

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX053119\
 Data File : VX009981.D
 Acq On : 31 May 2019 13:11
 Operator : JC/SP
 Sample : K2964-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 51030

Quant Time: May 31 14:06:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 28 13:02:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	178310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285242	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	247923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	101378	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	114626	45.51	ug/l	0.00
Spiked Amount			Recovery	=	91.02%	
35) Dibromofluoromethane	5.50	113	84568	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	358828	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	11.13	95	113578	43.42	ug/l	0.00
Spiked Amount			Recovery	=	86.84%	

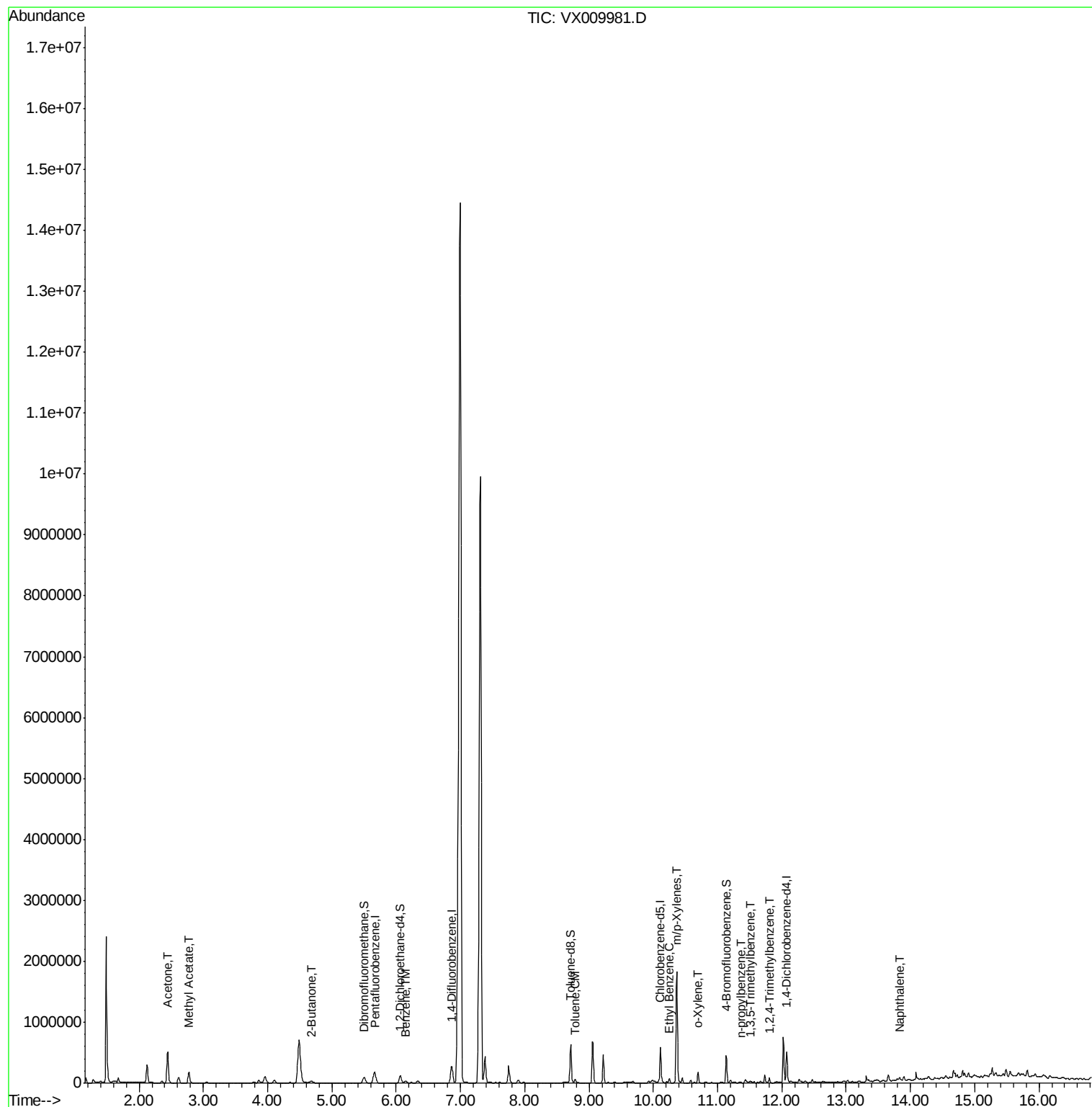
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	559122	384.199	ug/l	97
18) Methyl Acetate	2.78	43	226284	66.824	ug/l	97
25) 2-Butanone	4.68	43	60516	26.690	ug/l	92
40) Benzene	6.14	78	31148	3.628	ug/l	98
52) Toluene	8.79	92	18868	3.620	ug/l	97
67) Ethyl Benzene	10.25	91	41950	4.501	ug/l	97
68) m/p-Xylenes	10.35	106	81322	23.620	ug/l	100
69) o-Xylene	10.69	106	37586	11.383	ug/l	100
78) n-propylbenzene	11.36	91	7509	0.871	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	10522	1.670	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	29580	4.622	ug/l	97
95) Naphthalene	13.83	128	33876	4.553	ug/l	96

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

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Quant Time: May 31 14:06:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Tue May 28 13:02:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

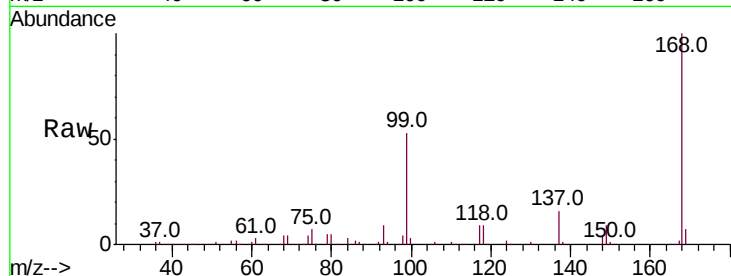
51030

Tot Ion:168 Resp: 178310

Ion Ratio Lower Upper

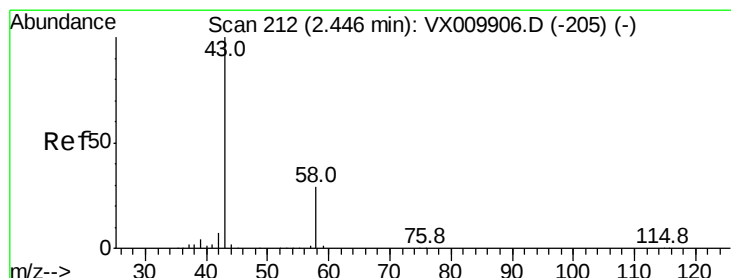
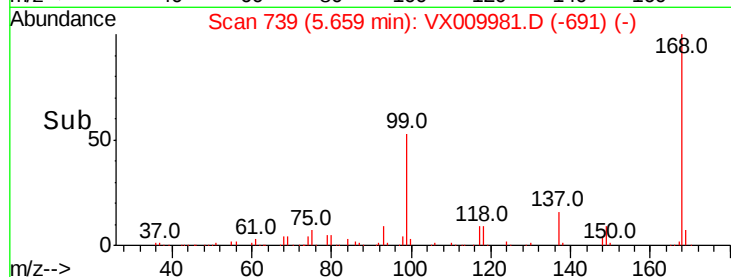
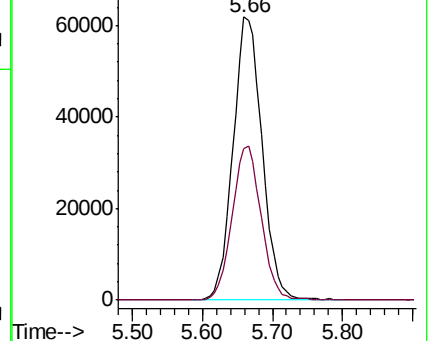
168 100

