

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072618\
 Data File : VX003694.D
 Acq On : 27 Jul 2018 03:20
 Operator : JC/SP
 Sample : J4154-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0505

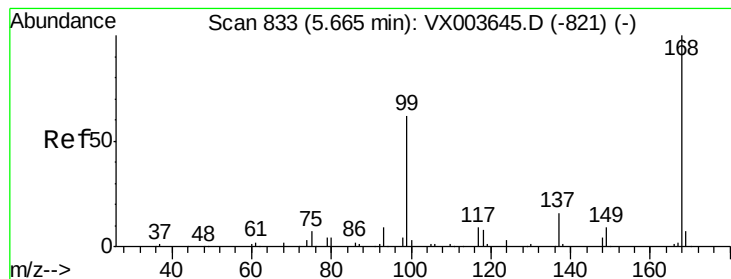
Quant Time: Jul 27 17:22:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 02:16:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	83469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	130345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	121284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	74344	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	71544	57.86	ug/l	0.00
Spiked Amount			Recovery	=	115.72%	
35) Dibromofluoromethane	5.51	113	56642	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
50) Toluene-d8	8.72	98	231309	56.88	ug/l	0.00
Spiked Amount			Recovery	=	113.76%	
62) 4-Bromofluorobenzene	11.14	95	81864	55.19	ug/l	0.00
Spiked Amount			Recovery	=	110.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	27522	16.56	ug/l	99
39) Methylcyclohexane	7.47	83	52037	31.03	ug/l	99
40) Benzene	6.15	78	52549	11.65	ug/l	97
52) Toluene	8.79	92	1048	0.37	ug/l	93
67) Ethyl Benzene	10.26	91	265999	52.06	ug/l	99
68) m/p-Xylenes	10.36	106	88913	45.36	ug/l	98
73) Isopropylbenzene	11.02	105	34439	6.78	ug/l	100
78) n-propylbenzene	11.36	91	58661	10.00	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	4604	1.07	ug/l	100
83) tert-Butylbenzene	11.77	119	2541	0.60	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	136401	30.88	ug/l	99
85) sec-Butylbenzene	11.94	105	11596	2.31	ug/l	98
86) p-Isopropyltoluene	12.07	119	7997	1.78	ug/l	96
89) n-Butylbenzene	12.39	91	7592	1.87	ug/l #	61
95) Naphthalene	13.83	128	35403	6.25	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

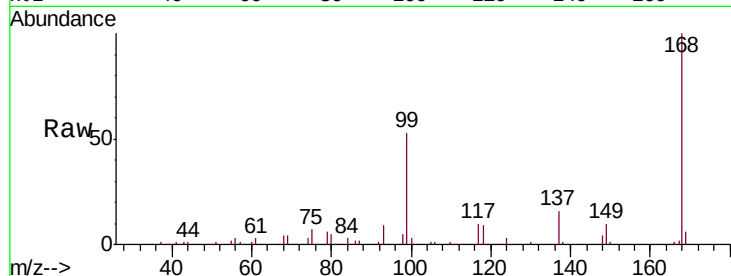
FL-0505

Tot Ion:168 Resp: 83469

Ion Ratio Lower Upper

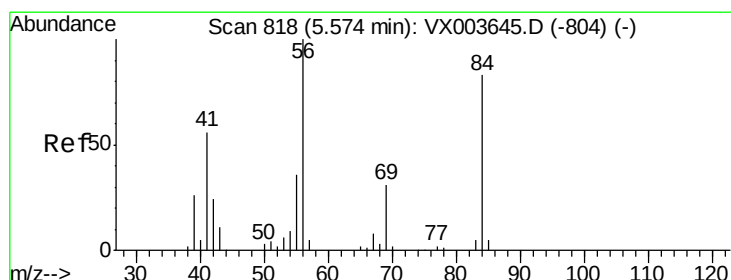
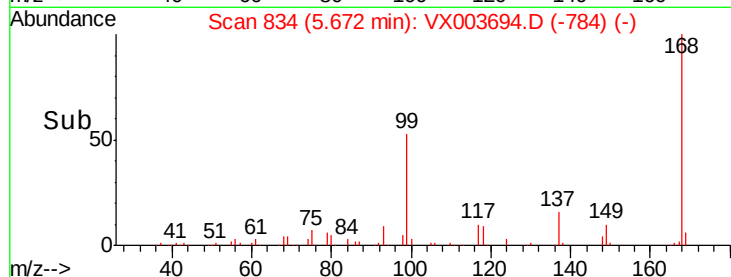
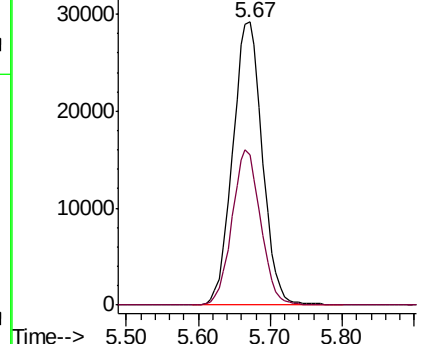
168 100

99 53.1 49.5 74.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 16.56 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

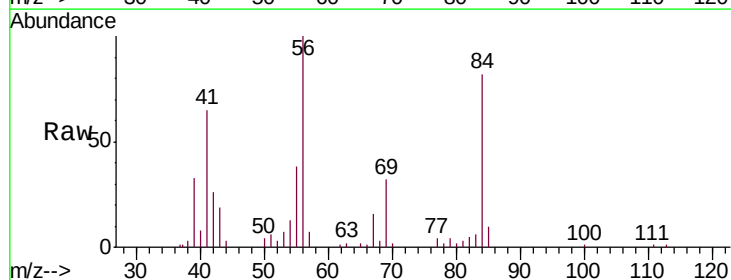
Tgt Ion: 56 Resp: 27522

Ion Ratio Lower Upper

56 100

69 31.2 25.0 37.6

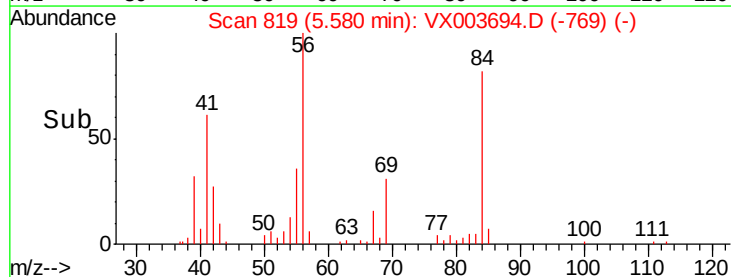
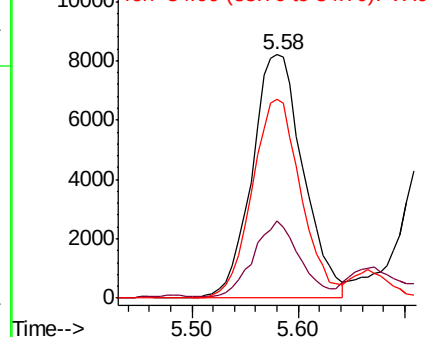
84 81.6 66.5 99.7

