

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100118\
 Data File : VX004905.D
 Acq On : 02 Oct 2018 07:31
 Operator : JC/MD
 Sample : J5161-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JMW-3202

Quant Time: Oct 02 08:42:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	234358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	376090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	224654	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	174016	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	5.50	113	145349	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
50) Toluene-d8	8.72	98	571399	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	11.14	95	218176	55.85	ug/l	0.00
Spiked Amount			Recovery	=	111.70%	

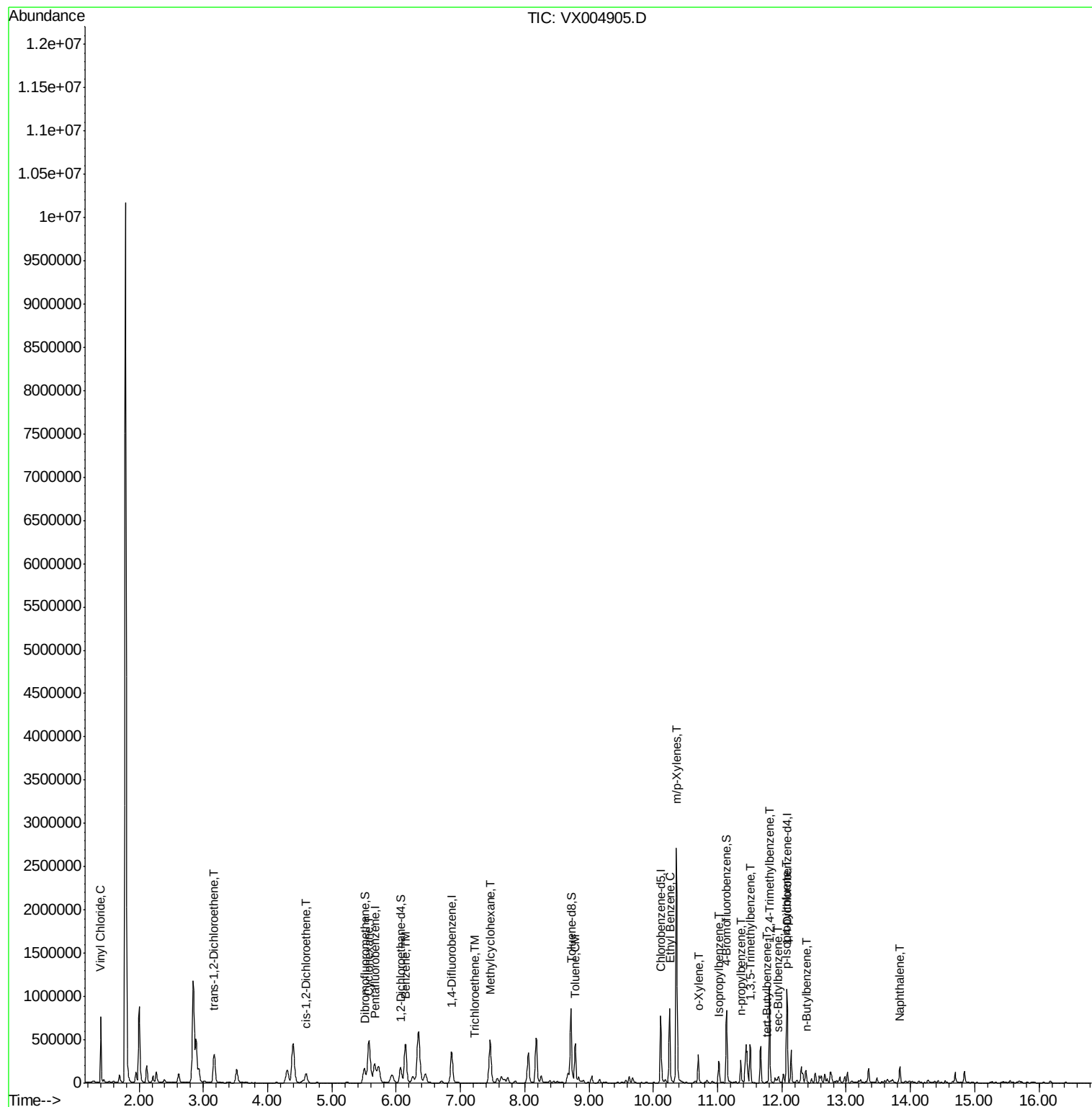
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	45501	12.514	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	1659	0.597	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	66606	21.449	ug/l	96
31) Cyclohexane	5.57	56	345565	81.126	ug/l	90
39) Methylcyclohexane	7.46	83	226199	49.782	ug/l	94
40) Benzene	6.15	78	557561	40.023	ug/l	100
44) Trichloroethene	7.22	130	1089	0.318	ug/l	69
52) Toluene	8.79	92	178440	23.311	ug/l	96
67) Ethyl Benzene	10.26	91	540324	35.290	ug/l	98
68) m/p-Xylenes	10.36	106	648887	108.453	ug/l	94
69) o-Xylene	10.70	106	72156	13.130	ug/l	98
73) Isopropylbenzene	11.02	105	132726	9.373	ug/l	99
78) n-propylbenzene	11.36	91	161277	9.926	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	194341	14.835	ug/l	96
83) tert-Butylbenzene	11.77	119	4799	0.412	ug/l	94
84) 1,2,4-Trimethylbenzene	11.81	105	488723	36.461	ug/l	99
85) sec-Butylbenzene	11.94	105	36409	2.564	ug/l	80
86) p-Isopropyltoluene	12.07	119	23459	1.823	ug/l	96
89) n-Butylbenzene	12.39	91	20579	1.761	ug/l #	28
95) Naphthalene	13.83	128	114851	6.777	ug/l	97

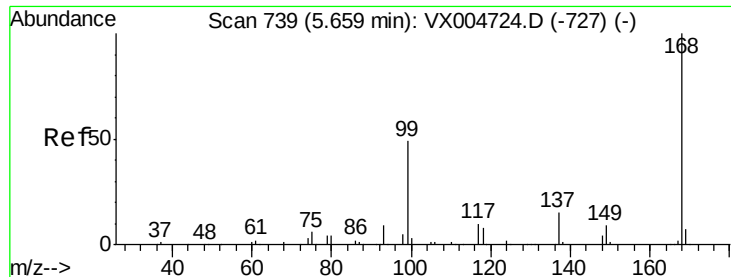
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

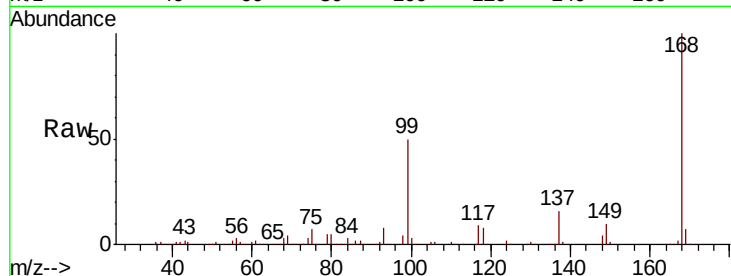
FA18-JMW-3202

Tot Ion:168 Resp: 234358

Ion Ratio Lower Upper

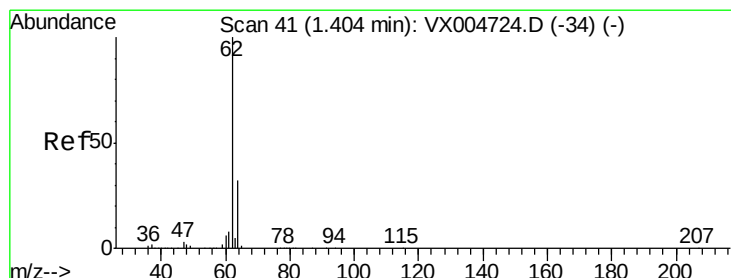
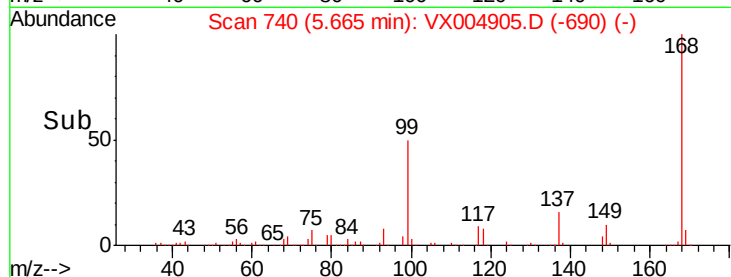
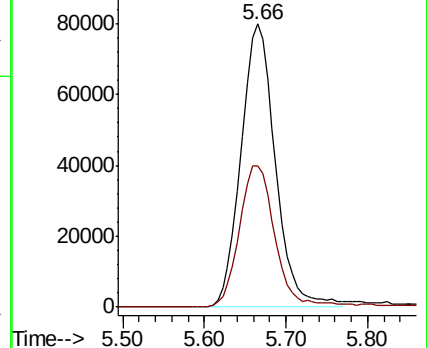
168 100

99 50.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 12.514 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004905.D