99 53.3 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: 384.199 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009981.D

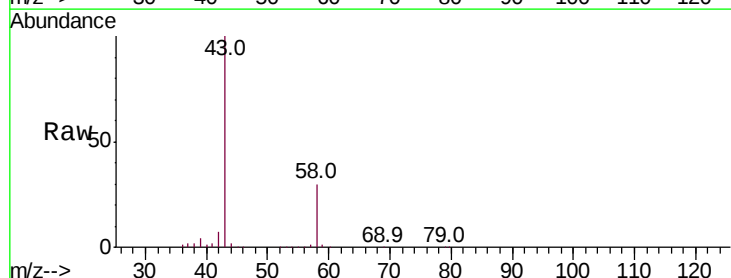
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 559122

Ion Ratio Lower Upper

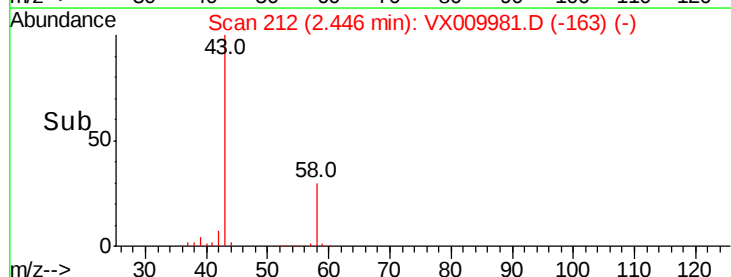
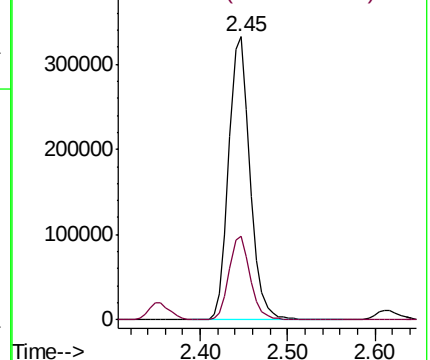
43 100

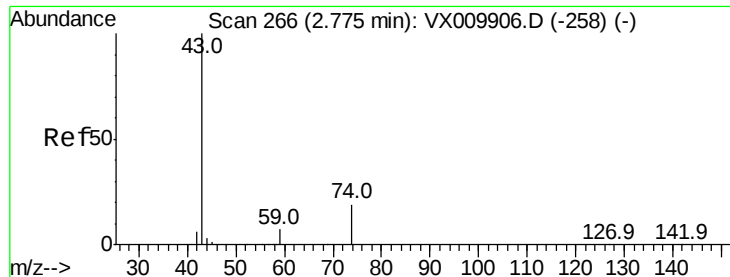
58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methvl Acetate

Concen: 66.824 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

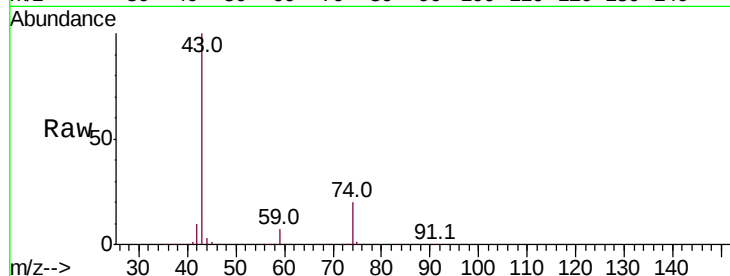
51030

Tot Ion: 43 Resp: 226284

Ion Ratio Lower Upper

43 100

74 19.1 16.2 24.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

150000

100000

50000

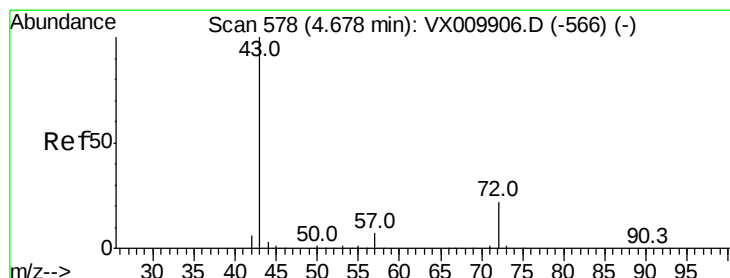
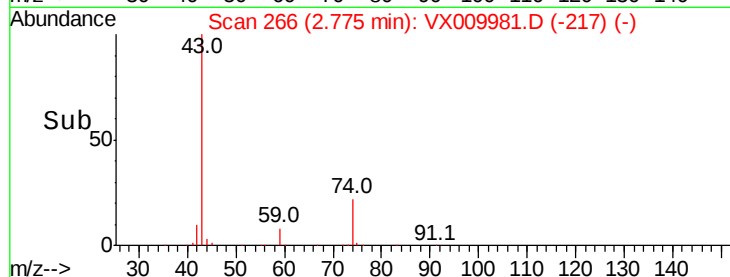
0