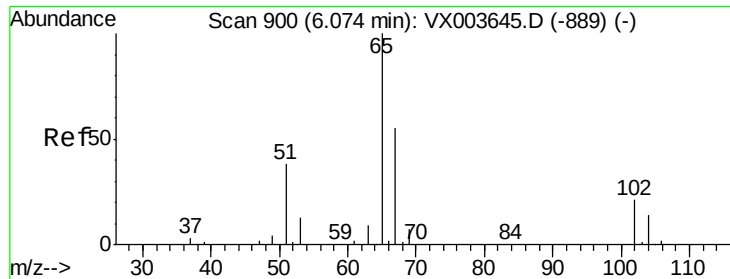


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

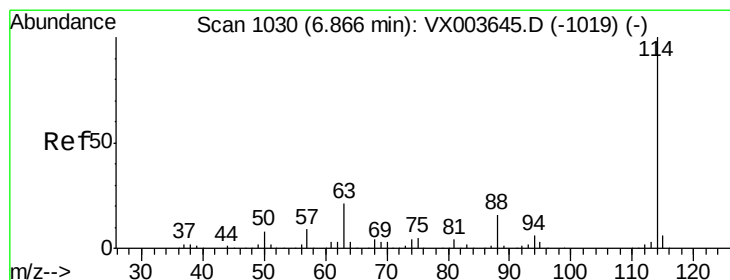
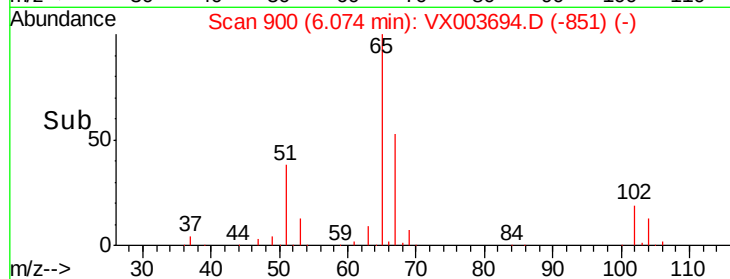
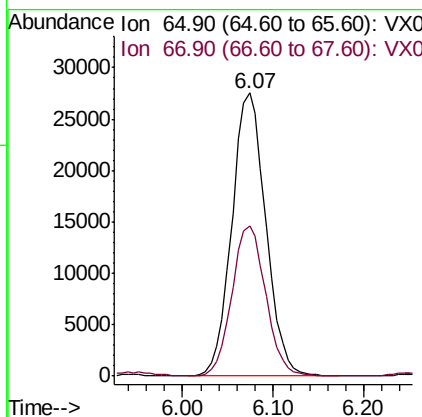
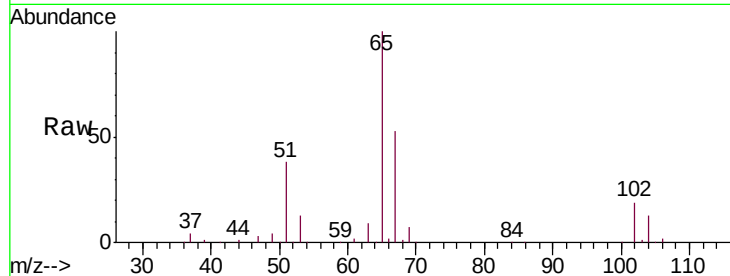




#33
 1,2-Dichloroethane-d4
 Concen: 57.86 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX003694.D
 Acq: 27 Jul 2018 03:20

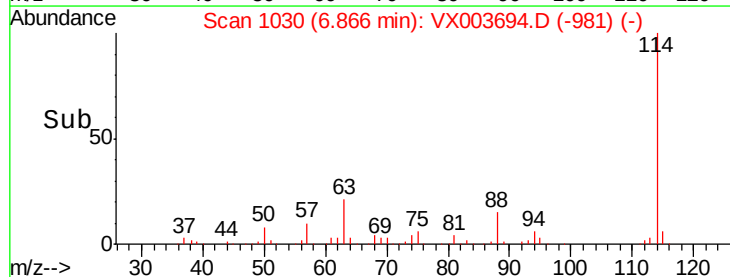
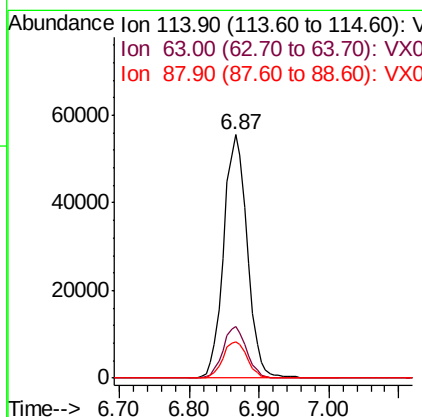
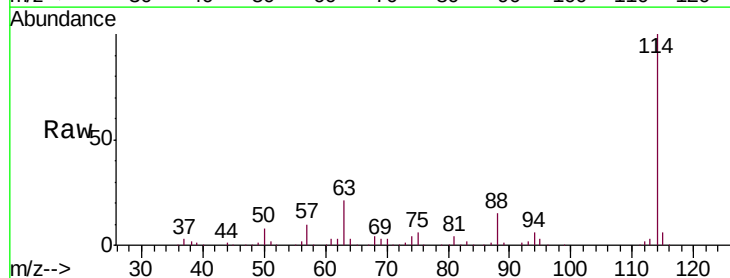
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0505

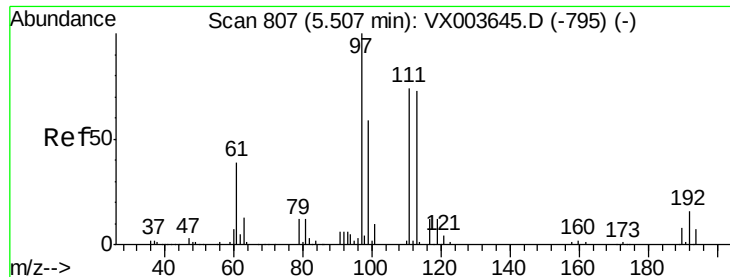
Tot Ion: 65 Resp: 71544
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003694.D
 Acq: 27 Jul 2018 03:20

Tgt Ion: 114 Resp: 130345
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.0
 88 14.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.16 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampled :

FL-0505

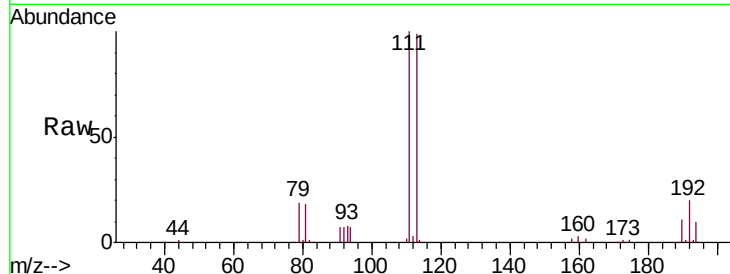
Tot Ion:113 Resp: 56642

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

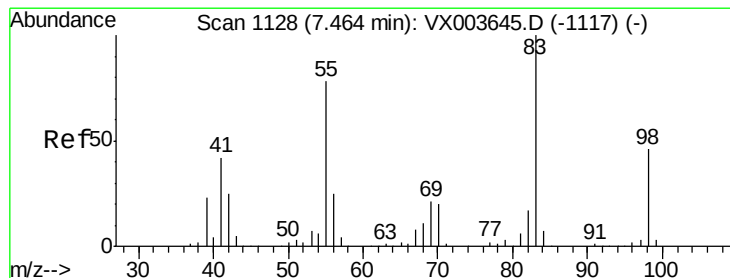
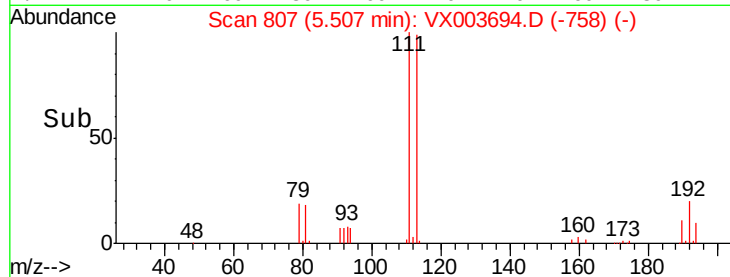
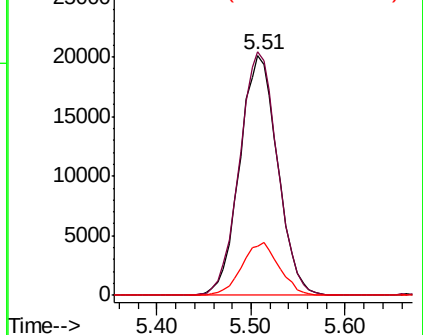
192 21.7 18.2 27.4



