

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007947.D
 Acq On : 08 Mar 2019 22:41
 Operator : JC/SP
 Sample : K1801-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-1

Quant Time: Mar 09 05:44:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	266836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411470	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	394218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199311	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	145303	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	5.51	113	133679	50.79	ug/l	0.00
Spiked Amount			Recovery	=	101.58%	
50) Toluene-d8	8.71	98	507904	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
62) 4-Bromofluorobenzene	11.13	95	190634	56.25	ug/l	0.00
Spiked Amount			Recovery	=	112.50%	

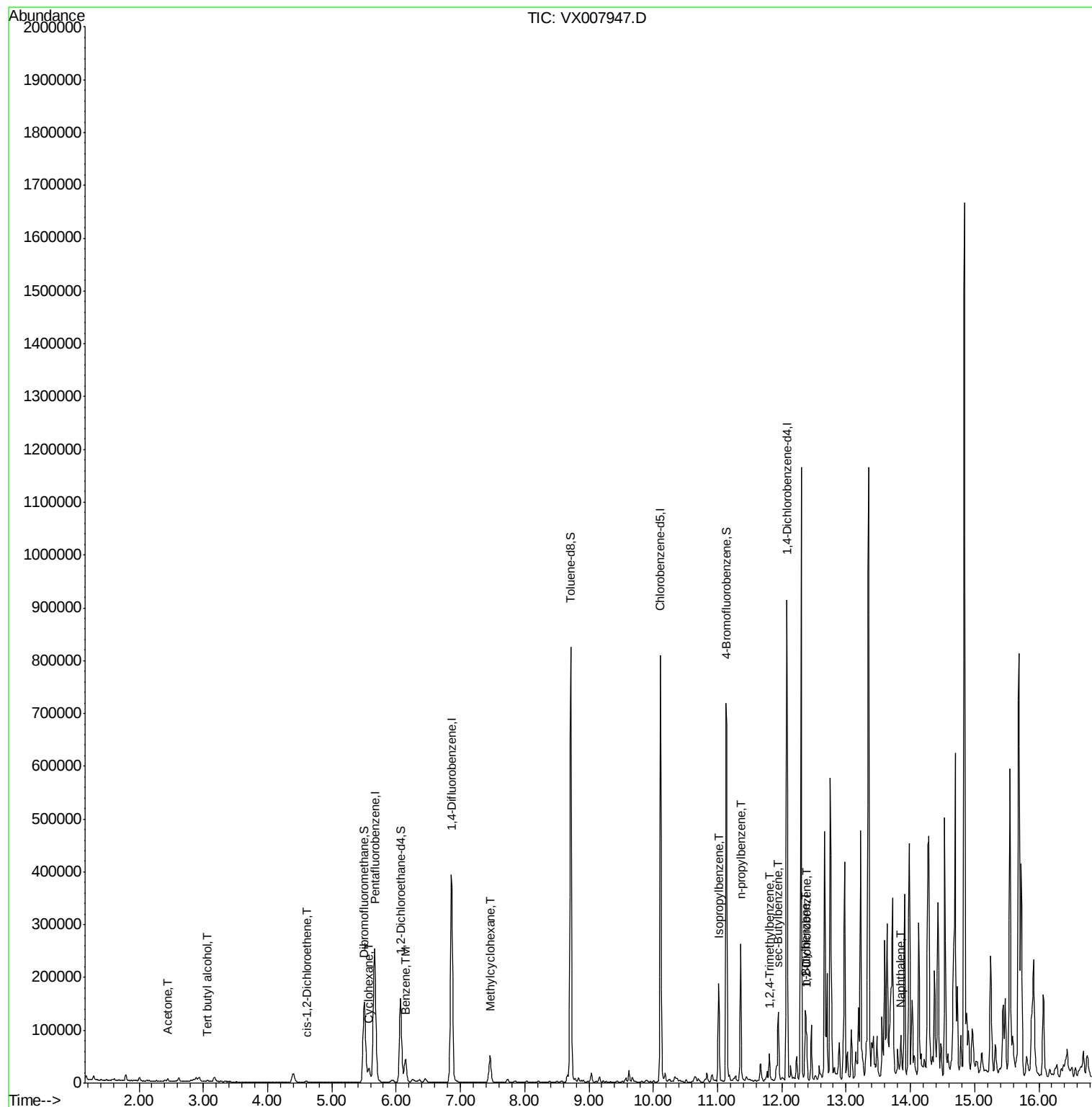
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	1939	3.080	ug/l #	92
16) Acetone	2.45	43	4513	2.770	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	1069	0.374	ug/l	75
31) Cyclohexane	5.57	56	17745	4.103	ug/l	97
39) Methylcyclohexane	7.46	83	21835	4.837	ug/l	93
40) Benzene	6.15	78	53191	4.796	ug/l	99
73) Isopropylbenzene	11.02	105	94814	7.034	ug/l	100
78) n-propylbenzene	11.36	91	160430	10.728	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	22442	1.973	ug/l	98
85) sec-Butylbenzene	11.94	105	68635	5.215	ug/l	90
89) n-Butylbenzene	12.38	91	41079	4.113	ug/l #	73
91) 1,2-Dichlorobenzene	12.39	146	2396	0.369	ug/l	88
95) Naphthalene	13.83	128	10483	0.797	ug/l #	87

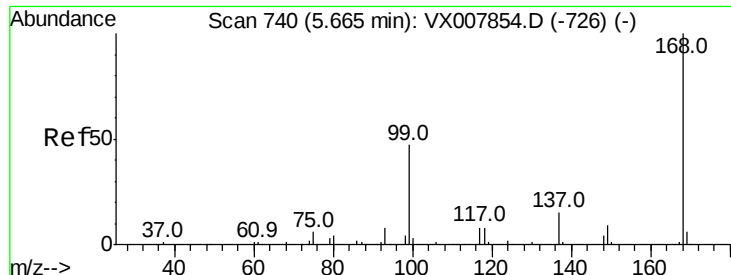
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:33:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

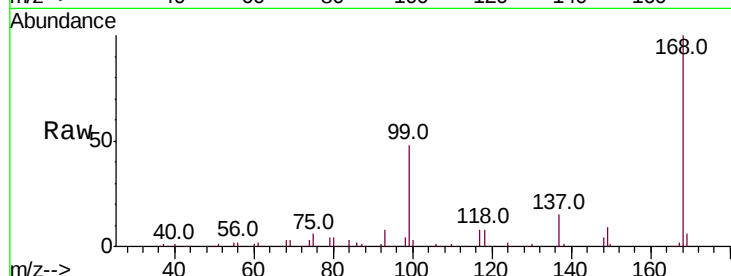
Instrument :
MSVOA_X
ClientSampled :
RW-1

Tot Ion:168 Resp: 266836

Ion Ratio Lower Upper

168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

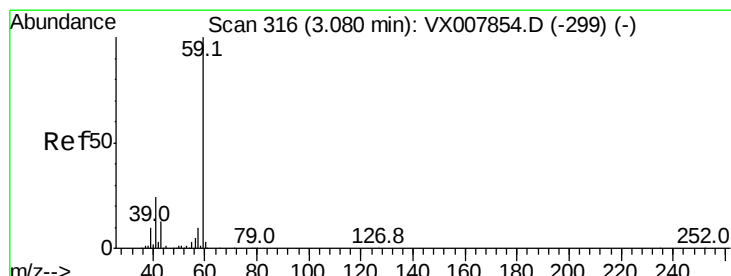
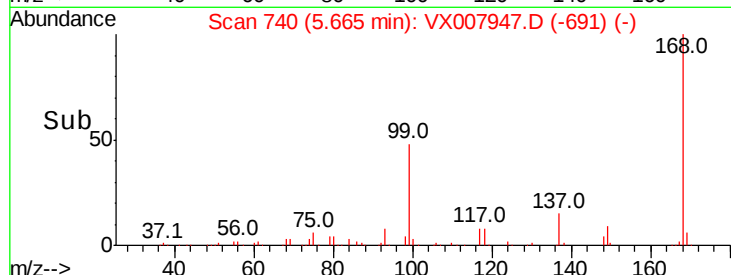
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#11