Time-->

2.70

2.80

2.90



#25

2-Butanone

Concen: 26.690 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009981.D

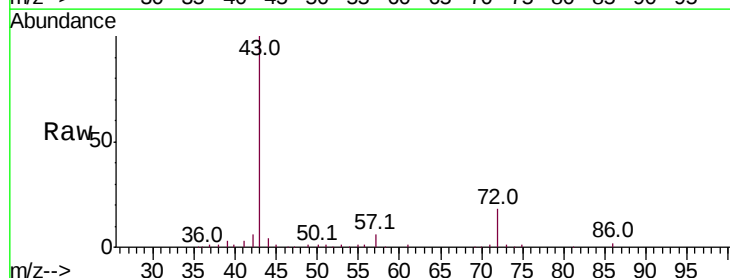
Acq: 31 May 2019 13:11

Tgt Ion: 43 Resp: 60516

Ion Ratio Lower Upper

43 100

72 19.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

25000

20000

15000

10000

5000

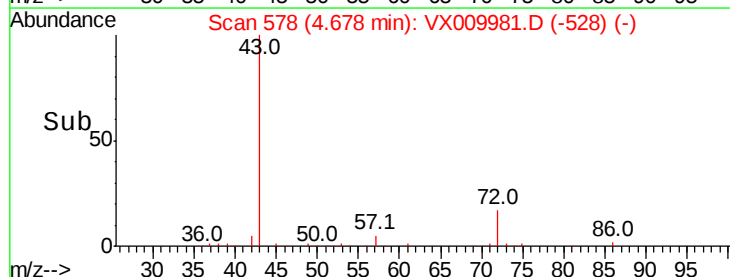
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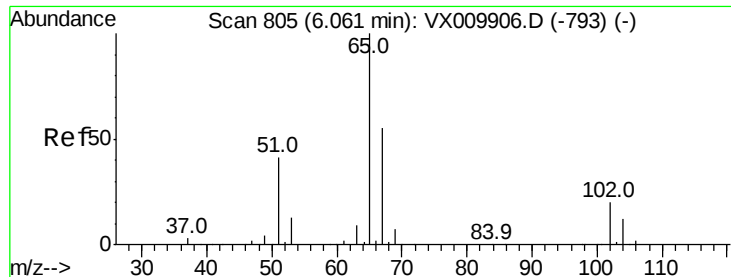
Time-->

4.60

4.70

4.80





#33

1,2-Dichloroethane-d4

Concen: 45.508 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

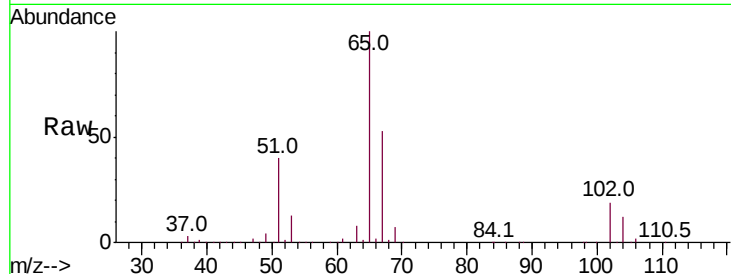
51030

Tot Ion: 65 Resp: 114626

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

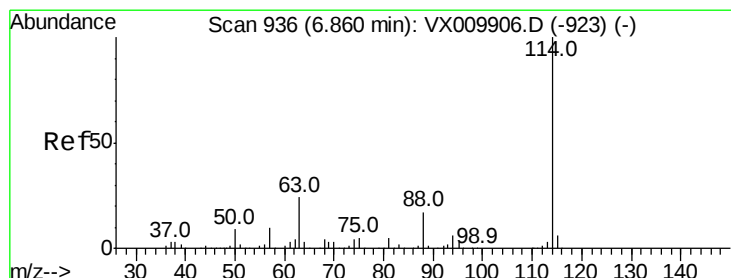
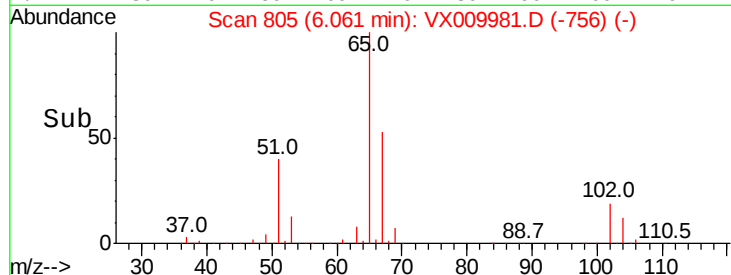
20000

10000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

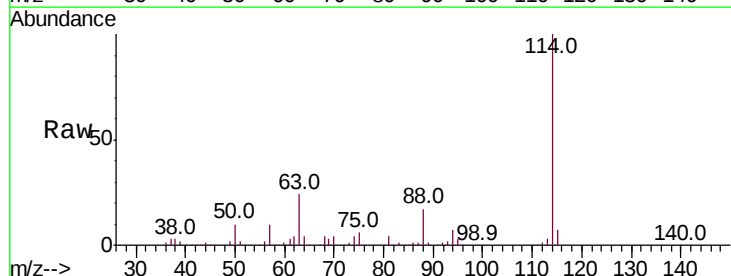
Tgt Ion: 114 Resp: 285242

Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.6

88 16.6 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

200000

150000

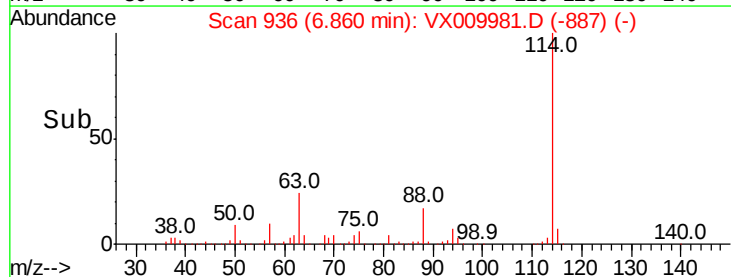
100000

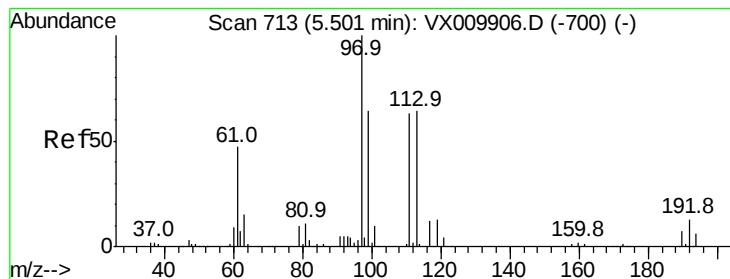
50000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.157 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

