

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072020\
 Data File : VX017434.D
 Acq On : 20 Jul 2020 12:40
 Operator : JC/SP
 Sample : L3329-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PW-2R

Quant Time: Jul 21 02:26:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	242529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	405575	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	430999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	238753	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	157439	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
35) Dibromofluoromethane	5.46	113	138711	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
50) Toluene-d8	8.70	98	500393	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
62) 4-Bromofluorobenzene	11.12	95	213873	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

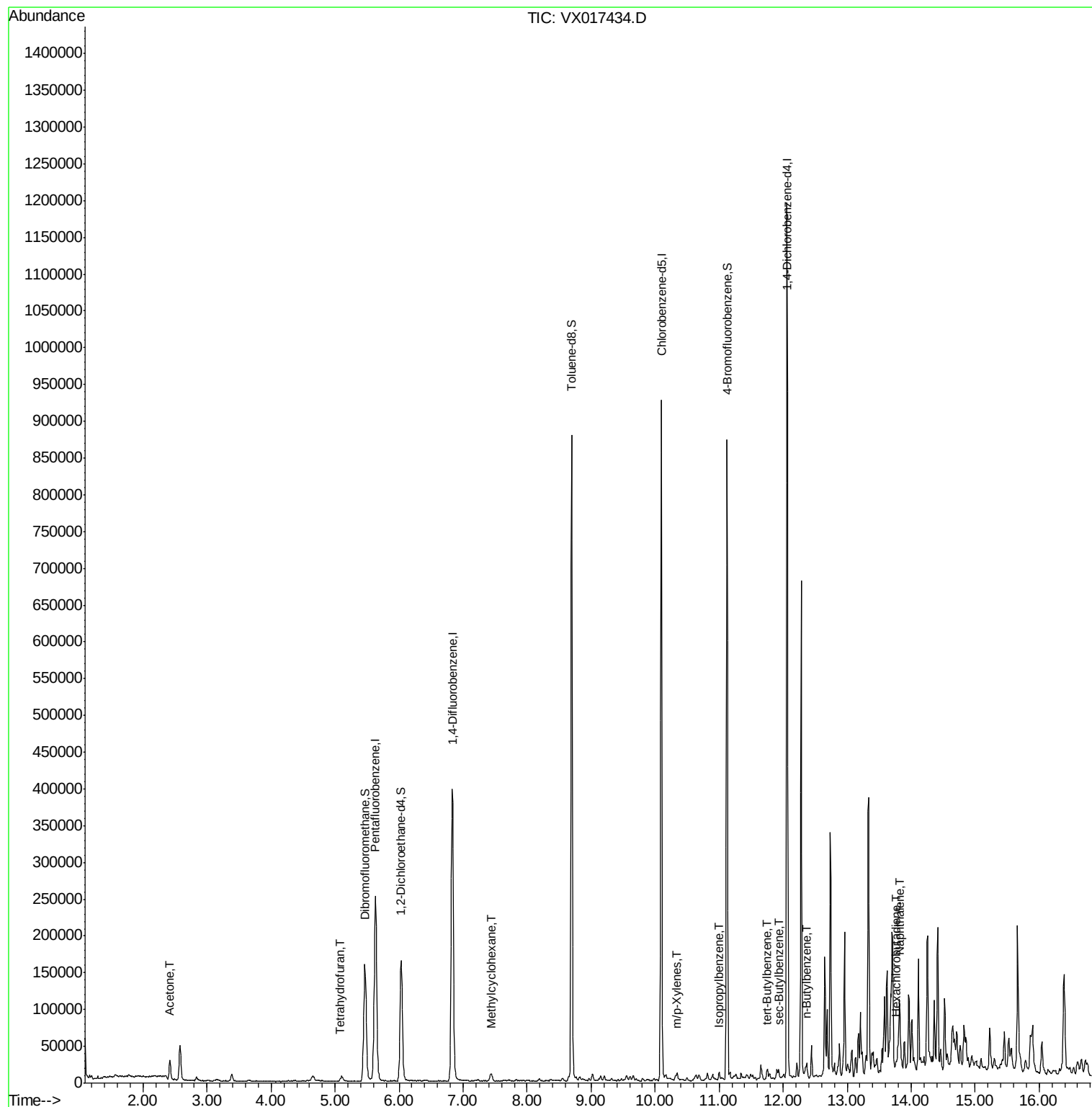
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	29012	26.716	ug/l	100
29) Tetrahydrofuran	5.08	42	5363	4.803	ug/l #	31
39) Methylcyclohexane	7.44	83	3838	0.947	ug/l	89
68) m/p-Xylenes	10.34	106	1494	0.269	ug/l	92
73) Isopropylbenzene	11.00	105	4498	0.301	ug/l	78
83) tert-Butylbenzene	11.76	119	4582	0.373	ug/l	81
85) sec-Butylbenzene	11.93	105	5518	0.384	ug/l #	55
89) n-Butylbenzene	12.37	91	5120	0.441	ug/l	92
94) Hexachlorobutadiene	13.77	225	1355	0.668	ug/l	79
95) Naphthalene	13.82	128	57681	3.944	ug/l #	92

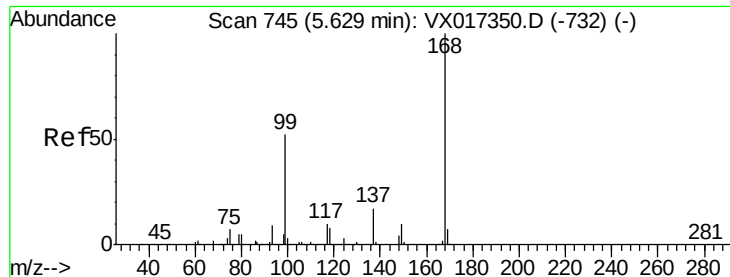
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

