

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013060.D
 Acq On : 14 Oct 2019 18:26
 Operator : JC/SP
 Sample : K5313-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333-9001

Quant Time: Oct 15 12:24:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

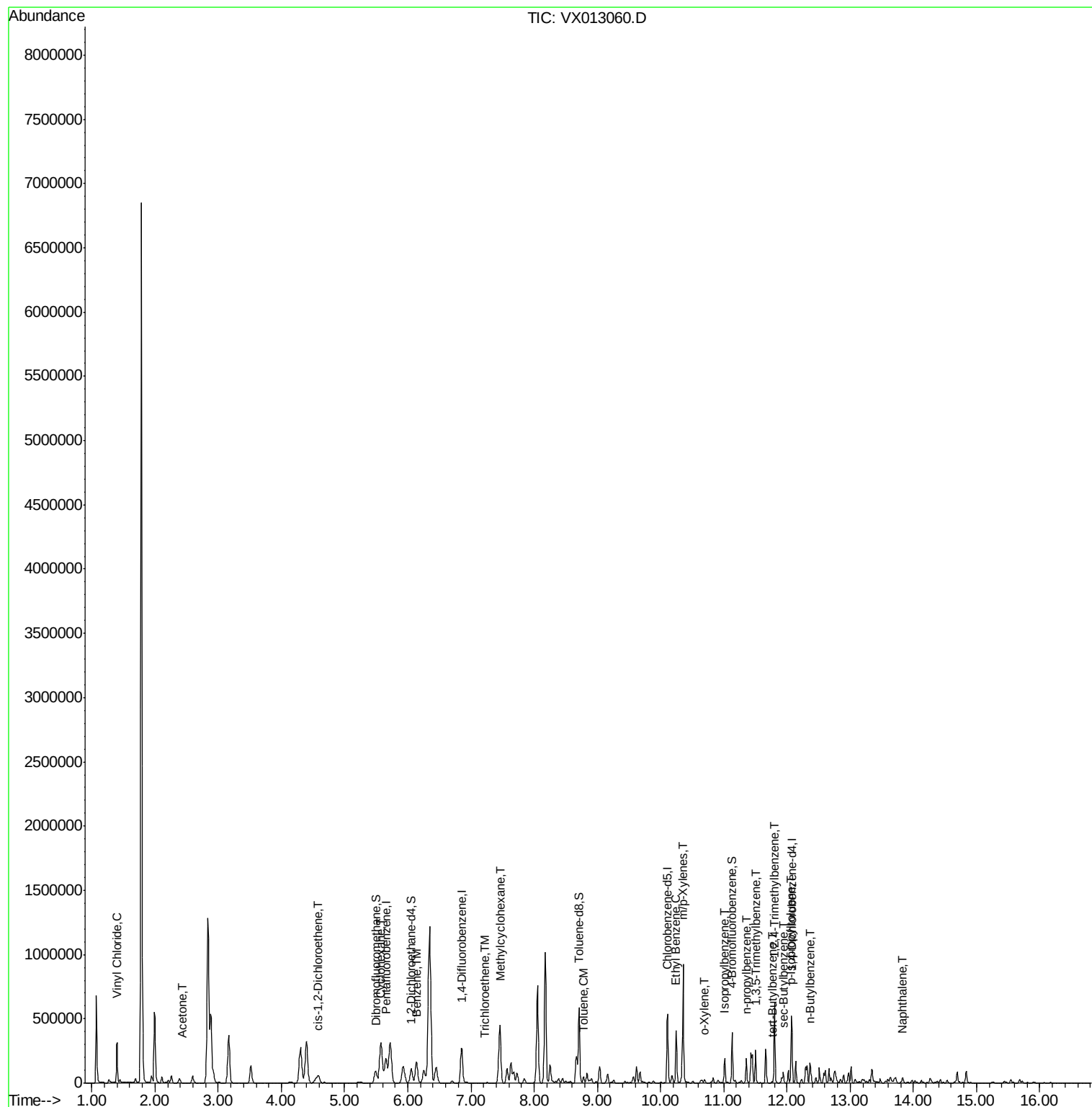
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	175001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	282573	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100553	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	106230	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	5.49	113	83425	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	8.71	98	331502	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	11.13	95	114253	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	16581	8.275	ug/l	100
16) Acetone	2.44	43	2671	2.317	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32430	14.843	ug/l	90
31) Cyclohexane	5.57	56	225033	70.885	ug/l	98
39) Methylcyclohexane	7.46	83	204281	67.802	ug/l	99
40) Benzene	6.14	78	204840	27.916	ug/l	100
44) Trichloroethene	7.21	130	1168	0.574	ug/l	88
52) Toluene	8.78	92	17426	3.712	ug/l	100
67) Ethyl Benzene	10.24	91	243030	28.367	ug/l	99
68) m/p-Xylenes	10.35	106	200730	62.715	ug/l	100
69) o-Xylene	10.70	106	4430	1.419	ug/l	93
73) Isopropylbenzene	11.01	105	99826	13.503	ug/l	99
78) n-propylbenzene	11.35	91	120825	14.853	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	105676	17.119	ug/l	99
83) tert-Butylbenzene	11.77	119	4441	0.737	ug/l	84
84) 1,2,4-Trimethylbenzene	11.81	105	279021	44.630	ug/l	97
85) sec-Butylbenzene	11.94	105	44254	6.343	ug/l #	78
86) p-Isopropyltoluene	12.06	119	27617	4.268	ug/l	99
89) n-Butylbenzene	12.38	91	23788	4.374	ug/l #	35
95) Naphthalene	13.83	128	25230	3.663	ug/l #	93

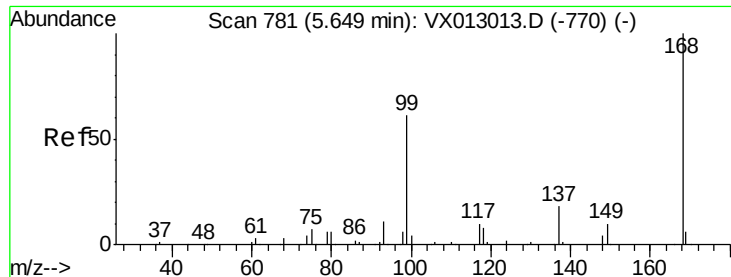
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 11 09:48:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

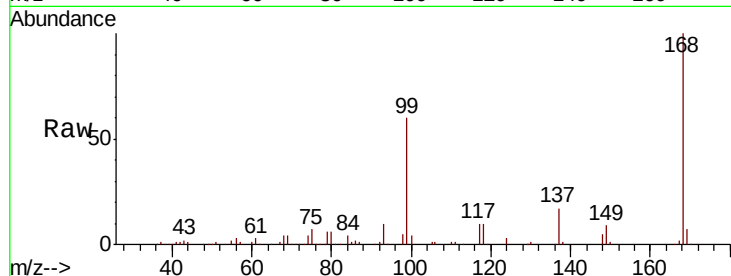
FA19-JBW7333-9001

Tot Ion:168 Resp: 175001

Ion Ratio Lower Upper

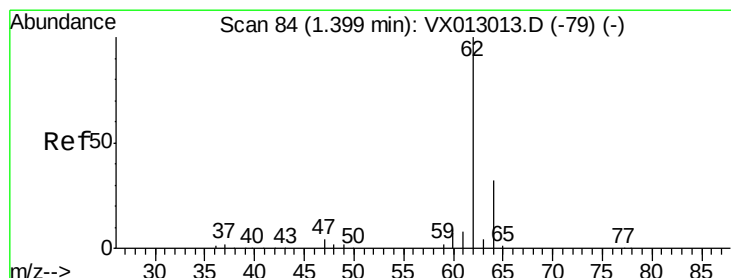
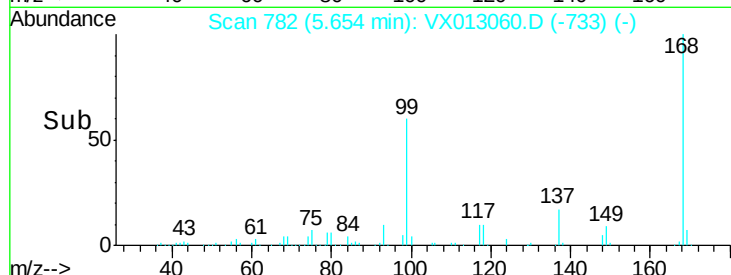
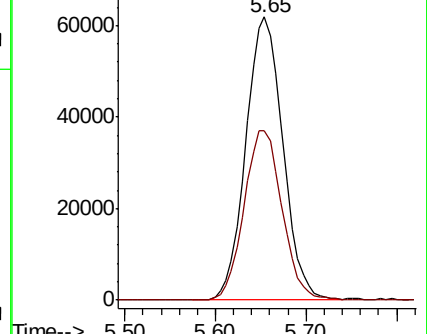
168 100

99 59.9 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 8.275 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013060.D

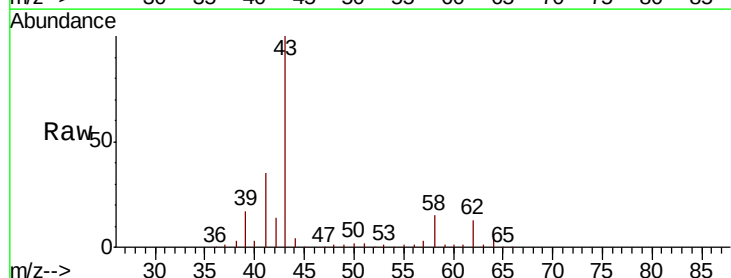
Acq: 14 Oct 2019 18:26

Tgt Ion: 62 Resp: 16581

Ion Ratio Lower Upper

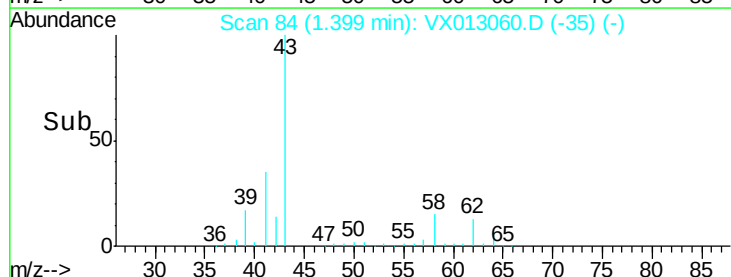
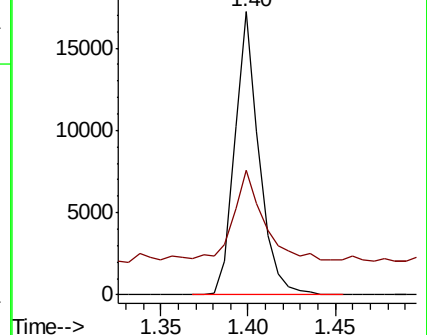
62 100