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

Methylcyclohexane

Concen: 31.03 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

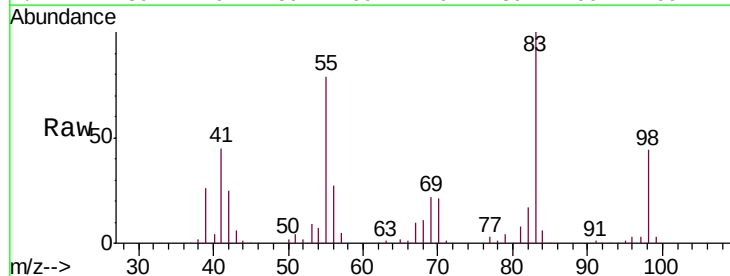
Tgt Ion: 83 Resp: 52037

Ion Ratio Lower Upper

83 100

55 78.6 62.6 93.8

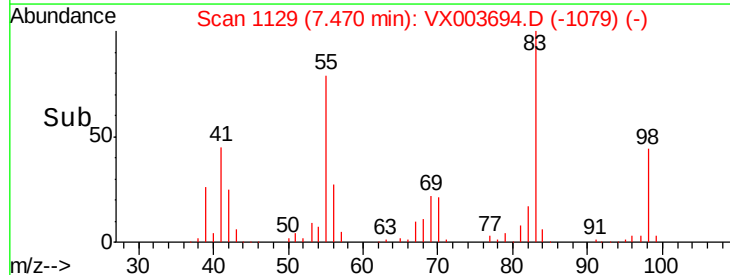
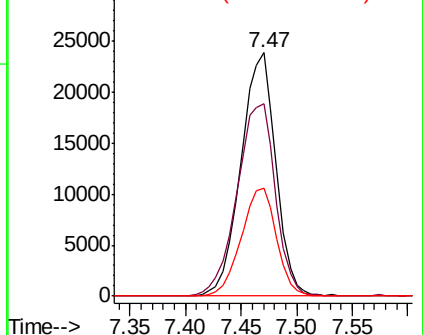
98 44.5 36.6 55.0

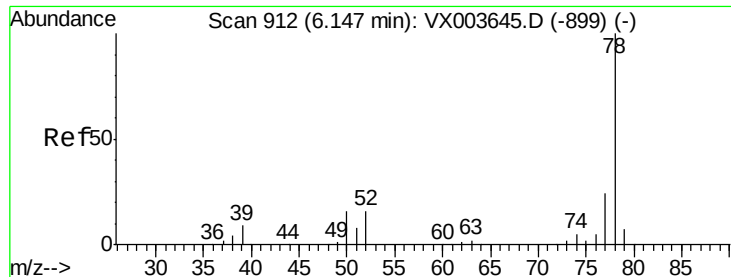


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 11.65 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

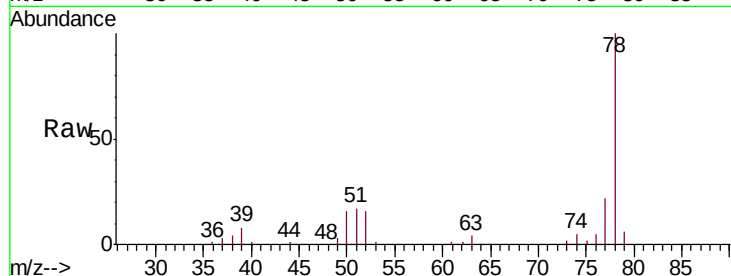
FL-0505

Tot Ion: 78 Resp: 52549

Ion Ratio Lower Upper

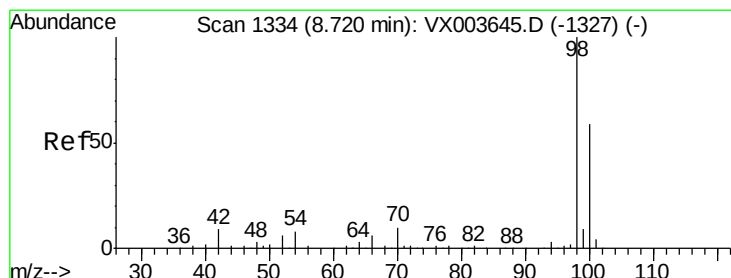
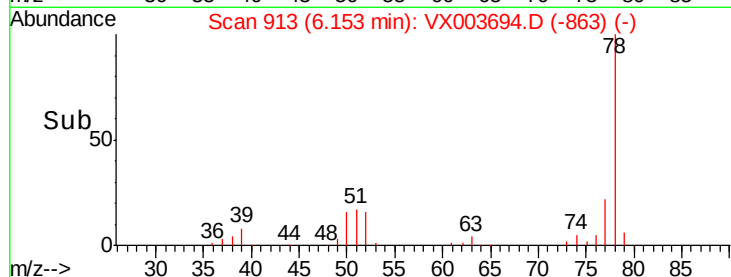
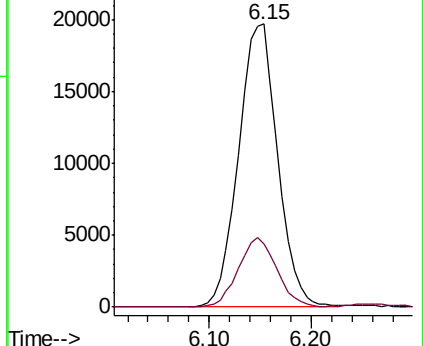
78 100

77 22.4 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 56.88 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003694.D

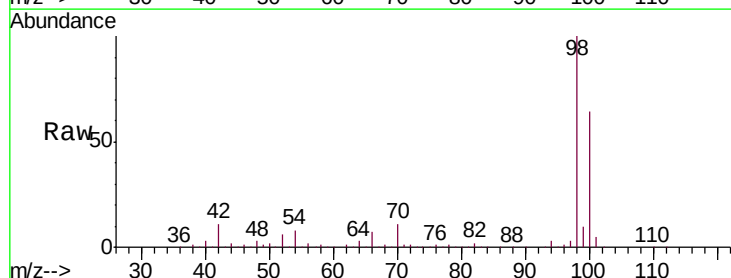
Acq: 27 Jul 2018 03:20

Tgt Ion: 98 Resp: 231309

Ion Ratio Lower Upper

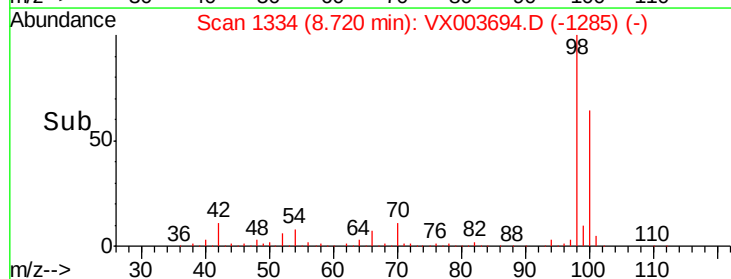
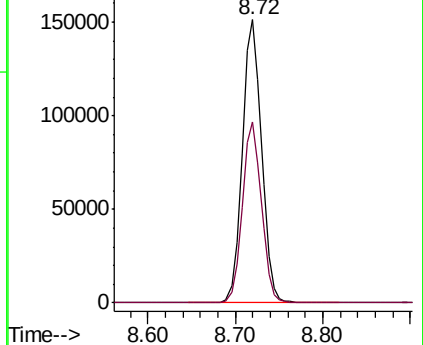
98 100

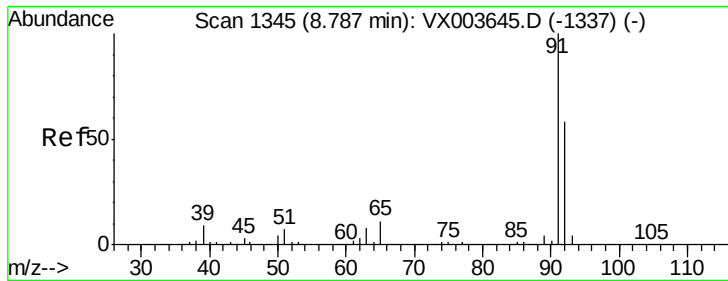
100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.37 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