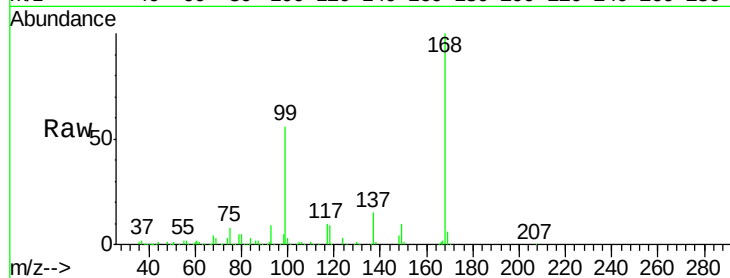
PW-2R

Tot Ion:168 Resp: 242529

Ion Ratio Lower Upper

168 100

99 55.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

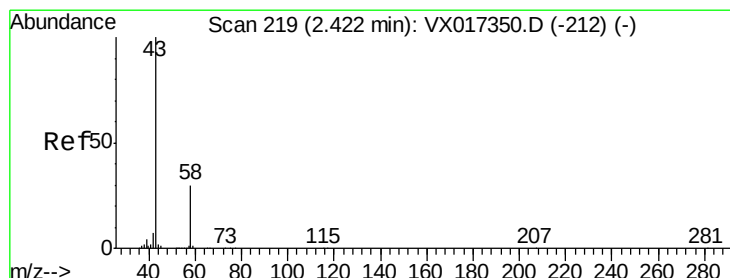
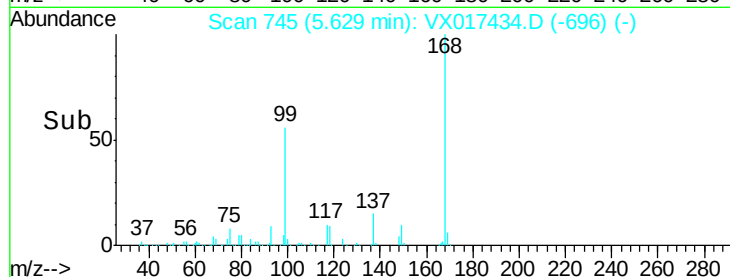
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 26.716 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017434.D

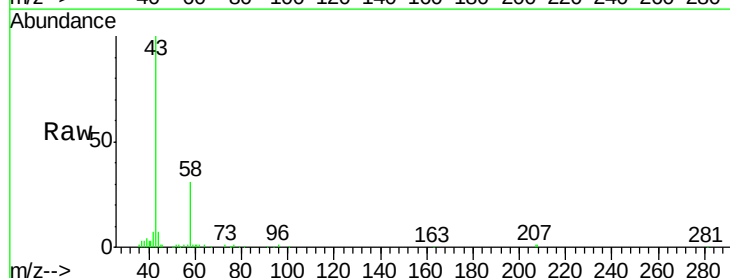
Acq: 20 Jul 2020 12:40

Tgt Ion: 43 Resp: 29012

Ion Ratio Lower Upper

43 100

58 30.4 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

20000

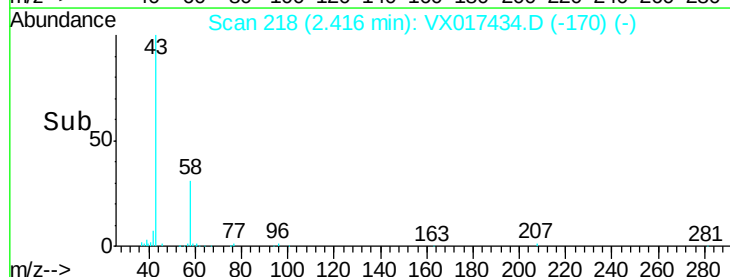
15000

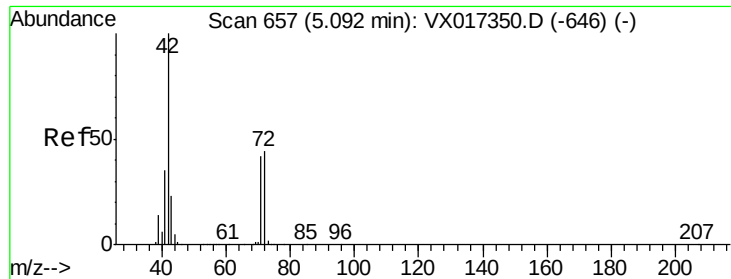
10000

5000

0

Time-->

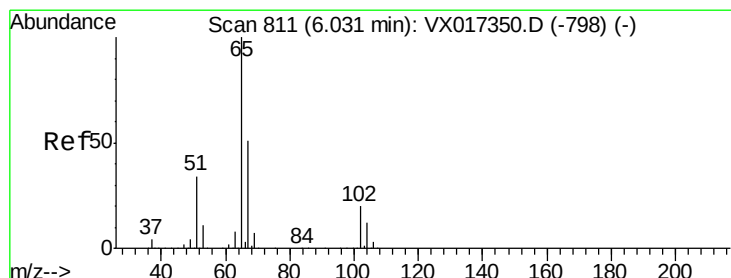
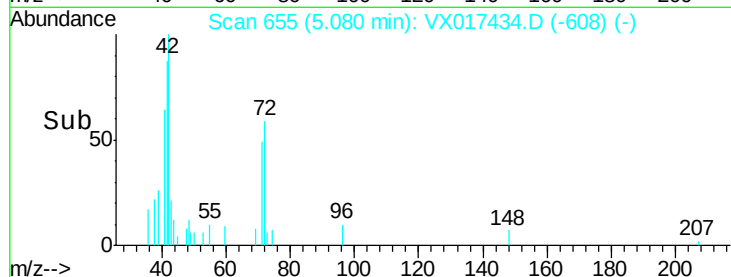
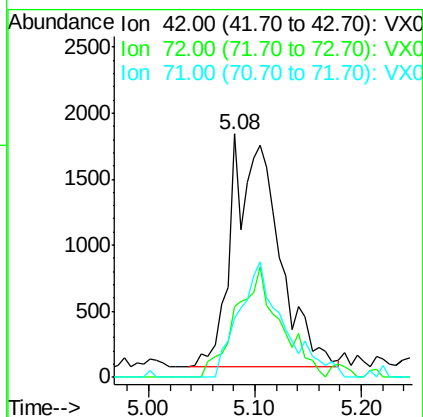
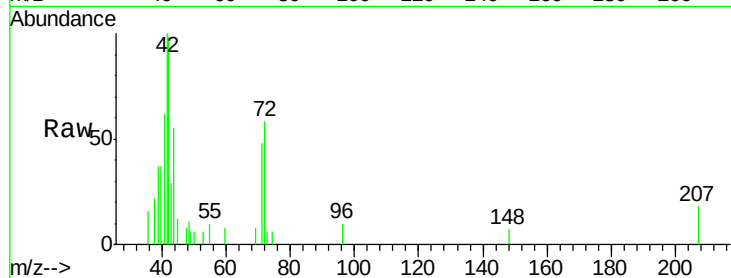