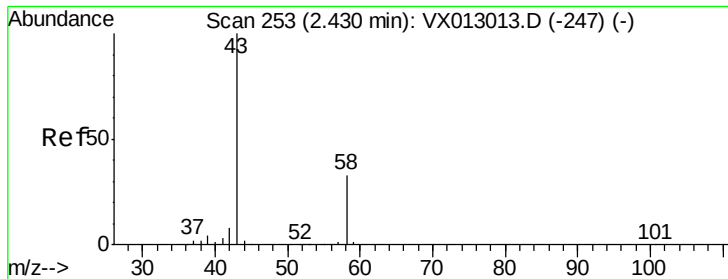
64 31.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#16

Acetone

Concen: 2.317 ug/l

RT: 2.44 min Scan# 254

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

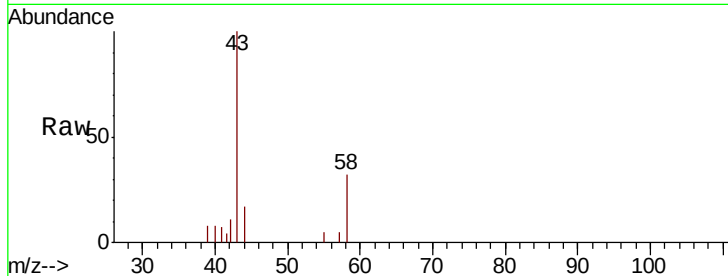
FA19-JBW7333-9001

Tot Ion: 43 Resp: 2671

Ion Ratio Lower Upper

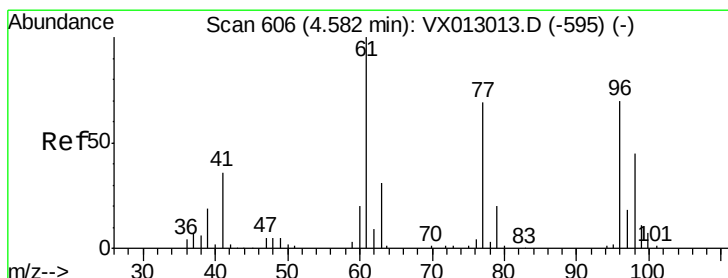
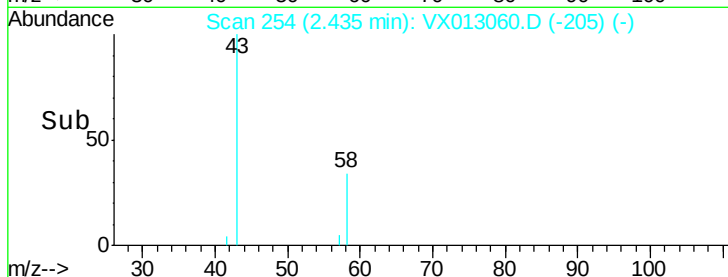
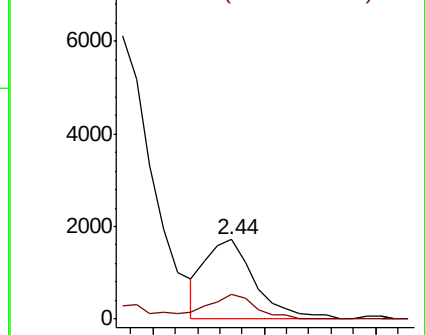
43 100

58 32.0 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 14.843 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

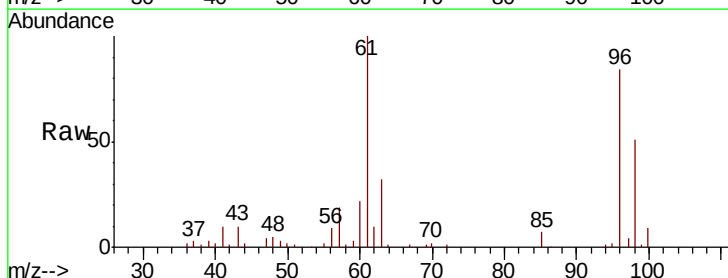
Tgt Ion: 96 Resp: 32430

Ion Ratio Lower Upper

96 100

61 127.1 0.0 290.6

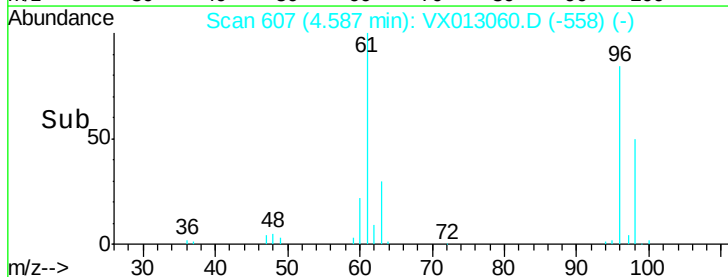
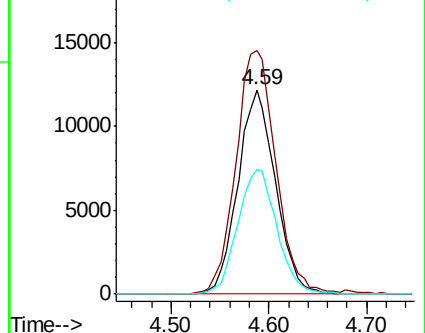
98 64.0 0.0 128.8

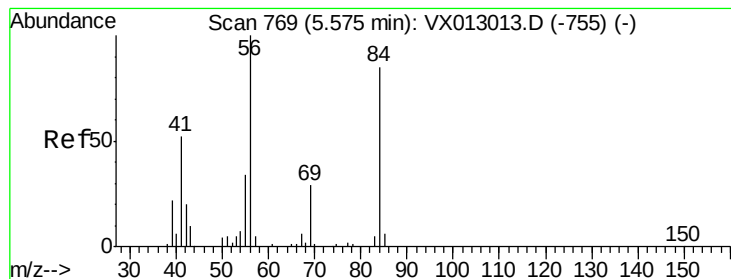


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 70.885 ug/l

RT: 5.57 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333-9001

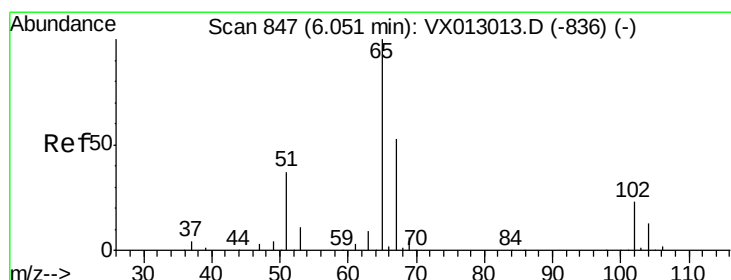
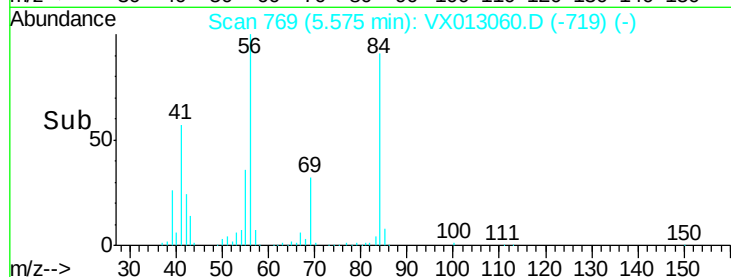
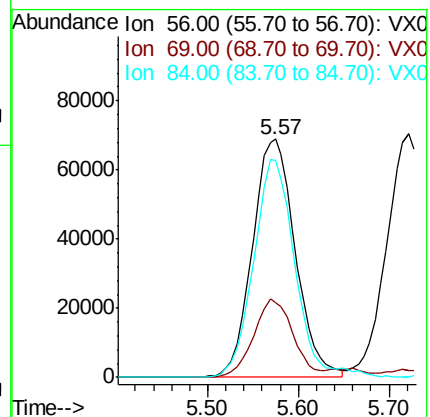
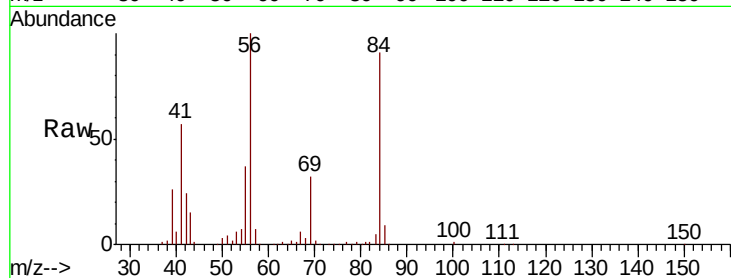
Tot Ion: 56 Resp: 225033