Tert butyl alcohol

Concen: 3.080 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX007947.D

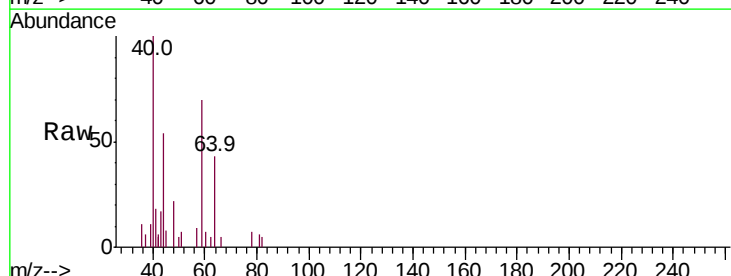
Acq: 08 Mar 2019 22:41

Tgt Ion: 59 Resp: 1939

Ion Ratio Lower Upper

59 100

57 13.4 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

2000

1500

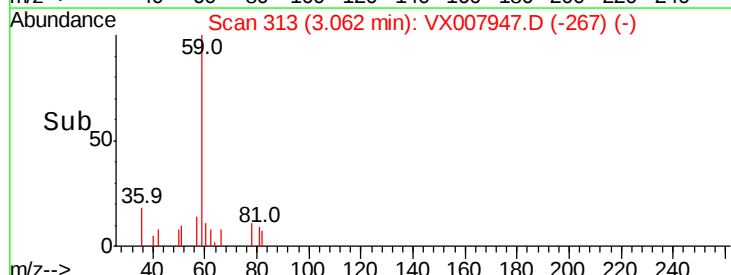
1000

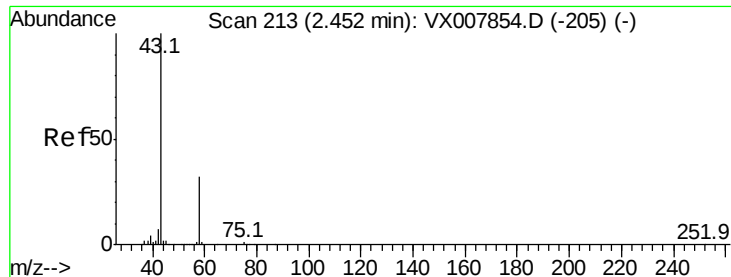
500

0

Time-->

2.95 3.00 3.05 3.10 3.15





#16

Acetone

Concen: 2.770 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampled :

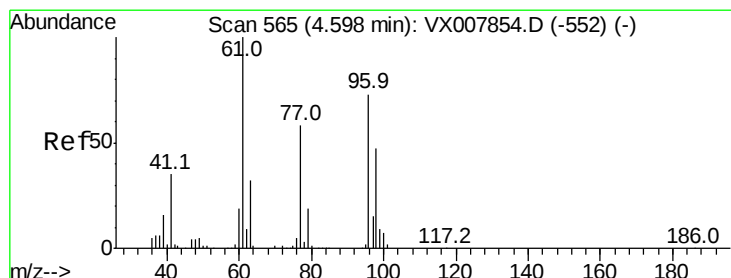
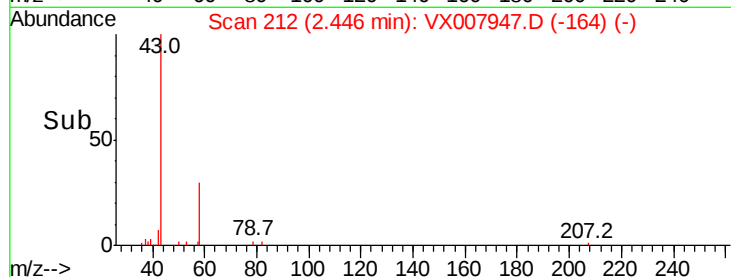
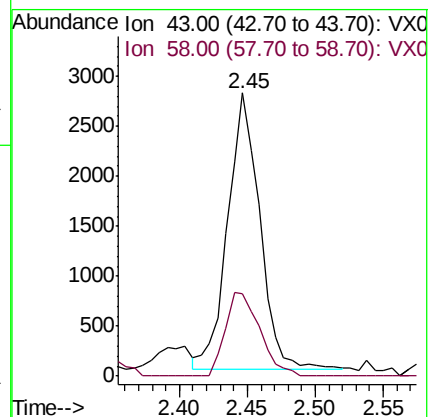
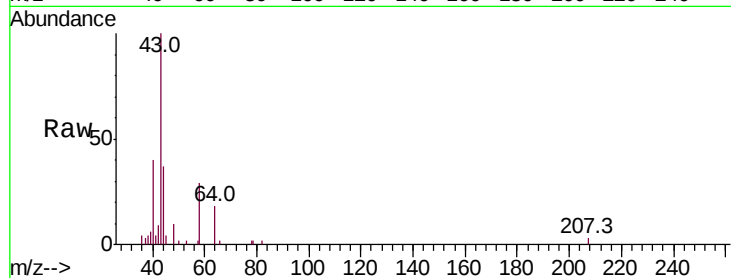
RW-1

Tot Ion: 43 Resp: 4513

Ion Ratio Lower Upper

43 100

58 29.8 25.5 38.3



#27

cis-1,2-Dichloroethene

Concen: 0.374 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

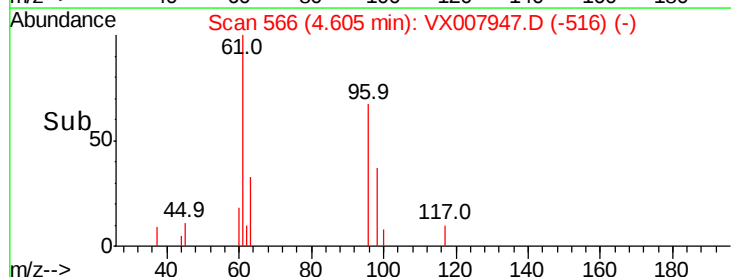
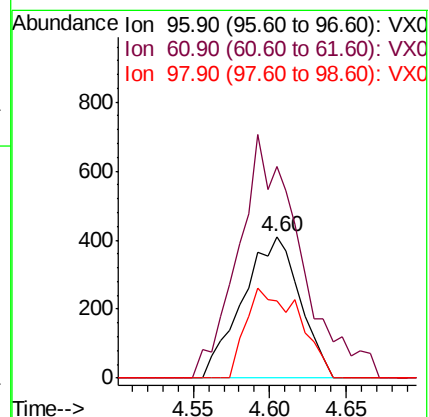
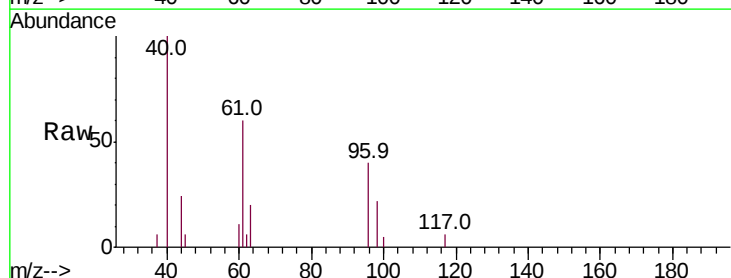
Tgt Ion: 96 Resp: 1069