#29
Tetrahydrofuran
Concen: 4.803 ug/l
RT: 5.08 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX017434.D
Acq: 20 Jul 2020 12:40

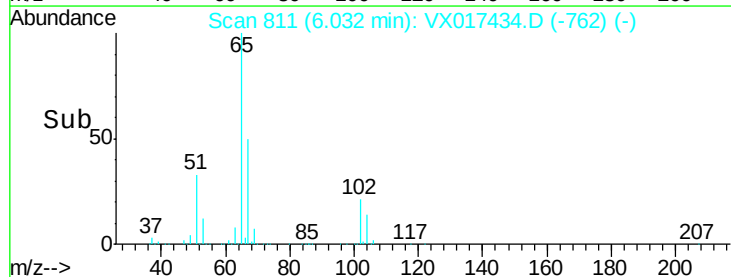
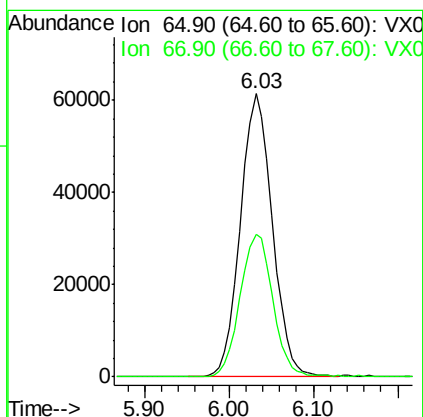
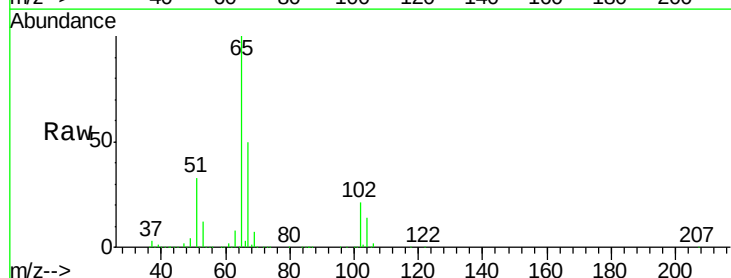
Instrument :
MSVOA_X
ClientSampleId :
PW-2R

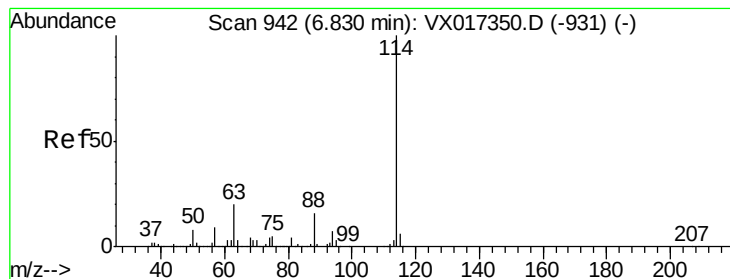
Tot Ion: 42 Resp: 5363
Ion Ratio Lower Upper
42 100
72 0.0 37.2 55.8#
71 0.0 34.4 51.6#



#33
1,2-Dichloroethane-d4
Concen: 51.722 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX017434.D
Acq: 20 Jul 2020 12:40

Tgt Ion: 65 Resp: 157439
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

PW-2R

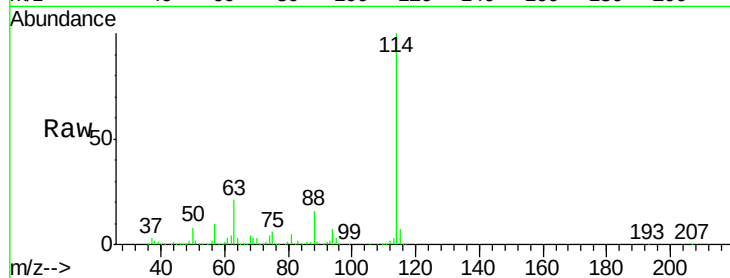
Tot Ion:114 Resp: 405575

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

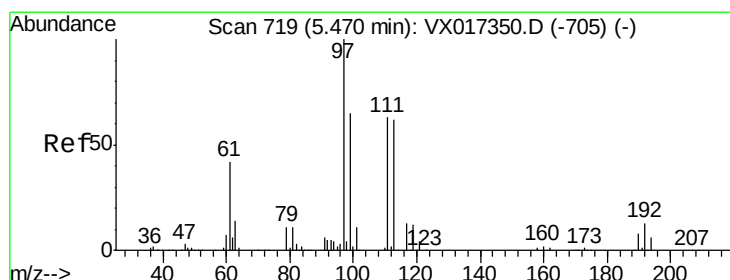
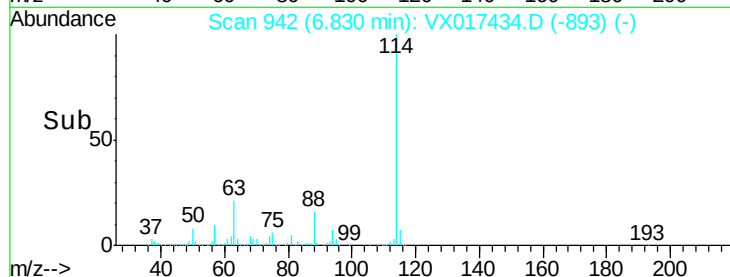
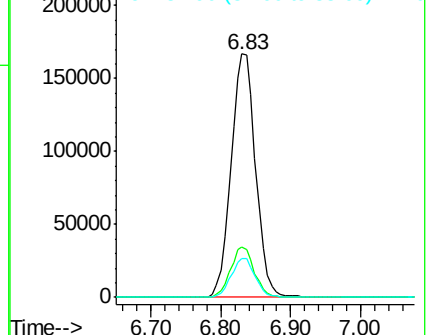
88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 50.772 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

