

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009859.D
 Acq On : 23 May 2019 15:31
 Operator : JC/SP
 Sample : K2977-15 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

Quant Time: May 24 04:26:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	173829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	281758	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	120955	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
35) Dibromofluoromethane	5.50	113	86598	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
50) Toluene-d8	8.71	98	356332	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	119274	45.90	ug/l	0.00
Spiked Amount			Recovery	=	91.80%	

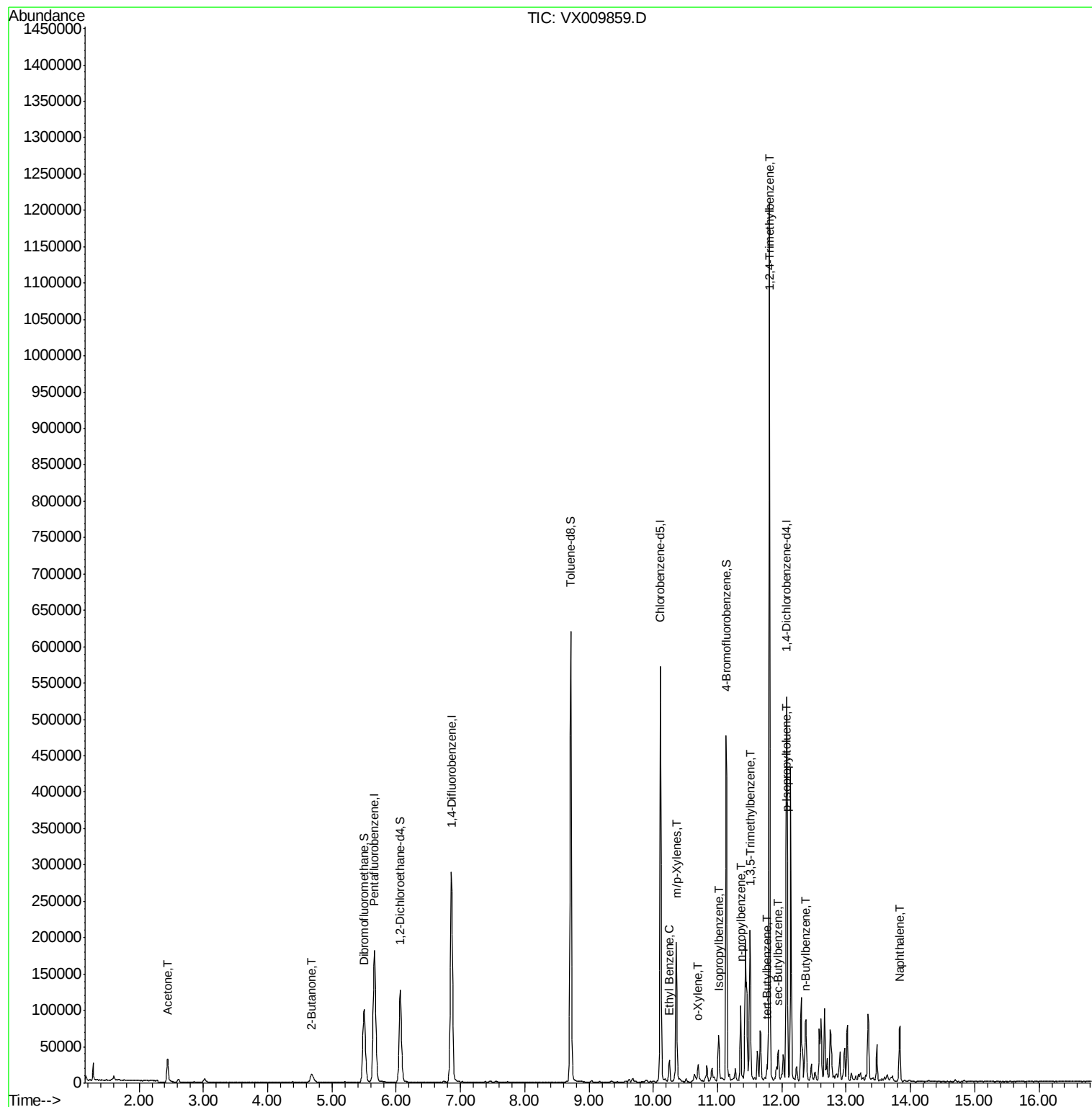
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	36303	28.491	ug/l	97
25) 2-Butanone	4.68	43	13084	6.608	ug/l #	91
67) Ethyl Benzene	10.25	91	16001	1.770	ug/l	98
68) m/p-Xylenes	10.36	106	42294	12.805	ug/l	97
69) o-Xylene	10.69	106	4966	1.524	ug/l	90
73) Isopropylbenzene	11.02	105	31166	3.974	ug/l	99
78) n-propylbenzene	11.36	91	60737	6.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	80549	12.198	ug/l	99
83) tert-Butylbenzene	11.77	119	3922	0.611	ug/l	87
84) 1,2,4-Trimethylbenzene	11.80	105	502824	75.859	ug/l	99
85) sec-Butylbenzene	11.94	105	18660	2.450	ug/l #	77
86) p-Isopropyltoluene	12.06	119	12619	1.843	ug/l	94
89) n-Butylbenzene	12.38	91	14612	2.361	ug/l #	46
95) Naphthalene	13.83	128	45724	5.815	ug/l	99

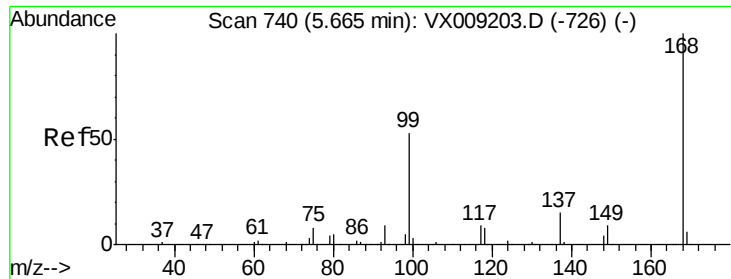
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009859.D

Acq: 23 May 2019 15:31

Instrument :

MSVOA_X

ClientSampleId :

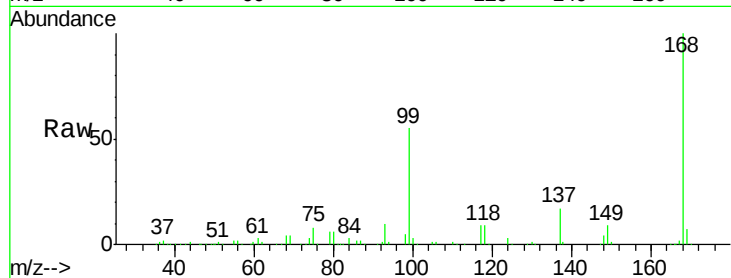
EP1-PZ-FD-02

Tot Ion:168 Resp: 173829

Ion Ratio Lower Upper

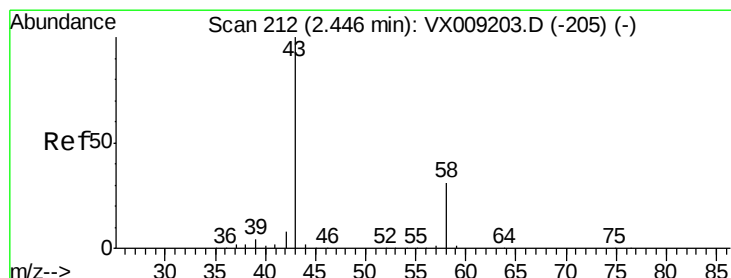
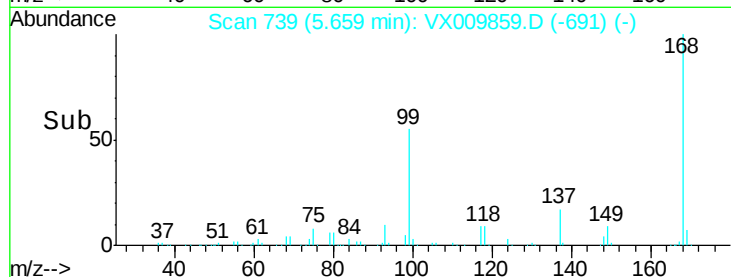
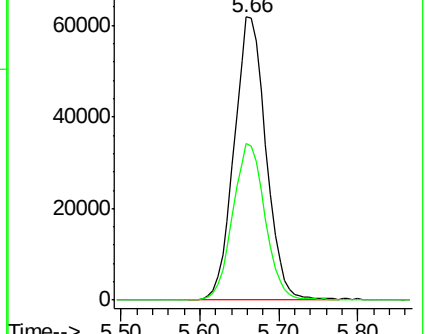
168 100