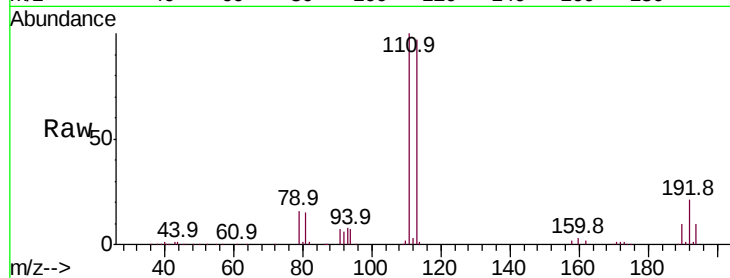
Tot Ion:113 Resp: 84568

Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

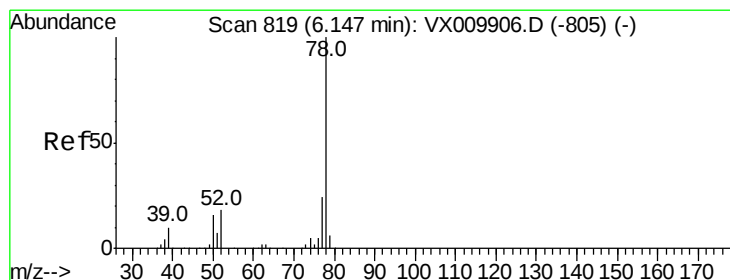
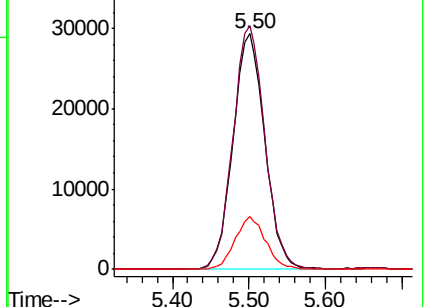
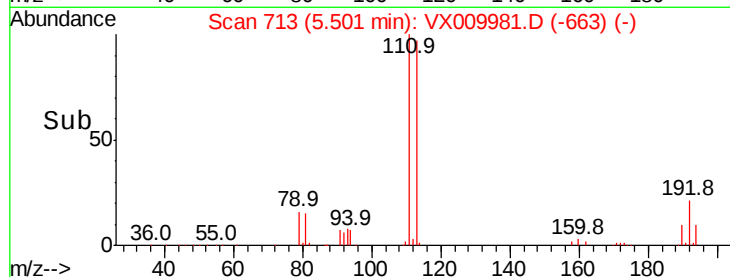
192 21.3 17.0 25.6



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



#40

Benzene

Concen: 3.628 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX009981.D

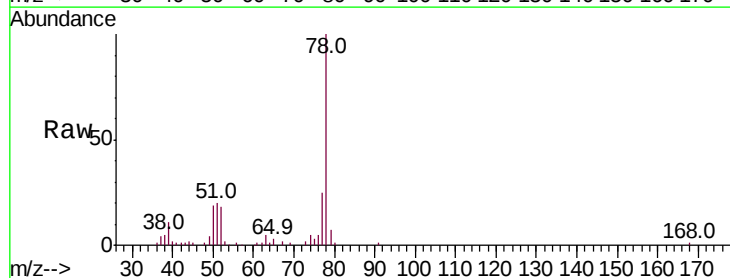
Acq: 31 May 2019 13:11

Tgt Ion: 78 Resp: 31148

Ion Ratio Lower Upper

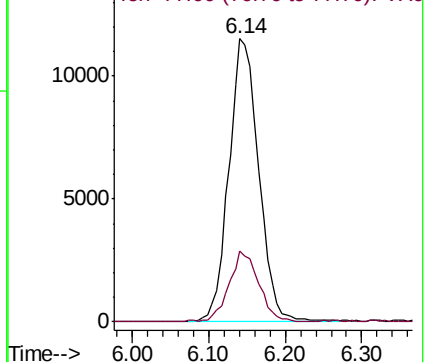
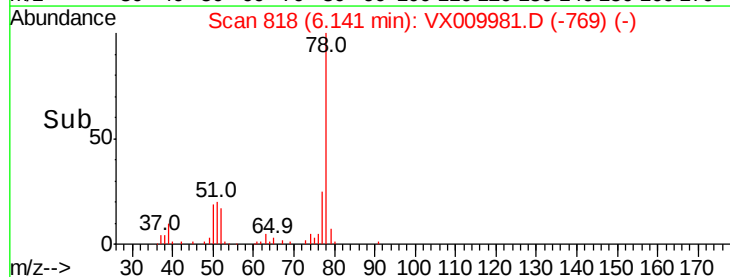
78 100

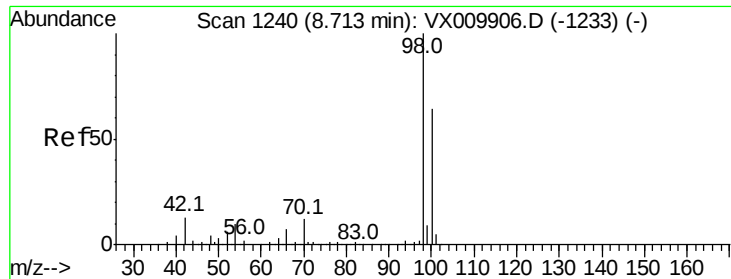
77 24.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.274 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

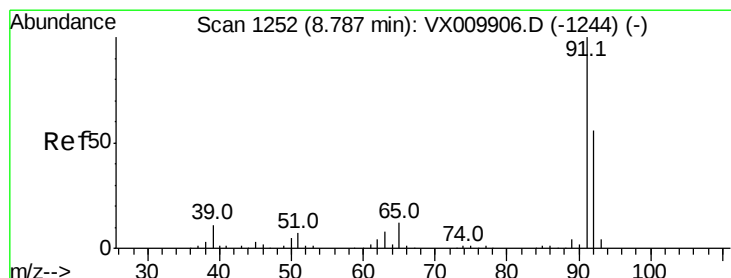
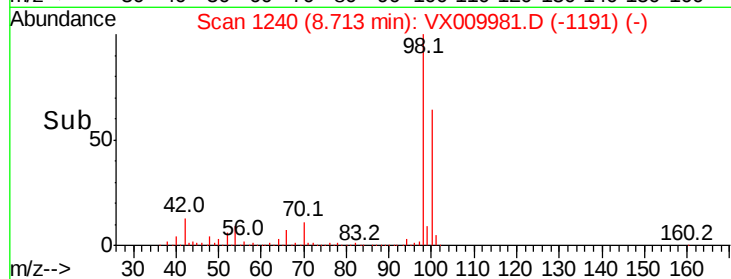
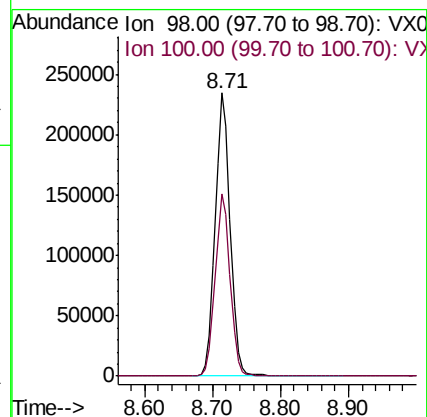
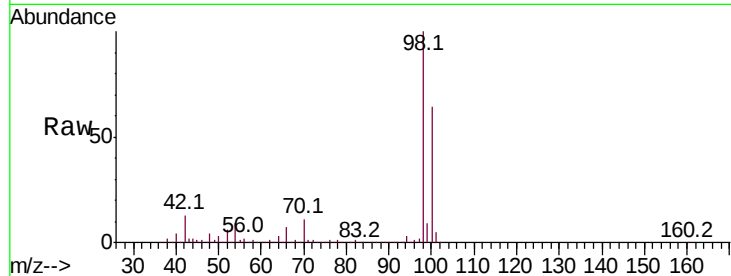
51030