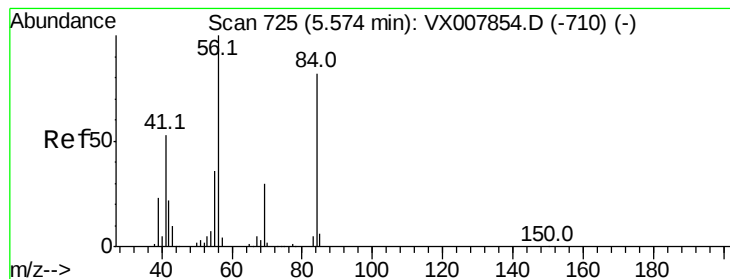
Ion Ratio Lower Upper

96 100

61 185.6 0.0 288.0

98 59.1 0.0 129.0





#31

Cyclohexane

Concen: 4.103 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampleId :

RW-1

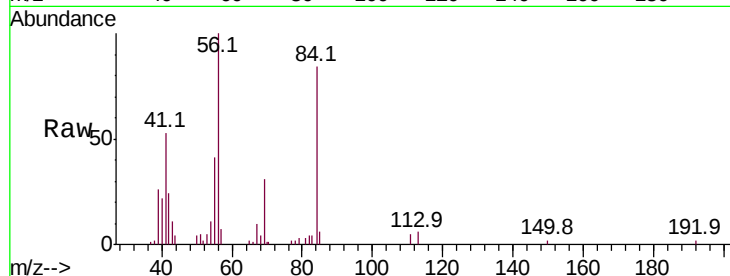
Tot Ion: 56 Resp: 17745

Ion Ratio Lower Upper

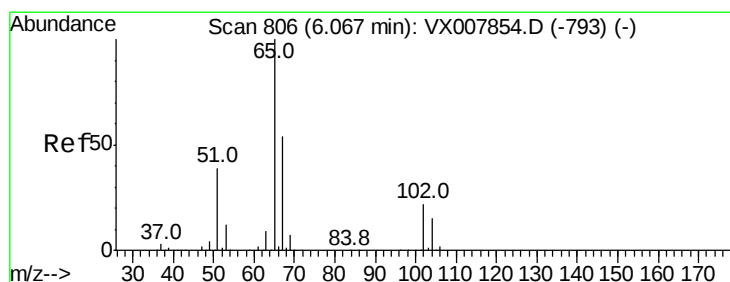
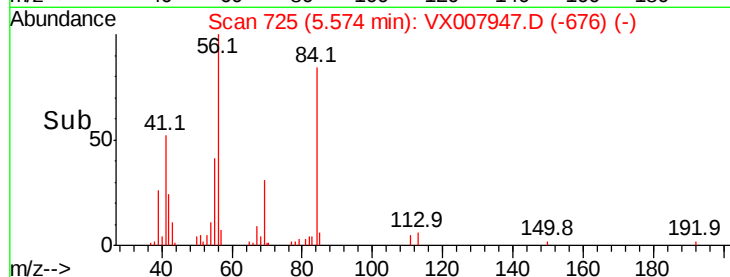
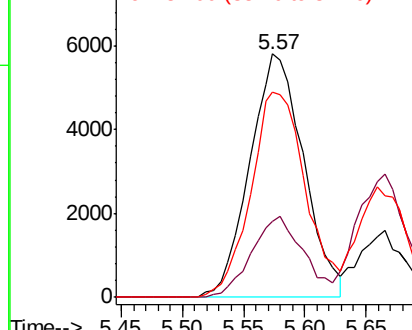
56 100

69 31.0 24.0 36.0

84 84.4 65.3 97.9



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: 51.620 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007947.D

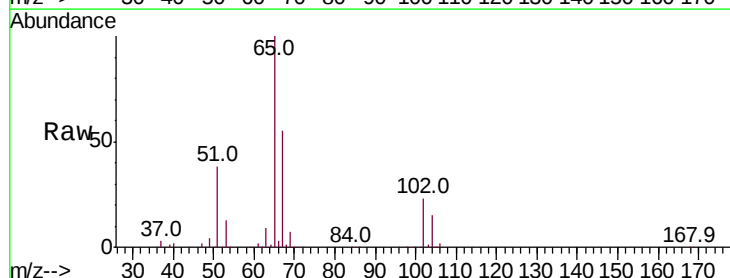
Acq: 08 Mar 2019 22:41

Tgt Ion: 65 Resp: 145303

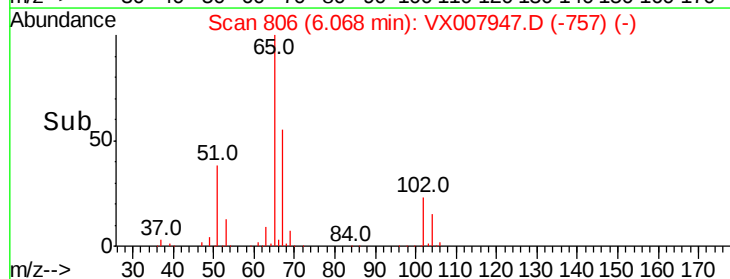
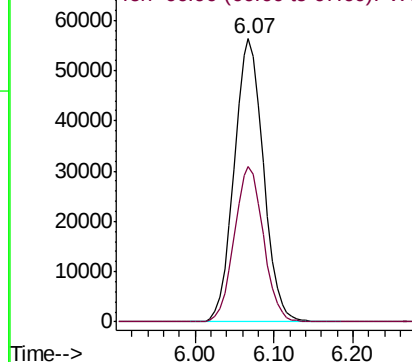
Ion Ratio Lower Upper

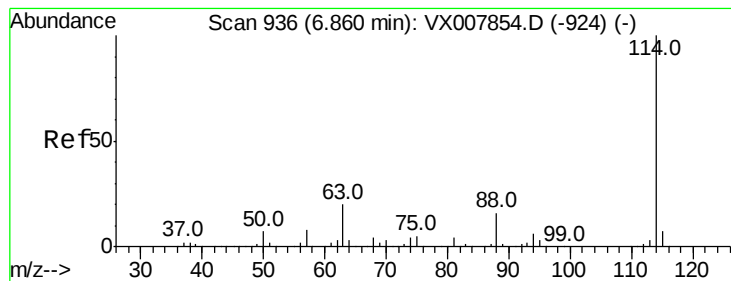
65 100

67 54.6 0.0 110.0



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: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampleId :