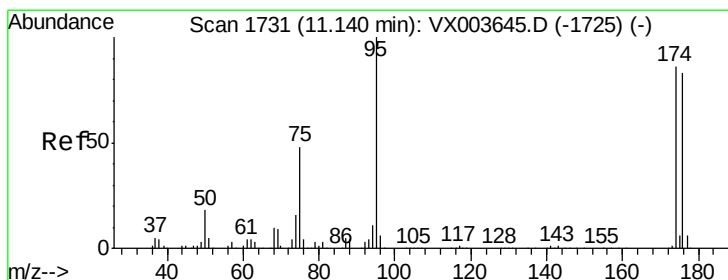
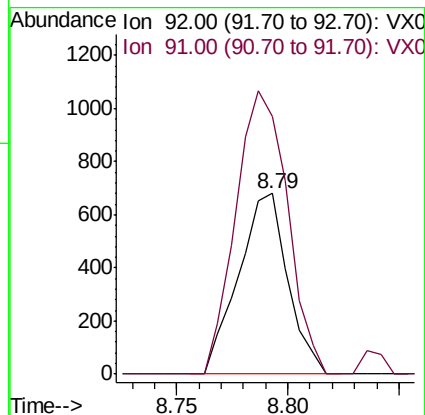
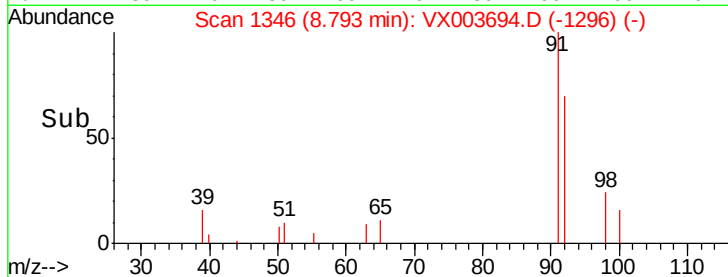
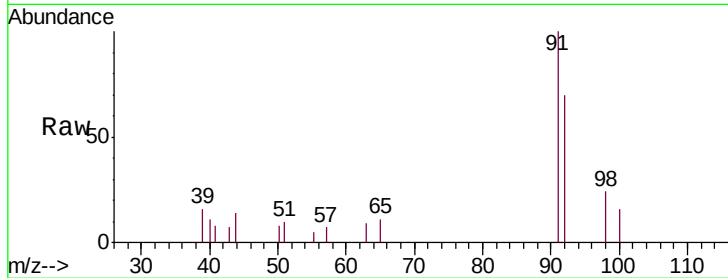
FL-0505

Tot Ion: 92 Resp: 1048

Ion Ratio Lower Upper

92 100

91 164.7 139.0 208.6



#62

4-Bromofluorobenzene

Concen: 55.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

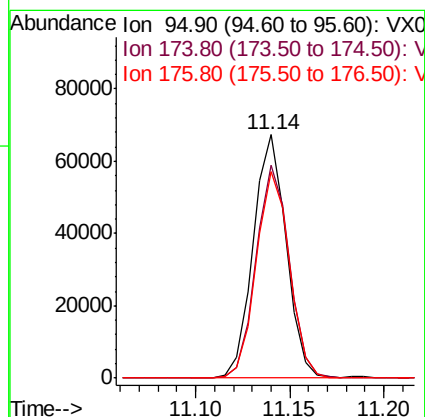
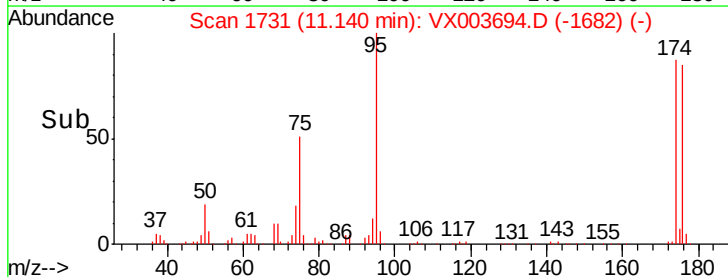
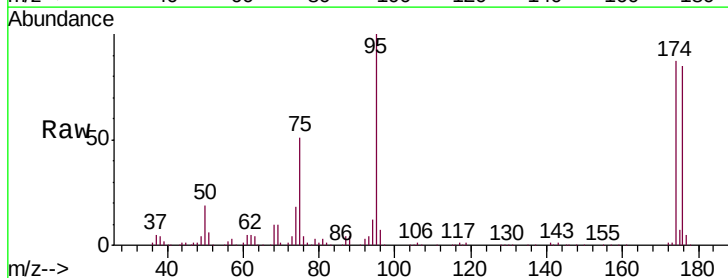
Tgt Ion: 95 Resp: 81864

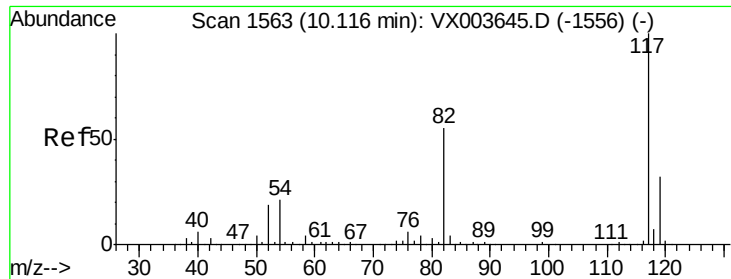
Ion Ratio Lower Upper

95 100

174 87.9 0.0 179.0

176 85.6 0.0 173.0

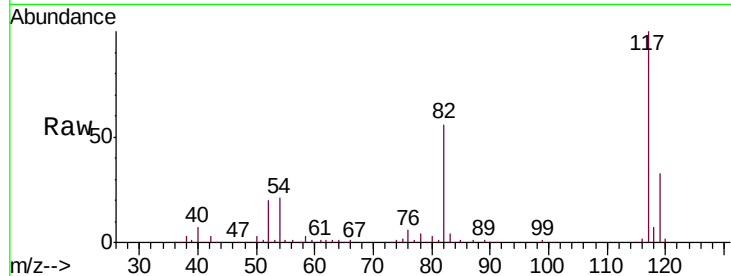




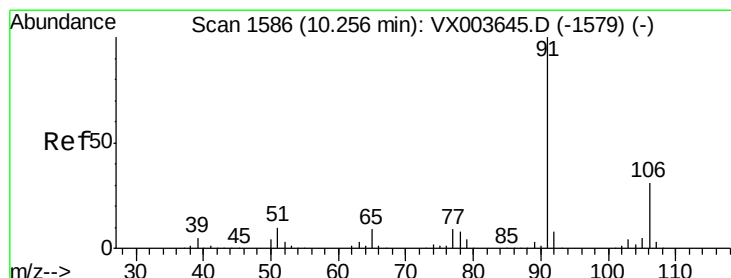
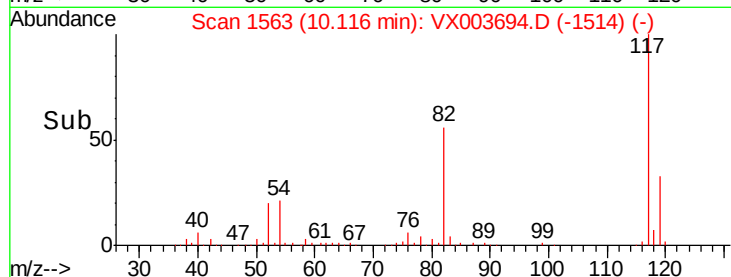
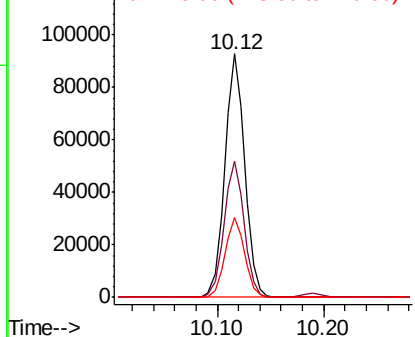
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Instrument :
MSVOA_X
ClientSampled :
FL-0505

Tot Ion:117 Resp: 121284
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.7 25.6 38.4