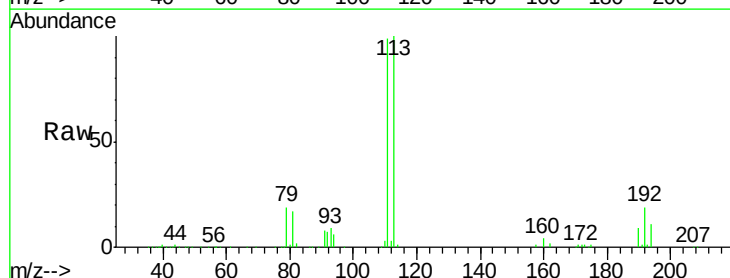
Tgt Ion:113 Resp: 138711

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

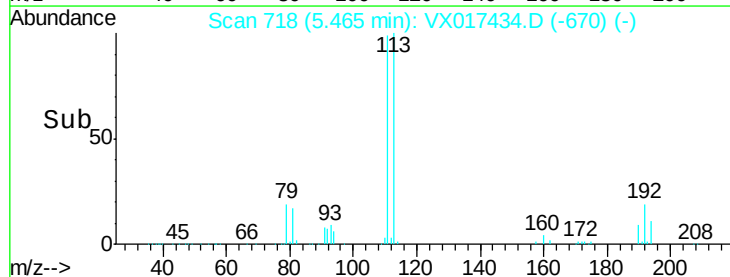
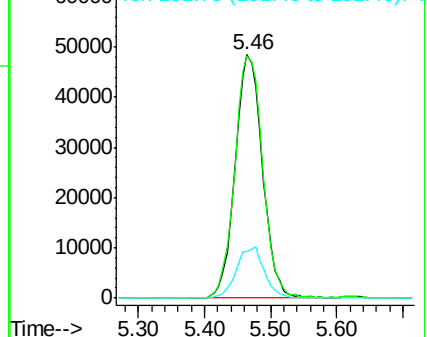
192 21.6 17.2 25.8

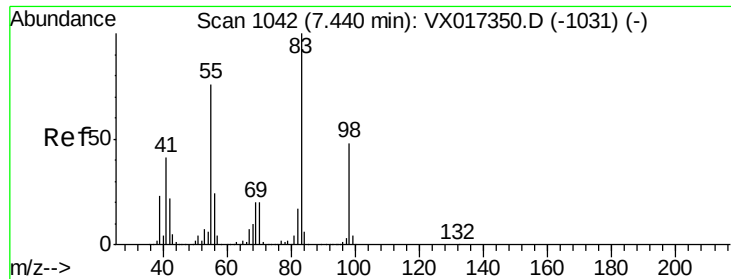


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

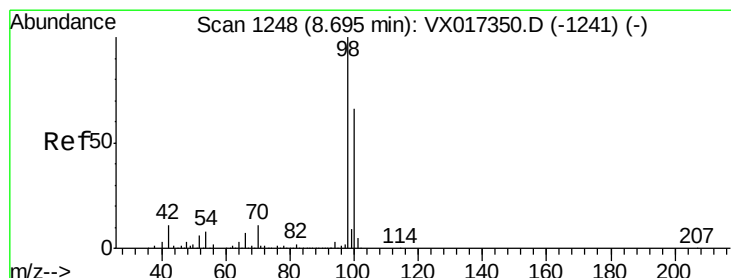
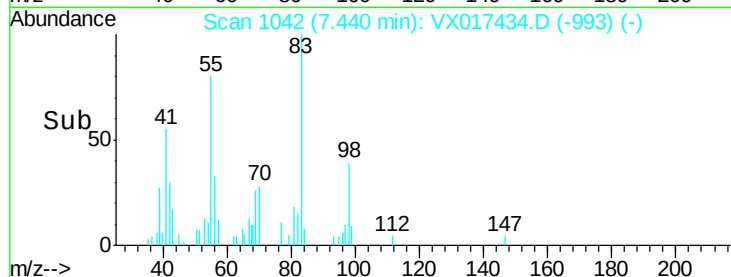
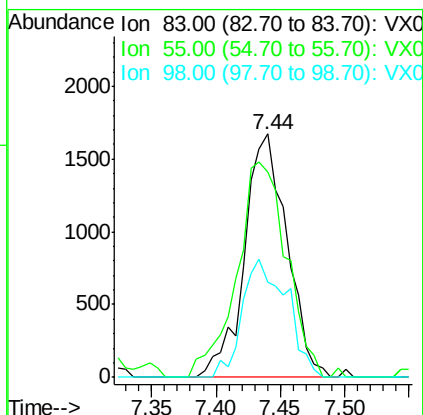
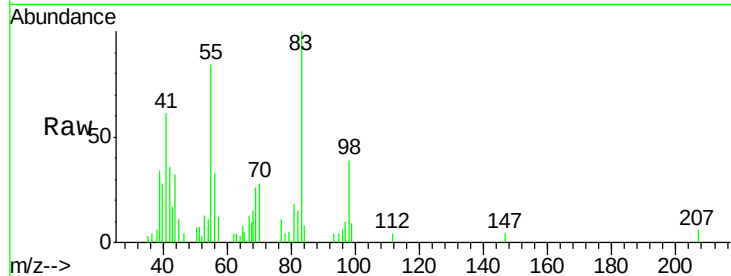




#39
Methylvlcyclohexane
Concen: 0.947 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VX017434.D
Acq: 20 Jul 2020 12:40

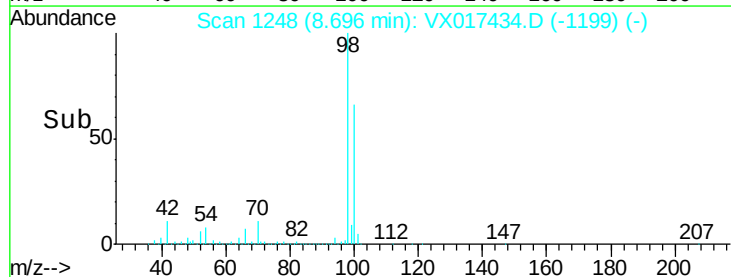
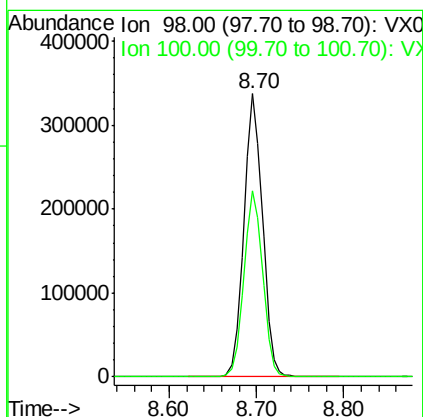
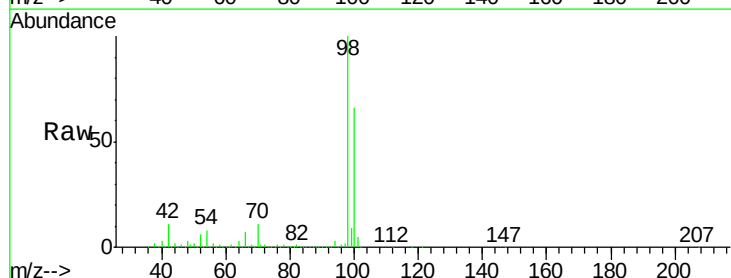
Instrument :
MSVOA_X
ClientSampleId :
PW-2R