Tot Ion: 98 Resp: 358828

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



#52

Toluene

Concen: 3.620 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX009981.D

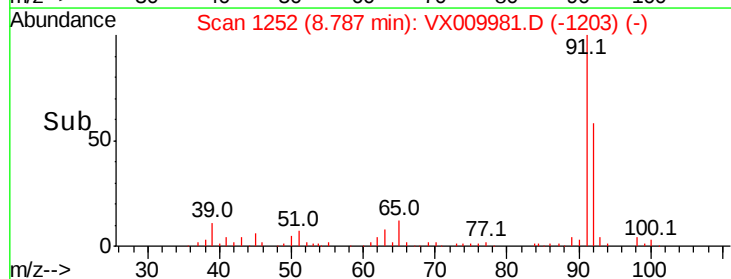
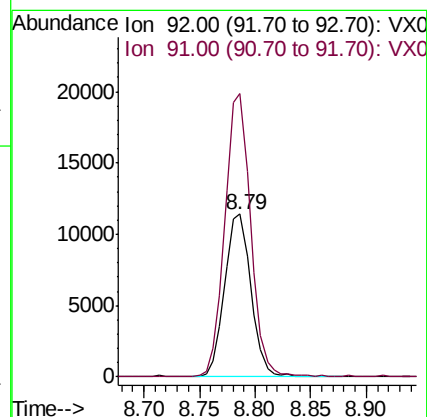
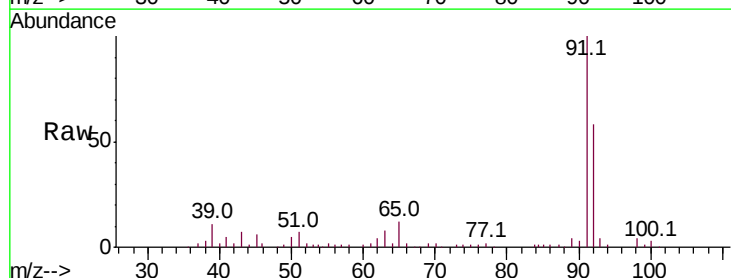
Acq: 31 May 2019 13:11

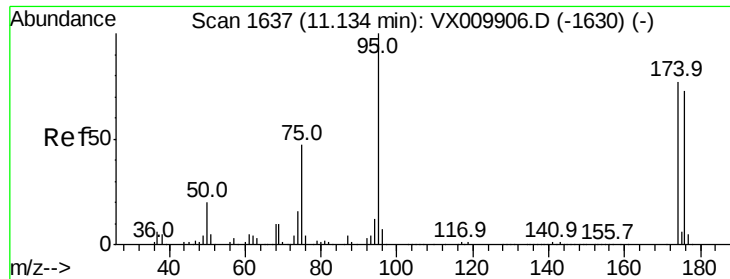
Tgt Ion: 92 Resp: 18868

Ion Ratio Lower Upper

92 100

91 169.2 138.8 208.2





#62

4-Bromofluorobenzene

Concen: 43.422 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

51030

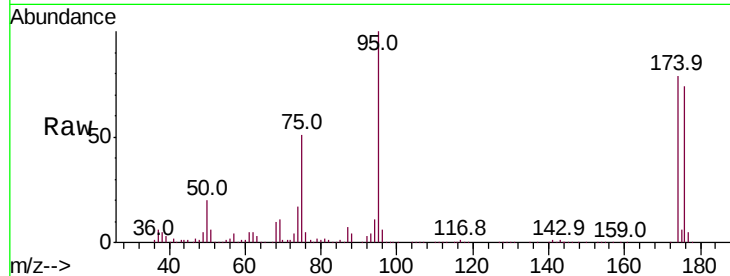
Tot Ion: 95 Resp: 113578

Ion Ratio Lower Upper

95 100

174 83.1 0.0 161.6

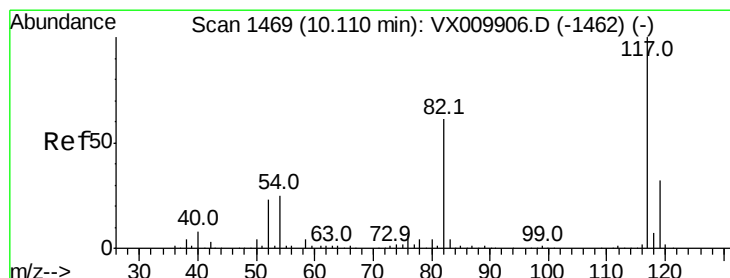
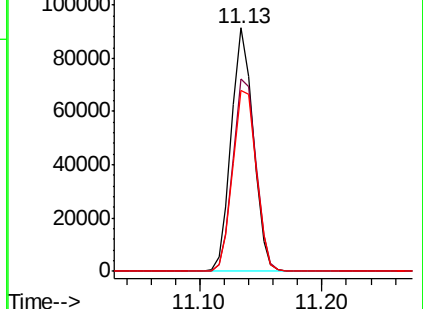
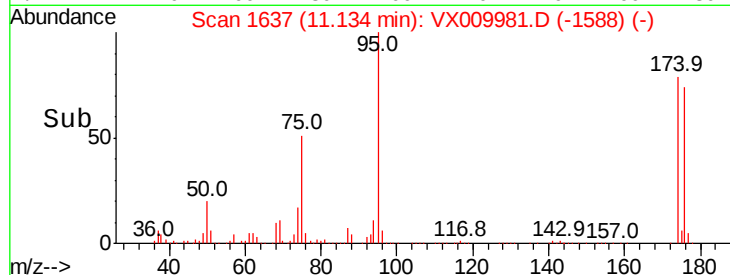
176 79.7 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009981.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009981.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009981.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

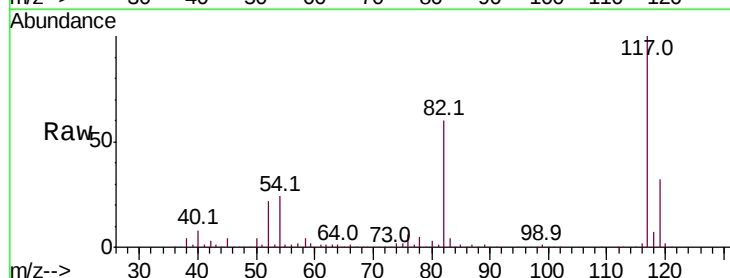
Tgt Ion: 117 Resp: 247923

Ion Ratio Lower Upper

117 100

82 59.8 48.8 73.2

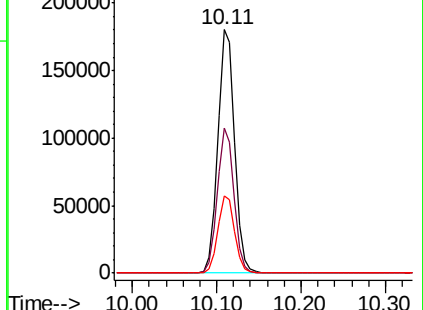
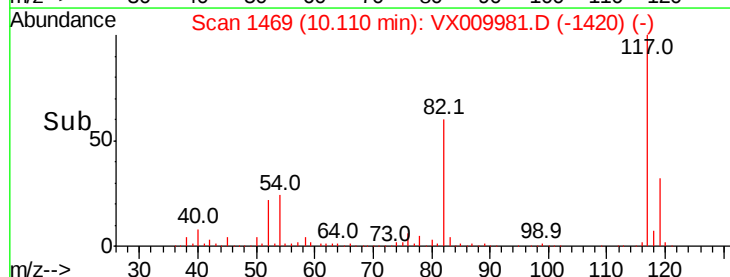
119 31.9 25.8 38.6