99 55.2 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 28.491 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009859.D

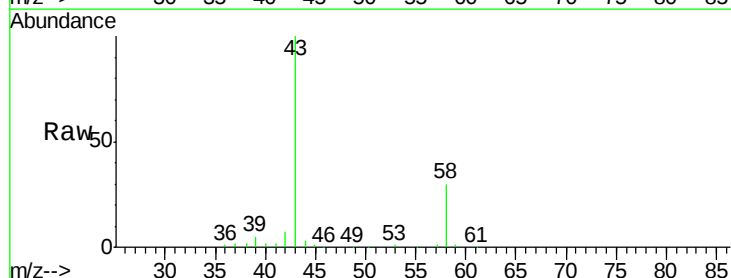
Acq: 23 May 2019 15:31

Tgt Ion: 43 Resp: 36303

Ion Ratio Lower Upper

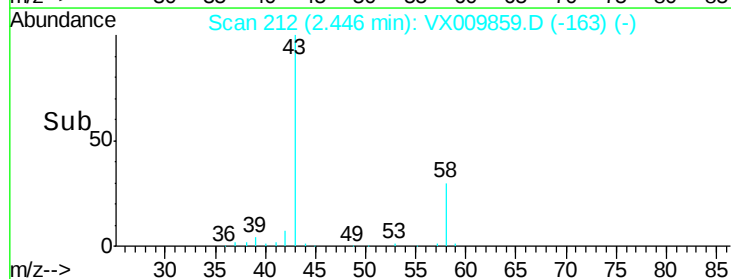
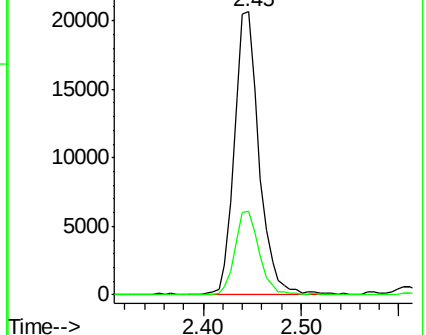
43 100

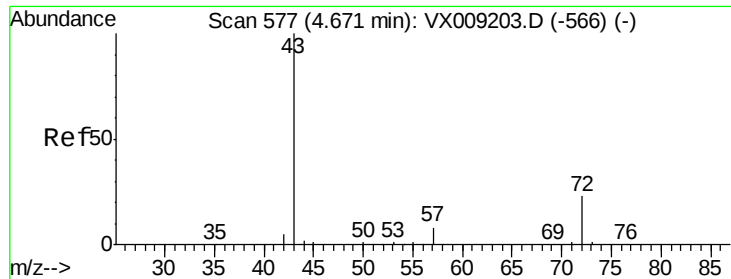
58 29.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

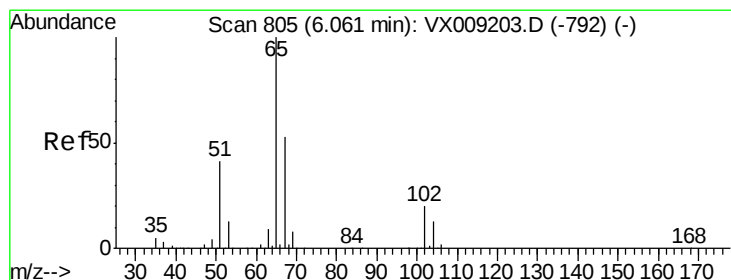
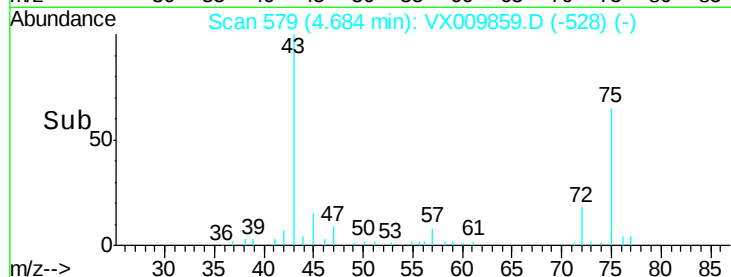
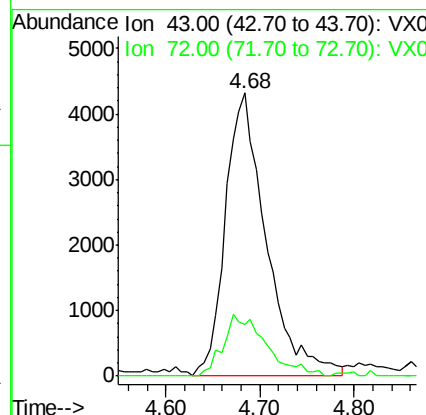
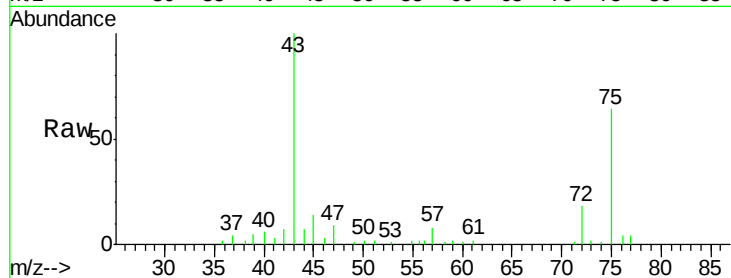




#25
 2-Butanone
 Concen: 6.608 ug/l
 RT: 4.68 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

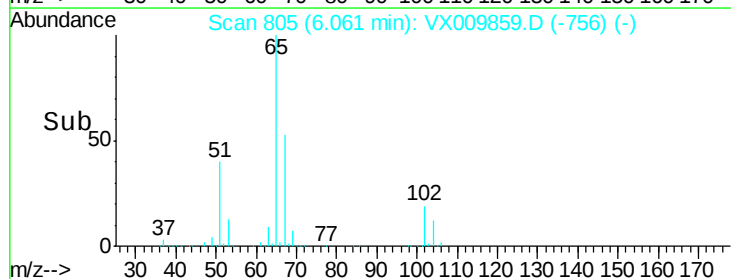
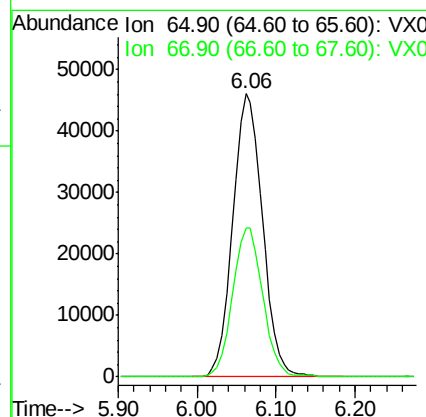
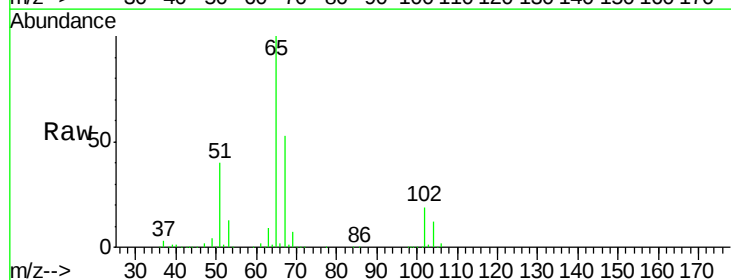
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