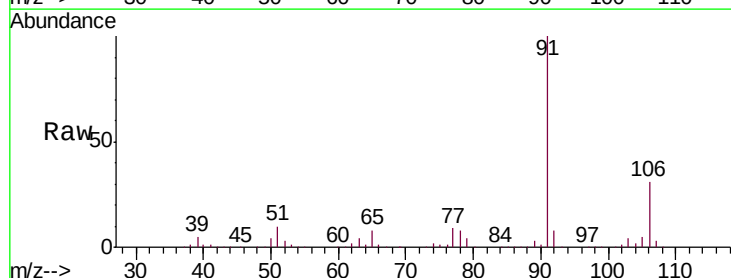


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

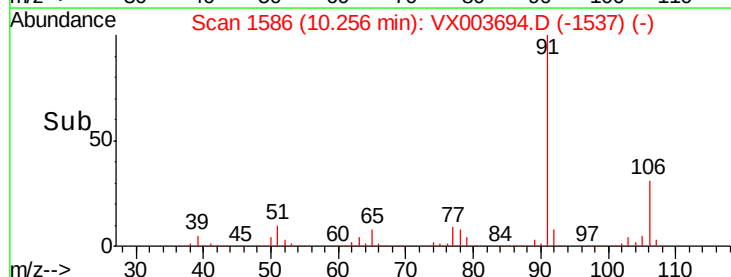
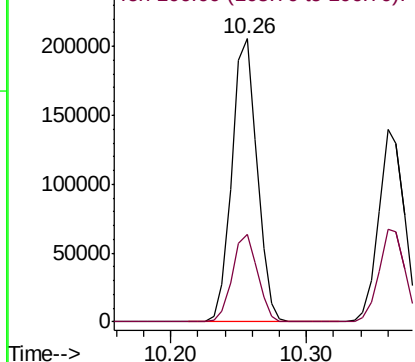


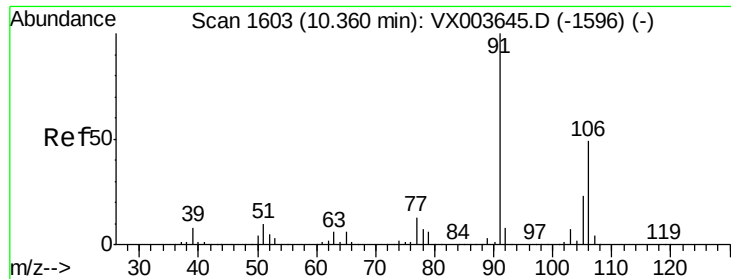
#67
Ethyl Benzene
Concen: 52.06 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Tgt Ion: 91 Resp: 265999
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



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

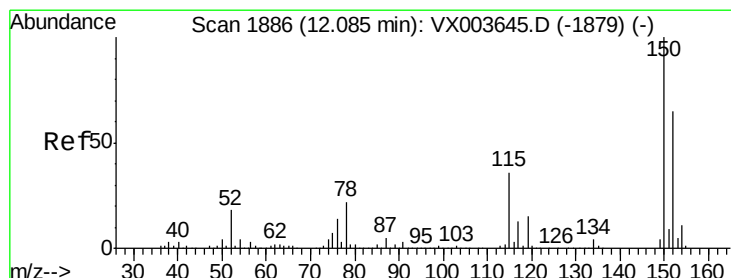
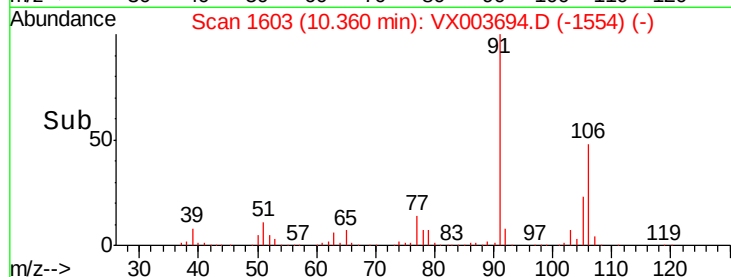
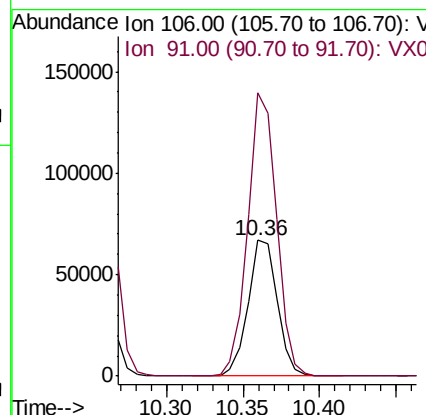
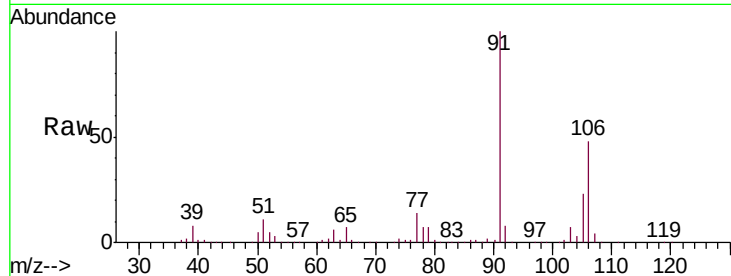




#68
m/p-Xvlenes
Concen: 45.36 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

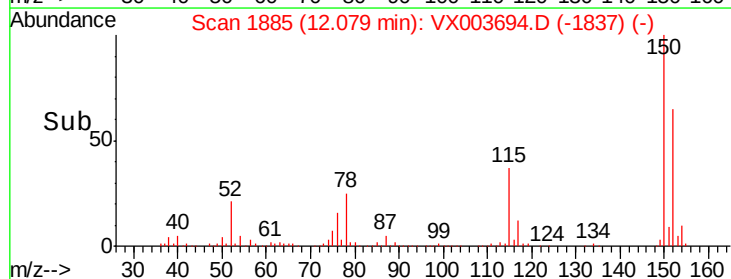
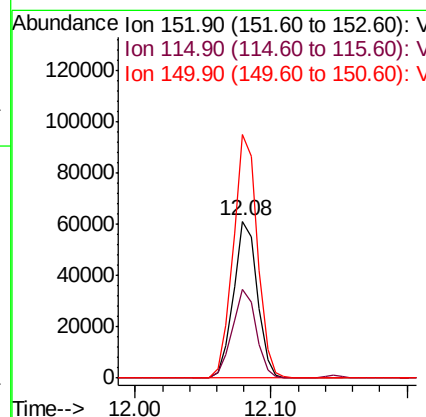
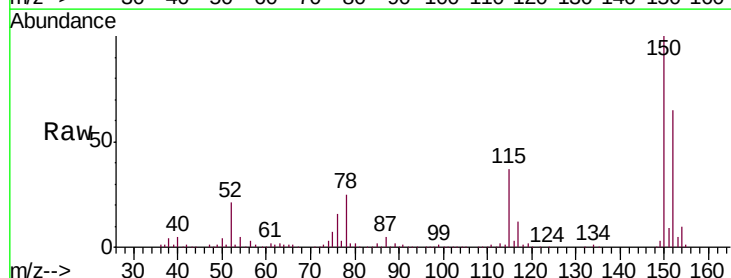
Instrument :
MSVOA_X
ClientSampled :
FL-0505

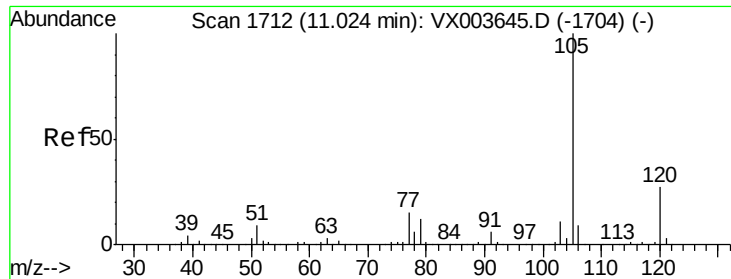
Tot Ion:106 Resp: 88913
Ion Ratio Lower Upper
106 100
91 205.6 162.2 243.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Tgt Ion:152 Resp: 74344
Ion Ratio Lower Upper
152 100
115 56.7 40.0 119.9
150 157.1 0.0 348.4