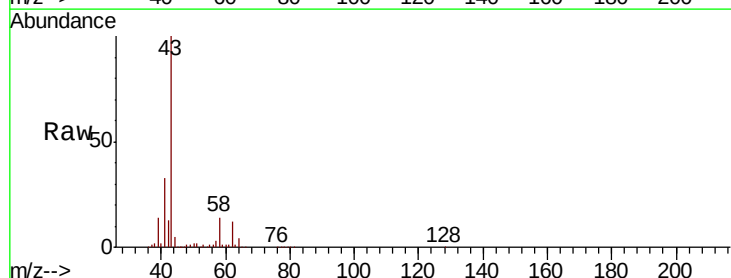
Acq: 02 Oct 2018 07:31

Tgt Ion: 62 Resp: 45501

Ion Ratio Lower Upper

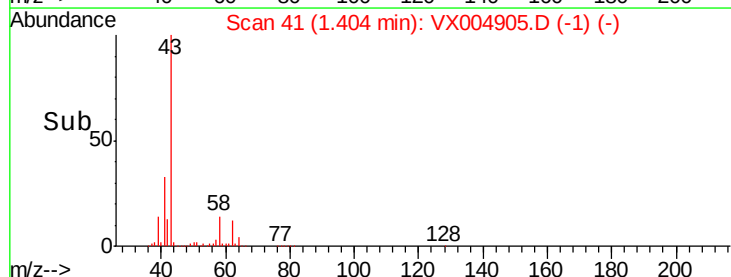
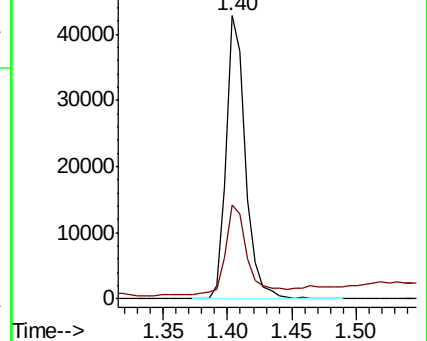
62 100

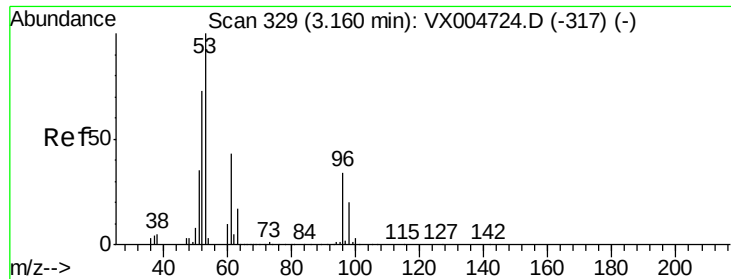
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.597 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

FA18-JMW-3202

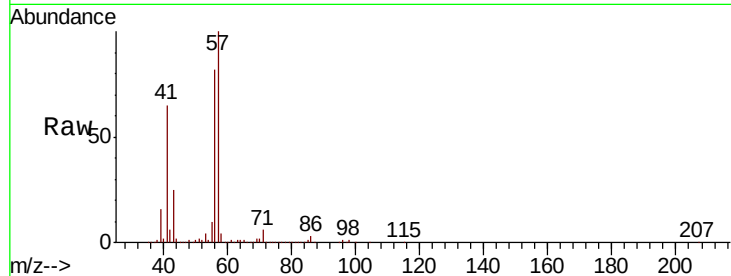
Tot Ion: 96 Resp: 1659

Ion Ratio Lower Upper

96 100

61 141.5 113.8 170.6

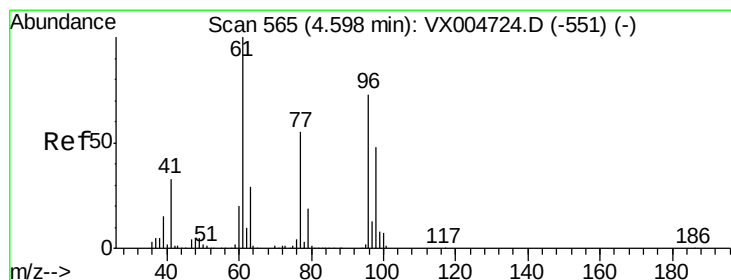
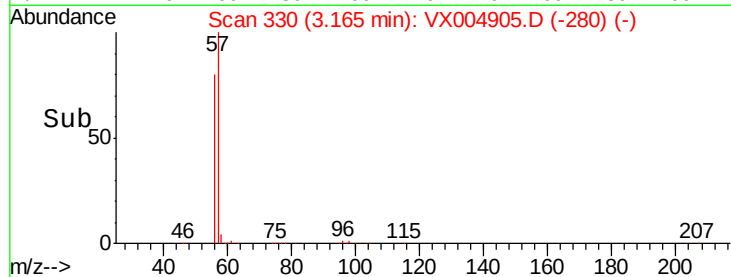
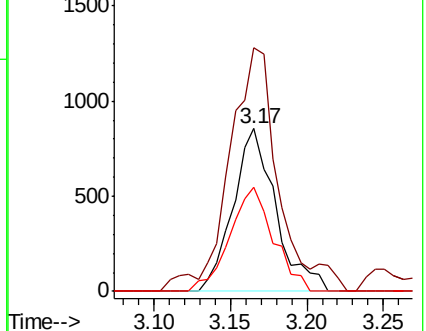
98 64.4 51.8 77.8



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



#27

cis-1,2-Dichloroethene

Concen: 21.449 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

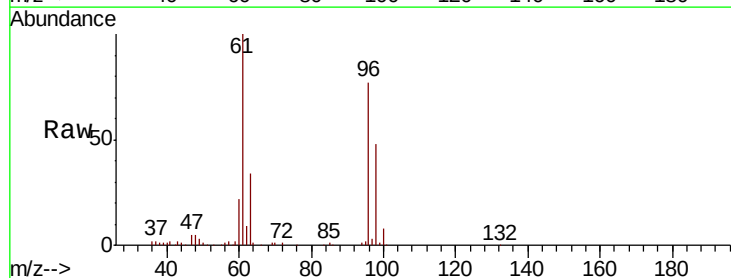
Tgt Ion: 96 Resp: 66606

Ion Ratio Lower Upper

96 100

61 135.3 0.0 282.6

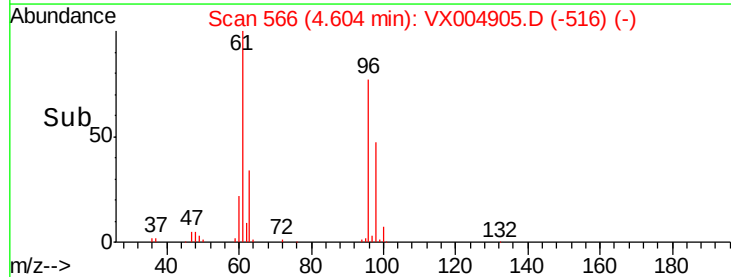
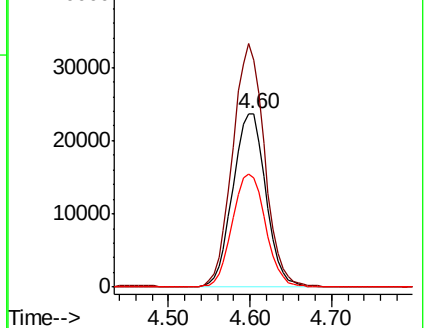
98 65.7 0.0 130.2

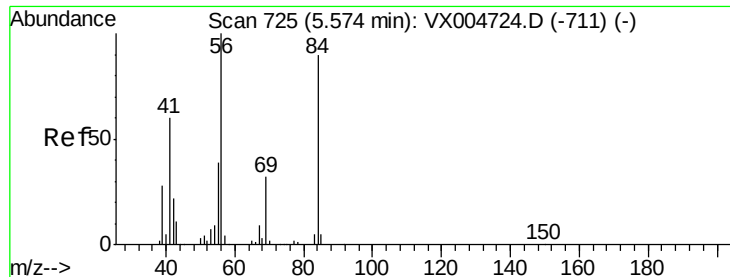


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

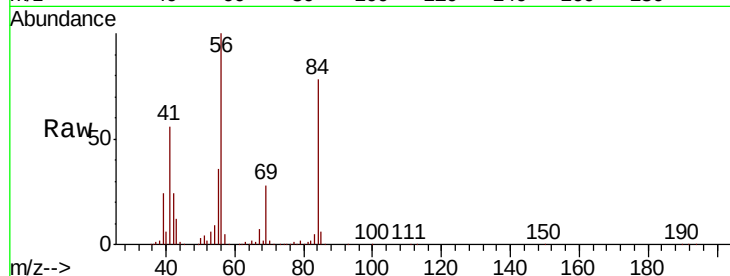




#31
Cyclohexane
Concen: 81.126 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :
FA18-JMW-3202

Tot Ion	56	Resp	345565
Ion	Ratio	Lower	Upper
56	100		
69	28.3	25.4	38.2
84	78.1	71.4	107.2

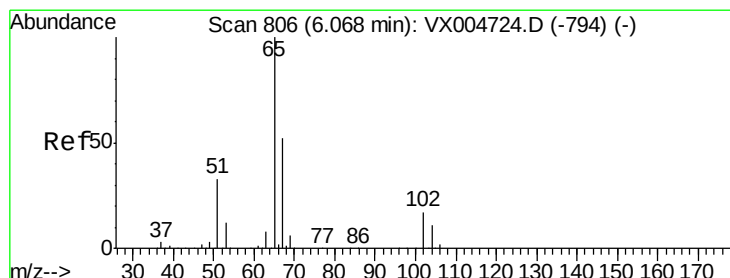
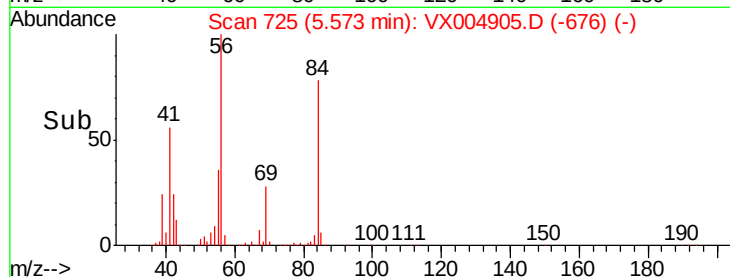
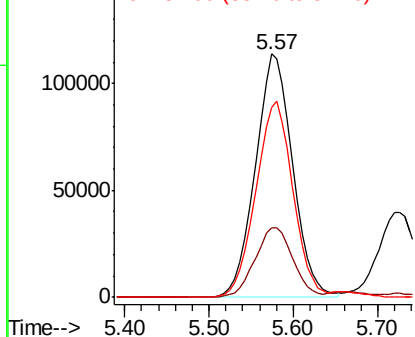