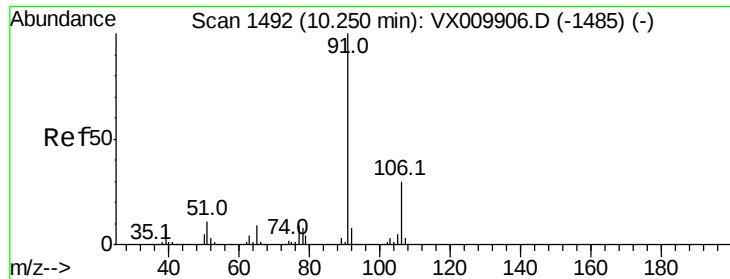


Abundance Ion 116.90 (116.60 to 117.60): VX009981.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009981.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009981.D (-1420) (-)





#67

Ethyl Benzene

Concen: 4.501 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampled :

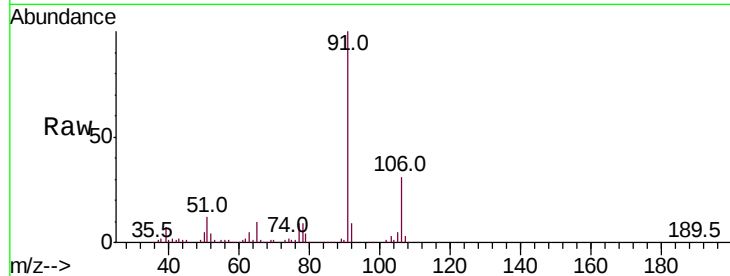
51030

Tot Ion: 91 Resp: 41950

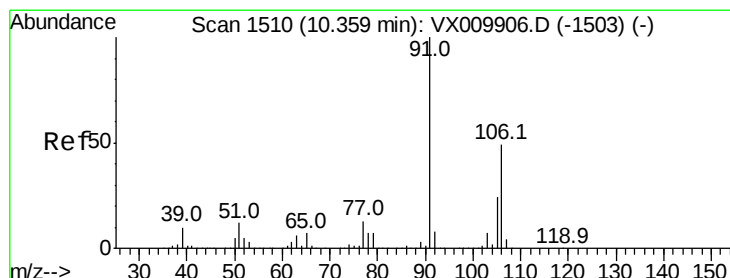
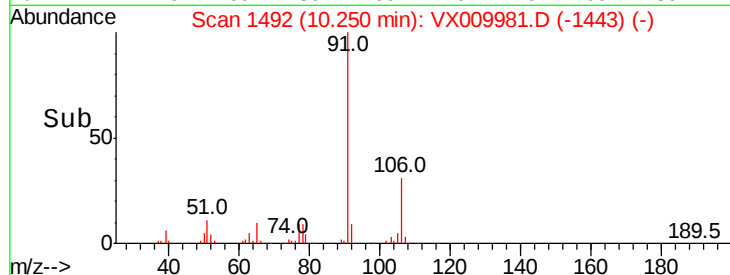
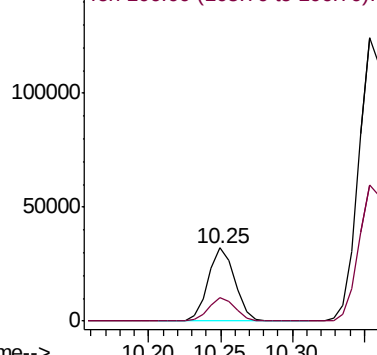
Ion Ratio Lower Upper

91 100

106 31.5 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009981.D (-1443) (-)



#68

m/p-Xylenes

Concen: 23.620 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX009981.D

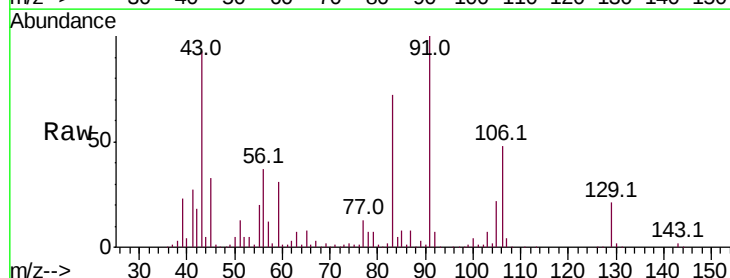
Acq: 31 May 2019 13:11

Tgt Ion:106 Resp: 81322

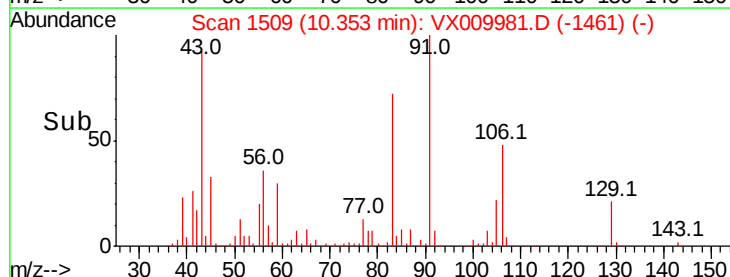
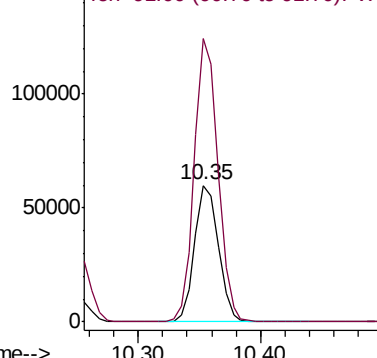
Ion Ratio Lower Upper

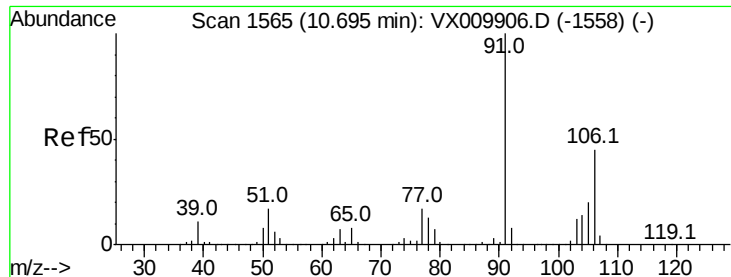
106 100

91 205.1 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009981.D (-1461) (-)