RW-1

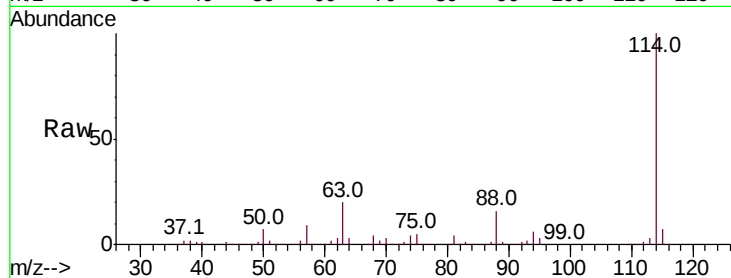
Tot Ion:114 Resp: 411470

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

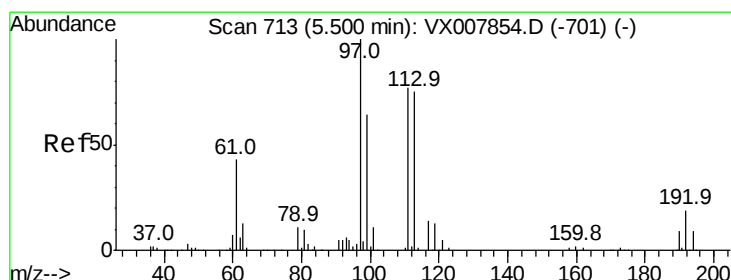
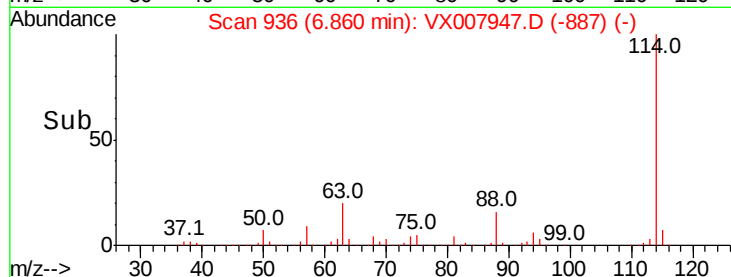
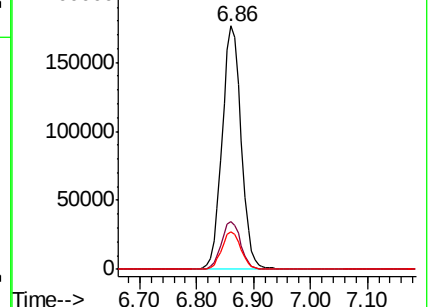
88 15.5 0.0 31.4



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: 50.789 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

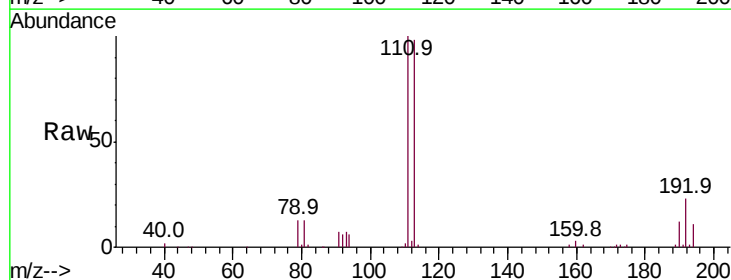
Tgt Ion:113 Resp: 133679

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

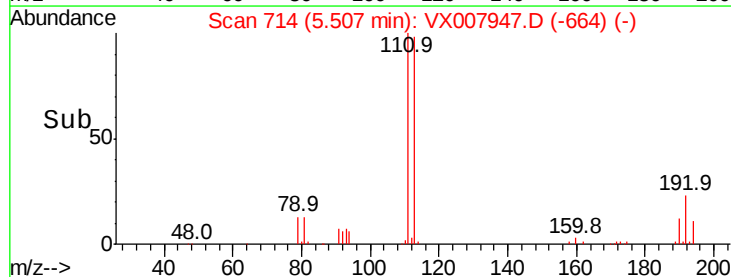
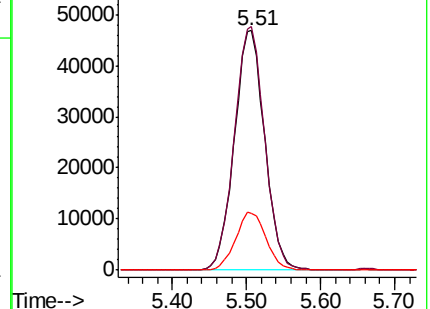
192 24.2 19.4 29.0

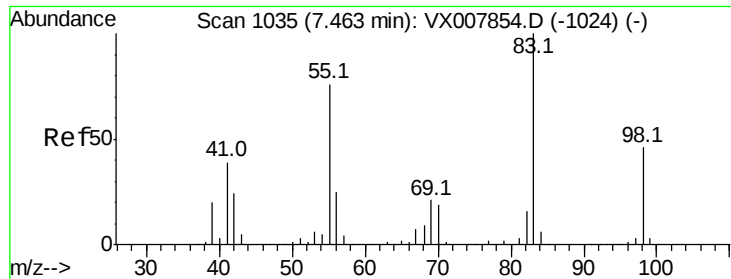


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

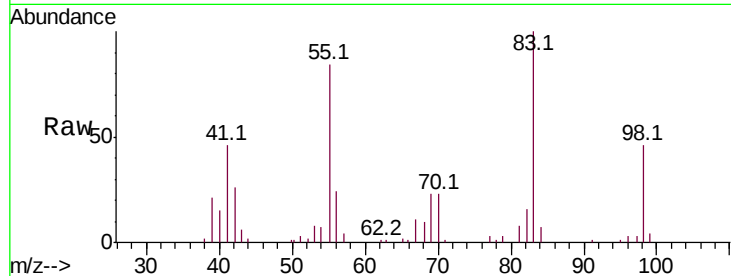




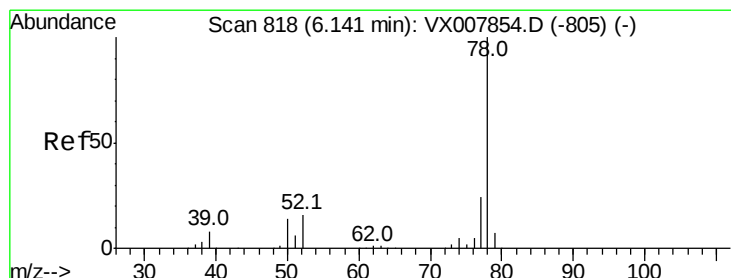
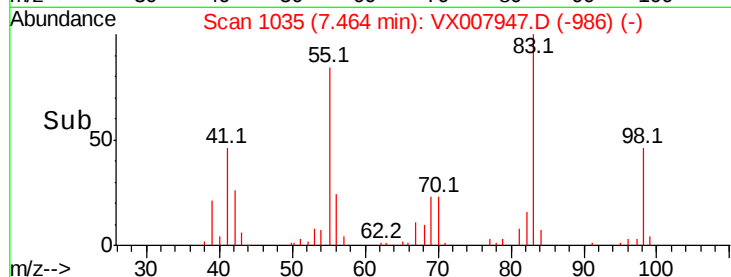
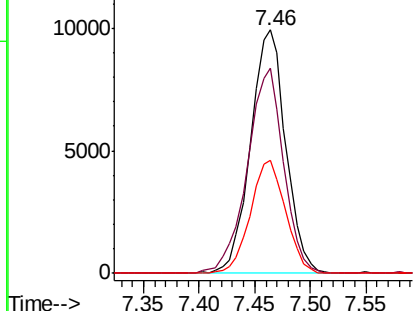
#39
Methvlcvclohexane
Concen: 4.837 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Instrument :
MSVOA_X
ClientSampled :
RW-1

Tot Ion: 83 Resp: 21835
Ion Ratio Lower Upper
83 100
55 84.2 60.4 90.6
98 46.4 36.5 54.7