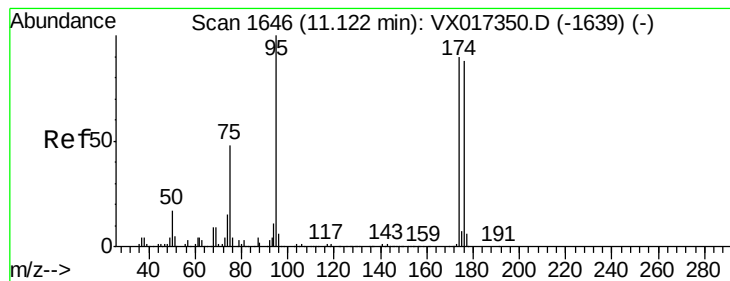
Tot Ion: 83 Resp: 3838
Ion Ratio Lower Upper
83 100
55 84.3 61.2 91.8
98 38.9 38.1 57.1



#50
Toluene-d8
Concen: 50.777 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017434.D
Acq: 20 Jul 2020 12:40

Tgt Ion: 98 Resp: 500393
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 54.636 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

PW-2R

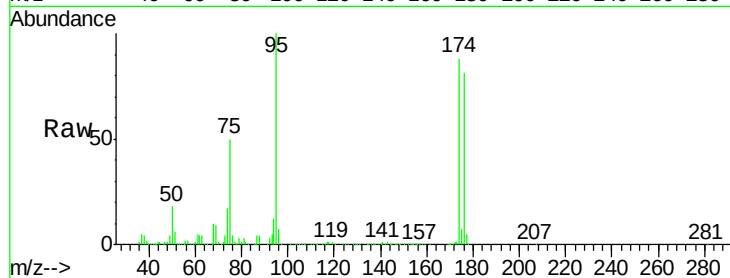
Tot Ion: 95 Resp: 213873

Ion Ratio Lower Upper

95 100

174 84.0 0.0 175.8

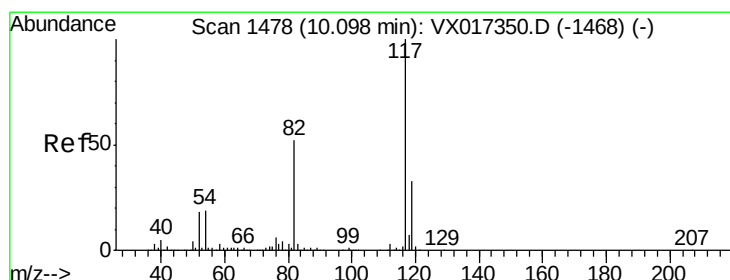
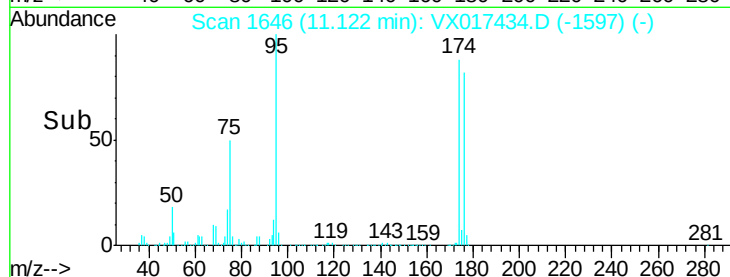
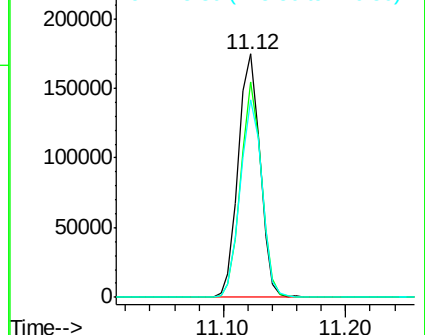
176 81.1 0.0 164.6



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: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

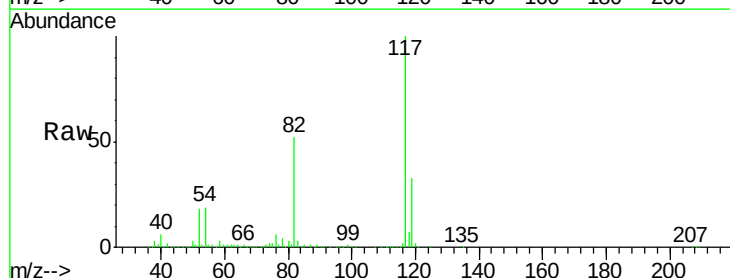
Tgt Ion: 117 Resp: 430999

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

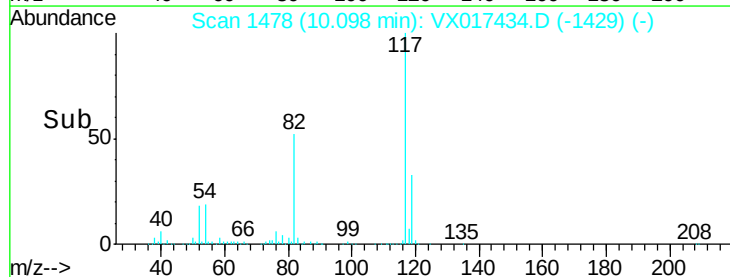
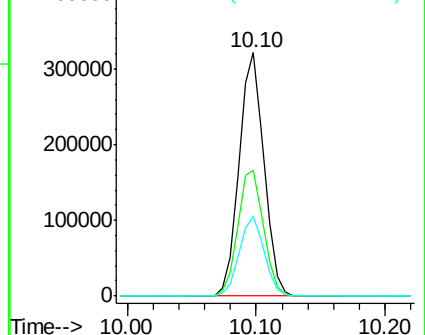
119 32.6 26.3 39.5