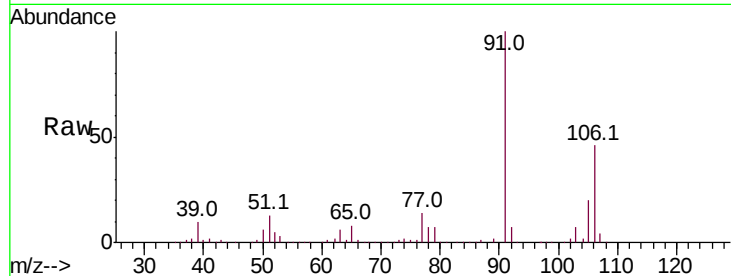




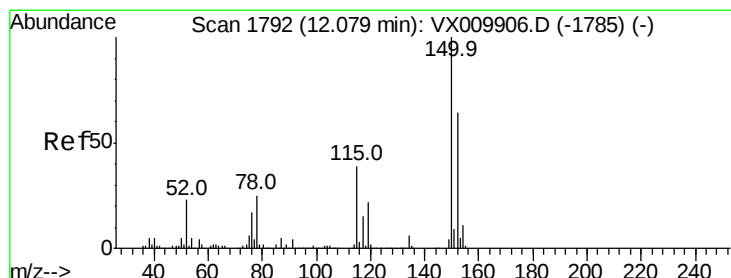
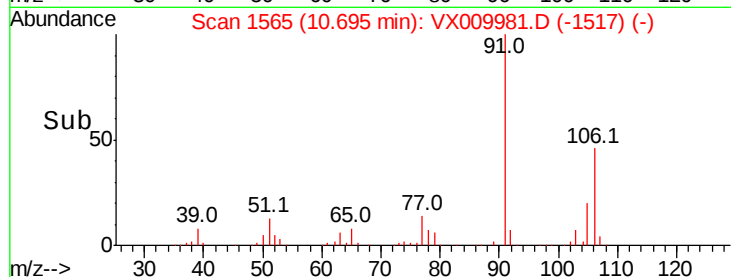
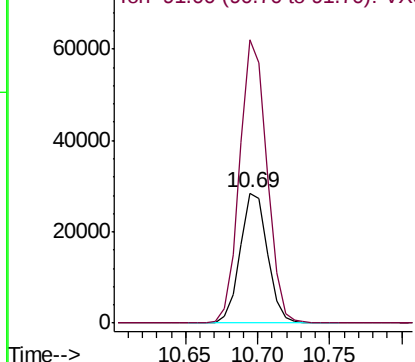
#69
o-Xylene
Concen: 11.383 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Instrument :
MSVOA_X
ClientSampleId :
51030

Tot Ion:106 Resp: 37586
Ion Ratio Lower Upper
106 100
91 218.3 109.5 328.4

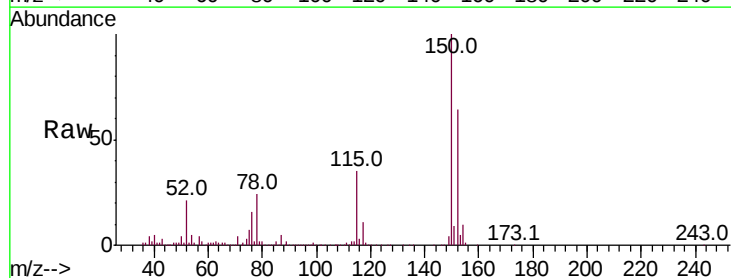


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

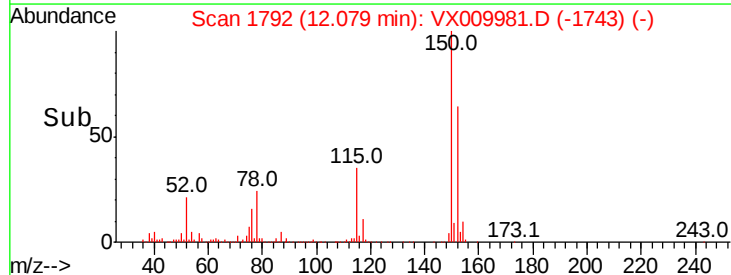
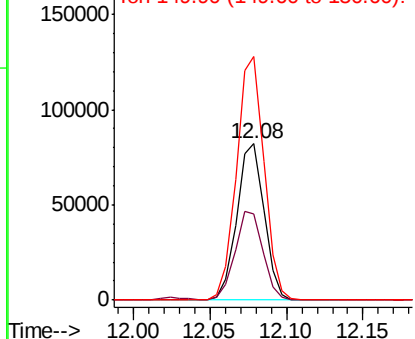


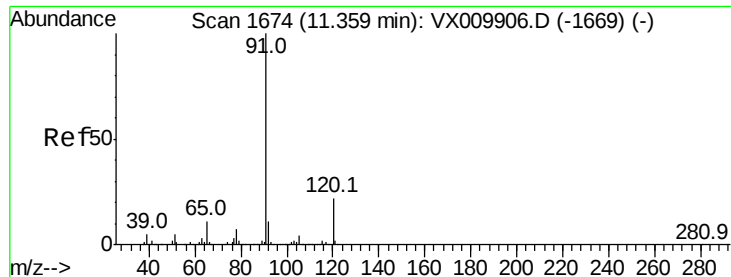
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009981.D
Acq: 31 May 2019 13:11

Tgt Ion:152 Resp: 101378
Ion Ratio Lower Upper
152 100
115 57.9 41.2 123.6
150 157.2 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





#78

n-propylbenzene

Concen: 0.871 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009981.D

Acq: 31 May 2019 13:11

Instrument :

MSVOA_X

ClientSampleId :

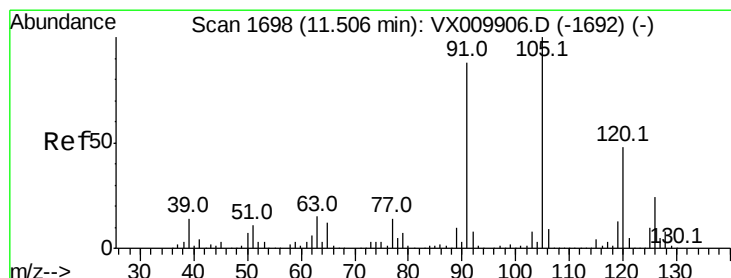
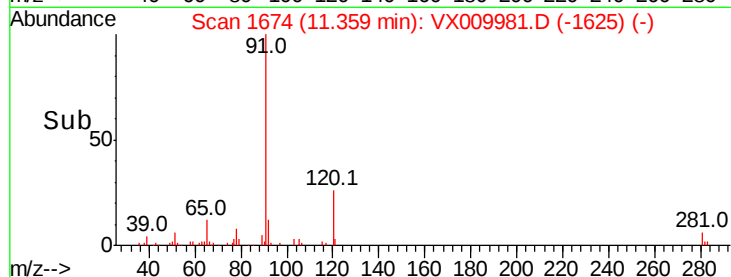
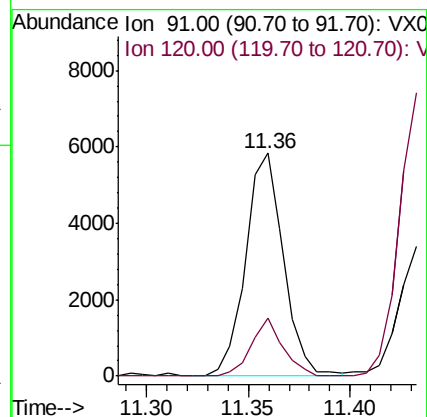
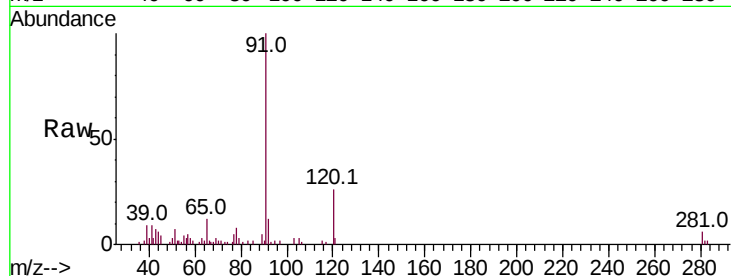
51030

