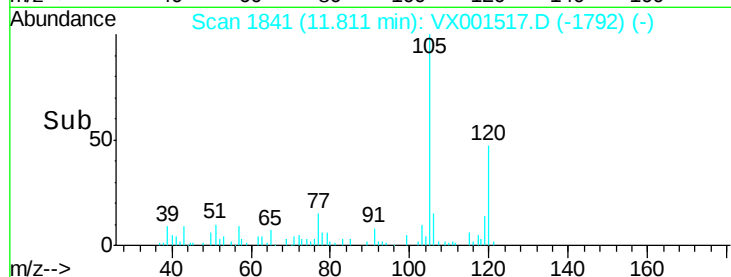
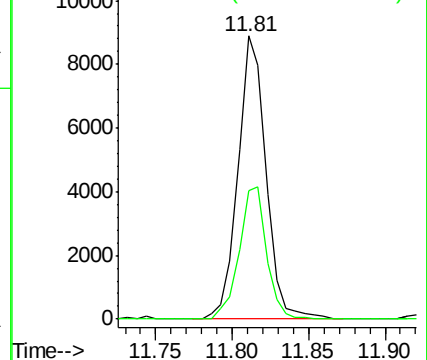
105 100

120 45.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.30 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001517.D

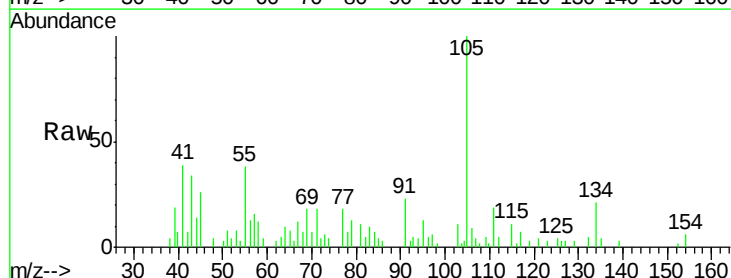
Acq: 08 May 2018 16:40

Tgt Ion:105 Resp: 3518

Ion Ratio Lower Upper

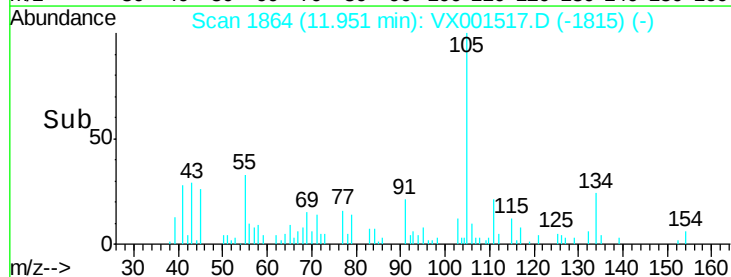
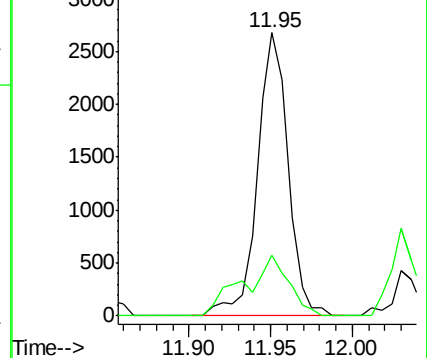
105 100

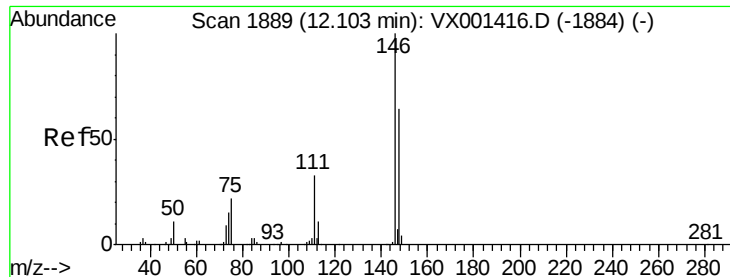
134 31.8 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

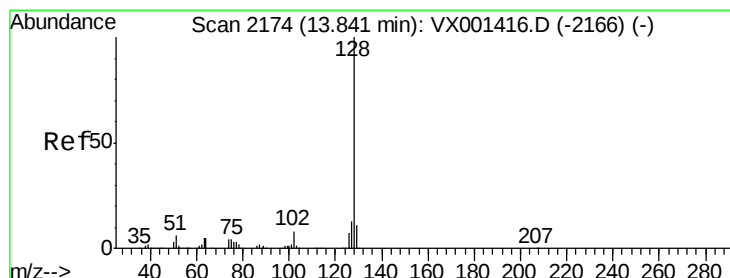
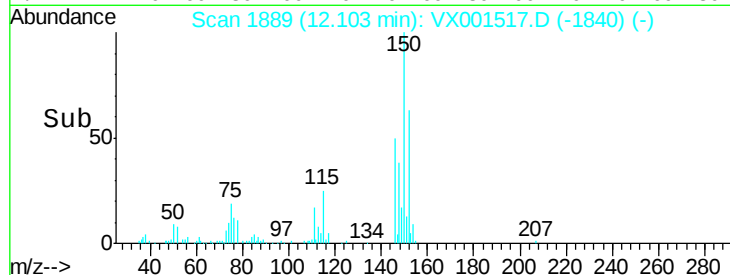
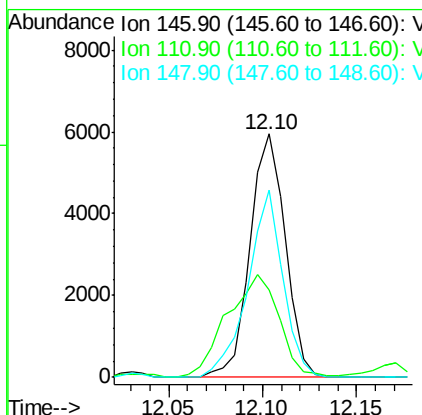
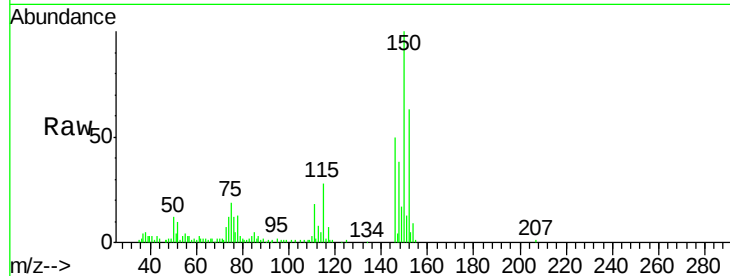




#88
 1,4-Dichlorobenzene
 Concen: 1.24 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001517.D
 Acq: 08 May 2018 16:40

Instrument :
 MSVOA_X
 ClientSampleId :
 V23608-VB102

Tot Ion	Ratio	Lower	Upper
146	100		
111	62.4	17.4	52.3#
148	76.8	32.2	96.6



#95
 Naphthalene
 Concen: 2.13 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001517.D
 Acq: 08 May 2018 16:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.5	10.4	15.6
129	14.6	8.7	13.1#