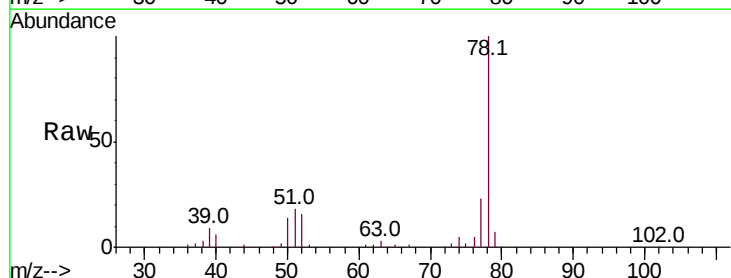


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

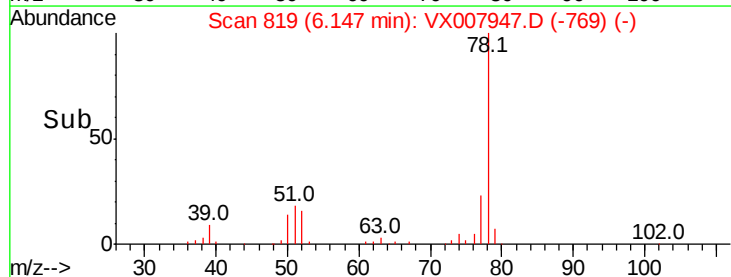
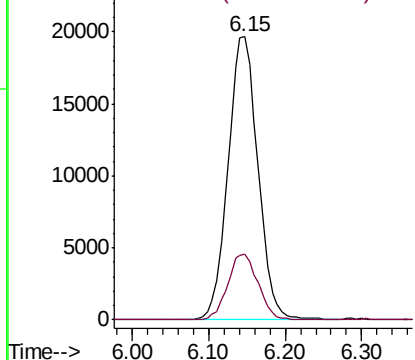


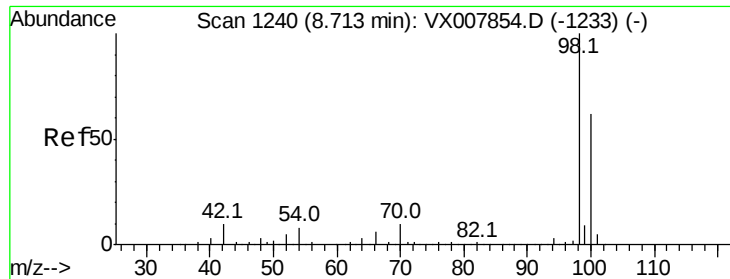
#40
Benzene
Concen: 4.796 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Tgt Ion: 78 Resp: 53191
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4



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





#50

Toluene-d8

Concen: 52.544 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampleId :

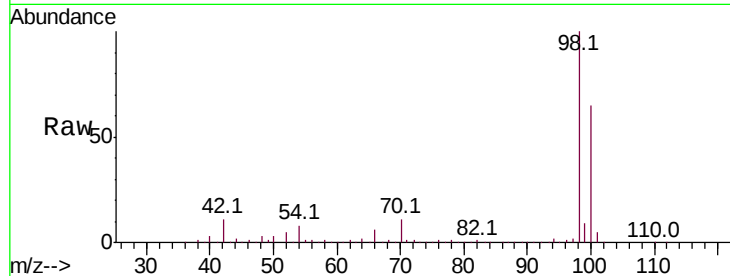
RW-1

Tot Ion: 98 Resp: 507904

Ion Ratio Lower Upper

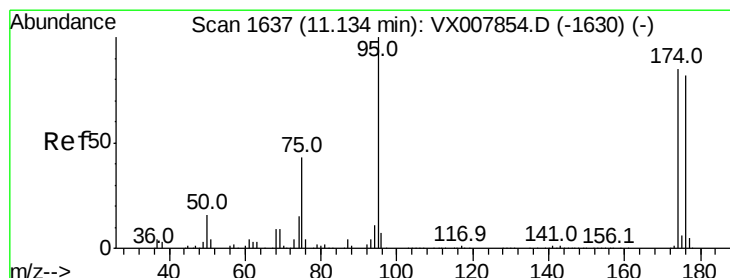
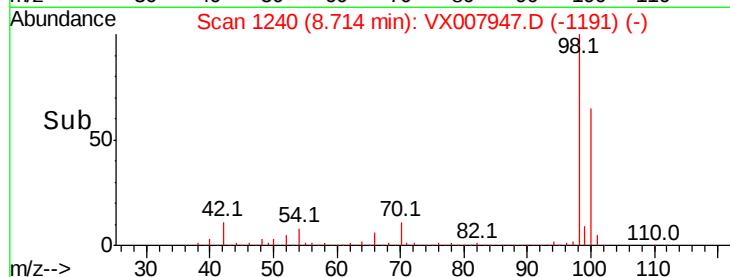
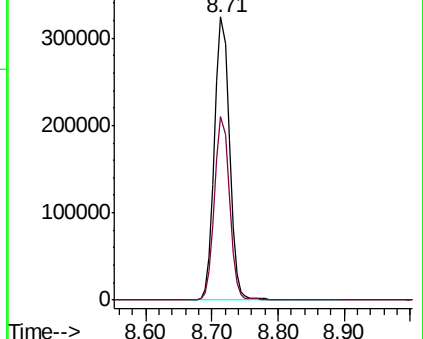
98 100

100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 56.250 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

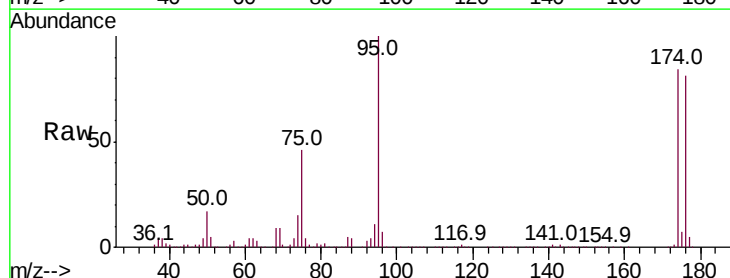
Tgt Ion: 95 Resp: 190634

Ion Ratio Lower Upper

95 100

174 92.3 0.0 182.8

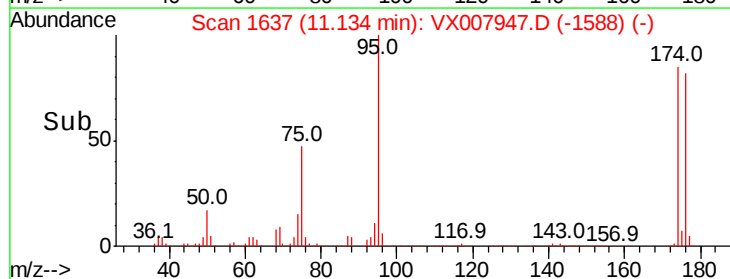
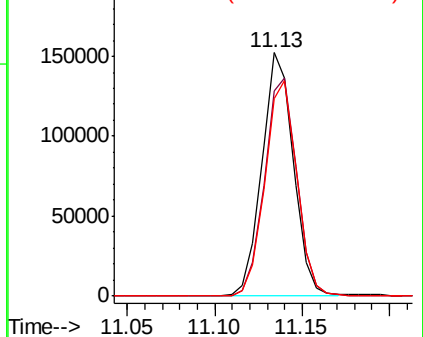
176 89.7 0.0 178.0