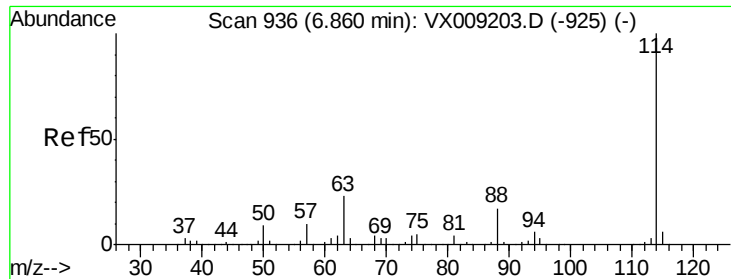
Tot Ion: 43 Resp: 13084
 Ion Ratio Lower Upper
 43 100
 72 18.1 18.2 27.2#



#33
 1,2-Dichloroethane-d4
 Concen: 50.972 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

Tgt Ion: 65 Resp: 120955
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6

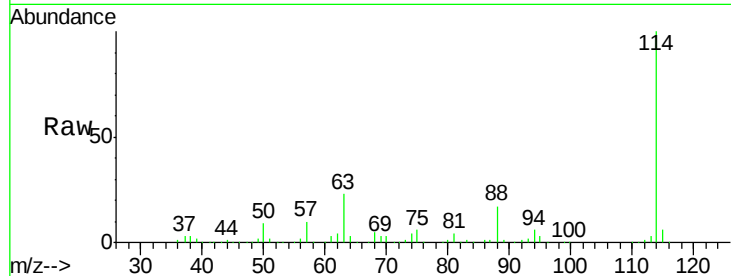




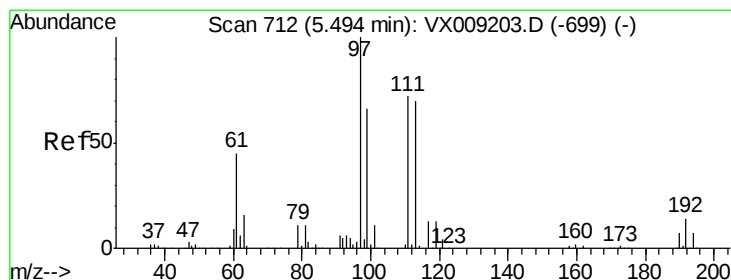
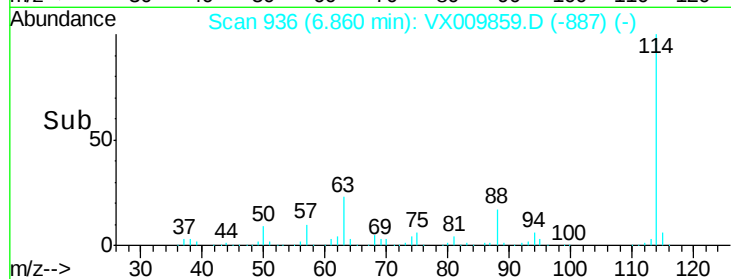
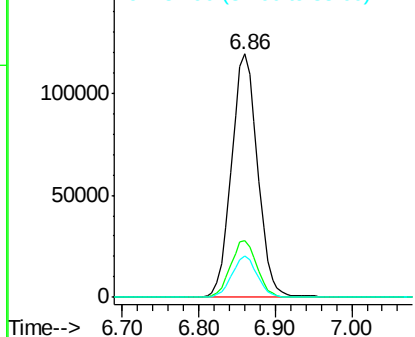
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

Tot Ion:114 Resp: 281758
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.9 0.0 33.2

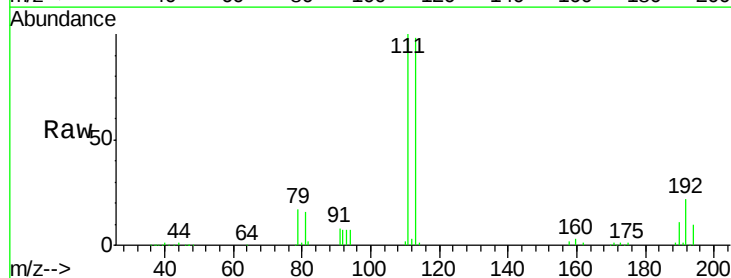


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

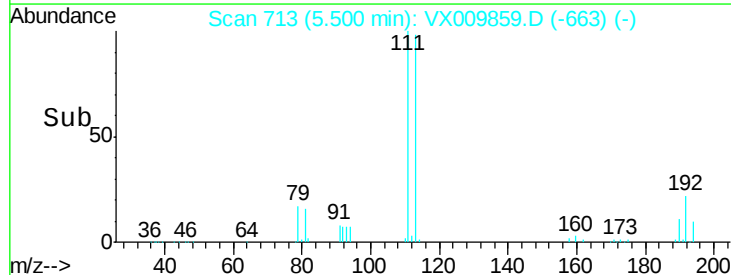
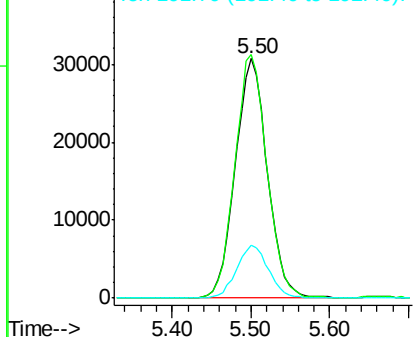


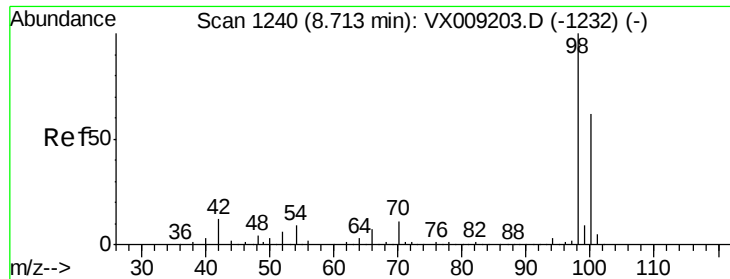
#35
 Dibromofluoromethane
 Concen: 48.891 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

Tgt Ion:113 Resp: 86598
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.8 124.2
 192 21.9 17.0 25.6



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

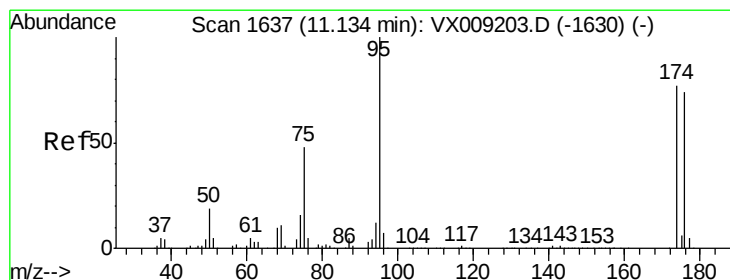
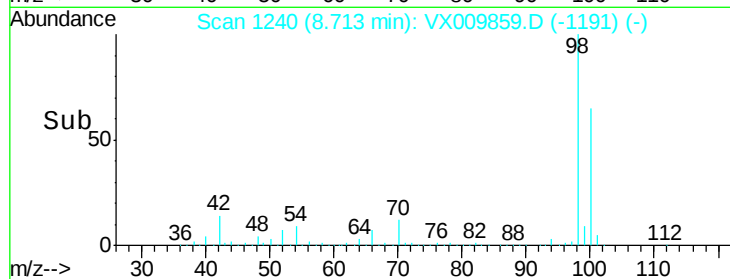
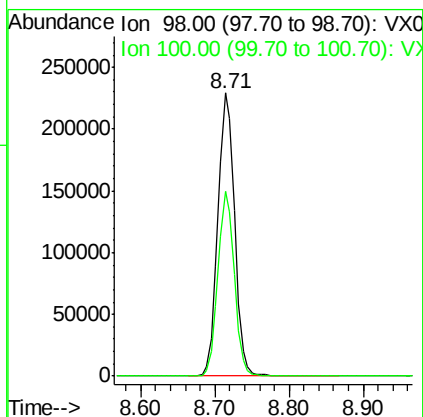
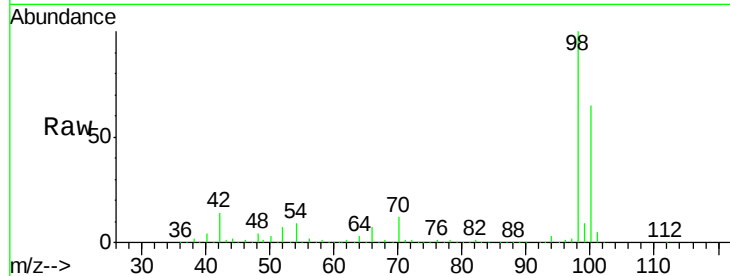