Ion Ratio Lower Upper

56 100

69 31.4 25.2 37.8

84 91.1 71.3 106.9



#33

1,2-Dichloroethane-d4

Concen: 48.567 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013060.D

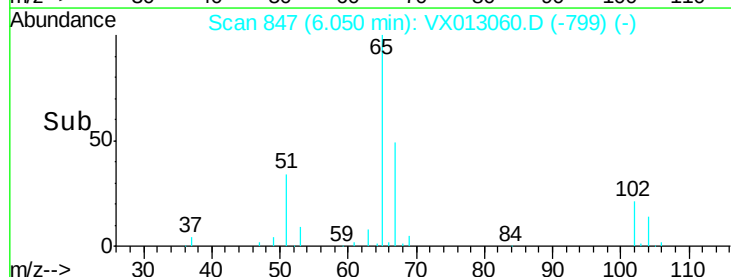
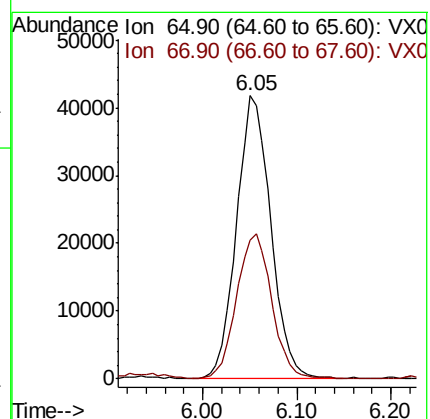
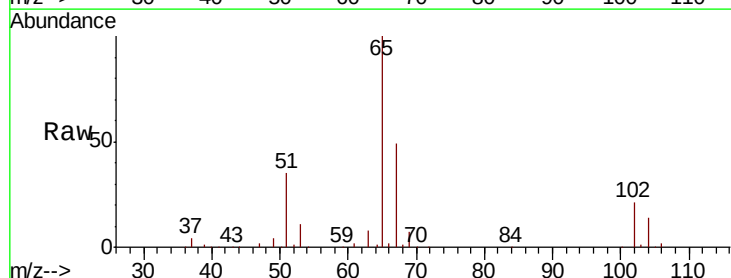
Acq: 14 Oct 2019 18:26

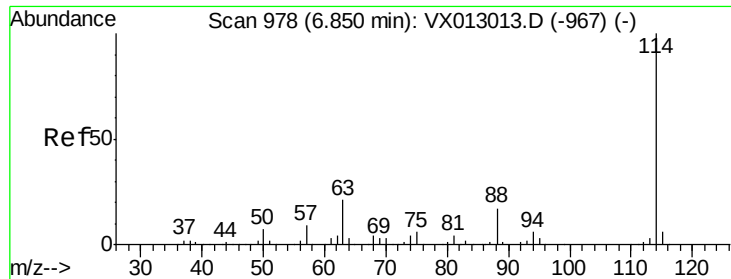
Tgt Ion: 65 Resp: 106230

Ion Ratio Lower Upper

65 100

67 52.7 0.0 104.4

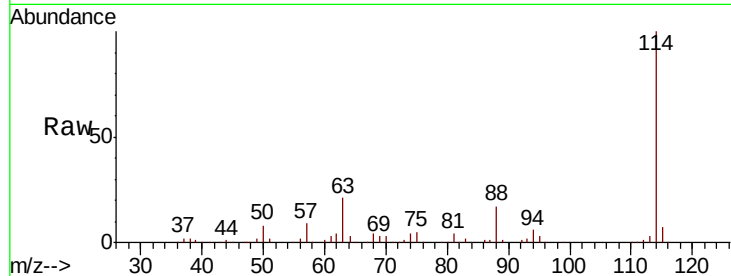




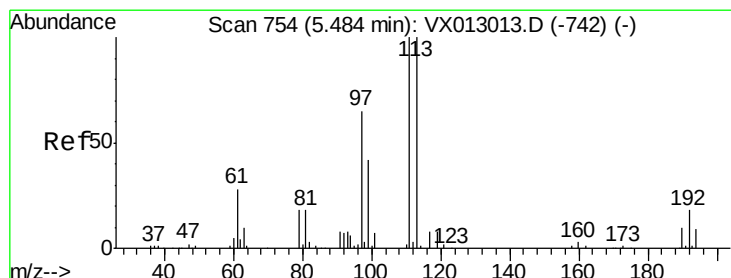
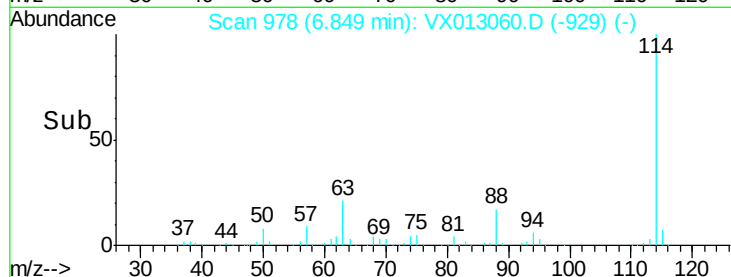
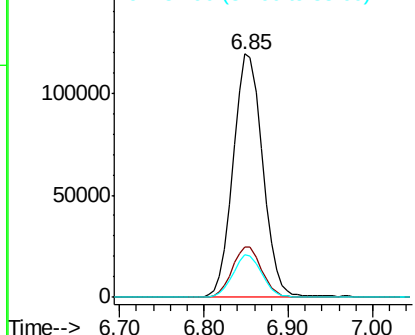
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333-9001

Tot Ion:114 Resp: 282573
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 17.3 0.0 33.8

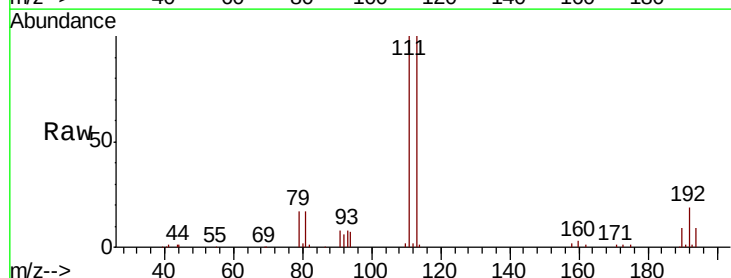


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

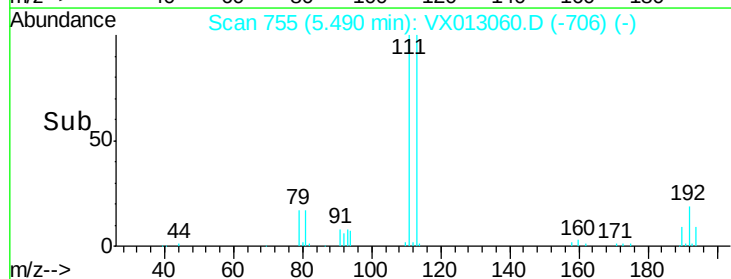
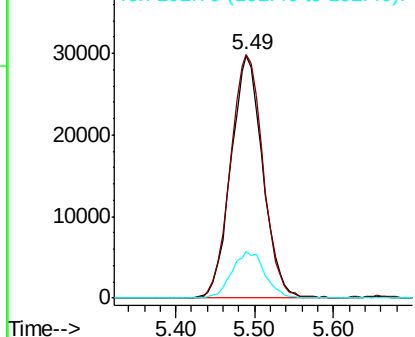


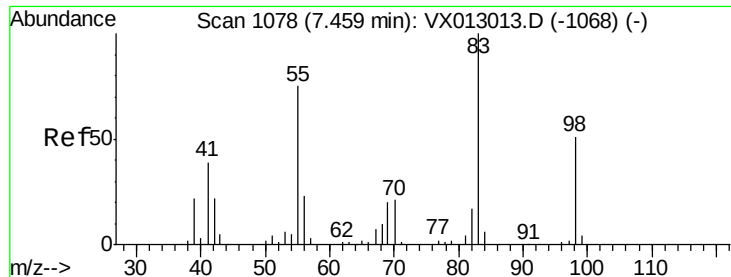
#35
Dibromofluoromethane
Concen: 51.439 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion:113 Resp: 83425
Ion Ratio Lower Upper
113 100
111 102.8 83.2 124.8
192 19.7 15.4 23.2



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

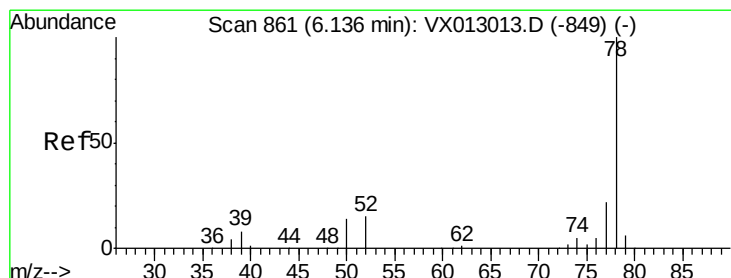
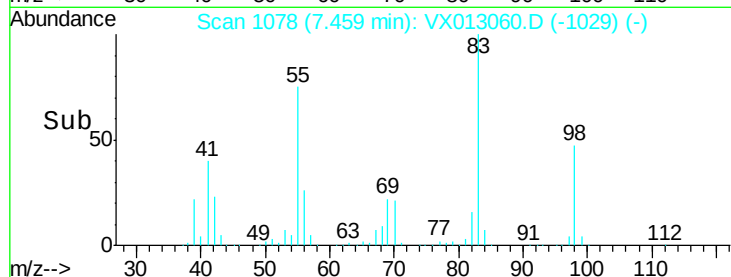
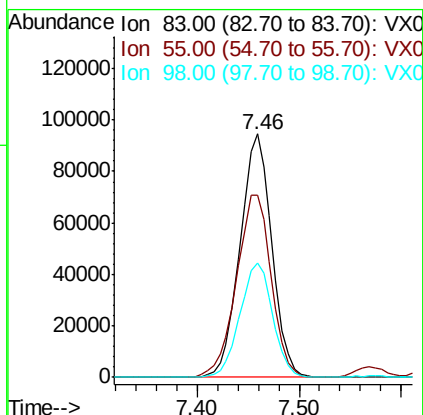
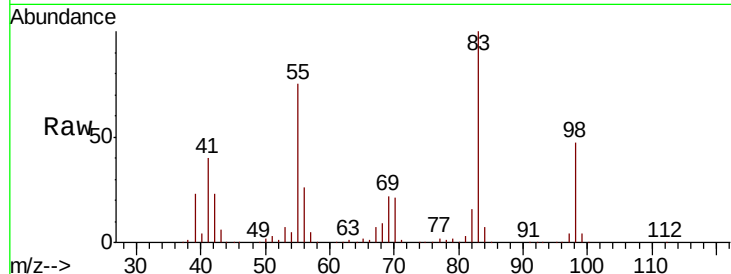