#73

Isopropylbenzene

Concen: 6.78 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003694.D

Acq: 27 Jul 2018 03:20

Instrument :

MSVOA_X

ClientSampleId :

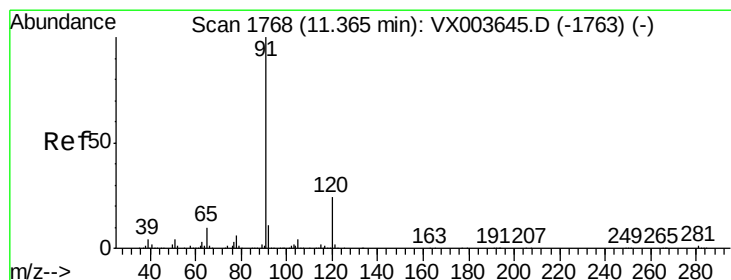
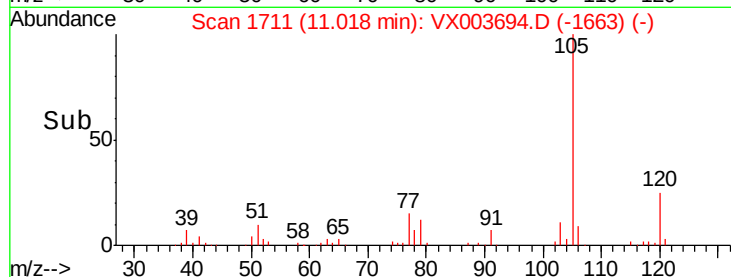
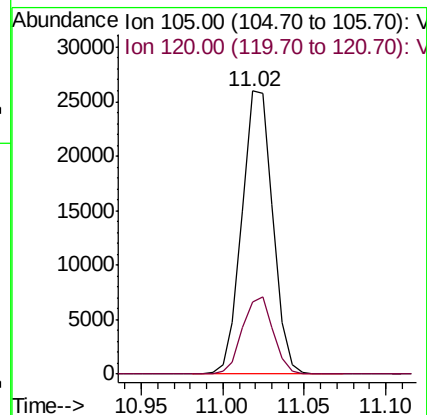
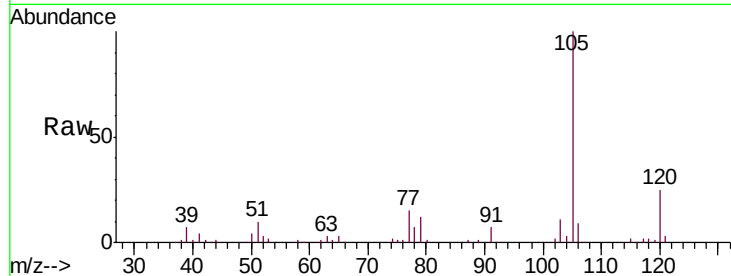
FL-0505

Tot Ion:105 Resp: 34439

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.5



#78

n-propylbenzene

Concen: 10.00 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003694.D

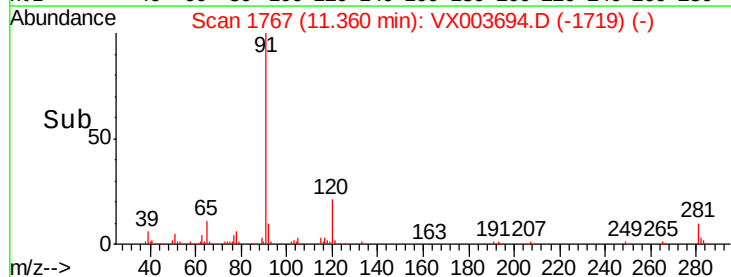
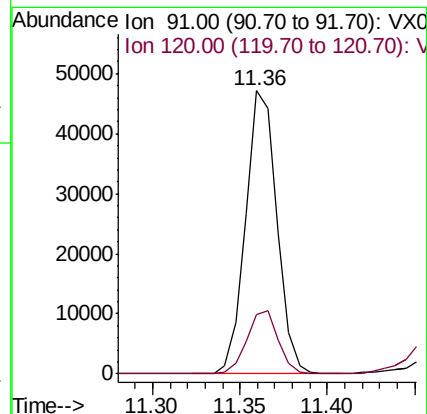
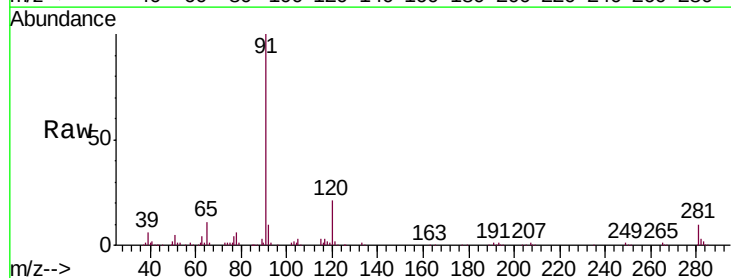
Acq: 27 Jul 2018 03:20

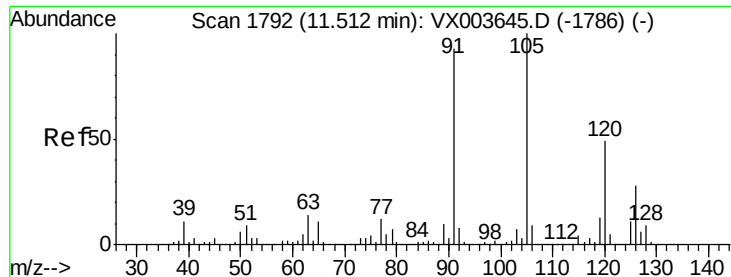
Tgt Ion: 91 Resp: 58661

Ion Ratio Lower Upper

91 100

120 22.3 11.8 35.3

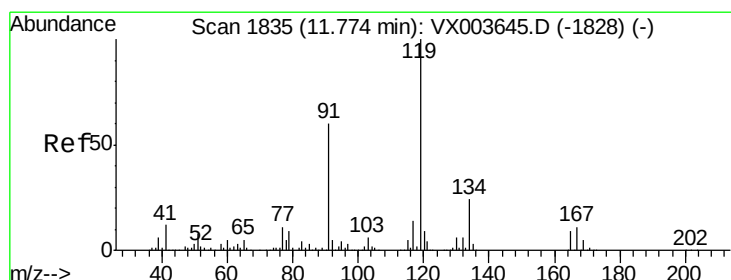
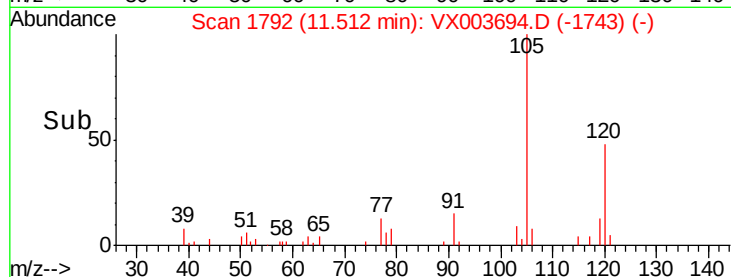
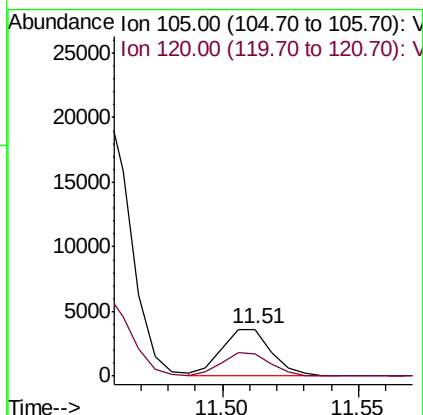
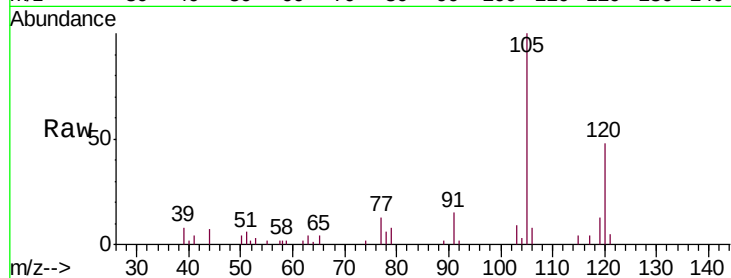