#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

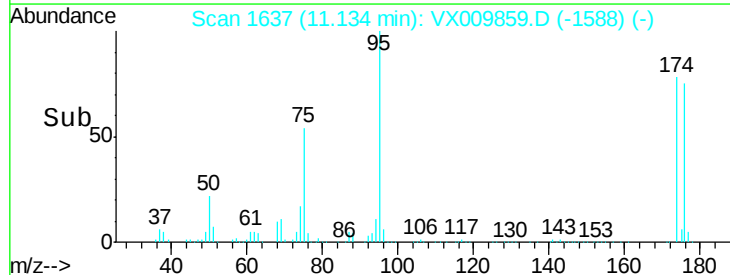
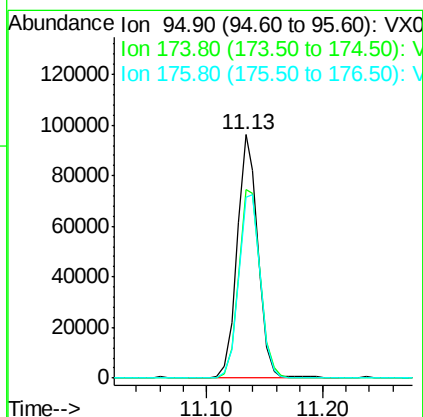
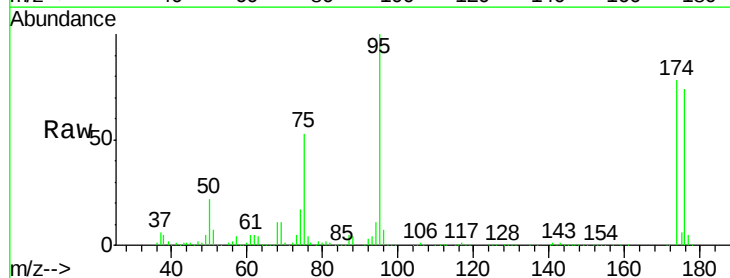
Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

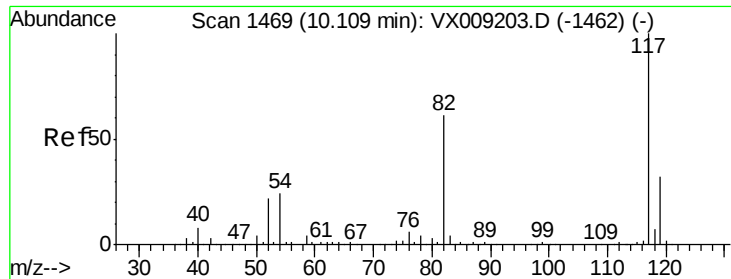
Tot Ion: 98 Resp: 356332
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 45.903 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion: 95 Resp: 119274
Ion Ratio Lower Upper
95 100
174 80.7 0.0 161.6
176 78.7 0.0 159.2

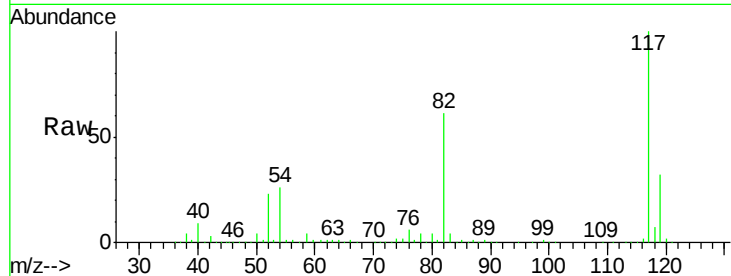




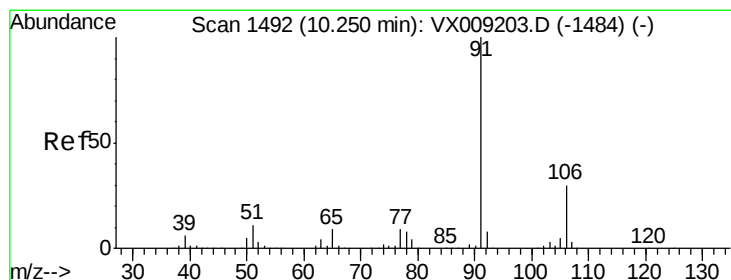
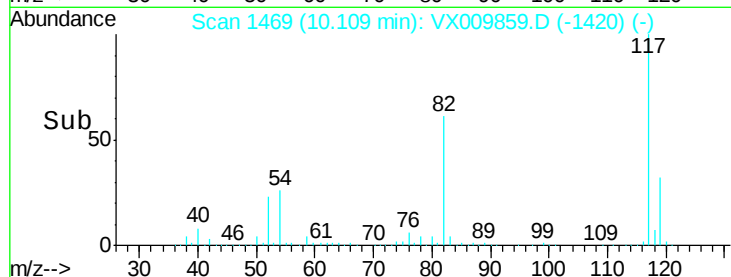
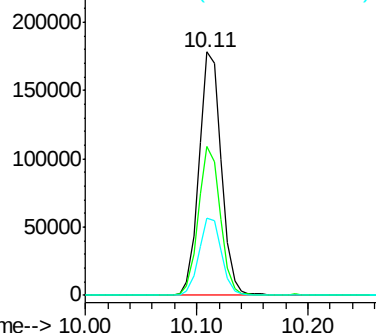
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

Tot Ion:117 Resp: 245505
Ion Ratio Lower Upper
117 100
82 61.4 48.8 73.2
119 31.8 25.8 38.6

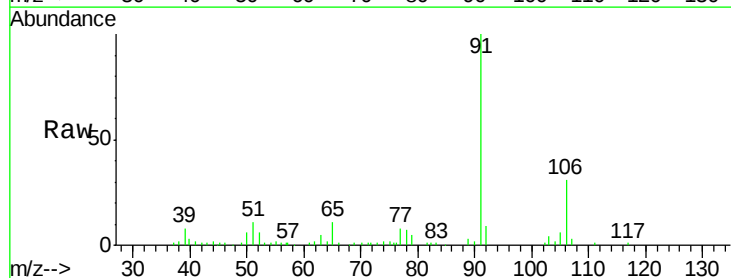


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

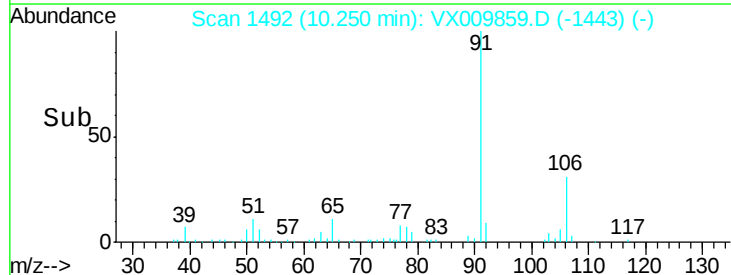
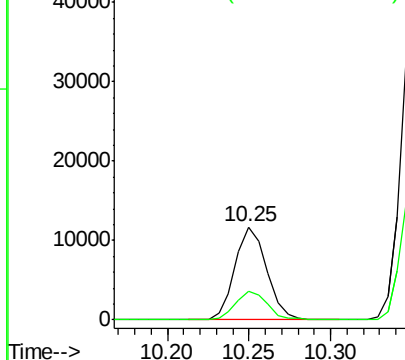