Abundance

Ion 56.00 (55.70 to 56.70): VX0

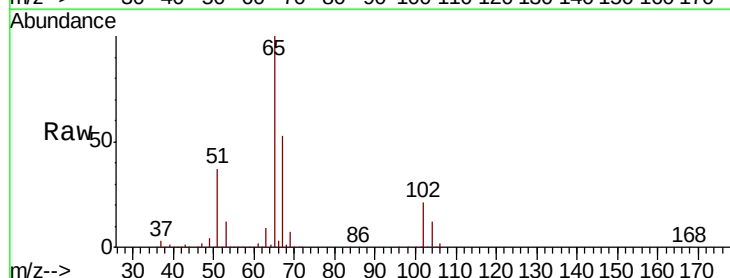
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33
1,2-Dichloroethane-d4
Concen: 51.979 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

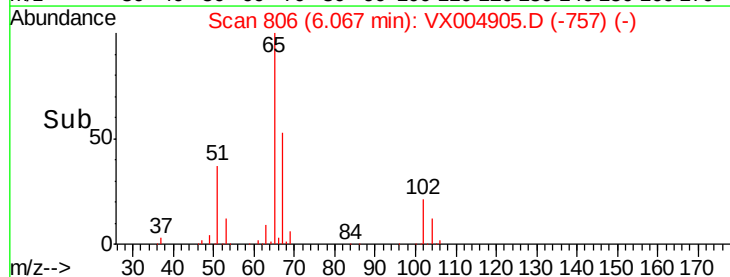
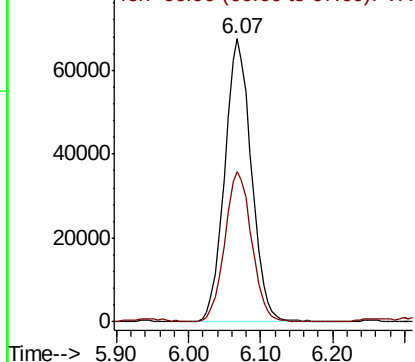
Tgt Ion	65	Resp	174016
Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	106.8

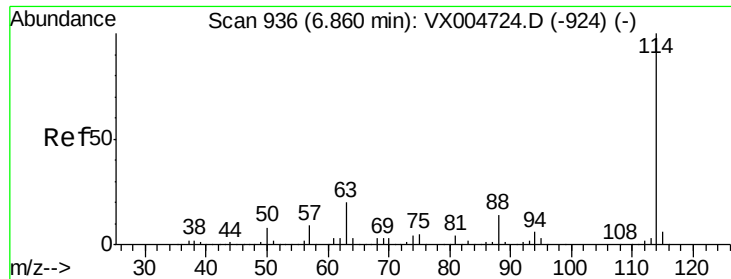


Abundance

Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

FA18-JMW-3202

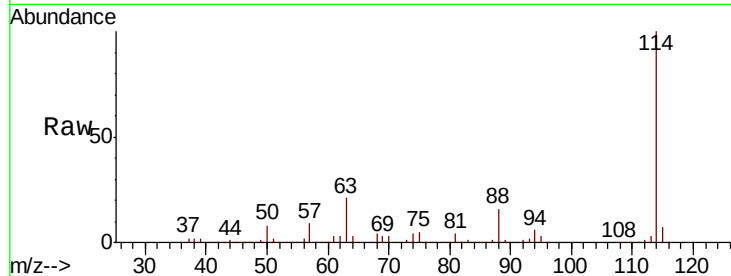
Tot Ion:114 Resp: 384826

Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.0

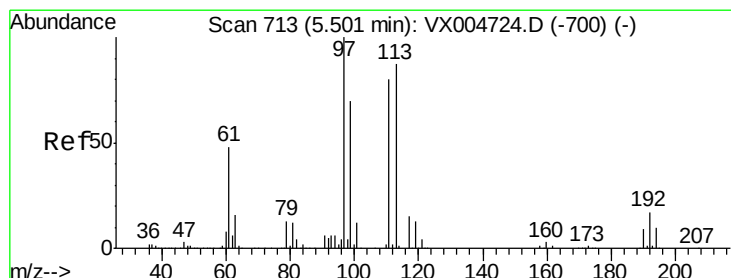
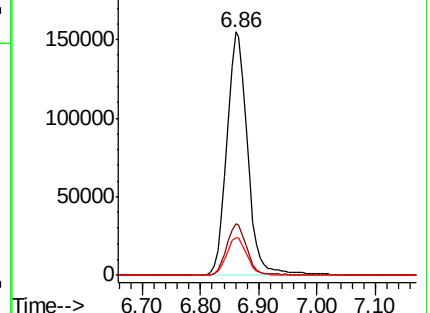
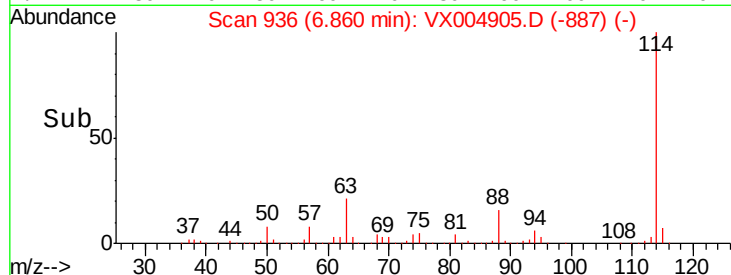
88 15.6 0.0 30.4



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: 44.566 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

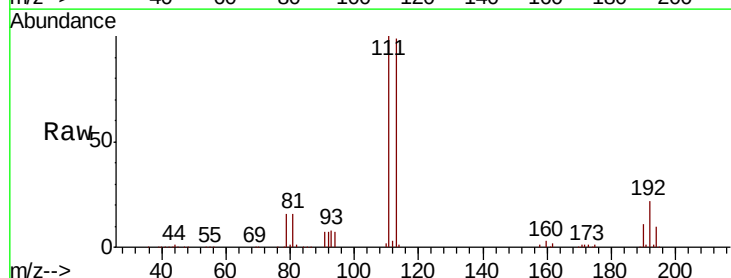
Tgt Ion:113 Resp: 145349

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

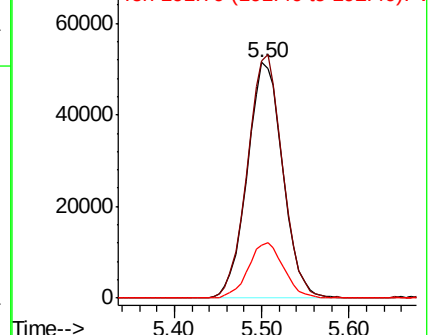
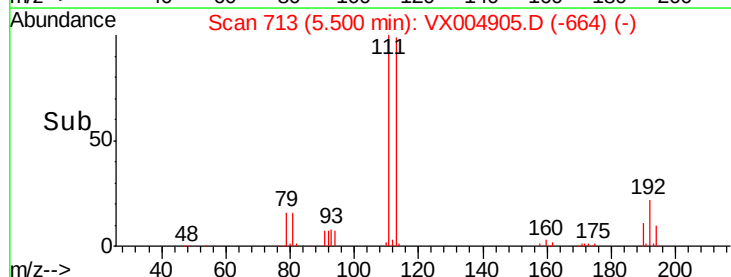
192 23.5 19.4 29.2

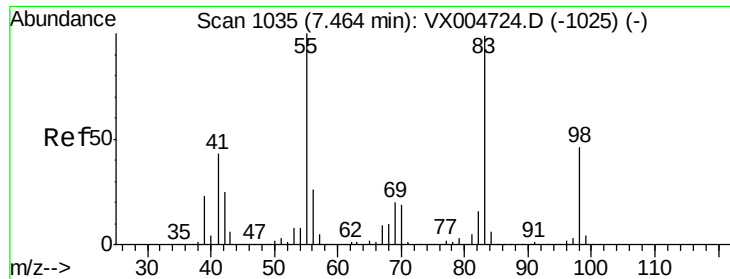


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

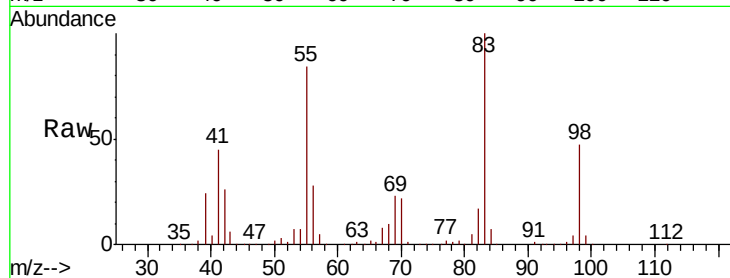




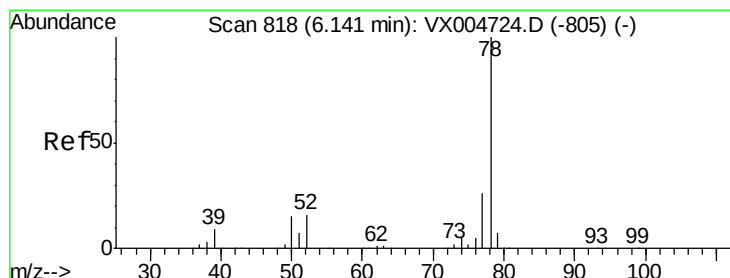
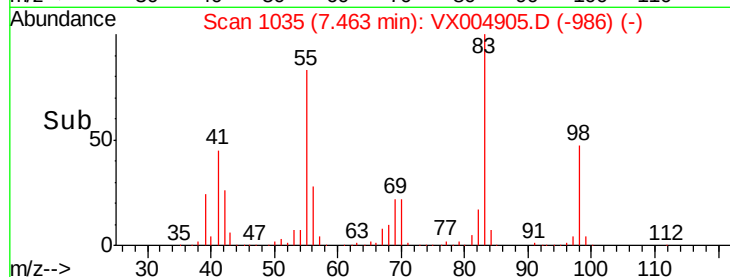
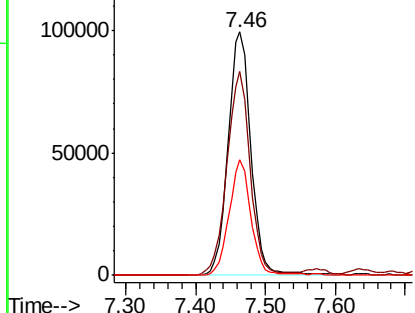
#39
Methylvlcyclohexane
Concen: 49.782 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Instrument :
MSVOA_X
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FA18-JMW-3202