Tot Ion: 91 Resp: 7509

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 1.670 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009981.D

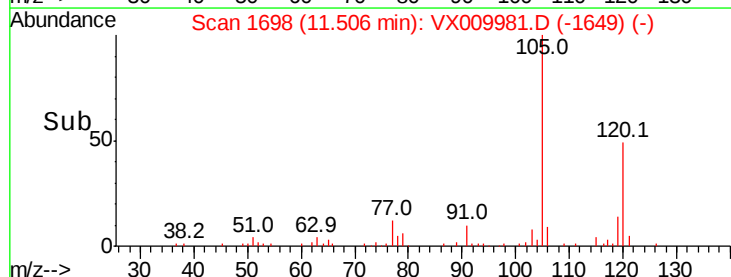
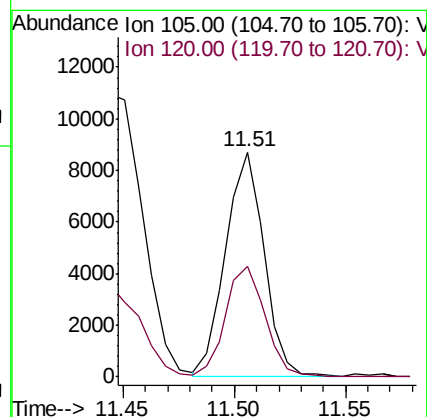
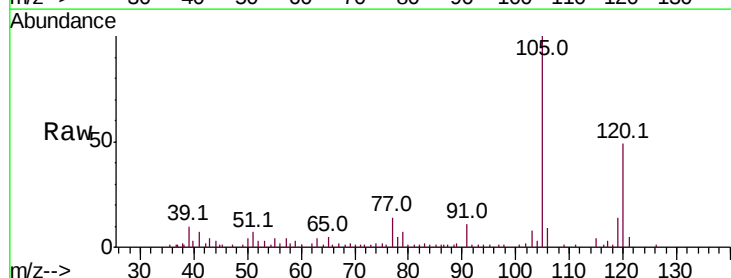
Acq: 31 May 2019 13:11

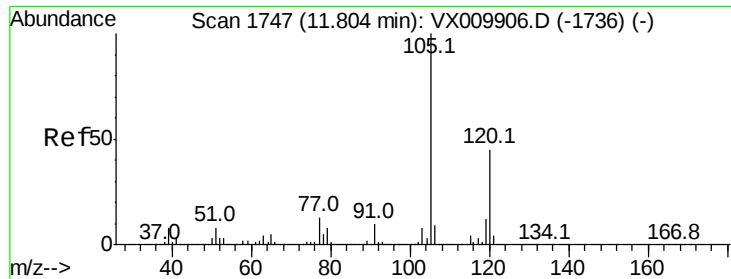
Tgt Ion:105 Resp: 10522

Ion Ratio Lower Upper

105 100

120 50.6 24.3 72.9

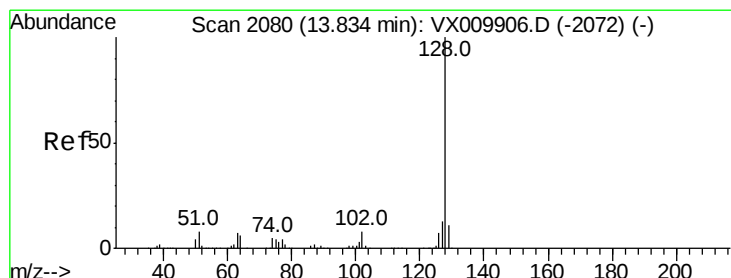
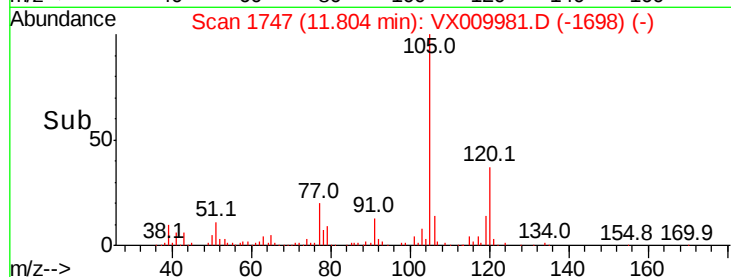
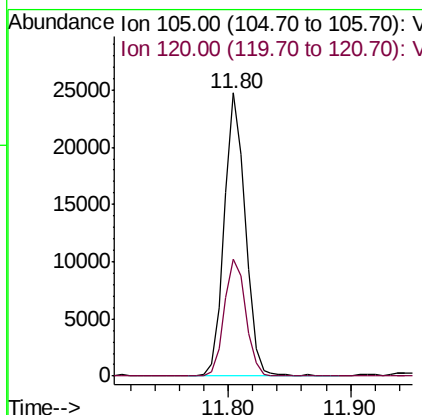
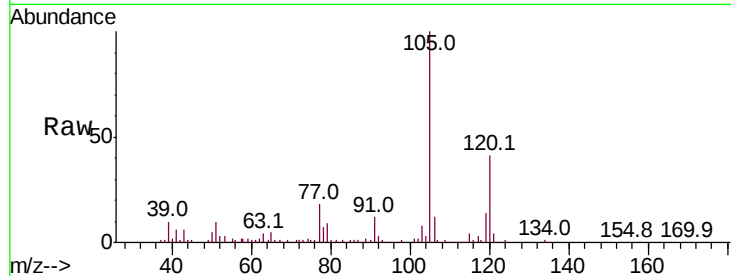




#84
 1,2,4-Trimethylbenzene
 Concen: 4.622 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Instrument :
 MSVOA_X
 ClientSampled :
 51030

Tot Ion:105 Resp: 29580
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0



#95
 Naphthalene
 Concen: 4.553 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX009981.D
 Acq: 31 May 2019 13:11

Tgt Ion:128 Resp: 33876
 Ion Ratio Lower Upper
 128 100
 127 14.5 10.4 15.6
 129 12.4 8.6 13.0