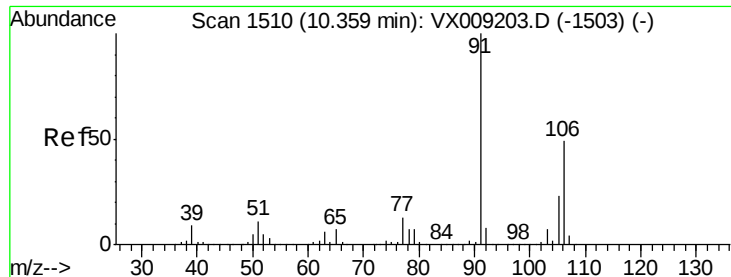
#67
Ethyl Benzene
Concen: 1.770 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion: 91 Resp: 16001
Ion Ratio Lower Upper
91 100
106 31.0 24.0 36.0



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

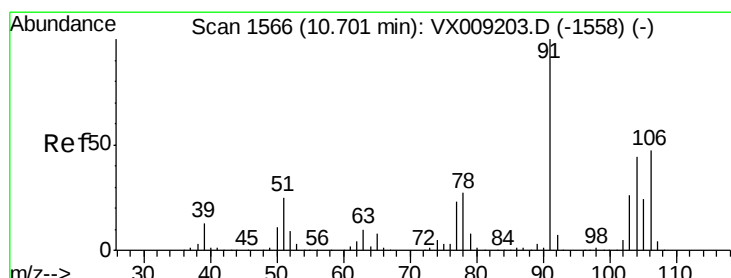
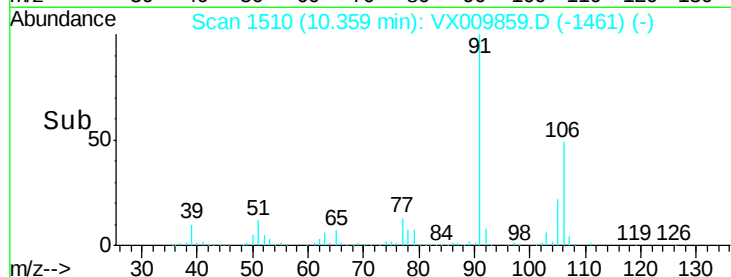
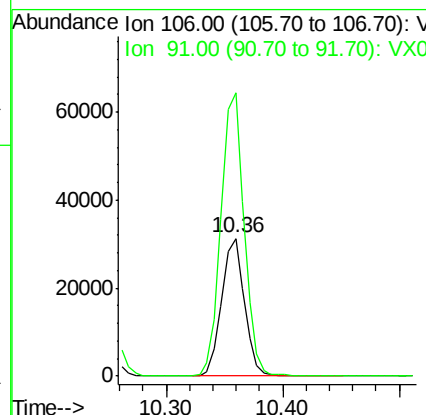
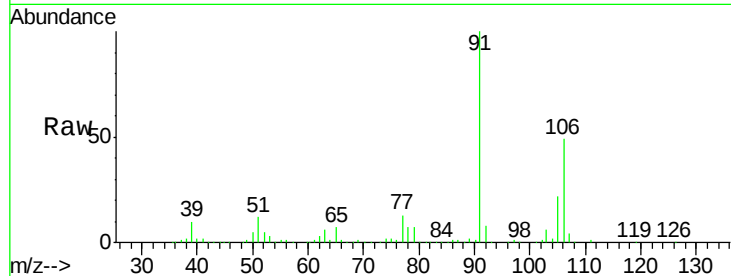




#68
m/p-Xylenes
Concen: 12.805 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

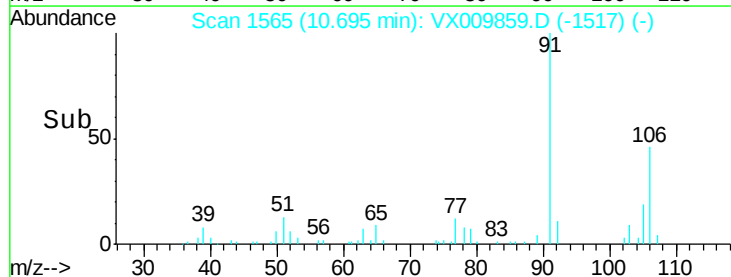
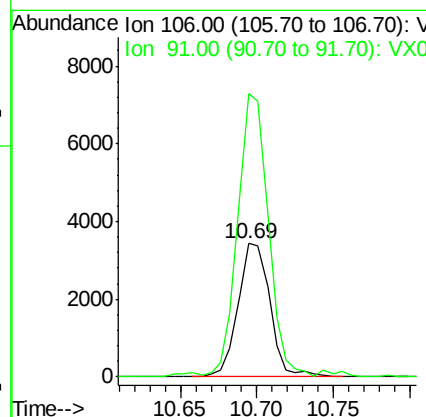
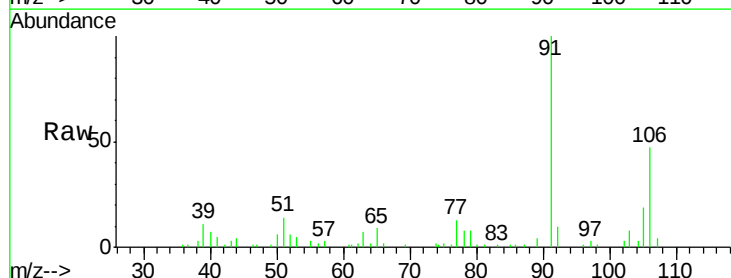
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EP1-PZ-FD-02

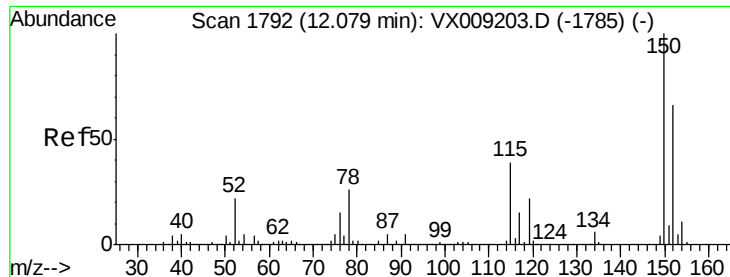
Tot Ion:106 Resp: 42294
Ion Ratio Lower Upper
106 100
91 209.3 164.0 246.0



#69
o-Xylene
Concen: 1.524 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion:106 Resp: 4966
Ion Ratio Lower Upper
106 100
91 203.6 109.5 328.4