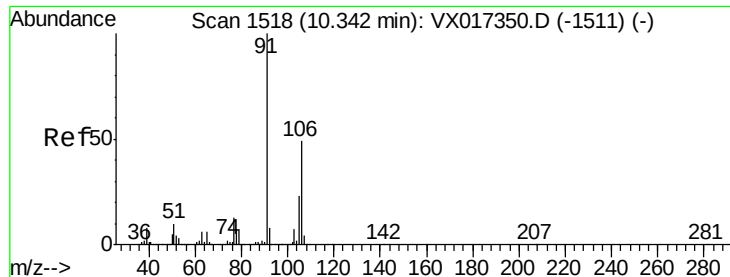


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#68

m/p-Xvlenes

Concen: 0.269 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

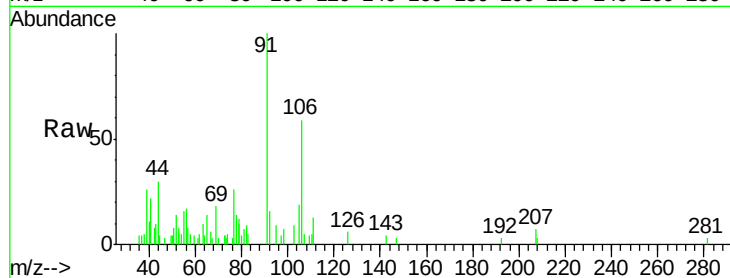
PW-2R

Tot Ion:106 Resp: 1494

Ion Ratio Lower Upper

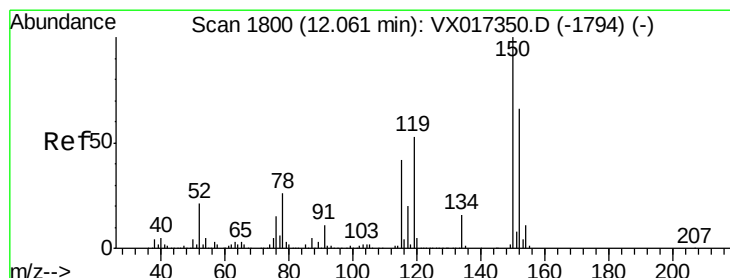
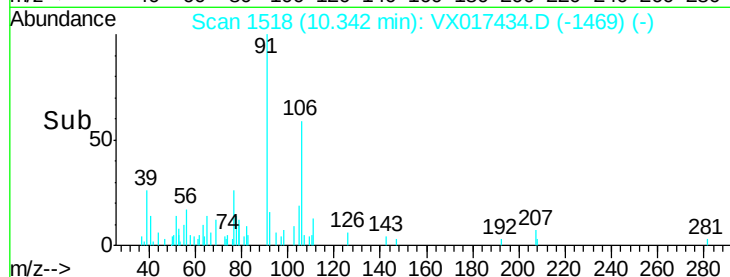
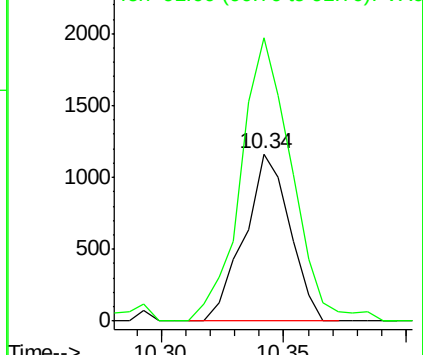
106 100

91 191.4 162.5 243.7



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: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

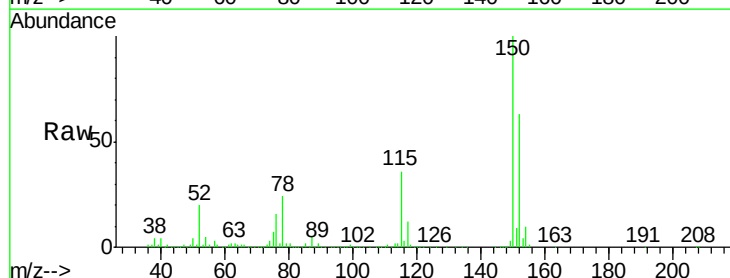
Tgt Ion:152 Resp: 238753

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.7

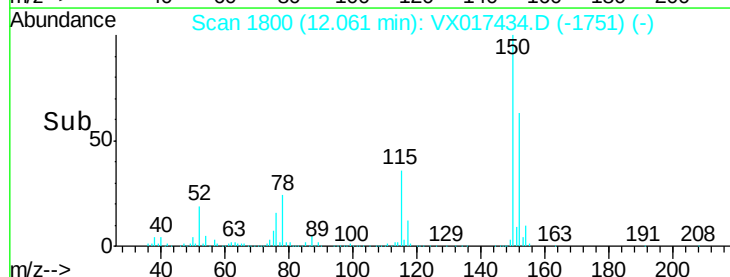
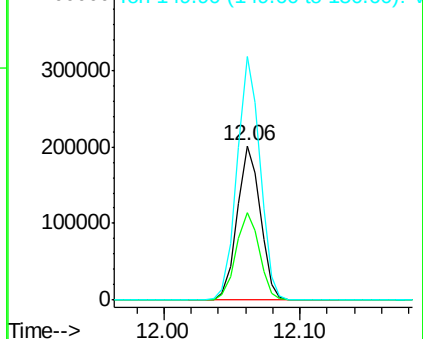
150 156.9 0.0 343.4

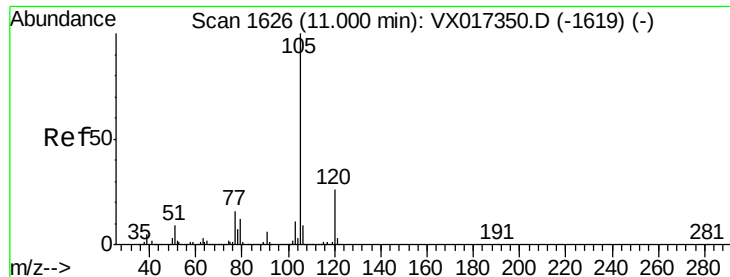


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.301 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