#39
Methylvlcyclohexane
Concen: 67.802 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

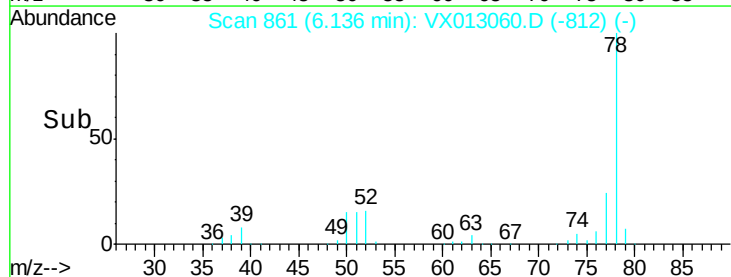
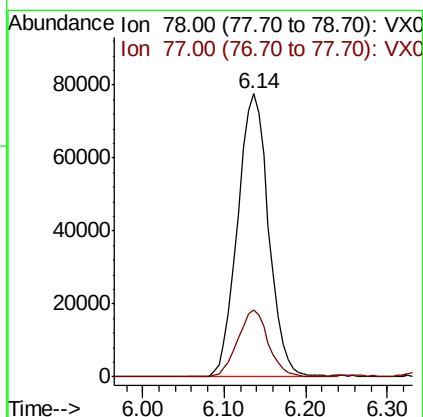
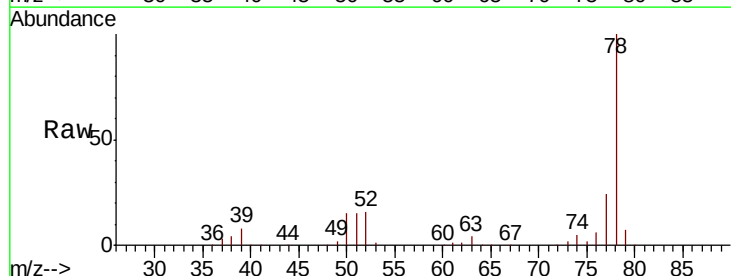
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333-9001

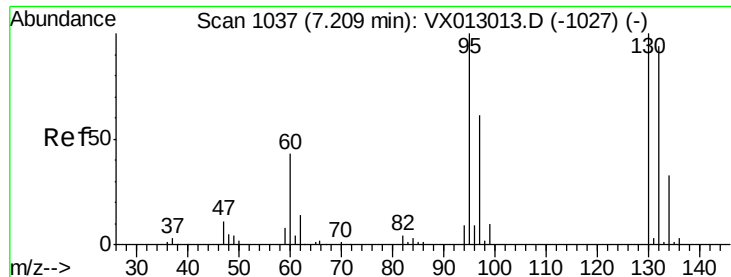
Tot Ion: 83 Resp: 204281
Ion Ratio Lower Upper
83 100
55 74.7 60.2 90.4
98 46.8 38.5 57.7



#40
Benzene
Concen: 27.916 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 78 Resp: 204840
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#44

Trichloroethene

Concen: 0.574 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

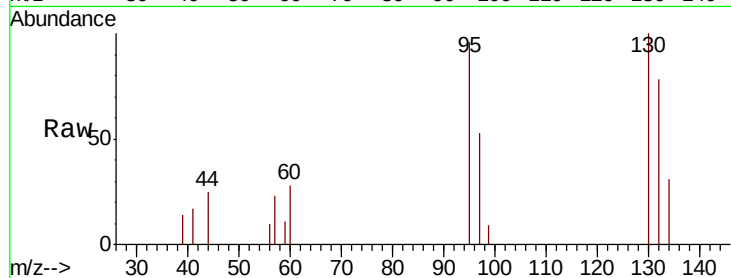
FA19-JBW7333-9001

Tot Ion:130 Resp: 1168

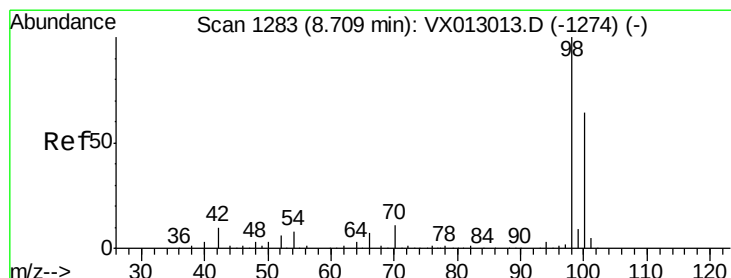
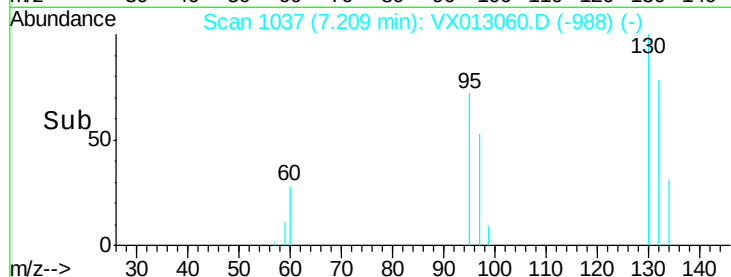
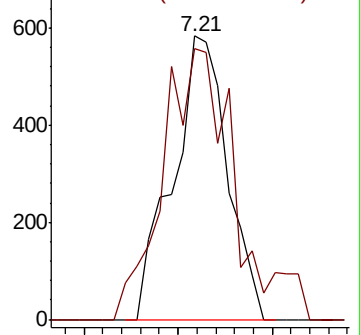
Ion Ratio Lower Upper

130 100

95 82.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V



#50

Toluene-d8

Concen: 52.407 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013060.D

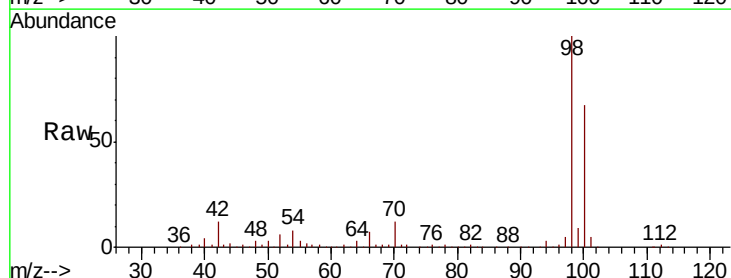
Acq: 14 Oct 2019 18:26

Tgt Ion: 98 Resp: 331502

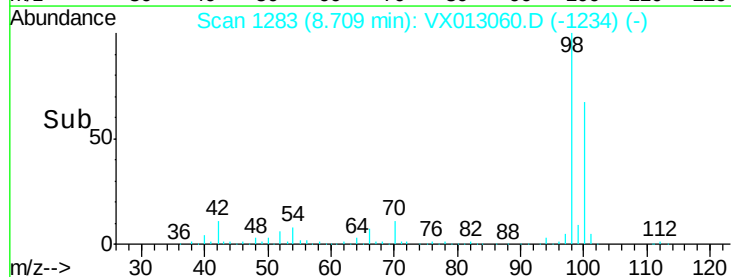
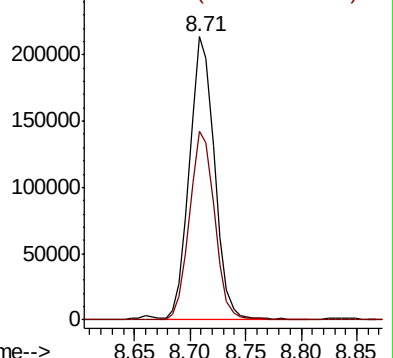
Ion Ratio Lower Upper

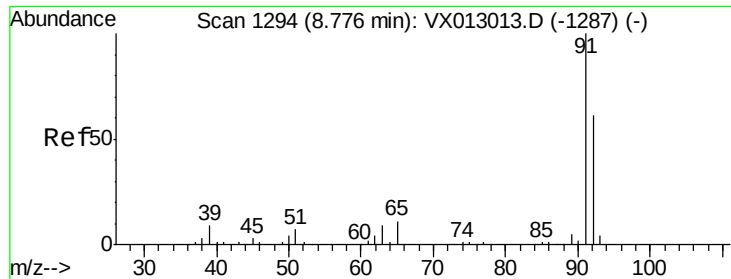
98 100

100 67.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0





#52

Toluene

Concen: 3.712 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

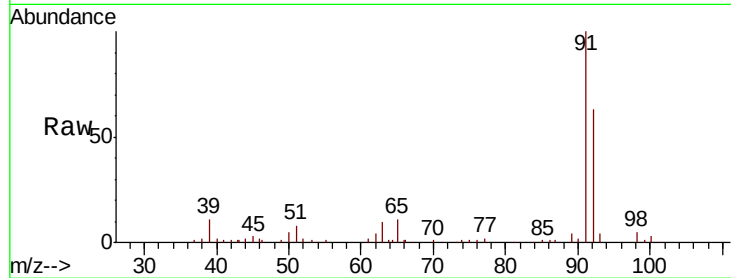
FA19-JBW7333-9001

Tot Ion: 92 Resp: 17426

Ion Ratio Lower Upper

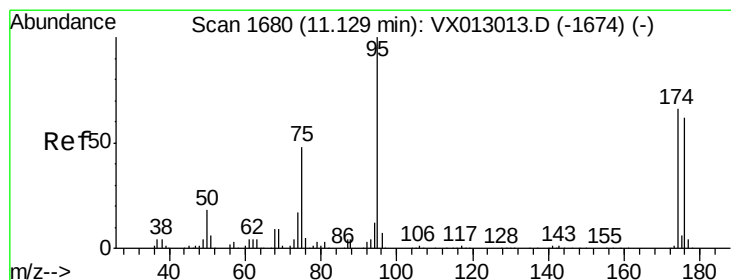
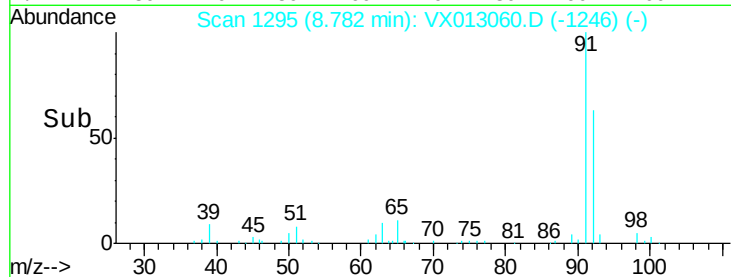
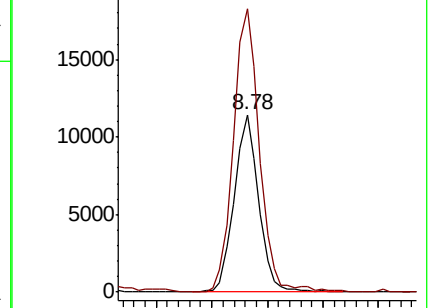
92 100