Tot Ion: 83 Resp: 226199
Ion Ratio Lower Upper
83 100
55 83.4 61.0 91.4
98 47.4 39.6 59.4

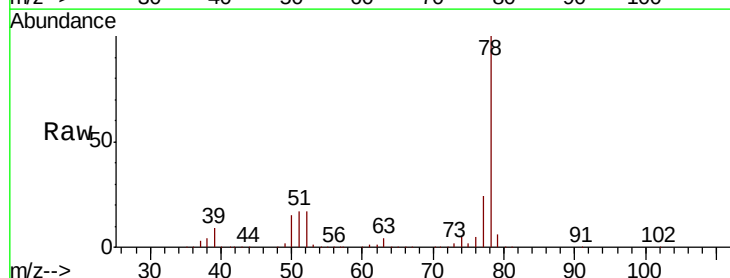


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

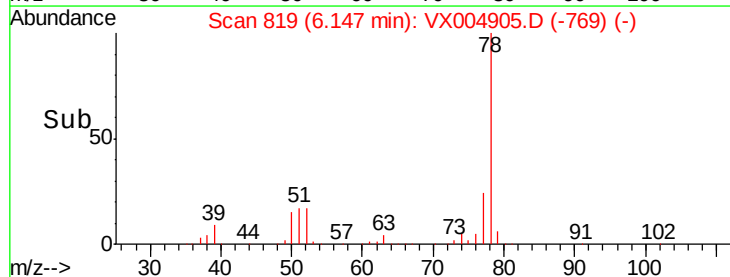
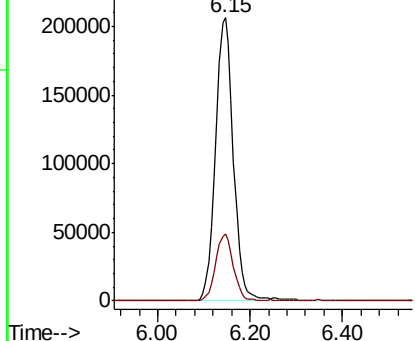


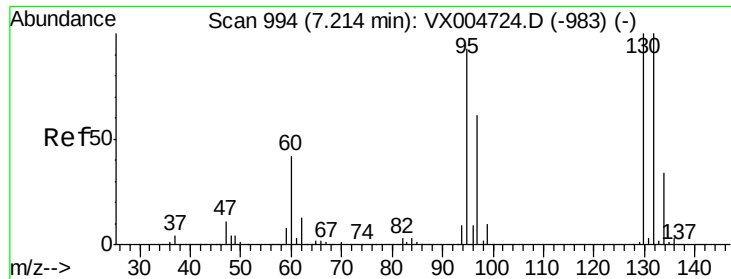
#40
Benzene
Concen: 40.023 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Tgt Ion: 78 Resp: 557561
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#44

Trichloroethene

Concen: 0.318 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

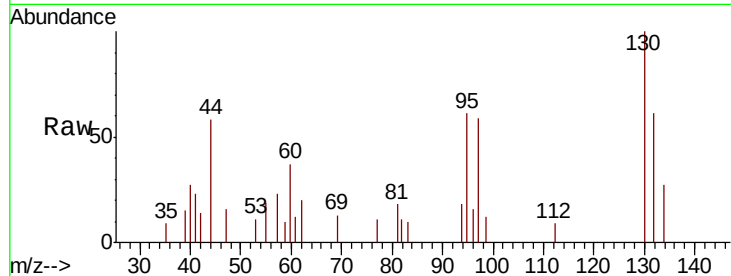
FA18-JMW-3202

Tot Ion:130 Resp: 1089

Ion Ratio Lower Upper

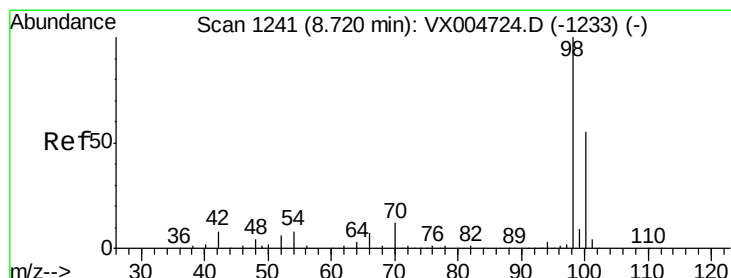
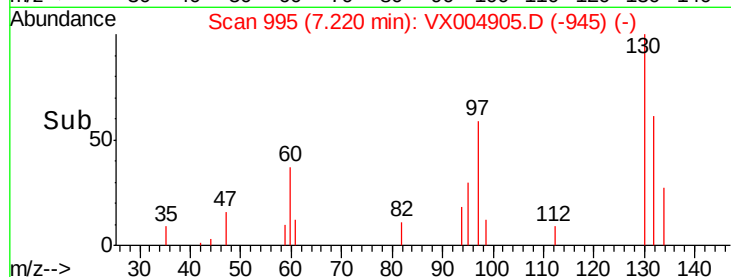
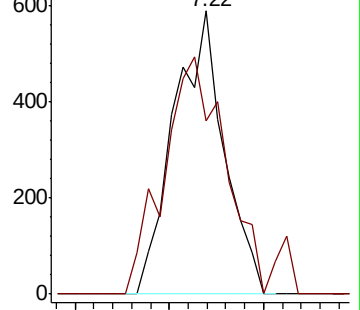
130 100

95 61.4 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.699 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004905.D

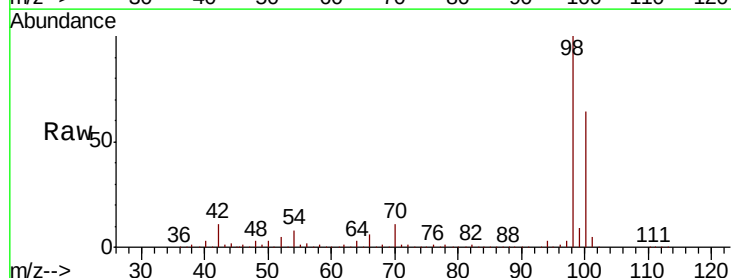
Acq: 02 Oct 2018 07:31

Tgt Ion: 98 Resp: 571399

Ion Ratio Lower Upper

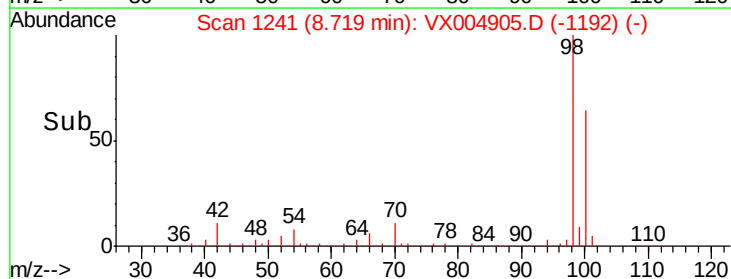
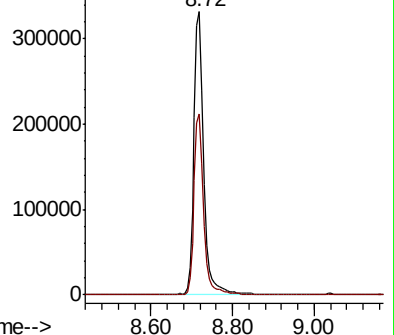
98 100

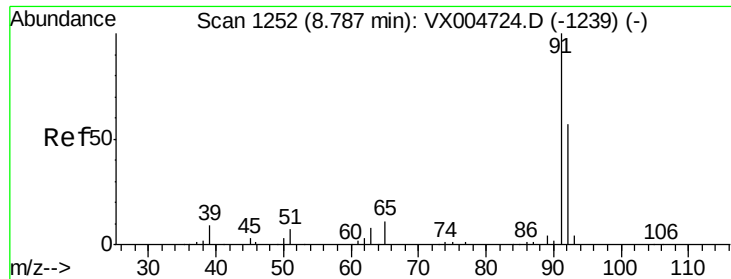
100 63.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 23.311 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

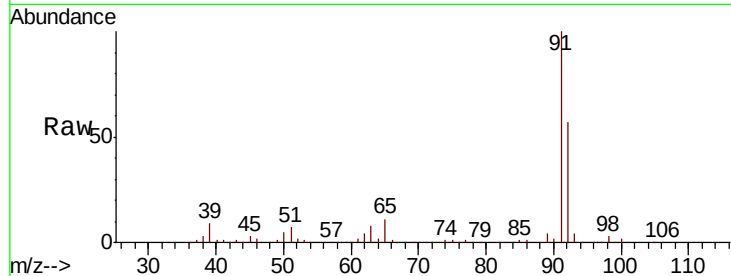
FA18-JMW-3202

Tot Ion: 92 Resp: 178440

Ion Ratio Lower Upper

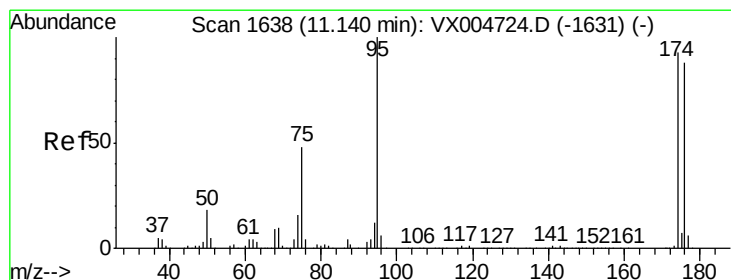
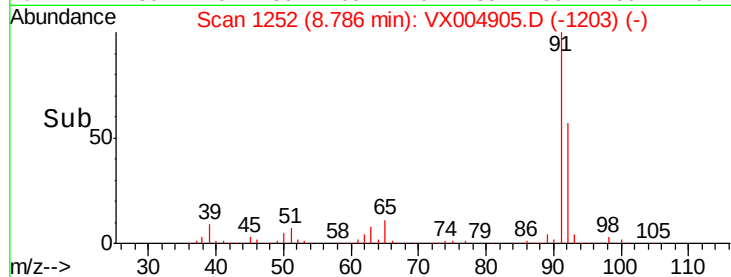
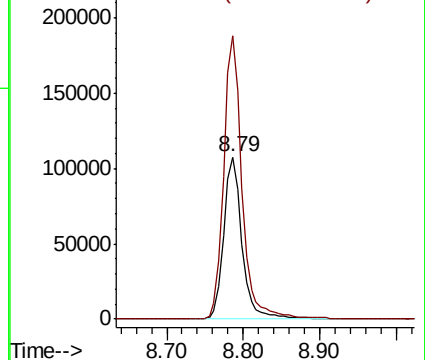
92 100