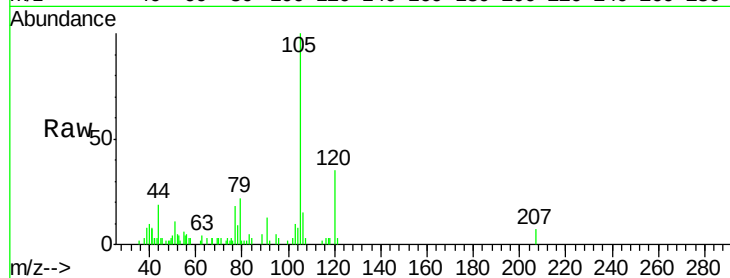
PW-2R

Tot Ion:105 Resp: 4498

Ion Ratio Lower Upper

105 100

120 38.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.00

3000

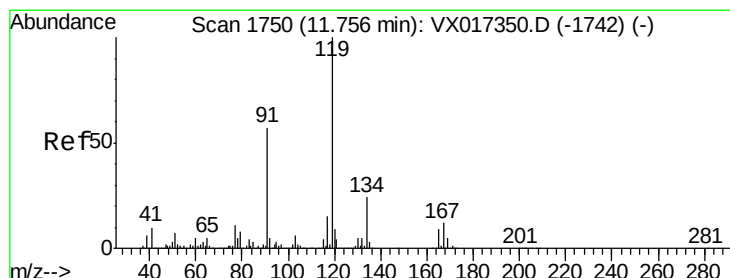
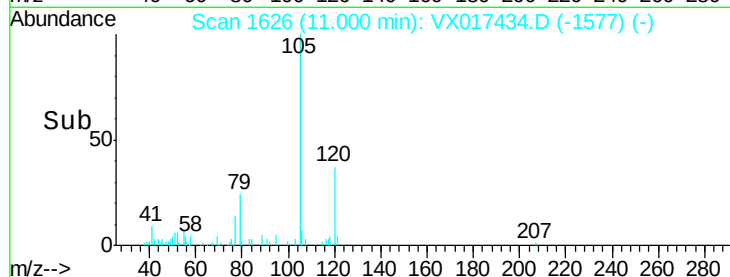
2000

1000

0

10.95 11.00 11.05

Time-->



#83

tert-Butylbenzene

Concen: 0.373 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

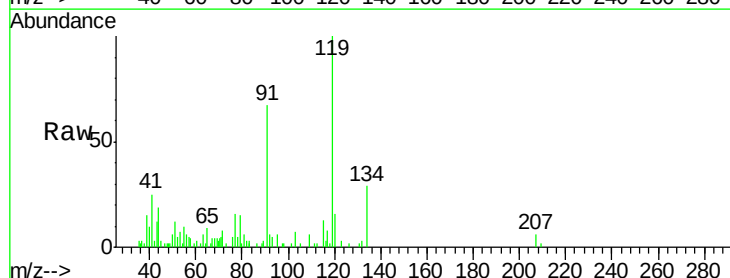
Tgt Ion:119 Resp: 4582

Ion Ratio Lower Upper

119 100

91 75.5 28.5 85.6

134 26.1 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V

11.76

4000

3000

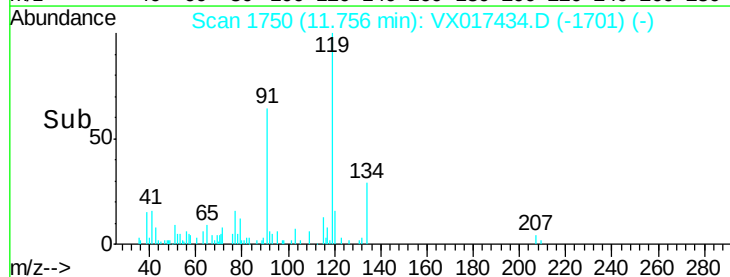
2000

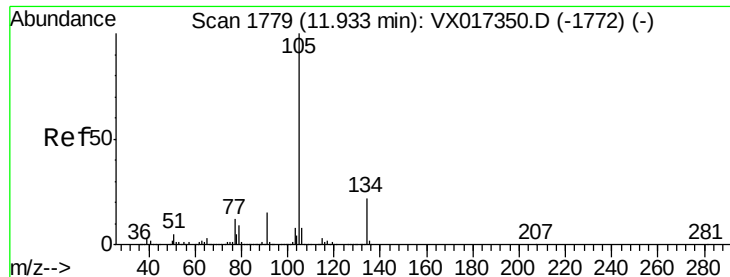
1000

0

11.70 11.75 11.80

Time-->





#85

sec-Butylbenzene

Concen: 0.384 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampleId :

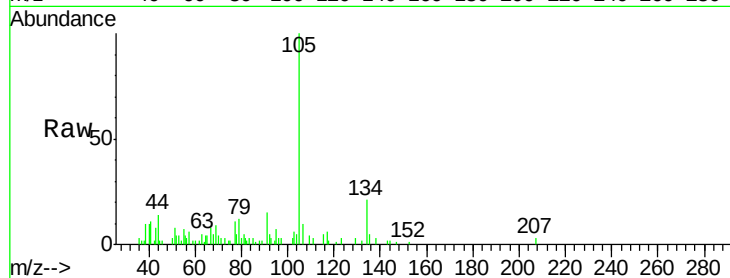
PW-2R

Tot Ion:105 Resp: 5518

Ion Ratio Lower Upper

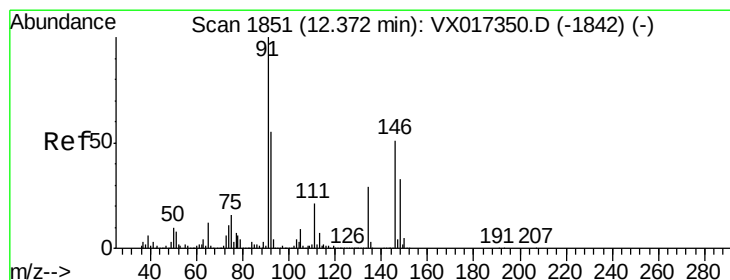
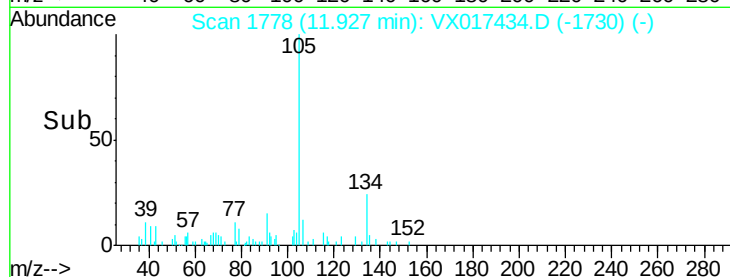
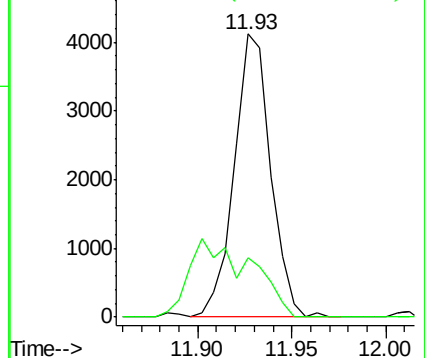
105 100