91 169.4 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.486 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

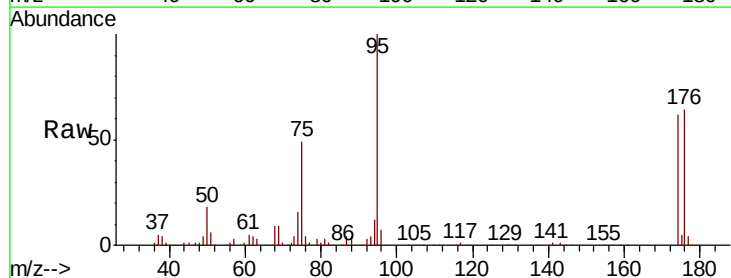
Tgt Ion: 95 Resp: 114253

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.4

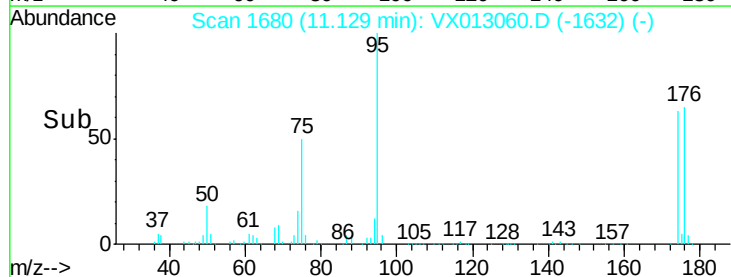
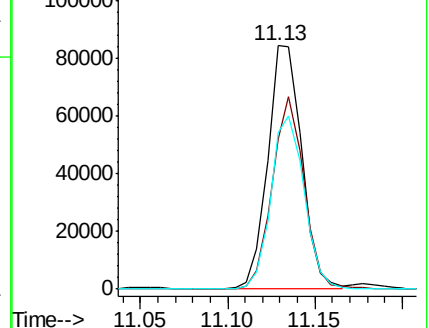
176 70.1 0.0 136.0

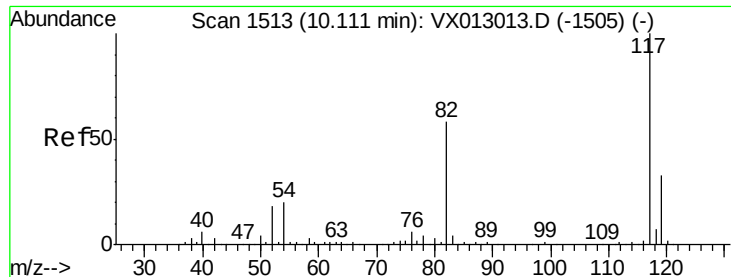


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

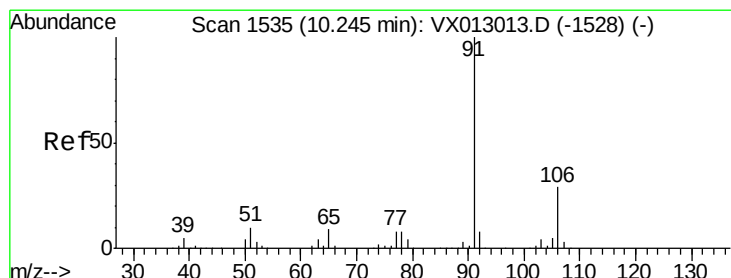
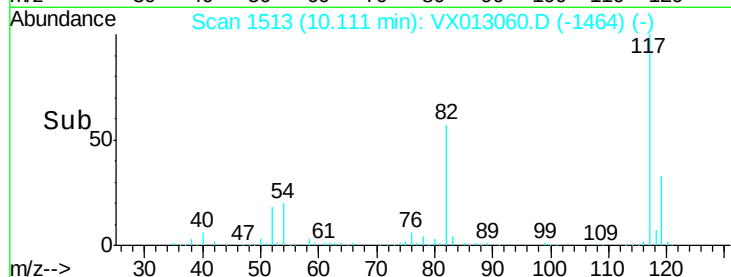
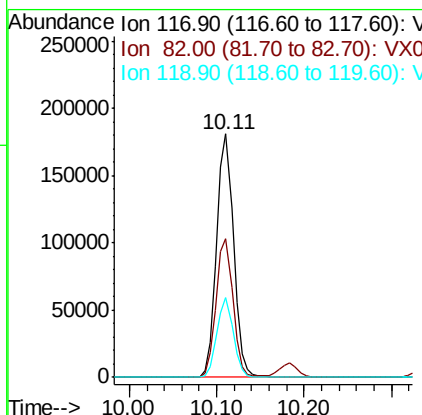
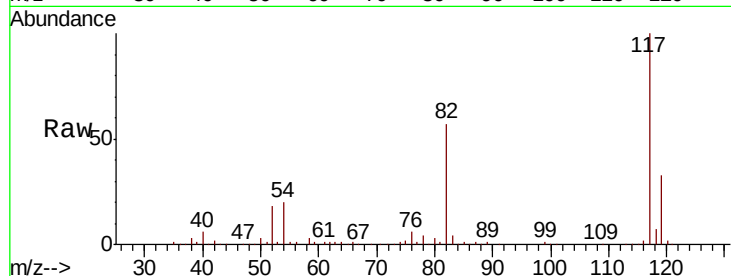




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

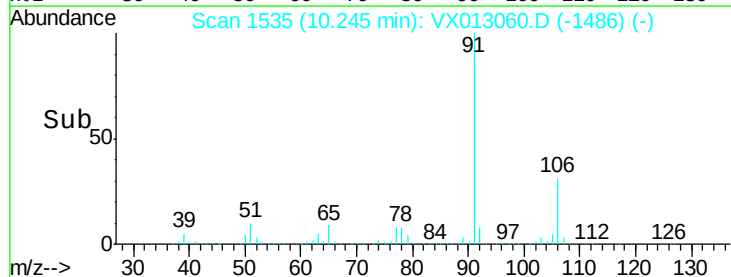
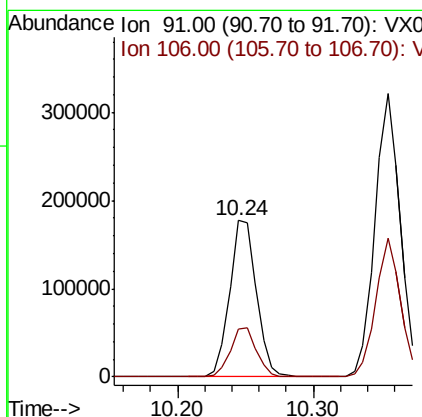
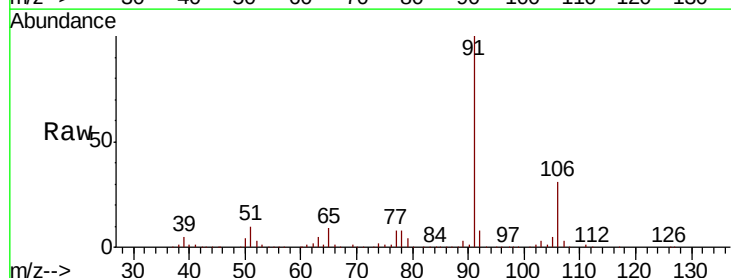
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333-9001

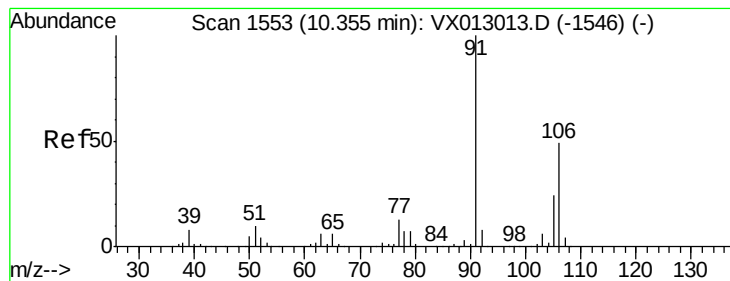
Tot Ion:117 Resp: 242881
Ion Ratio Lower Upper
117 100
82 57.1 44.1 66.1
119 32.8 25.8 38.8



#67
Ethyl Benzene
Concen: 28.367 ug/l
RT: 10.24 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX013060.D
Acq: 14 Oct 2019 18:26