91 175.6 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.855 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

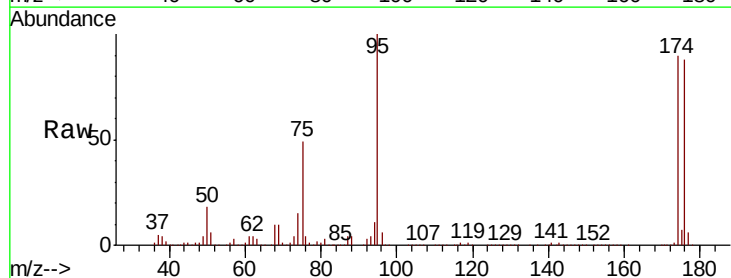
Tgt Ion: 95 Resp: 218176

Ion Ratio Lower Upper

95 100

174 89.0 0.0 185.2

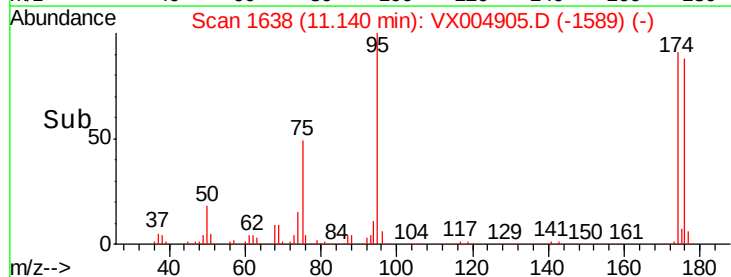
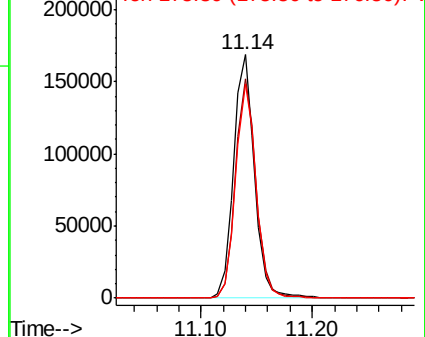
176 86.7 0.0 178.6

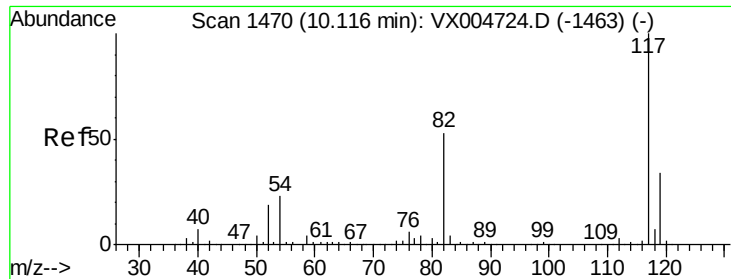


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

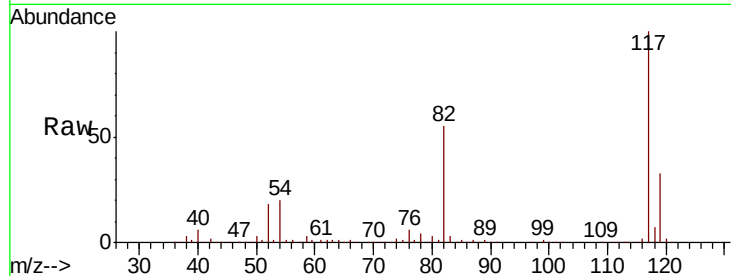




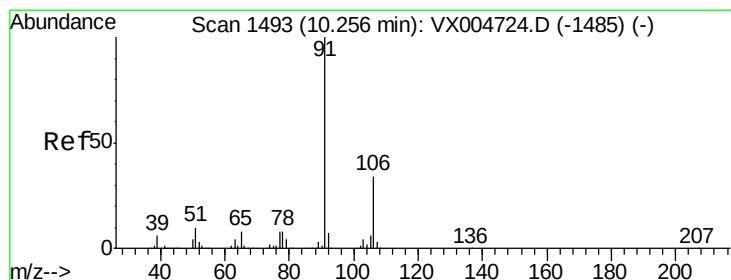
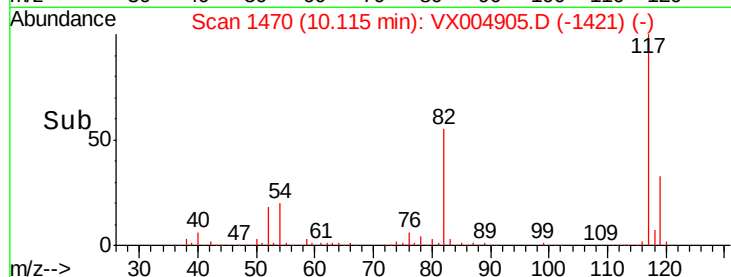
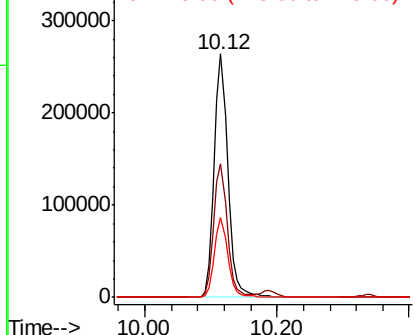
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :
FA18-JMW-3202

Tot Ion:117 Resp: 376090
Ion Ratio Lower Upper
117 100
82 54.8 47.8 71.6
119 32.7 29.3 43.9

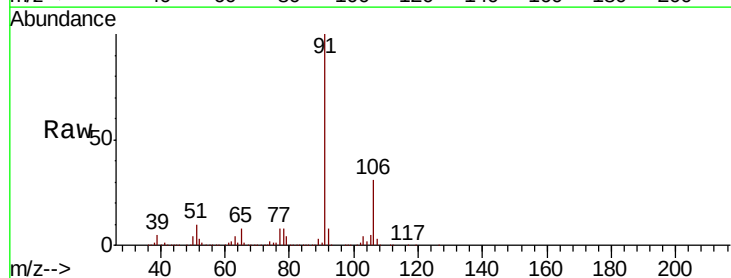


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

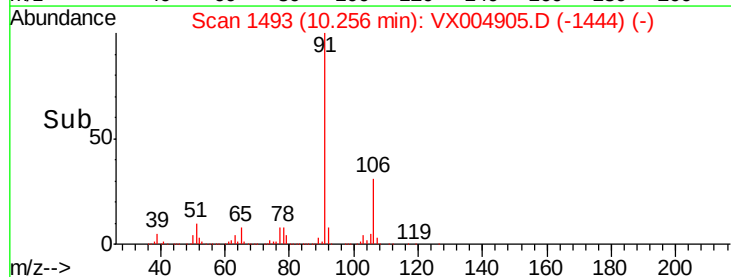
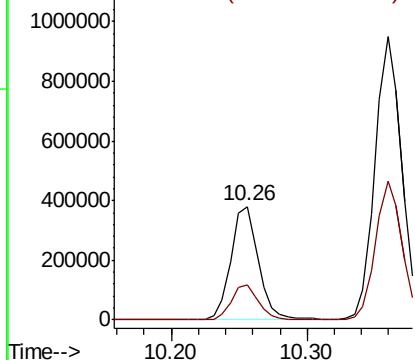


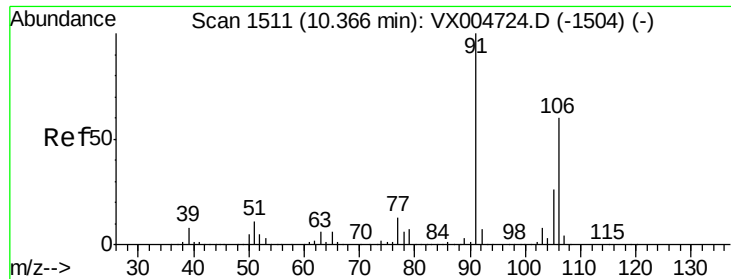
#67
Ethyl Benzene
Concen: 35.290 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Tgt Ion: 91 Resp: 540324
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