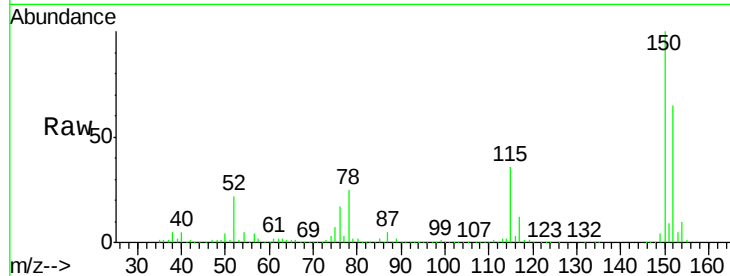


#72

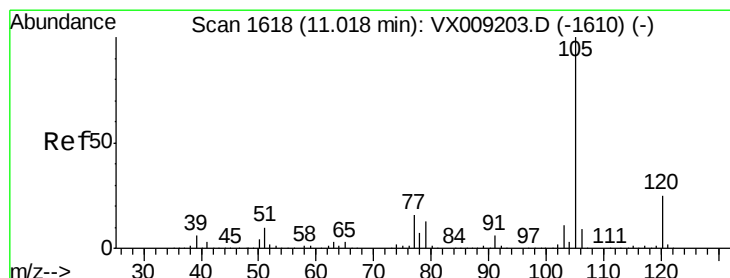
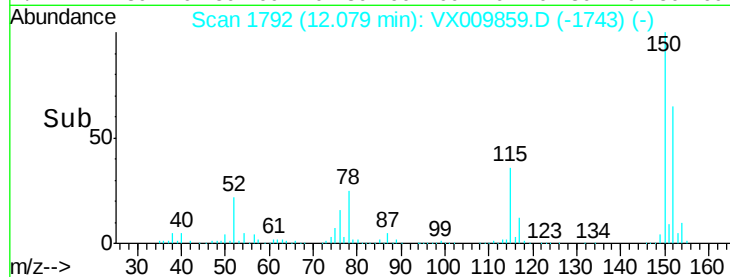
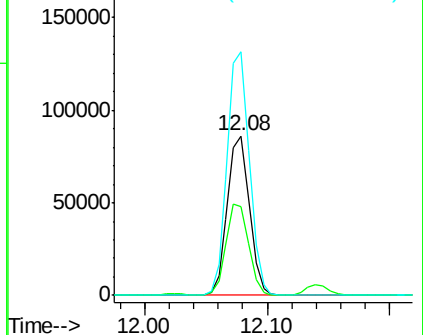
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	41.2	123.6
150	154.1	0.0	346.4



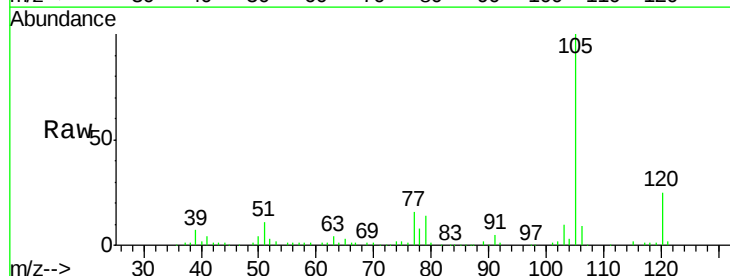
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



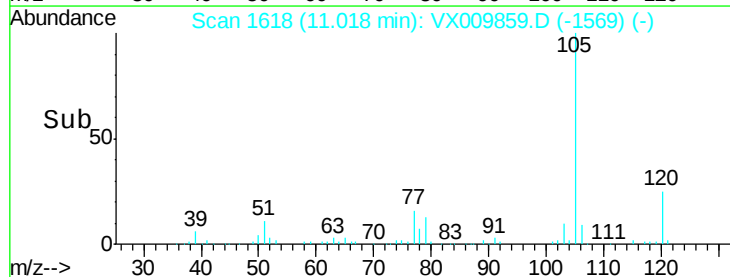
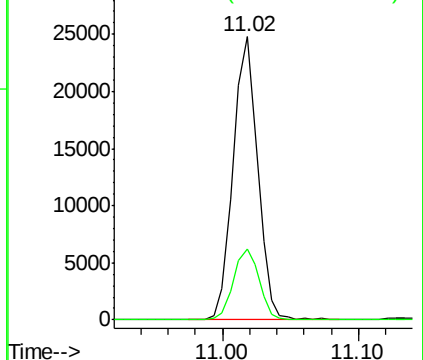
#73

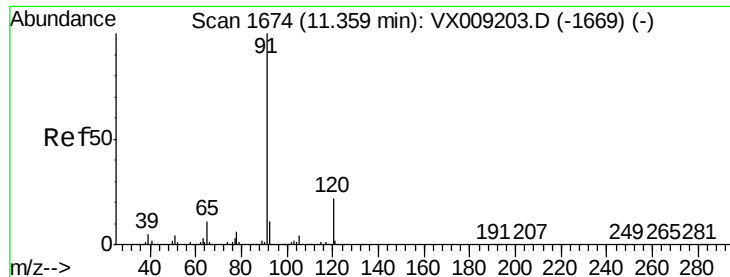
Isopropylbenzene
Concen: 3.974 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 6.781 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009859.D

Acq: 23 May 2019 15:31

Instrument :

MSVOA_X

ClientSampled :

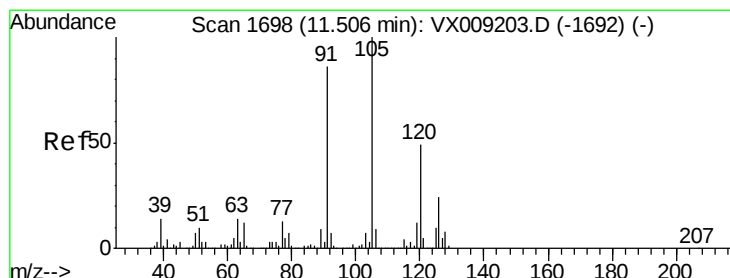
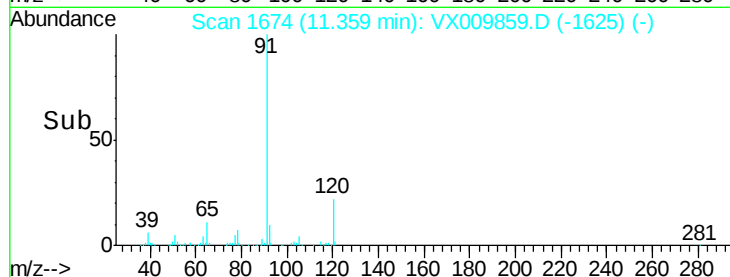
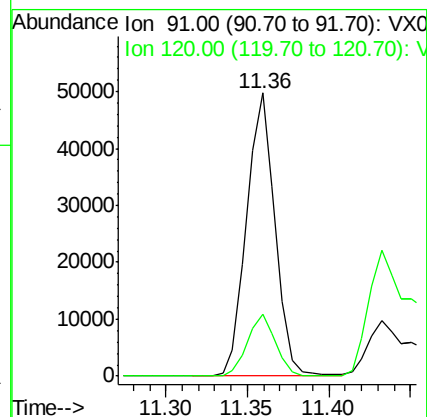
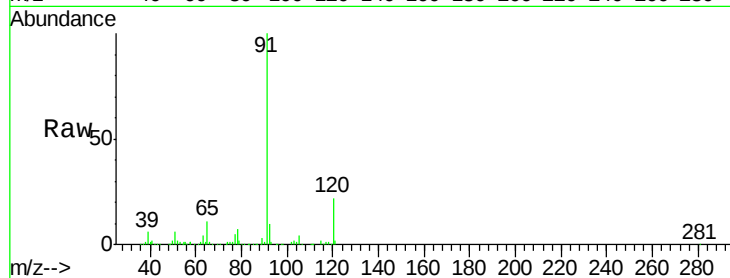
EP1-PZ-FD-02

Tot Ion: 91 Resp: 60737

Ion Ratio Lower Upper

91 100

120 21.4 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 12.198 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009859.D

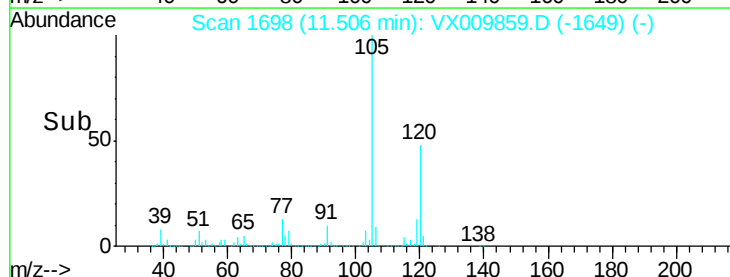
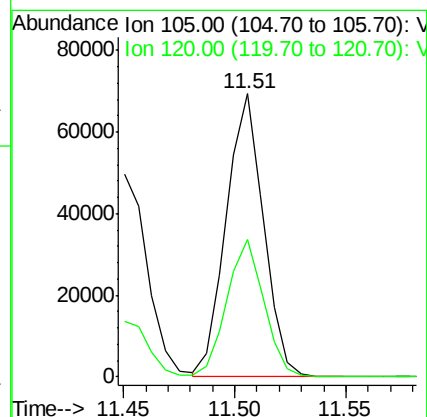
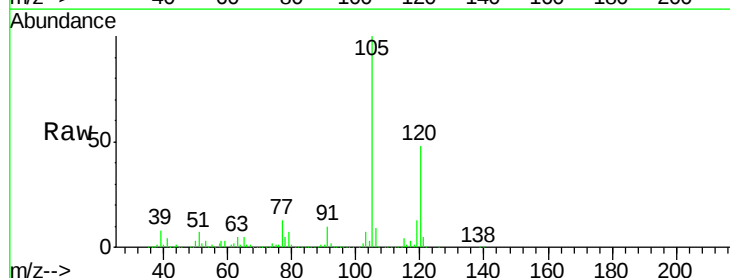
Acq: 23 May 2019 15:31