Tgt Ion: 91 Resp: 243030
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9





#68

m/p-Xylenes

Concen: 62.715 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

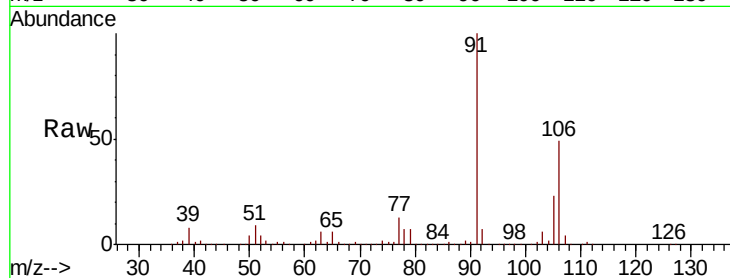
FA19-JBW7333-9001

Tot Ion:106 Resp: 200730

Ion Ratio Lower Upper

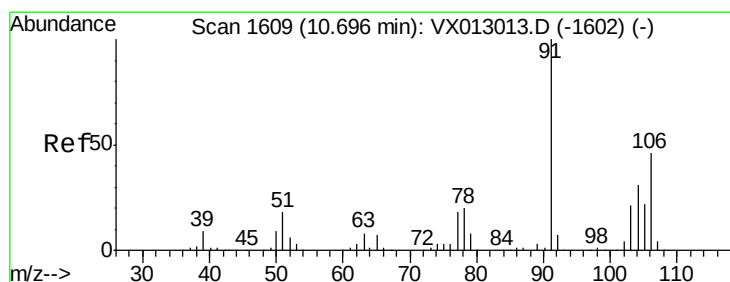
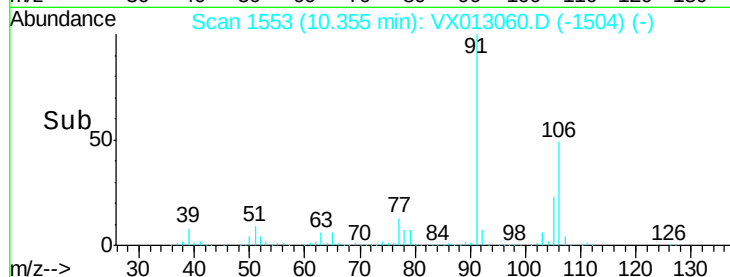
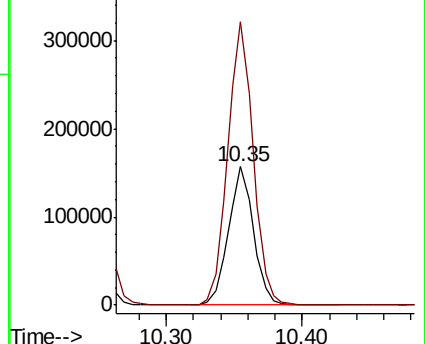
106 100

91 207.1 165.3 247.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 1.419 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. -0.00 min

Lab File: VX013060.D

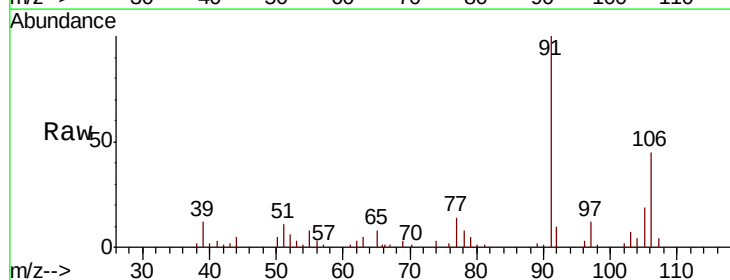
Acq: 14 Oct 2019 18:26

Tgt Ion:106 Resp: 4430

Ion Ratio Lower Upper

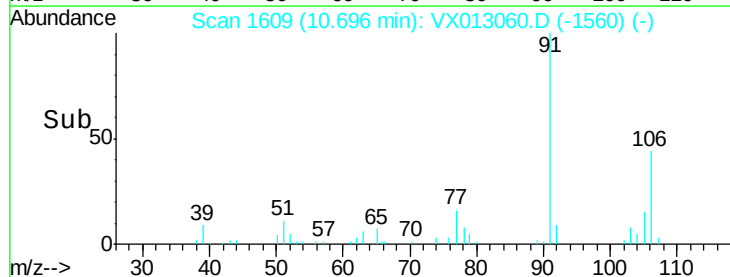
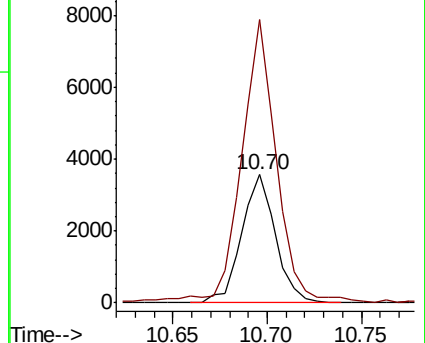
106 100

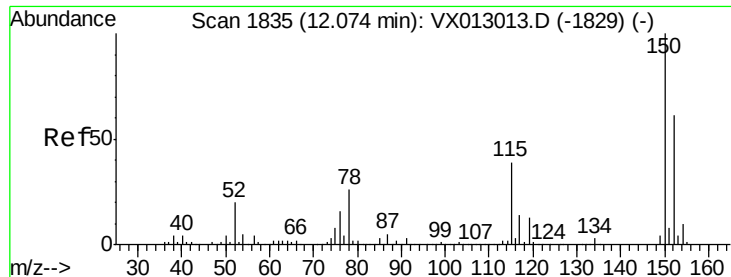
91 230.0 109.1 327.3



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: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333-9001

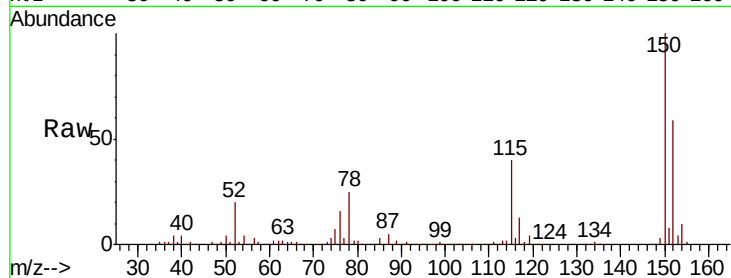
Tot Ion:152 Resp: 100553

Ion Ratio Lower Upper

152 100

115 65.5 44.5 133.5

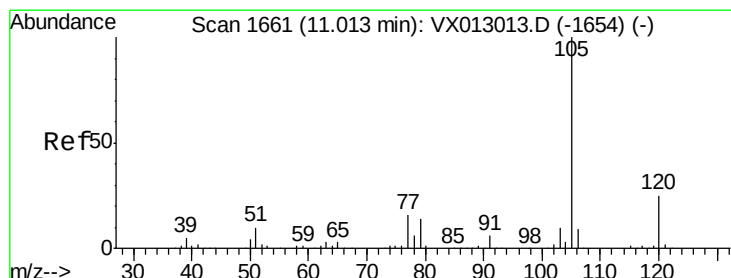
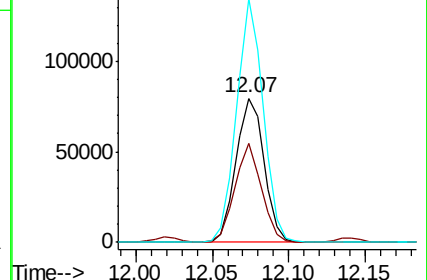
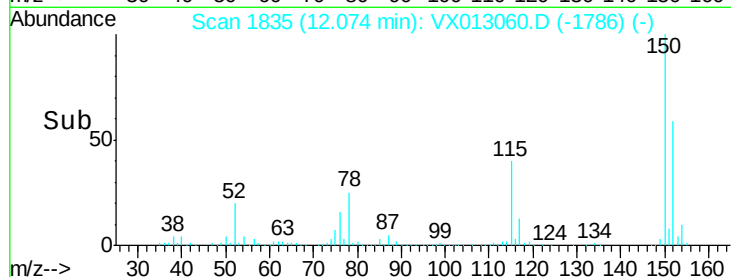
150 161.0 0.0 353.4



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: 13.503 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013060.D

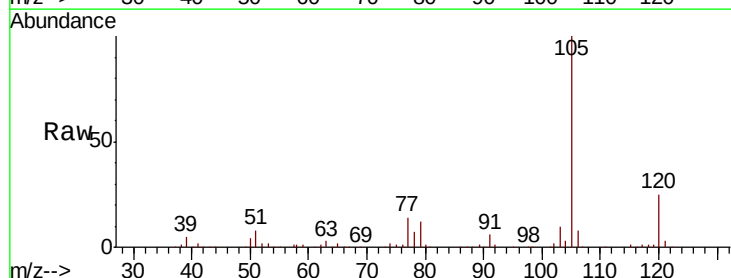
Acq: 14 Oct 2019 18:26

Tgt Ion:105 Resp: 99826

Ion Ratio Lower Upper

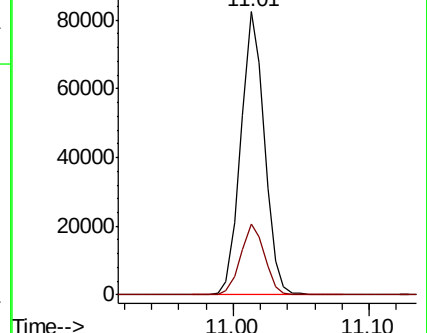
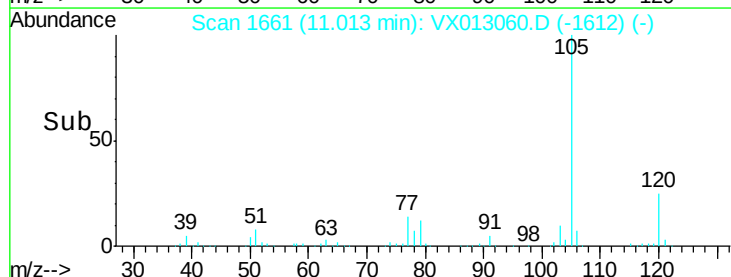
105 100