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





#68

m/p-Xylenes

Concen: 108.453 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

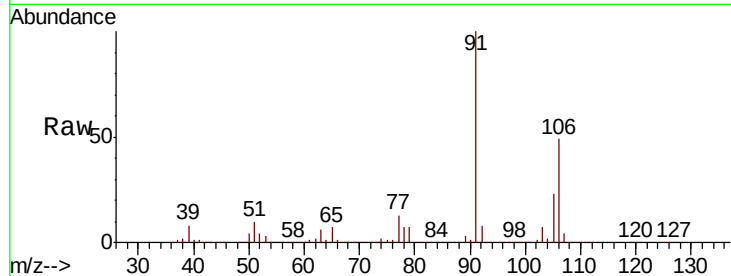
FA18-JMW-3202

Tot Ion:106 Resp: 648887

Ion Ratio Lower Upper

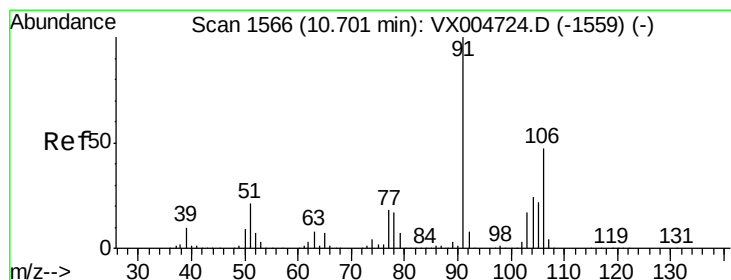
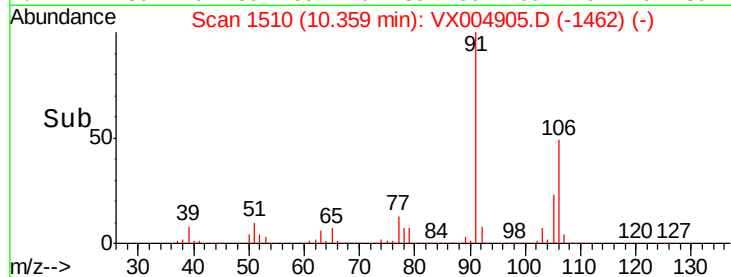
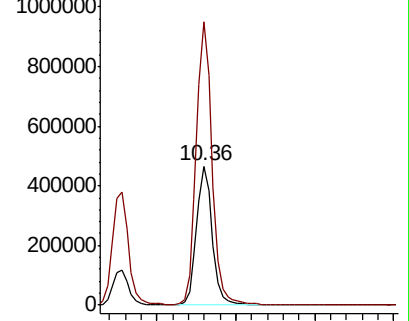
106 100

91 205.2 157.1 235.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 13.130 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VX004905.D

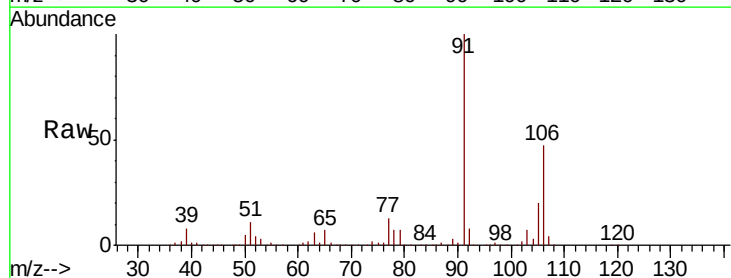
Acq: 02 Oct 2018 07:31

Tgt Ion:106 Resp: 72156

Ion Ratio Lower Upper

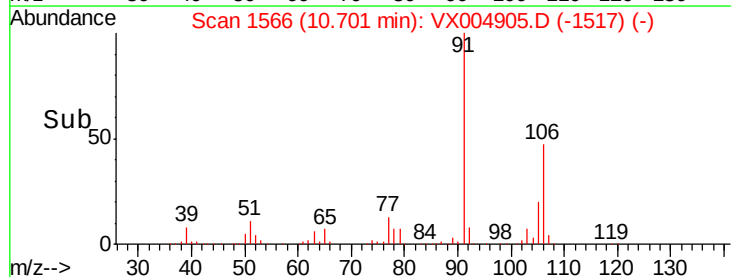
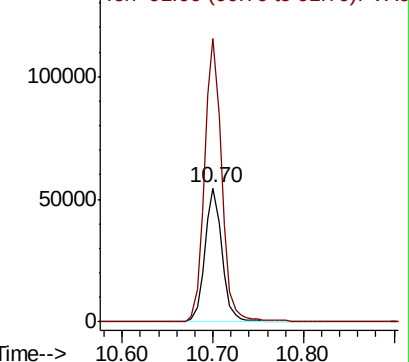
106 100

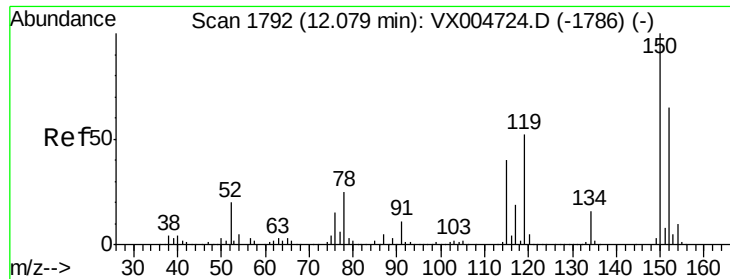
91 212.9 105.1 315.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



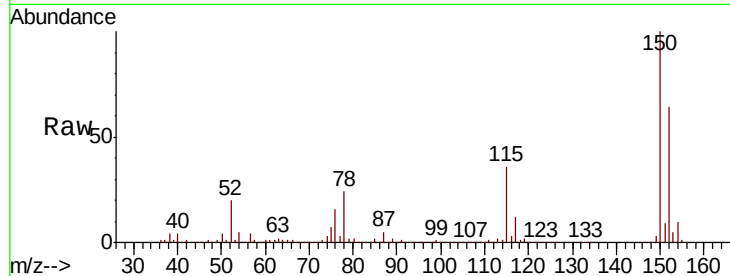


#72

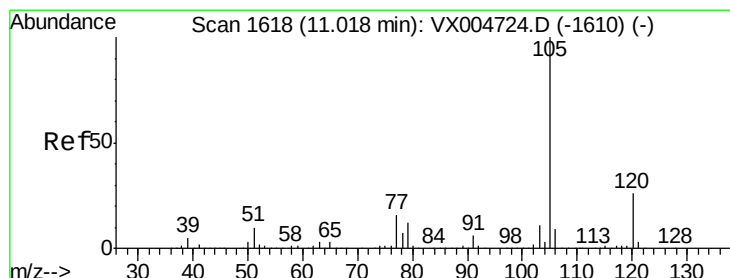
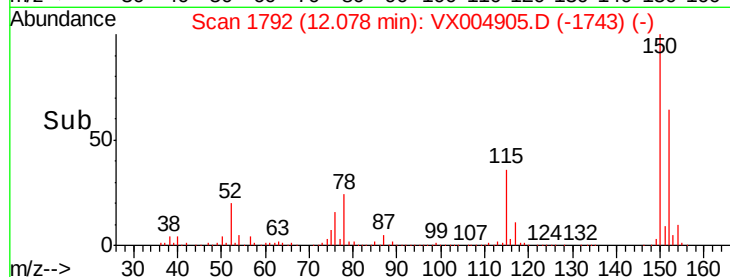
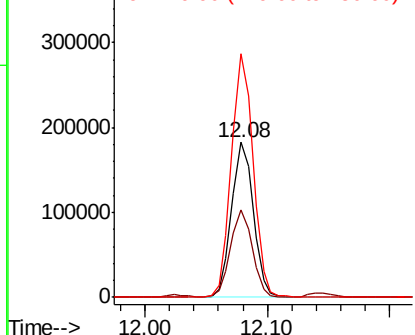
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :
FA18-JMW-3202

Tot Ion:152 Resp: 224654
Ion Ratio Lower Upper
152 100
115 56.3 39.0 117.0
150 156.3 0.0 351.0



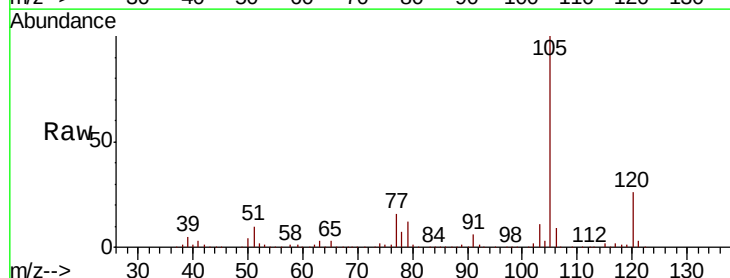
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



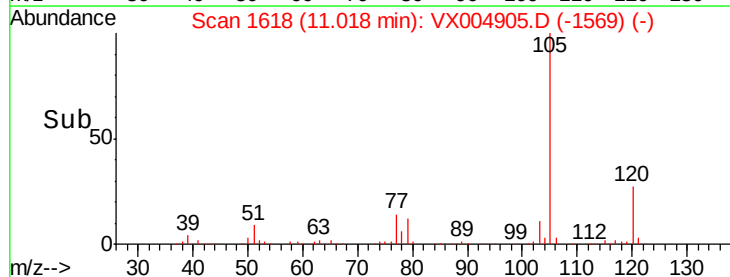
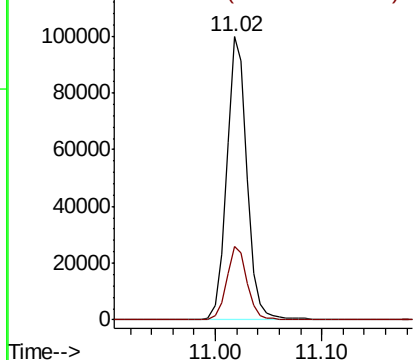
#73

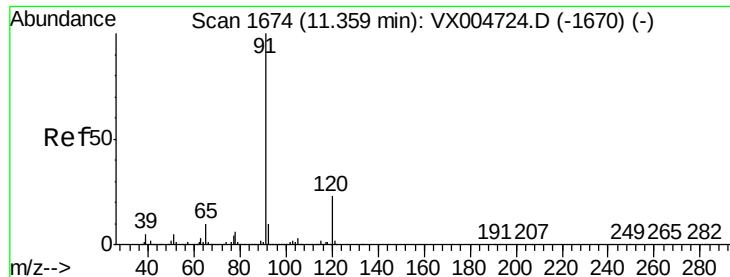
Isopropylbenzene
Concen: 9.373 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Tgt Ion:105 Resp: 132726
Ion Ratio Lower Upper
105 100
120 26.2 13.5 40.4



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





#78

n-propylbenzene

Concen: 9.926 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004905.D

Acq: 02 Oct 2018 07:31

Instrument :