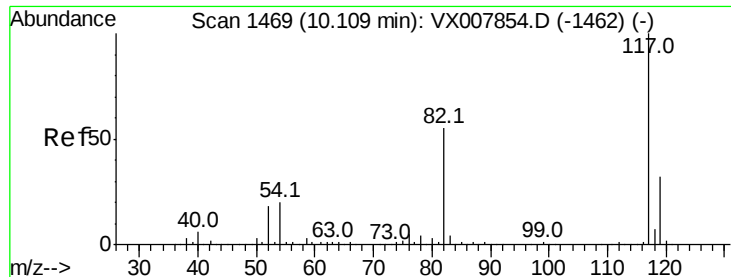


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

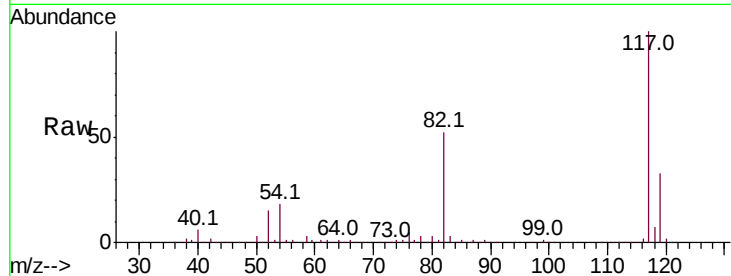




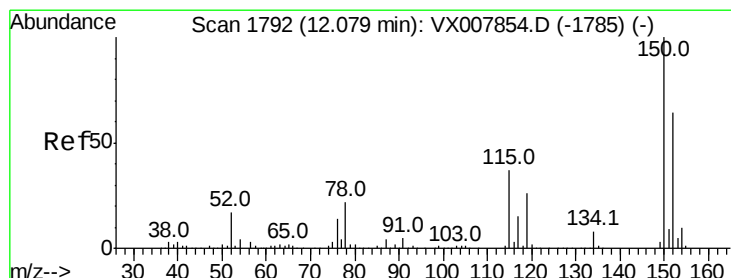
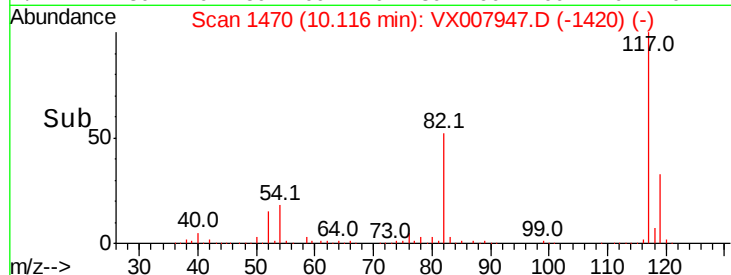
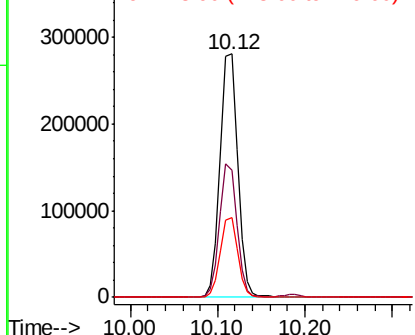
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Instrument :
MSVOA_X
ClientSampled :
RW-1

Tot Ion:117 Resp: 394218
Ion Ratio Lower Upper
117 100
82 52.0 44.3 66.5
119 32.5 25.3 37.9

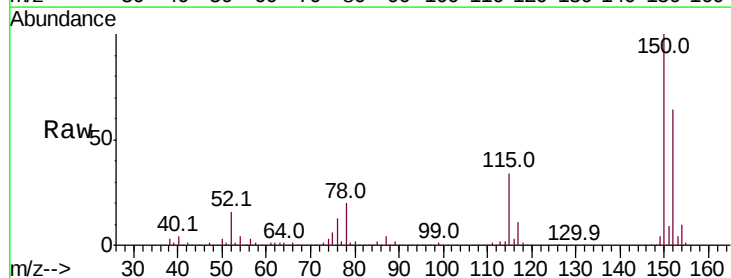


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

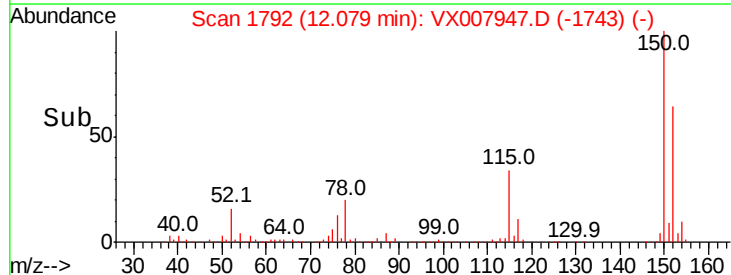
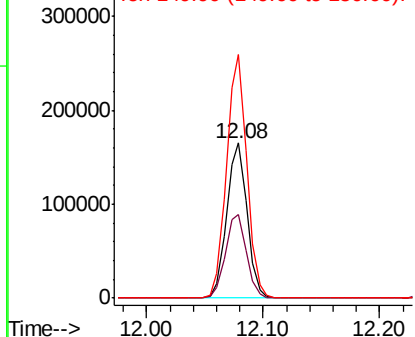


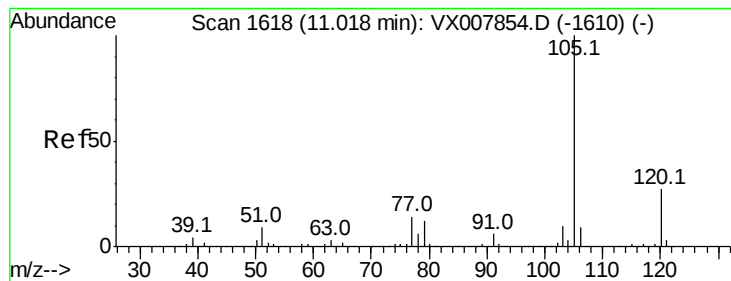
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Tgt Ion:152 Resp: 199311
Ion Ratio Lower Upper
152 100
115 55.1 38.6 115.7
150 156.8 0.0 348.4



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: 7.034 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampleId :

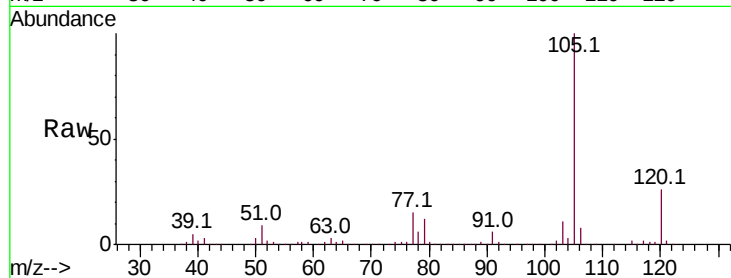
RW-1

Tot Ion:105 Resp: 94814

Ion Ratio Lower Upper

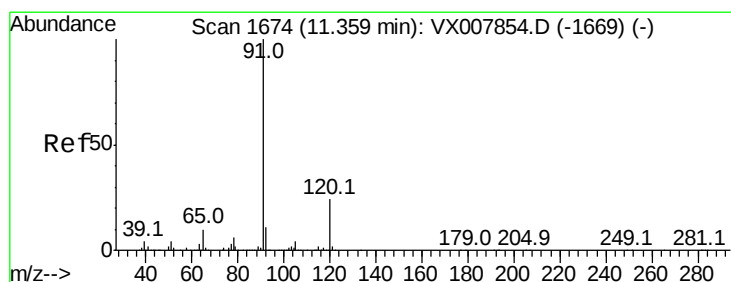
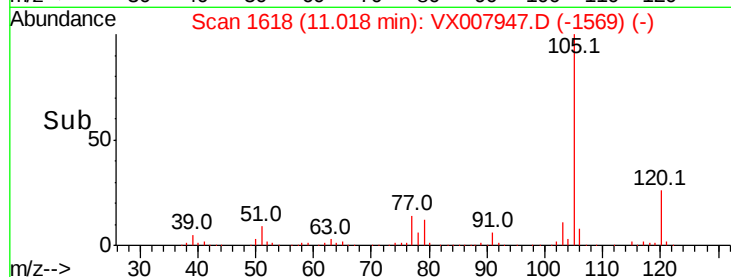
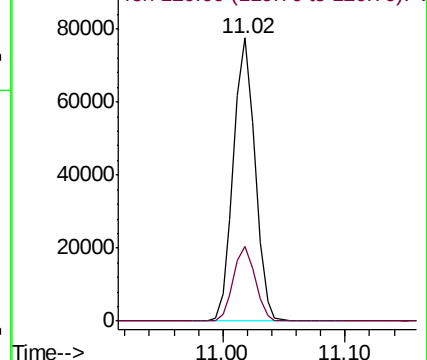
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 10.728 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007947.D