134 0.0 10.5 31.5#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.441 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

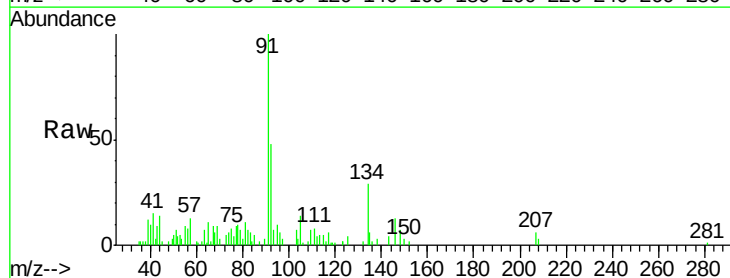
Tgt Ion: 91 Resp: 5120

Ion Ratio Lower Upper

91 100

92 47.5 27.0 81.0

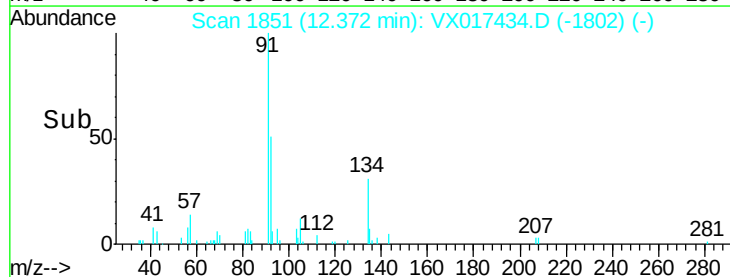
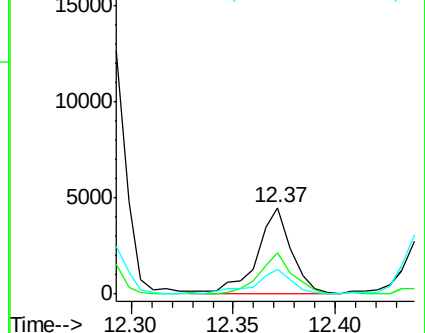
134 31.8 14.1 42.2

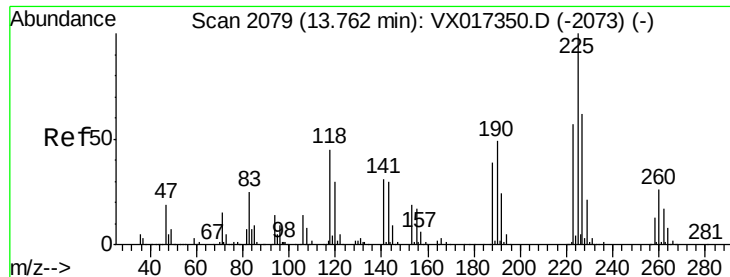


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#94

Hexachlorobutadiene

Concen: 0.668 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.01 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

Instrument :

MSVOA_X

ClientSampled :

PW-2R

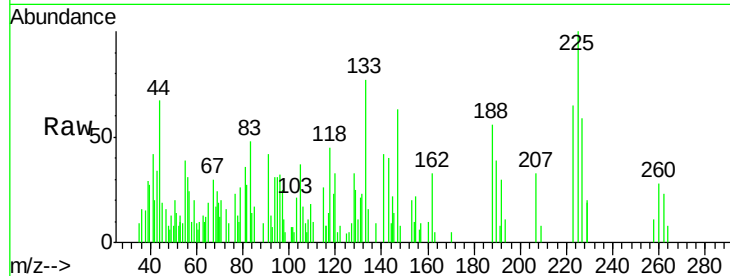
Tot Ion:225 Resp: 1355

Ion Ratio Lower Upper

225 100

223 88.6 31.3 93.8

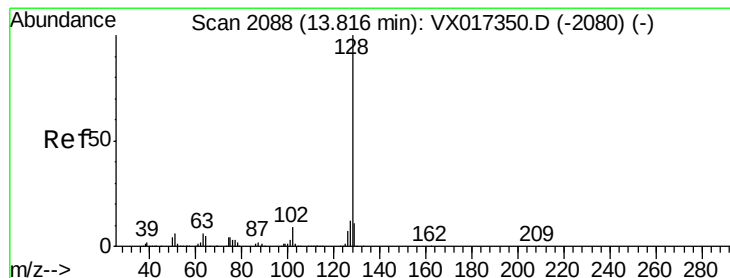
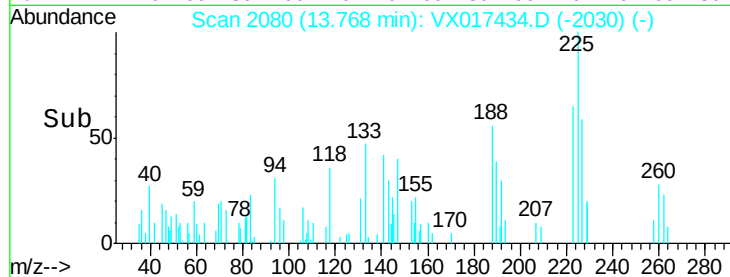
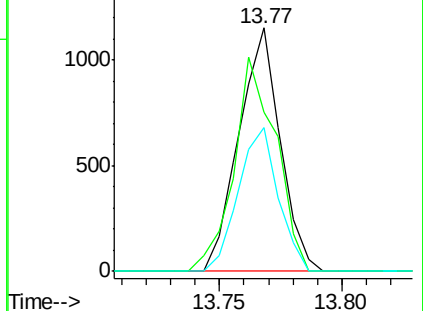
227 56.8 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 3.944 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017434.D

Acq: 20 Jul 2020 12:40

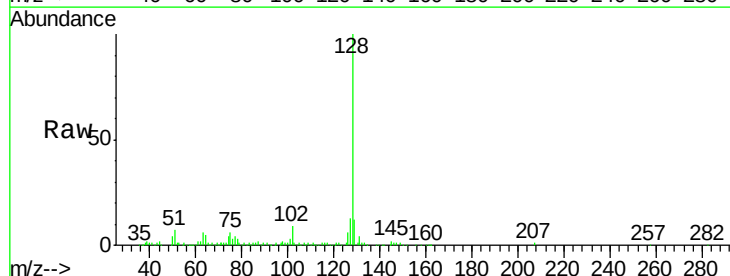
Tgt Ion:128 Resp: 57681

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 15.4 8.9 13.3#



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