MSVOA_X

ClientSampleId :

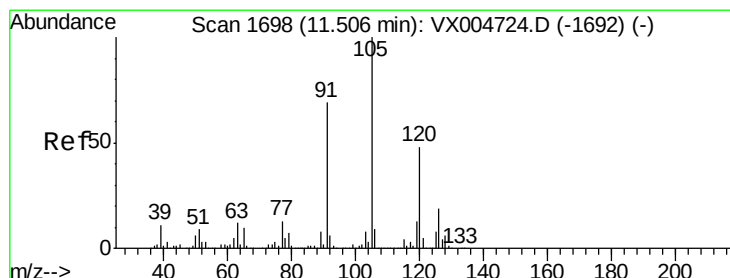
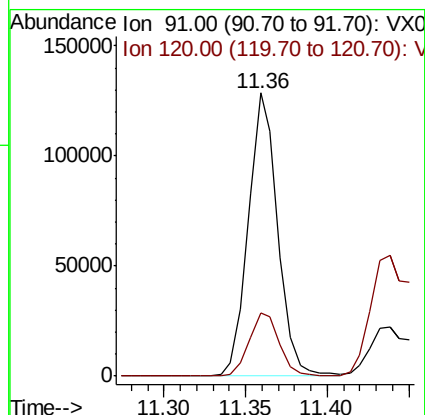
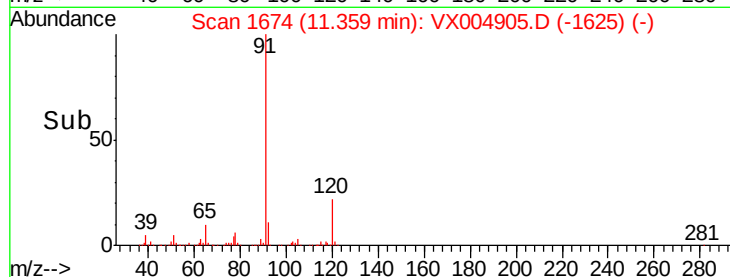
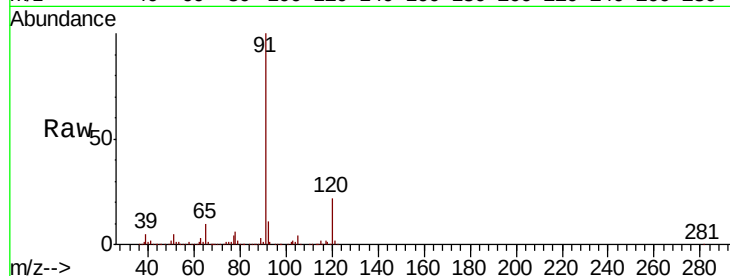
FA18-JMW-3202

Tot Ion: 91 Resp: 161277

Ion Ratio Lower Upper

91 100

120 23.0 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 14.835 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004905.D

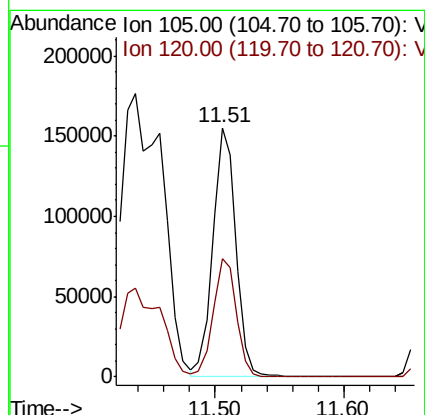
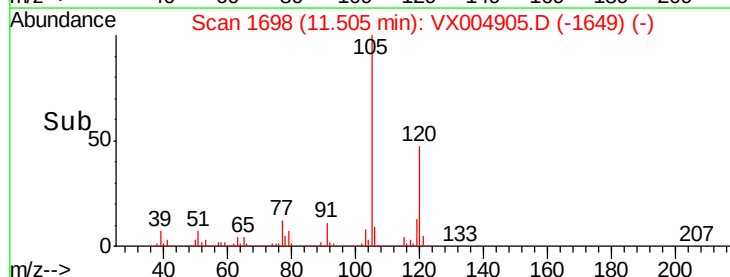
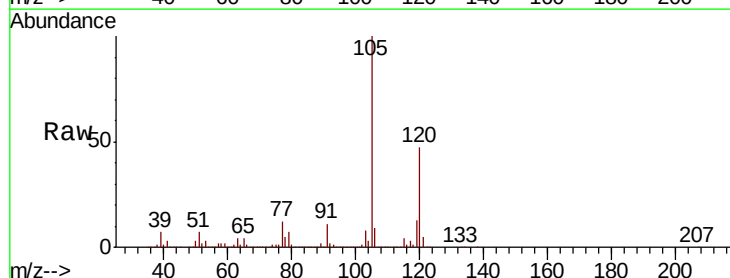
Acq: 02 Oct 2018 07:31

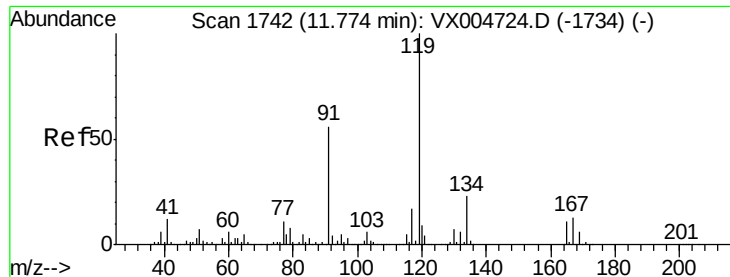
Tgt Ion: 105 Resp: 194341

Ion Ratio Lower Upper

105 100

120 48.1 25.6 76.8

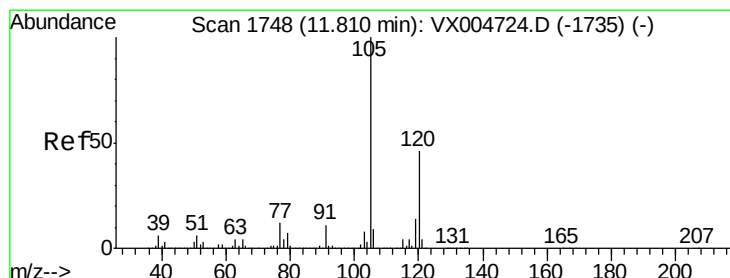
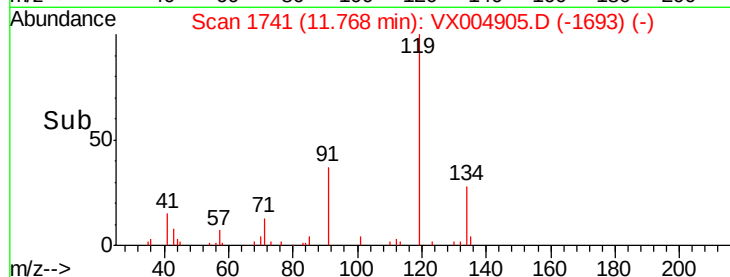
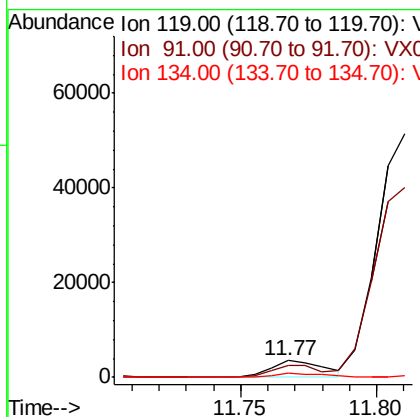
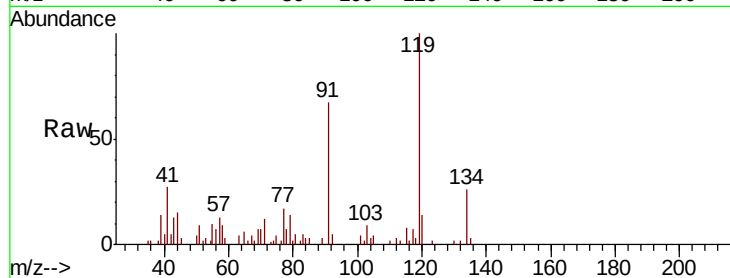




#83
 tert-Butylbenzene
 Concen: 0.412 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004905.D
 Acq: 02 Oct 2018 07:31

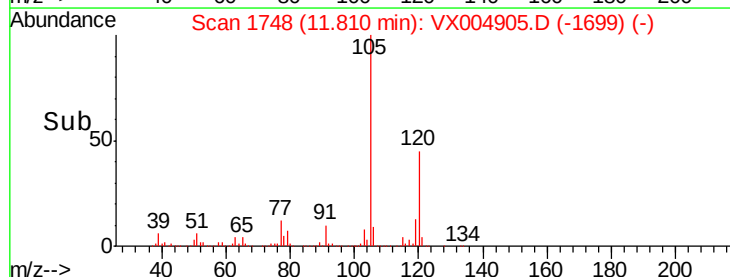
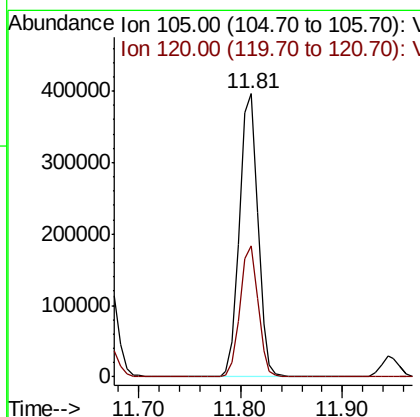
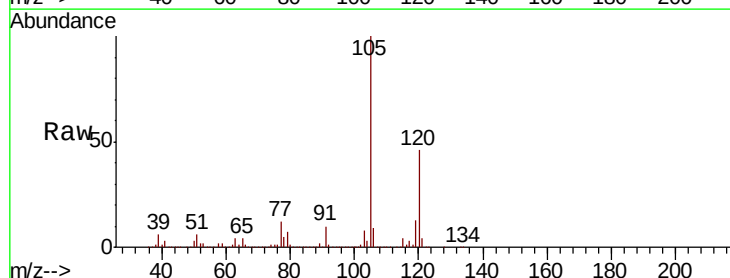
Instrument :
 MSVOA_X
 ClientSampled :
 FA18-JMW-3202