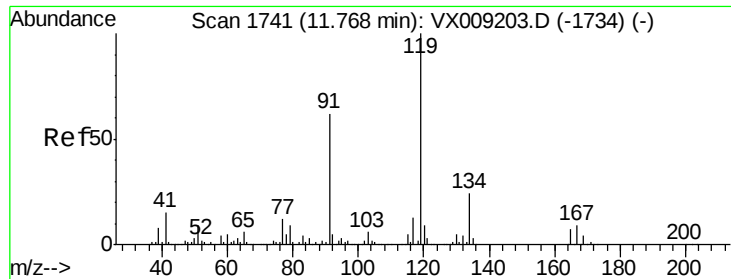
Tgt Ion: 105 Resp: 80549

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9

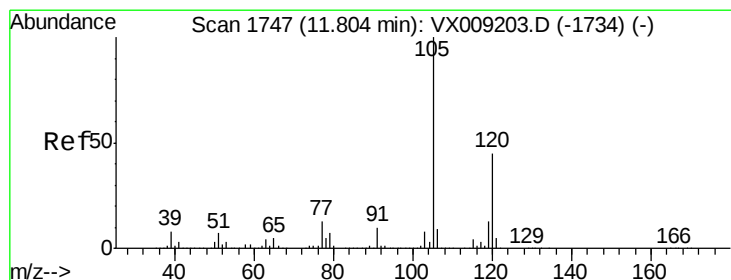
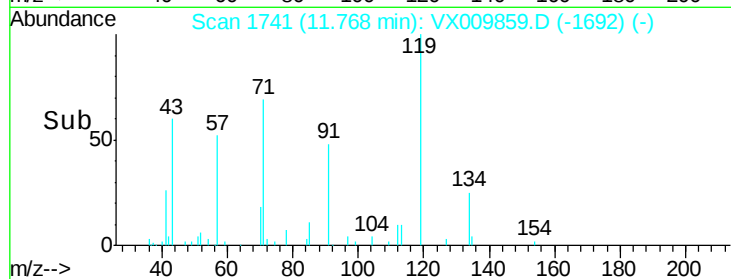
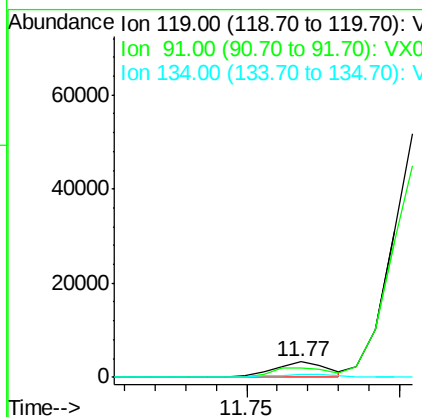
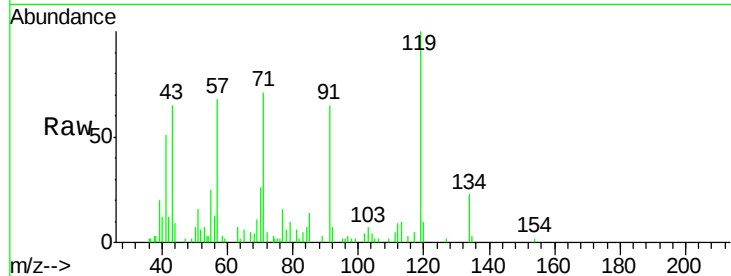




#83
tert-Butylbenzene
Concen: 0.611 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

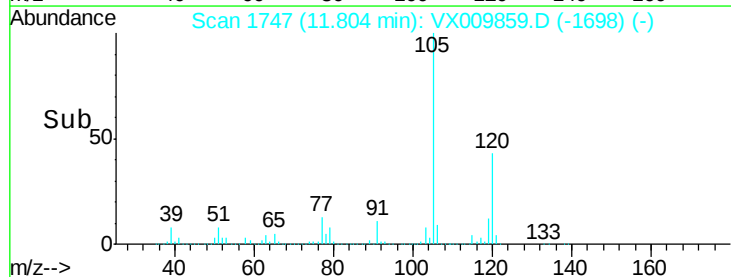
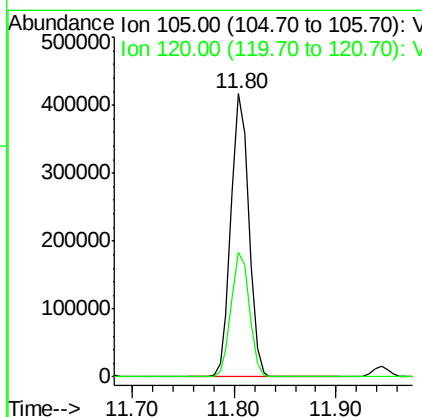
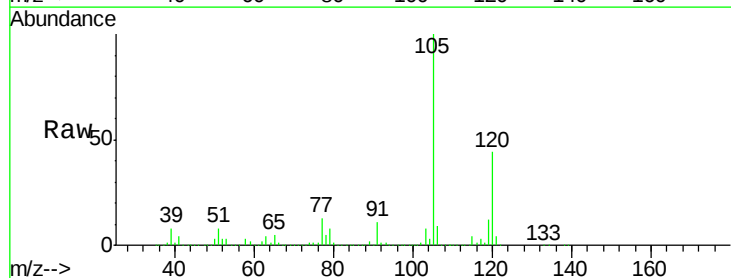
Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-FD-02

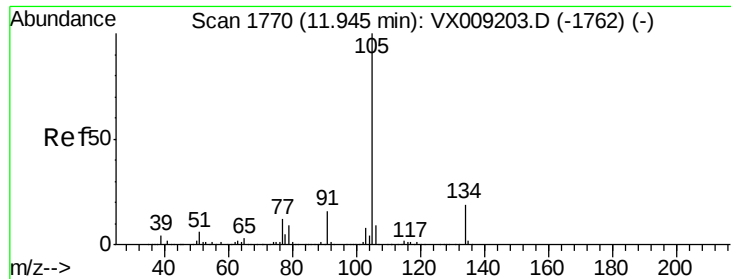
Tot Ion:119 Resp: 3922
Ion Ratio Lower Upper
119 100
91 71.7 29.5 88.5
134 24.8 11.4 34.1



#84
1,2,4-Trimethylbenzene
Concen: 75.859 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion:105 Resp: 502824
Ion Ratio Lower Upper
105 100
120 44.7 22.0 66.0