#80
 1,3,5-Trimethylbenzene
 Concen: 1.07 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX003694.D
 Acq: 27 Jul 2018 03:20

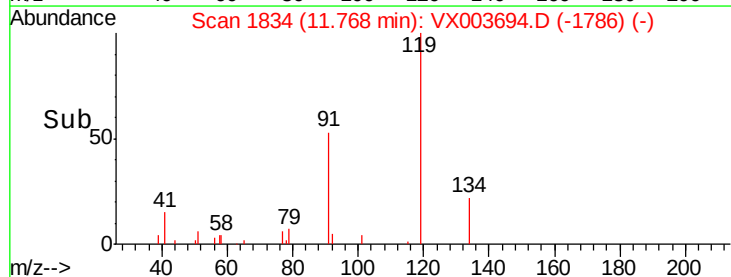
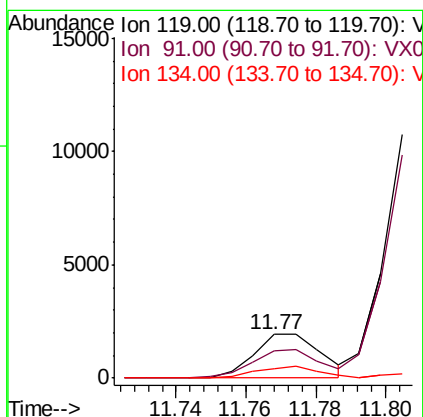
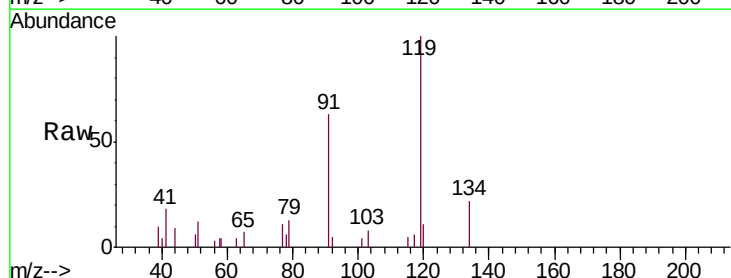
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0505

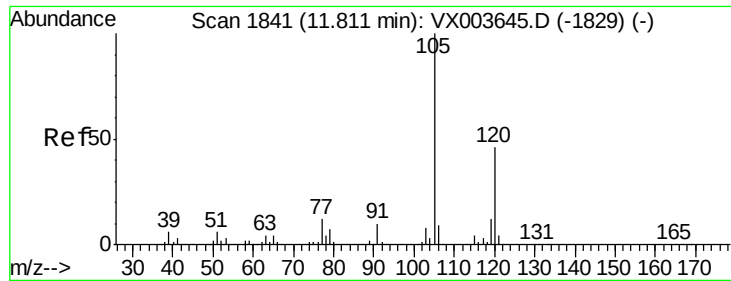
Tot Ion:105 Resp: 4604
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.4



#83
 tert-Butylbenzene
 Concen: 0.60 ug/l
 RT: 11.77 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VX003694.D
 Acq: 27 Jul 2018 03:20

Tgt Ion:119 Resp: 2541
 Ion Ratio Lower Upper
 119 100
 91 67.5 28.4 85.2
 134 24.9 11.6 34.8

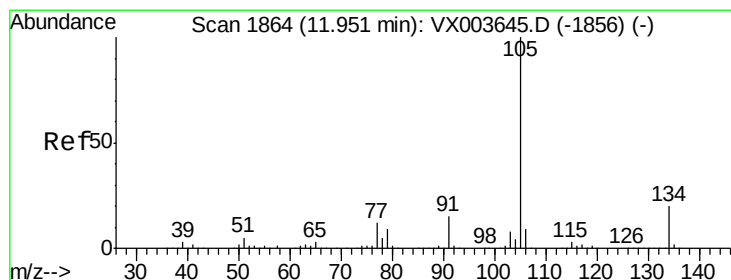
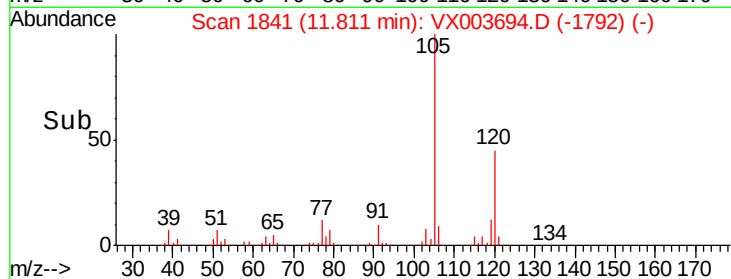
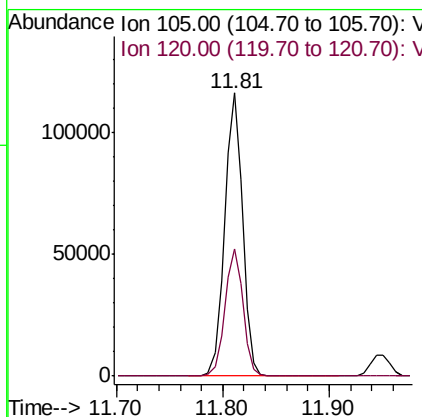
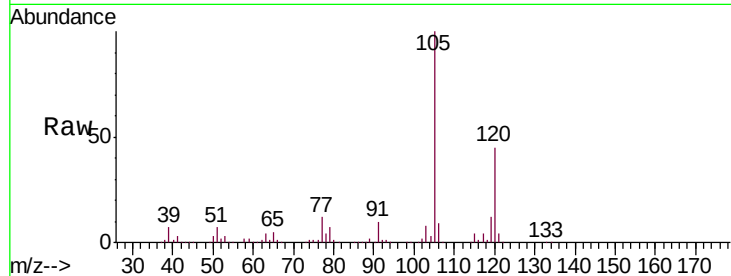




#84
1,2,4-Trimethylbenzene
Concen: 30.88 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

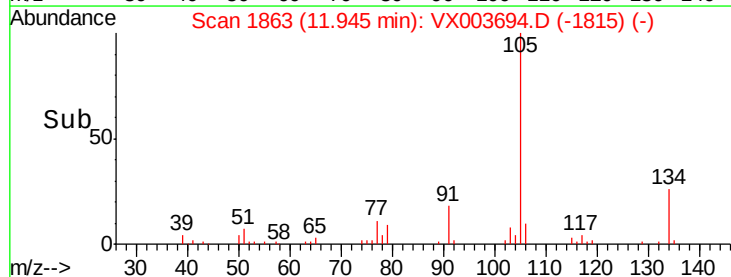
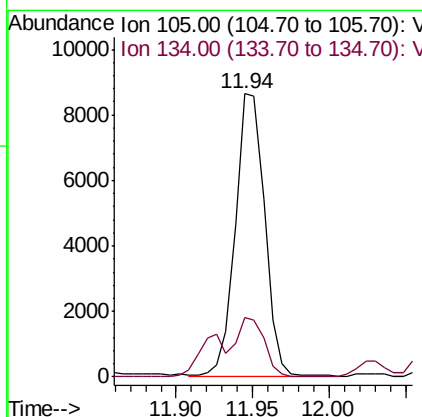
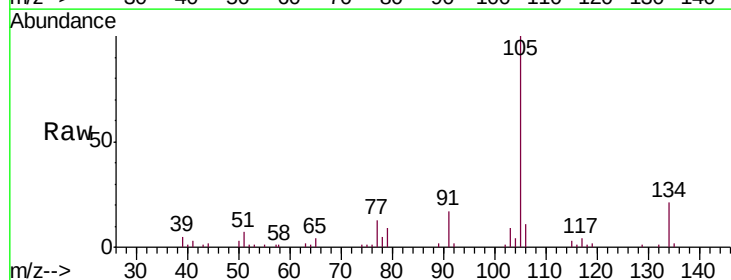
Instrument :
MSVOA_X
ClientSampled :
FL-0505