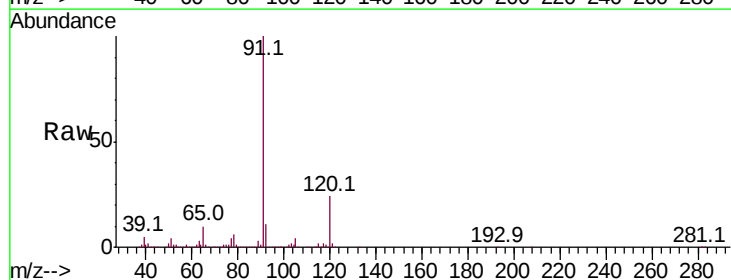
Acq: 08 Mar 2019 22:41

Tgt Ion: 91 Resp: 160430

Ion Ratio Lower Upper

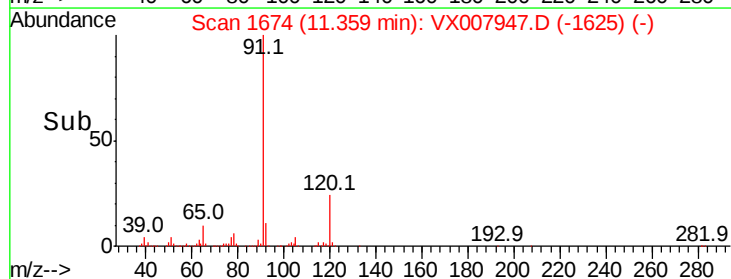
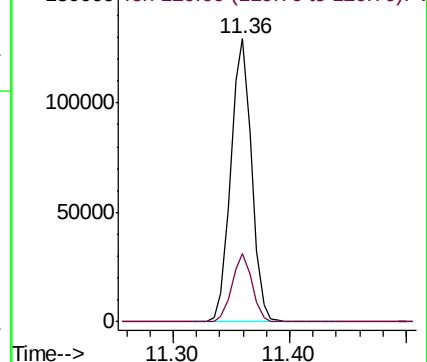
91 100

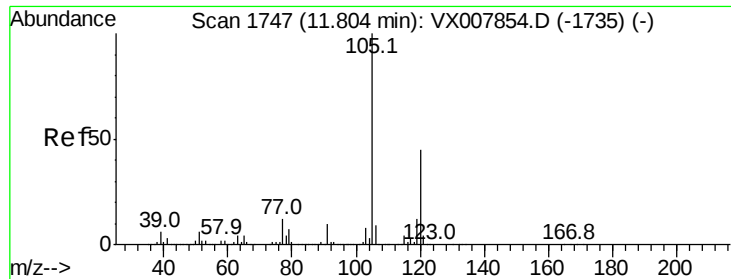
120 23.3 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

150000 Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 1.973 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007947.D

Acq: 08 Mar 2019 22:41

Instrument :

MSVOA_X

ClientSampled :

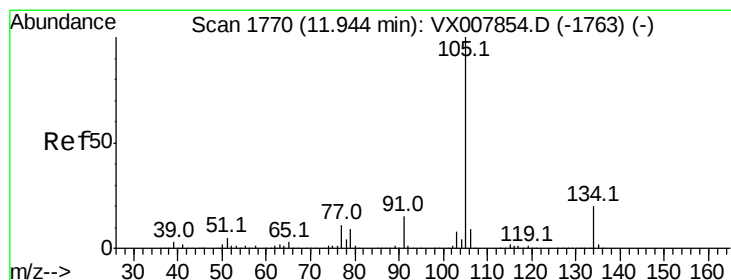
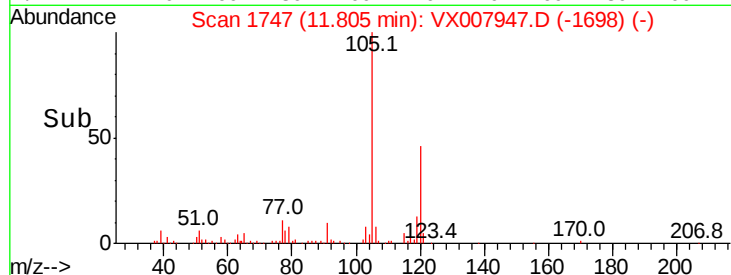
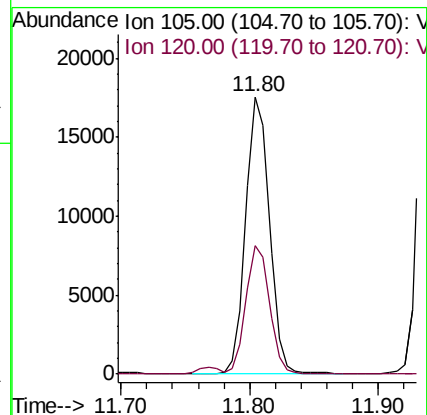
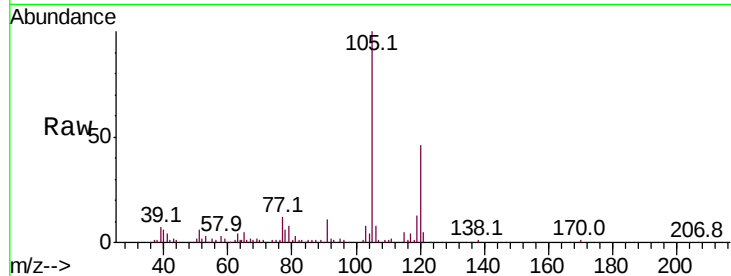
RW-1

Tot Ion:105 Resp: 22442

Ion Ratio Lower Upper

105 100

120 46.2 22.6 67.7



#85

sec-Butylbenzene

Concen: 5.215 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX007947.D

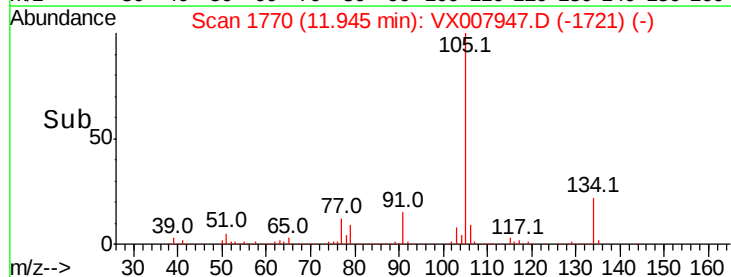
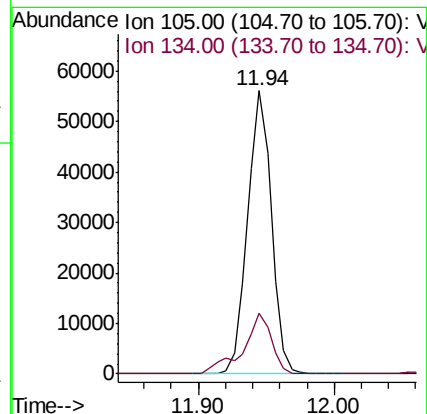
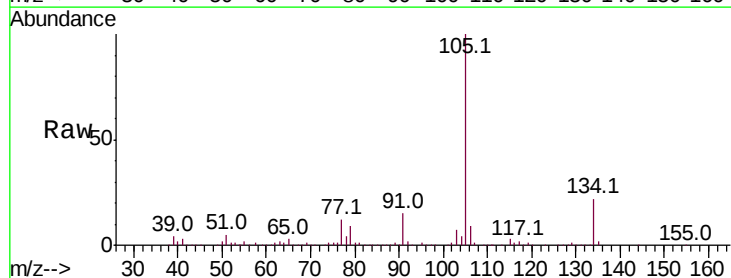
Acq: 08 Mar 2019 22:41