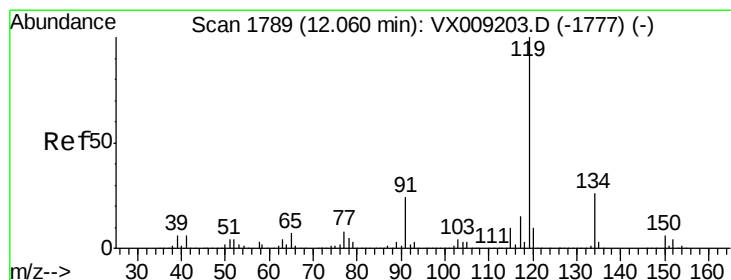
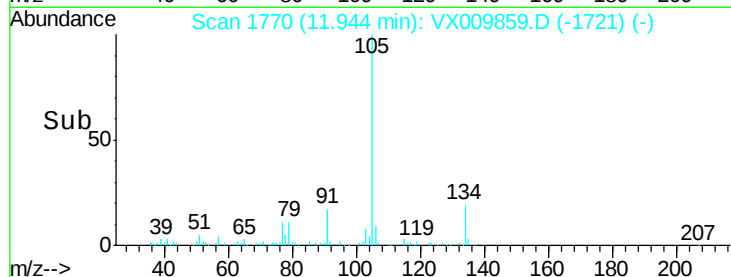
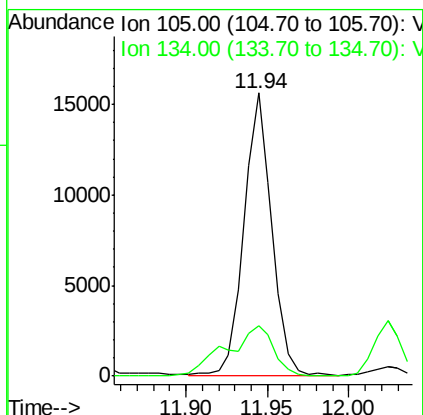
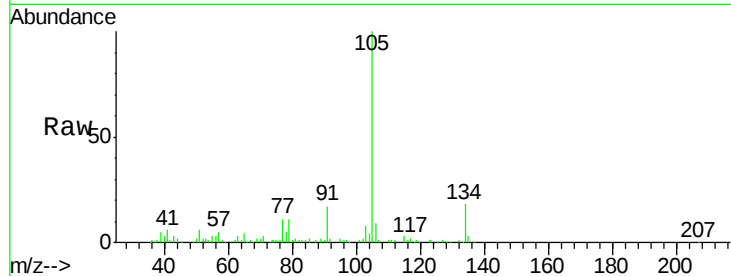




#85
 sec-Butylbenzene
 Concen: 2.450 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

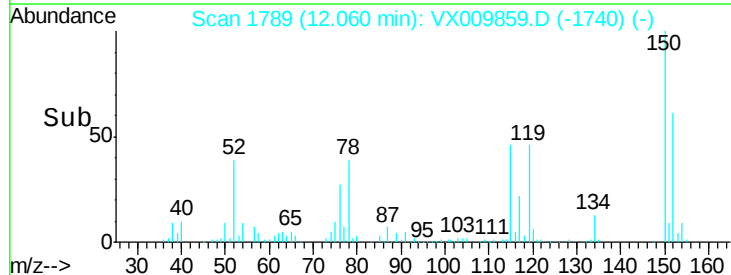
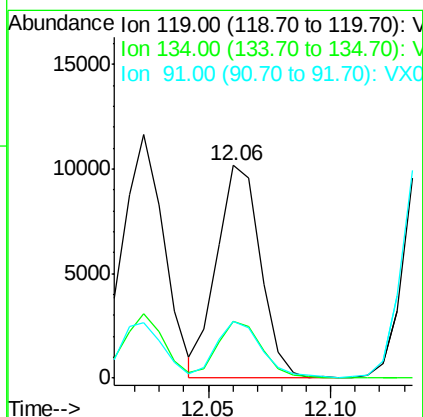
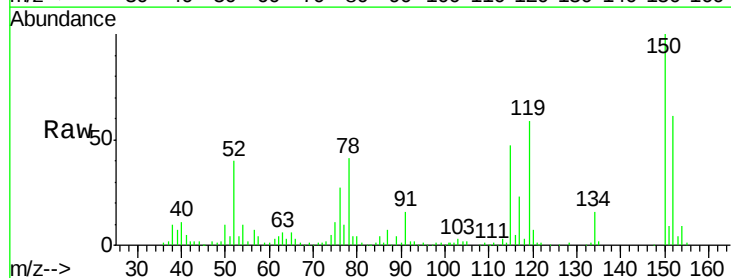
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-FD-02

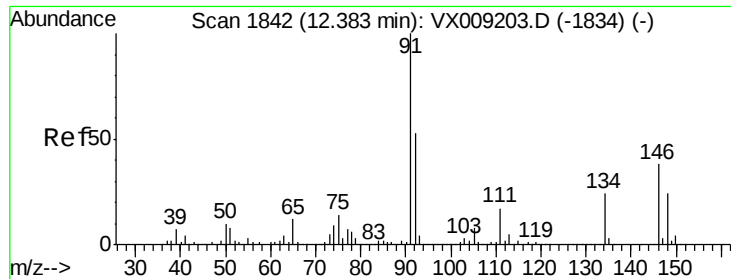
Tot Ion:105 Resp: 18660
 Ion Ratio Lower Upper
 105 100
 134 29.9 9.7 28.9#



#86
 p-Isopropyltoluene
 Concen: 1.843 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009859.D
 Acq: 23 May 2019 15:31

Tgt Ion:119 Resp: 12619
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.9 38.7
 91 28.2 11.8 35.4

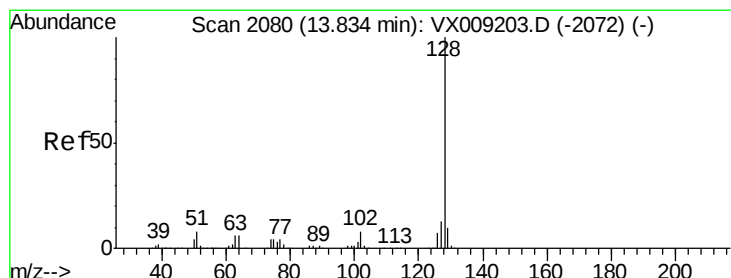
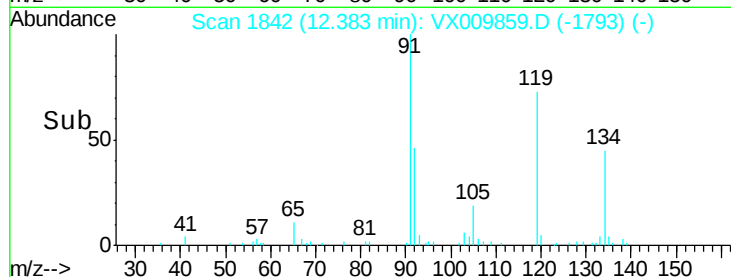
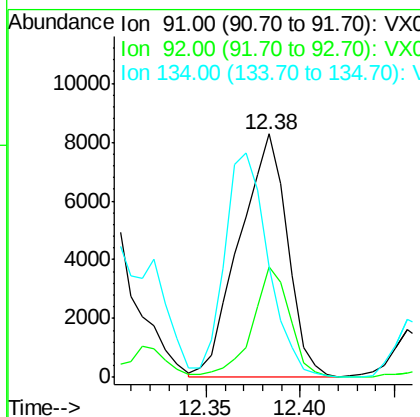
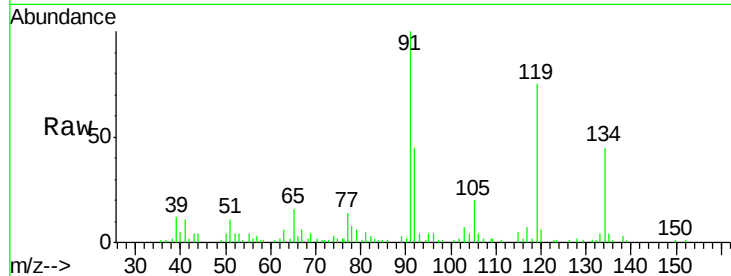




#89
n-Butylbenzene
Concen: 2.361 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Instrument :
MSVOA_X
ClientSampled :
EP1-PZ-FD-02

Tot Ion: 91 Resp: 14612
Ion Ratio Lower Upper
91 100
92 35.5 26.5 79.5
134 83.8 12.4 37.2#



#95
Naphthalene
Concen: 5.815 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009859.D
Acq: 23 May 2019 15:31

Tgt Ion: 128 Resp: 45724
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.1 8.6 13.0