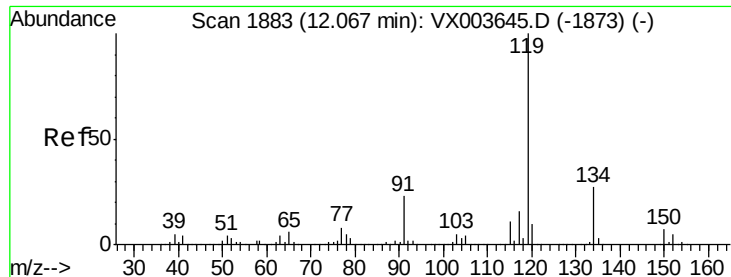
Tot Ion:105 Resp: 136401
Ion Ratio Lower Upper
105 100
120 45.6 22.6 67.8



#85
sec-Butylbenzene
Concen: 2.31 ug/l
RT: 11.94 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Tgt Ion:105 Resp: 11596
Ion Ratio Lower Upper
105 100
134 19.4 10.1 30.1

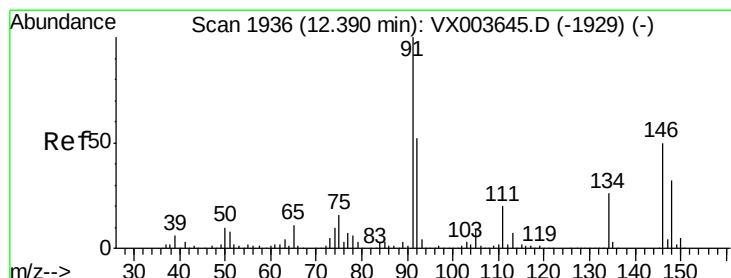
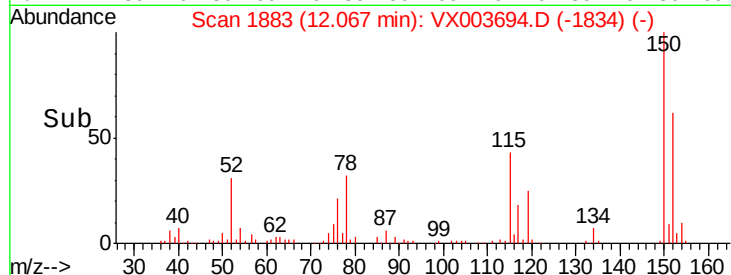
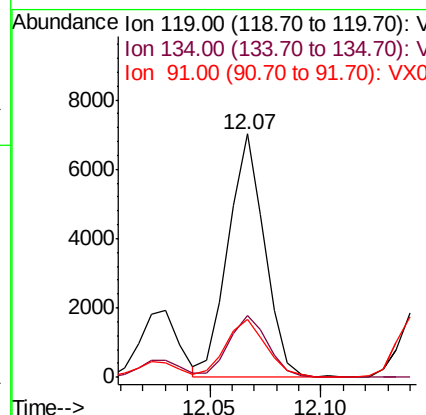
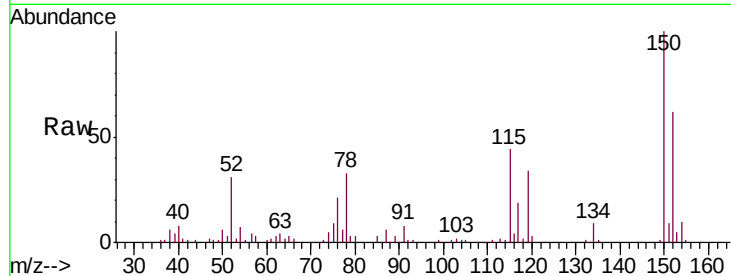




#86
p-Isopropyltoluene
Concen: 1.78 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

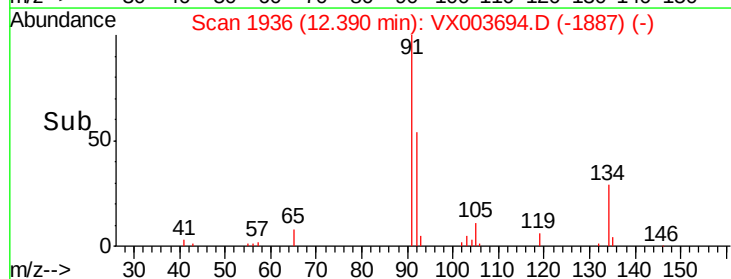
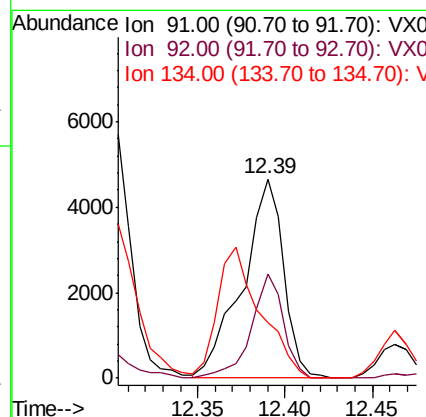
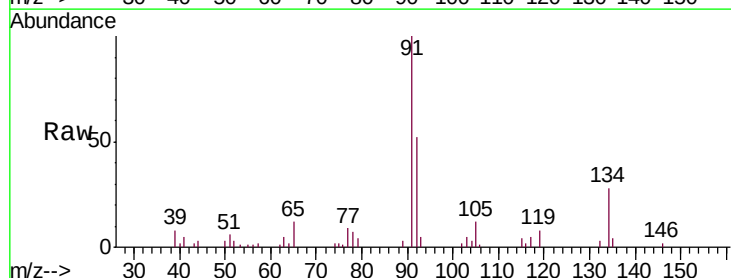
Instrument :
MSVOA_X
ClientSampleId :
FL-0505

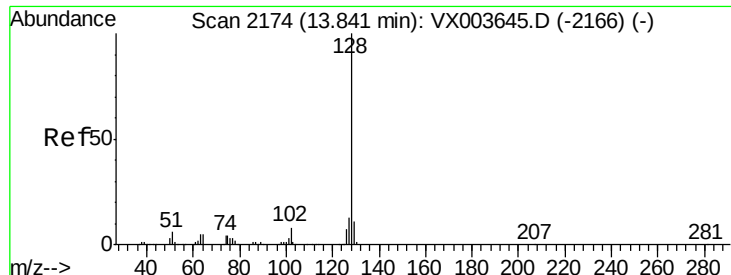
Tot Ion:119 Resp: 7997
Ion Ratio Lower Upper
119 100
134 27.0 13.3 39.9
91 26.6 11.5 34.5



#89
n-Butylbenzene
Concen: 1.87 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Tgt Ion: 91 Resp: 7592
Ion Ratio Lower Upper
91 100
92 41.0 26.3 78.9
134 68.8 13.3 39.8#

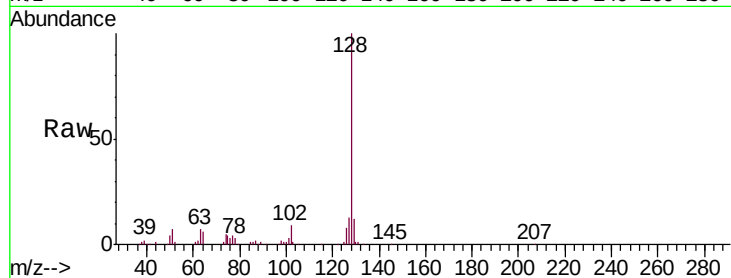




#95
Naphthalene
Concen: 6.25 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VX003694.D
Acq: 27 Jul 2018 03:20

Instrument :
MSVOA_X
ClientSampleId :
FL-0505

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.3	8.7	13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