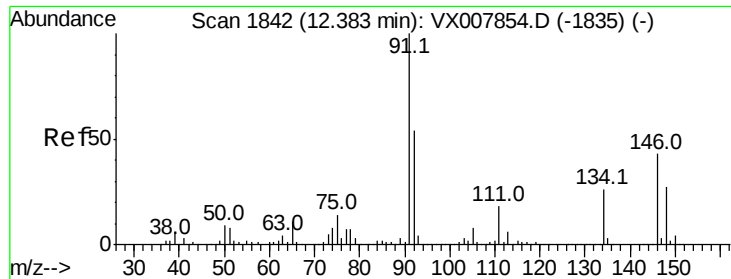
Tgt Ion:105 Resp: 68635

Ion Ratio Lower Upper

105 100

134 25.6 10.4 31.2

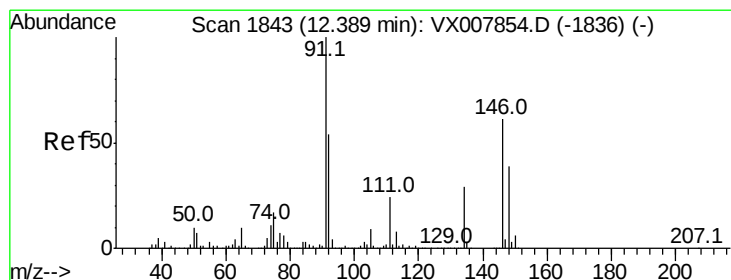
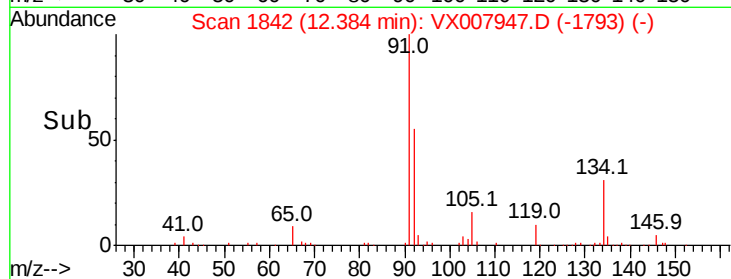
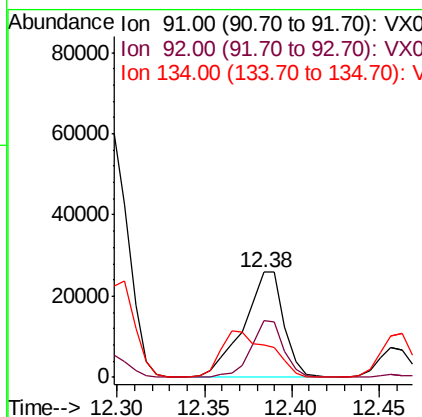
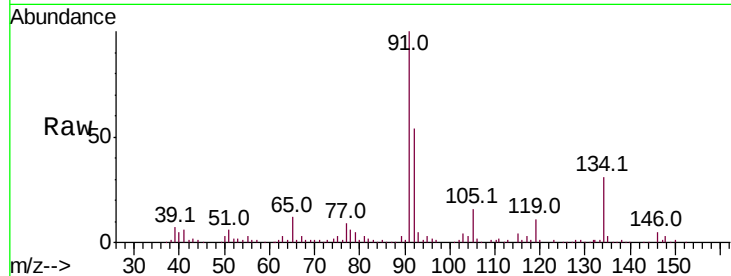




#89
n-Butylbenzene
Concen: 4.113 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

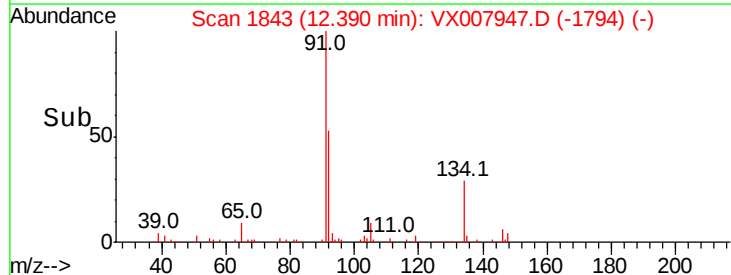
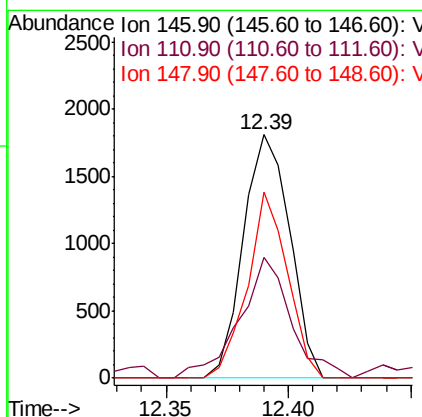
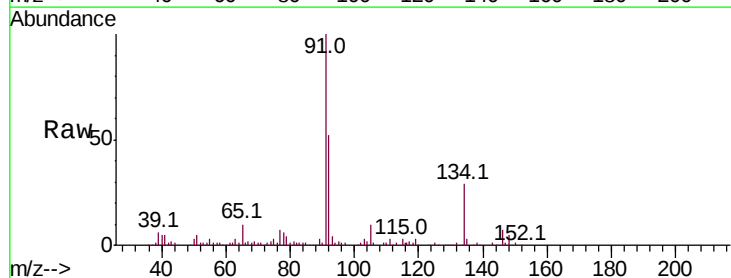
Instrument :
MSVOA_X
ClientSampleId :
RW-1

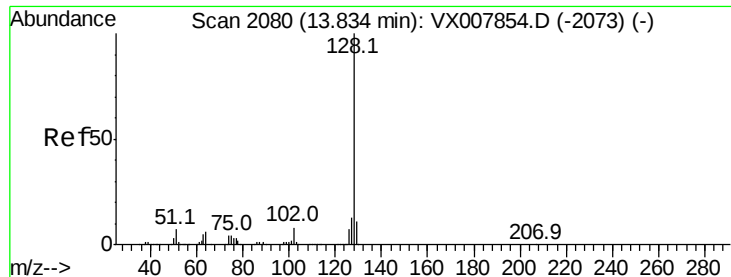
Tot Ion: 91 Resp: 41079
Ion Ratio Lower Upper
91 100
92 43.8 27.0 80.8
134 54.3 13.7 41.0#



#91
1,2-Dichlorobenzene
Concen: 0.369 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Tgt Ion: 146 Resp: 2396
Ion Ratio Lower Upper
146 100
111 55.1 19.6 58.8
148 66.2 31.9 95.5

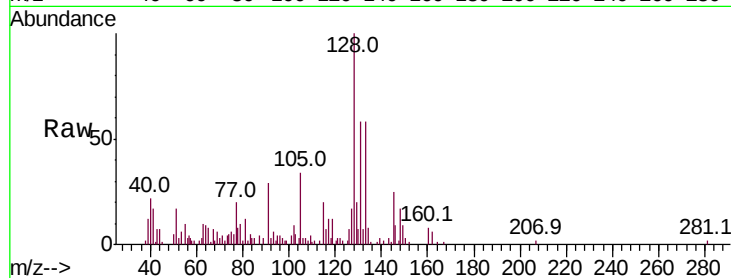




#95
Naphthalene
Concen: 0.797 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007947.D
Acq: 08 Mar 2019 22:41

Instrument :
MSVOA_X
ClientSampleId :
RW-1

Tot Ion:128 Resp: 10483
Ion Ratio Lower Upper
128 100
127 11.5 10.3 15.5
129 19.9 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