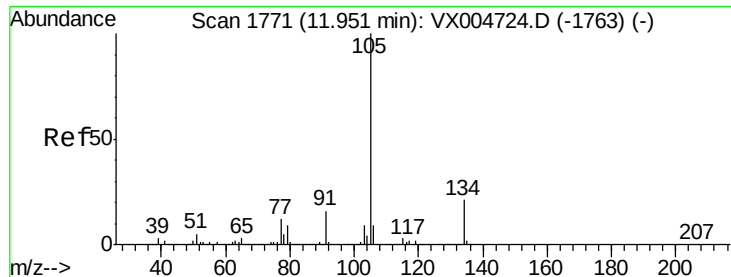
Tot Ion:119 Resp: 4799
 Ion Ratio Lower Upper
 119 100
 91 59.7 27.0 81.0
 134 24.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 36.461 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004905.D
 Acq: 02 Oct 2018 07:31

Tgt Ion:105 Resp: 488723
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.2 69.6

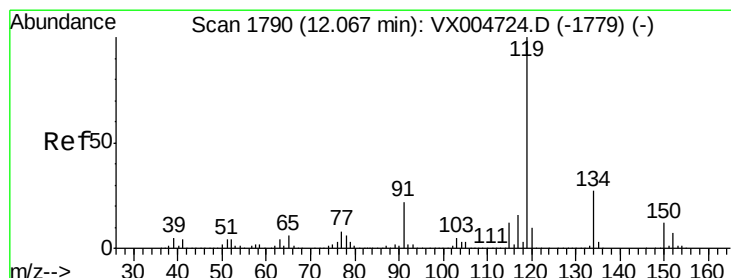
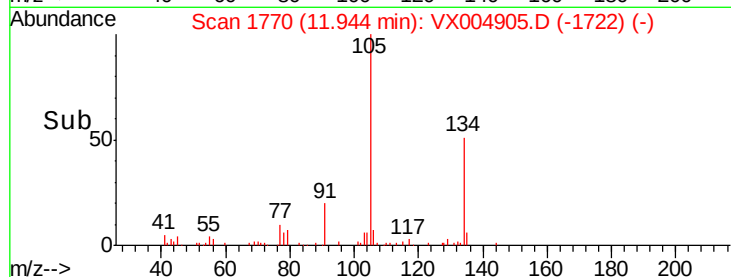
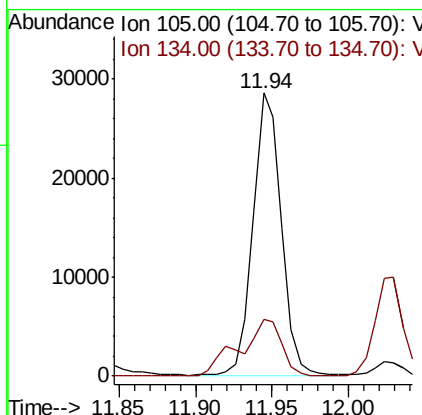
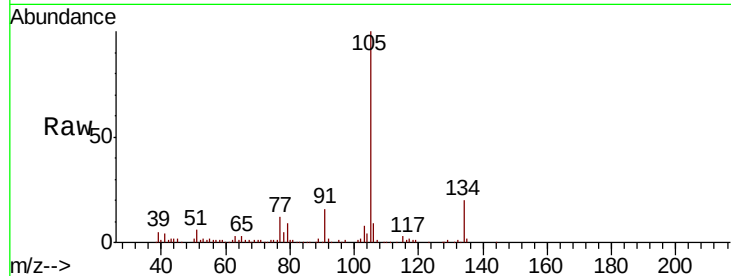




#85
 sec-Butylbenzene
 Concen: 2.564 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004905.D
 Acq: 02 Oct 2018 07:31

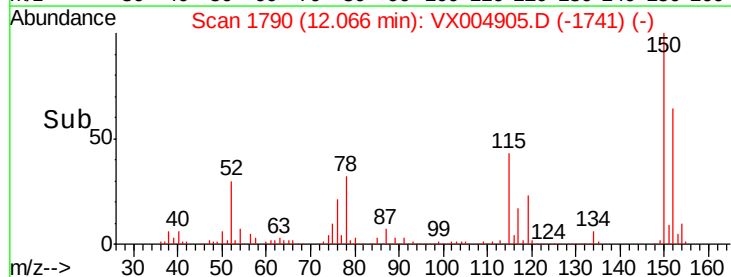
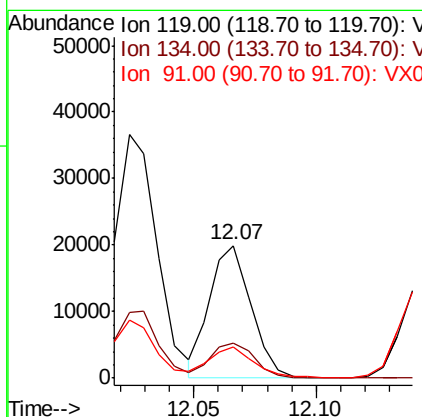
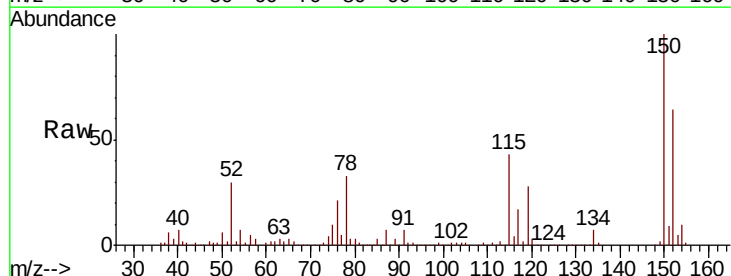
Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JMW-3202

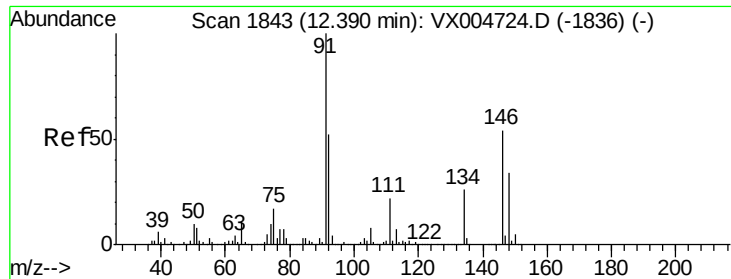
Tot Ion:105 Resp: 36409
 Ion Ratio Lower Upper
 105 100
 134 30.2 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 1.823 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX004905.D
 Acq: 02 Oct 2018 07:31

Tgt Ion:119 Resp: 23459
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.4 40.2
 91 24.3 10.9 32.7

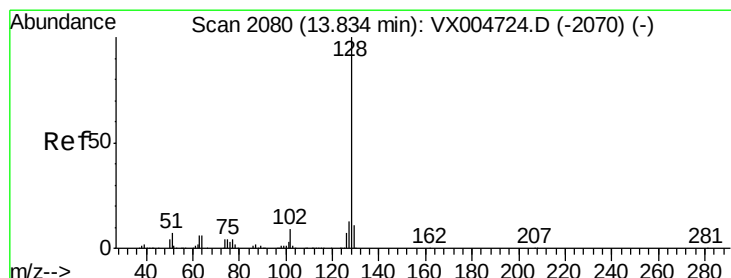
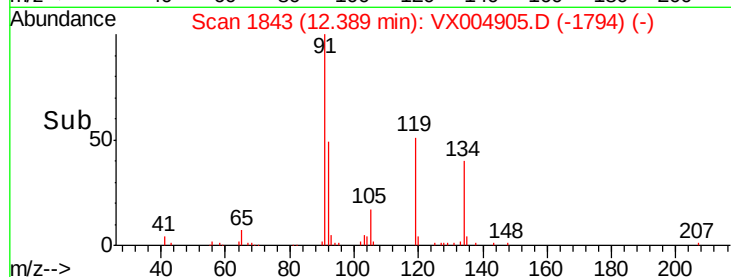
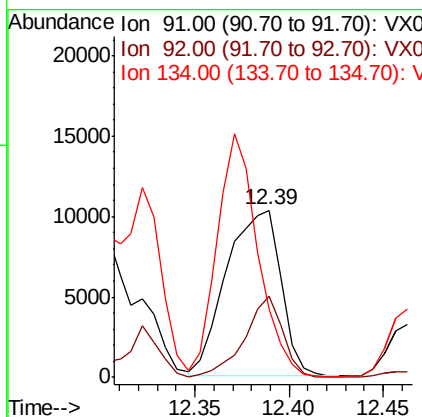
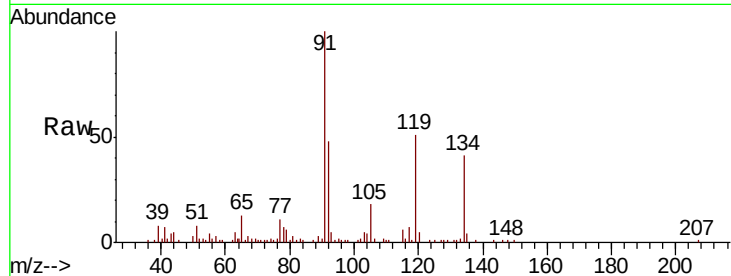




#89
n-Butylbenzene
Concen: 1.761 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Instrument :
MSVOA_X
ClientSampleId :
FA18-JMW-3202

Tot Ion: 91 Resp: 20579
Ion Ratio Lower Upper
91 100
92 34.7 27.3 81.9
134 110.9 13.6 40.7#



#95
Naphthalene
Concen: 6.777 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004905.D
Acq: 02 Oct 2018 07:31

Tgt Ion:128 Resp: 114851
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.8 8.6 12.8