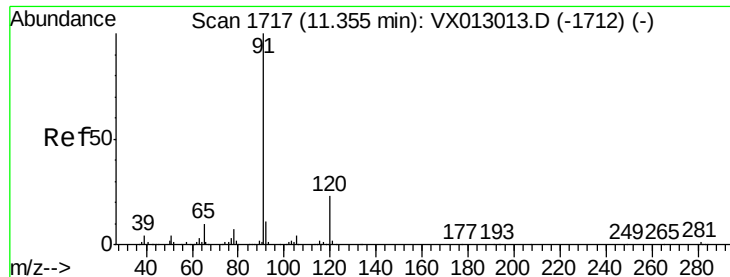
120 25.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.853 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

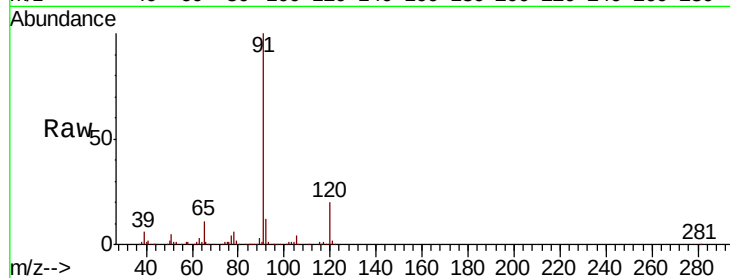
FA19-JBW7333-9001

Tot Ion: 91 Resp: 120825

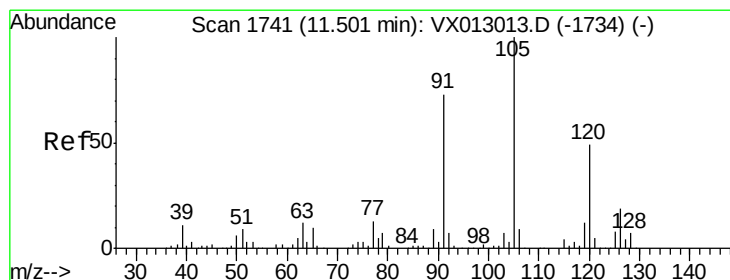
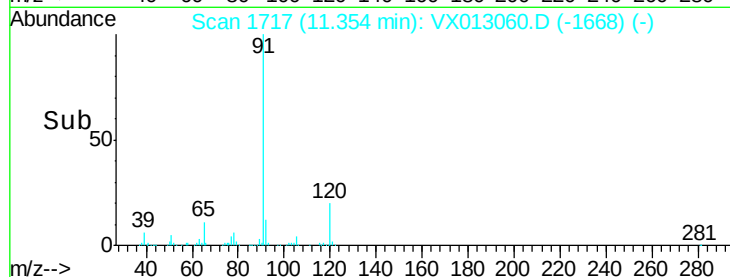
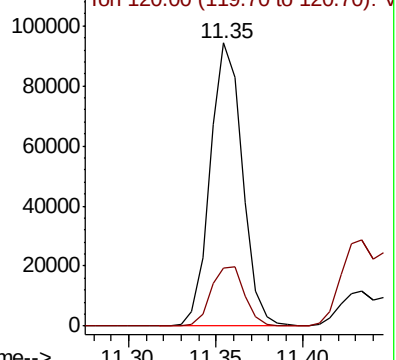
Ion Ratio Lower Upper

91 100

120 22.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX013013.D (-1712) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.119 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013060.D

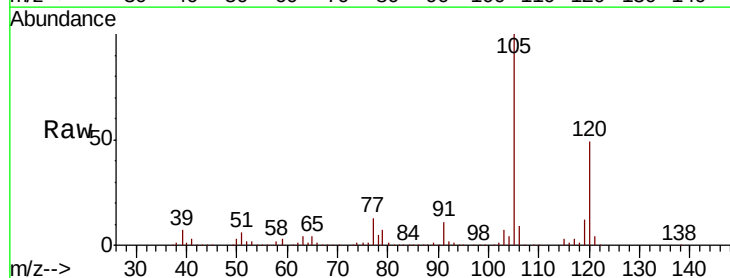
Acq: 14 Oct 2019 18:26

Tgt Ion: 105 Resp: 105676

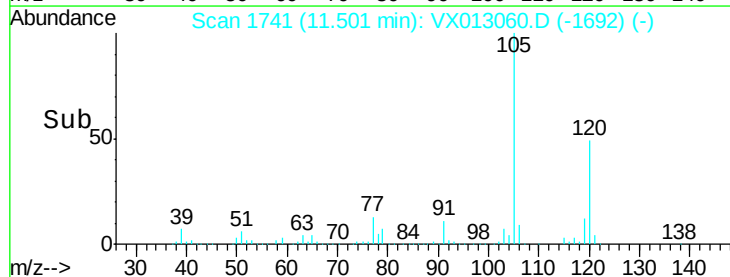
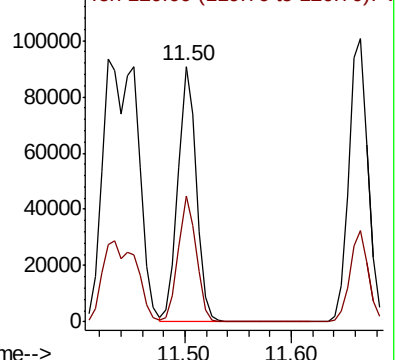
Ion Ratio Lower Upper

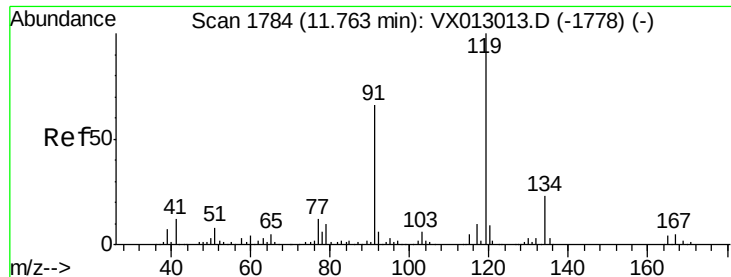
105 100

120 48.5 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VX013013.D (-1734) (-)

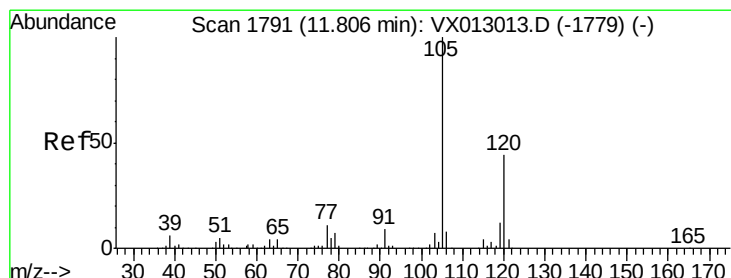
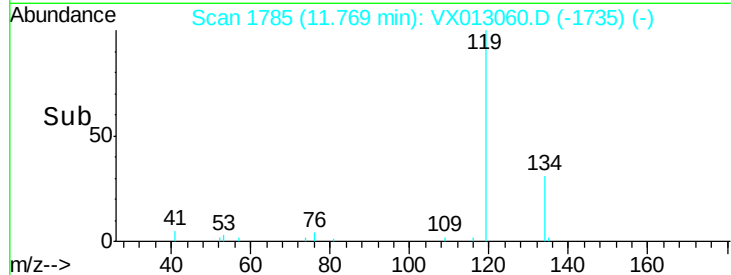
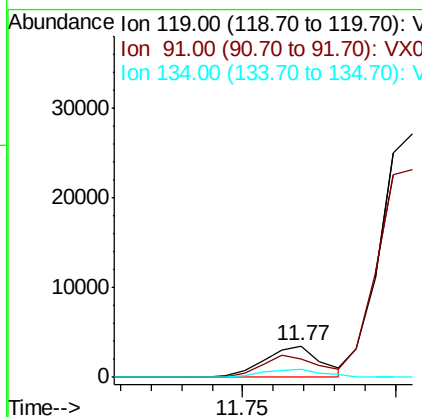
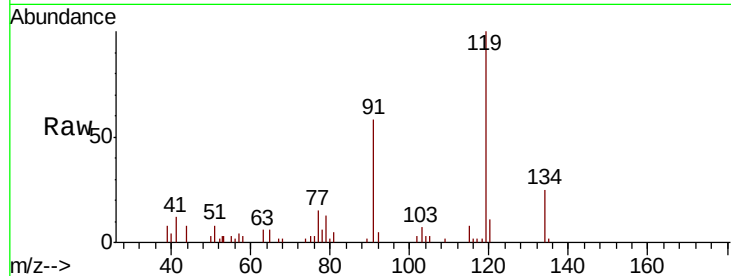




#83
 tert-Butylbenzene
 Concen: 0.737 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

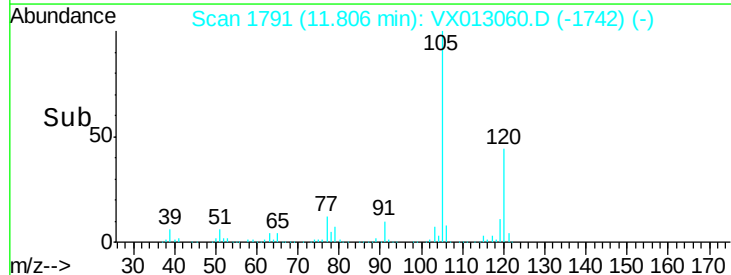
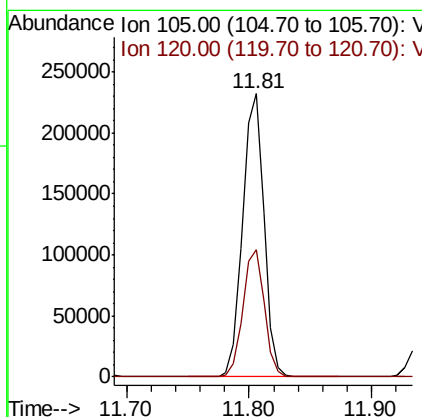
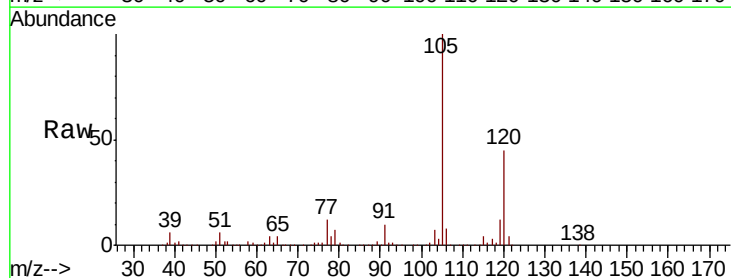
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333-9001

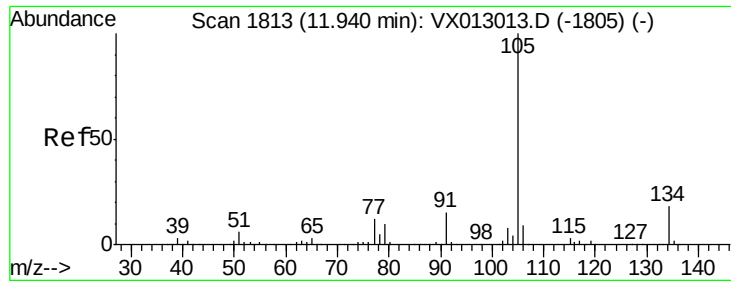
Tot Ion:119 Resp: 4441
 Ion Ratio Lower Upper
 119 100
 91 72.9 29.3 87.9
 134 26.4 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 44.630 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion:105 Resp: 279021
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.8 65.3

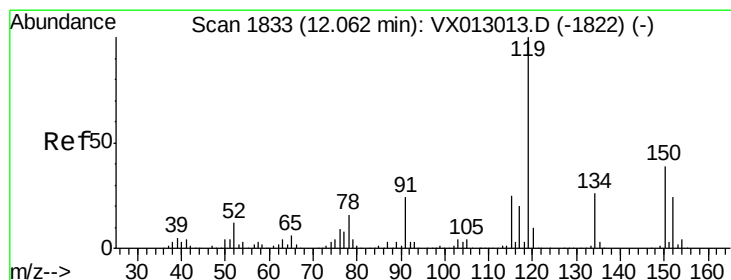
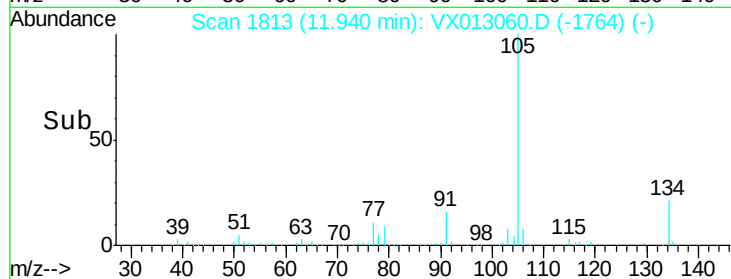
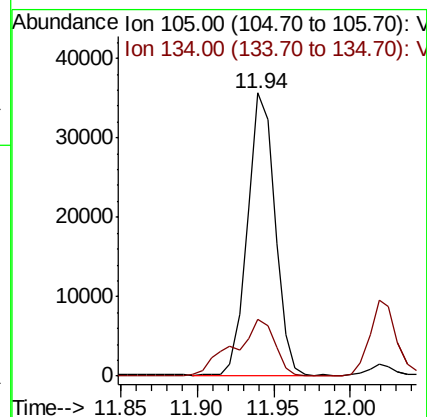
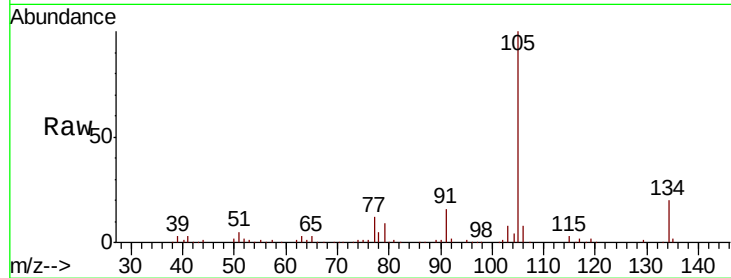




#85
 sec-Butylbenzene
 Concen: 6.343 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

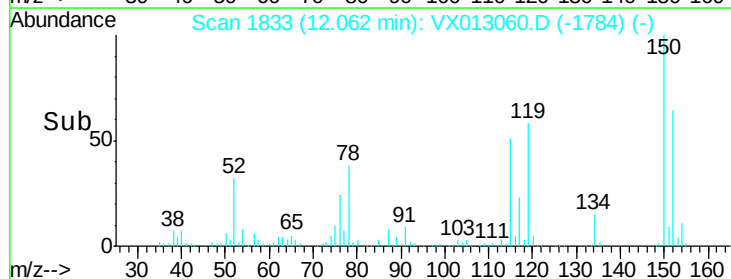
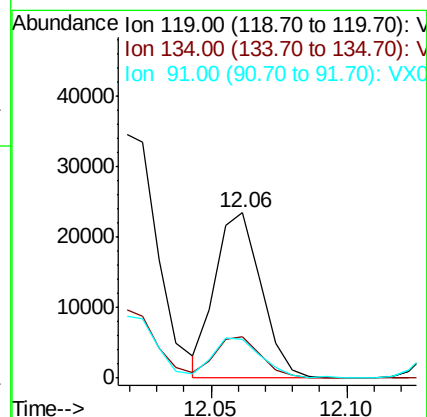
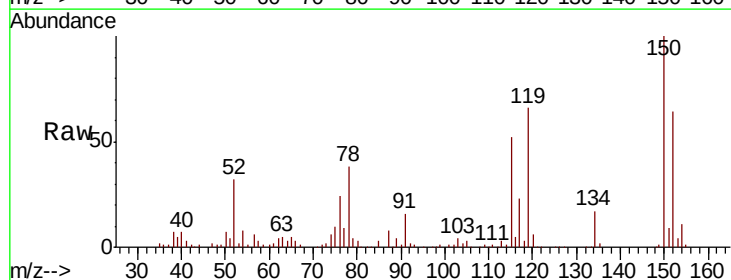
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333-9001

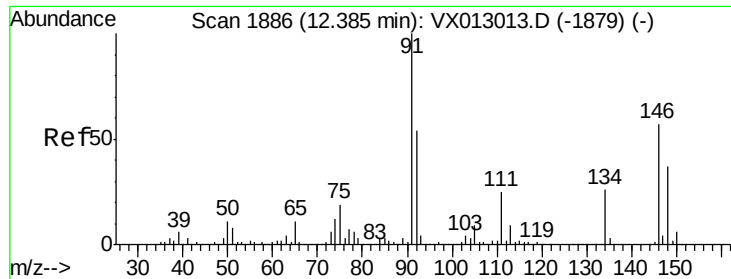
Tot Ion:105 Resp: 44254
 Ion Ratio Lower Upper
 105 100
 134 30.1 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 4.268 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013060.D
 Acq: 14 Oct 2019 18:26

Tgt Ion:119 Resp: 27617
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.6 37.8
 91 25.1 12.4 37.4





#89

n-Butylbenzene

Concen: 4.374 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333-9001

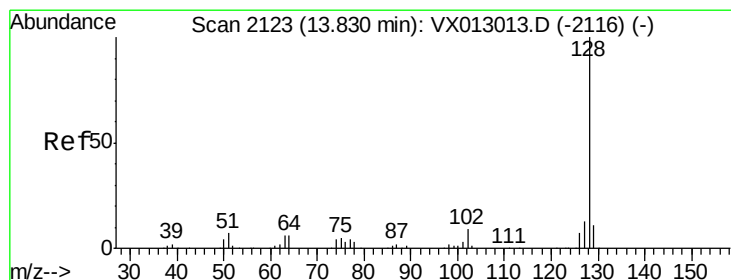
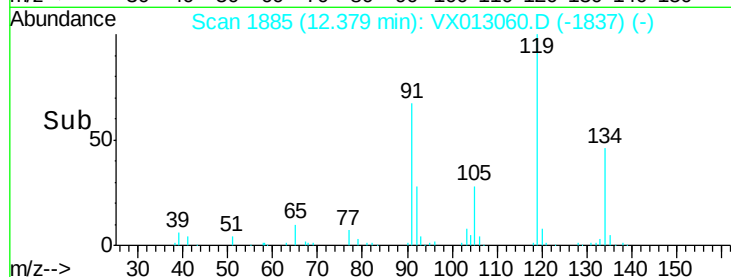
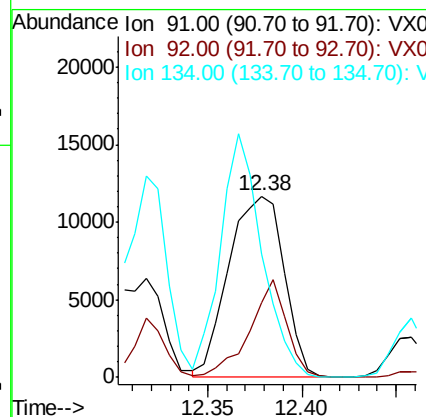
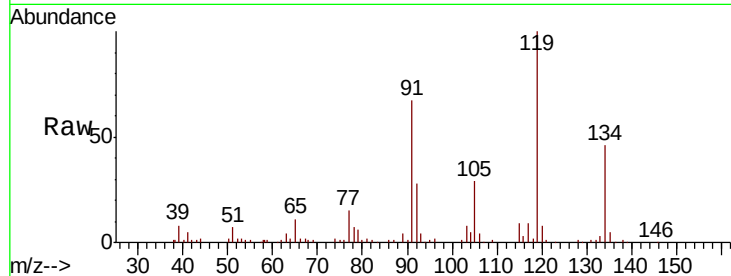
Tot Ion: 91 Resp: 23788

Ion Ratio Lower Upper

91 100

92 36.2 27.5 82.5

134 100.8 12.9 38.7#



#95

Naphthalene

Concen: 3.663 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013060.D

Acq: 14 Oct 2019 18:26

Tgt Ion: 128 Resp: 25230

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.4

129 15.4 8.8 13.2#

