

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091620\
 Data File : VX018434.D
 Acq On : 16 Sep 2020 12:23
 Operator : JC/SP
 Sample : L3941-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200031

Quant Time: Sep 16 15:14:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	438707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	693765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	647984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	322055	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	310179	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
35) Dibromofluoromethane	5.47	113	241678	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
50) Toluene-d8	8.70	98	857352	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	
62) 4-Bromofluorobenzene	11.12	95	311617	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	

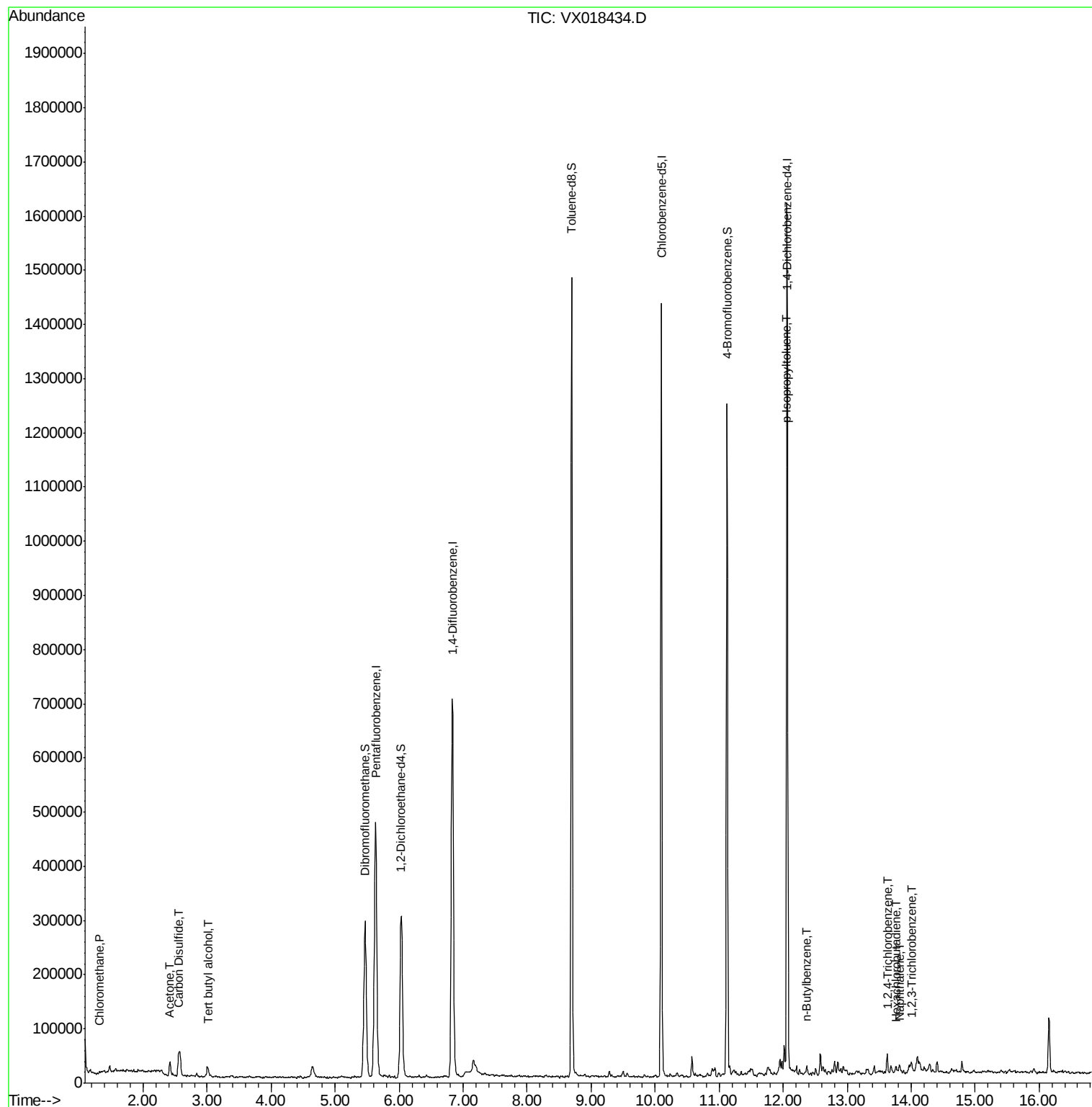
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	2930	0.520	ug/l	91
11) Tert butyl alcohol	3.01	59	21343	18.023	ug/l	95
16) Acetone	2.42	43	29680	12.506	ug/l	93
17) Carbon Disulfide	2.56	76	48446	3.738	ug/l	99
86) p-Isopropyltoluene	12.05	119	6115	0.340	ug/l #	66
89) n-Butylbenzene	12.37	91	3862	0.235	ug/l	91
93) 1,2,4-Trichlorobenzene	13.63	180	2897	0.448	ug/l	83
94) Hexachlorobutadiene	13.77	225	1735	0.680	ug/l	86
95) Naphthalene	13.82	128	7176	0.337	ug/l #	85
96) 1,2,3-Trichlorobenzene	14.01	180	2214	0.346	ug/l	76

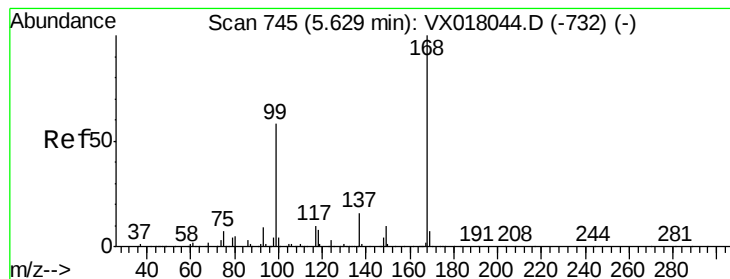
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 16 15:14:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

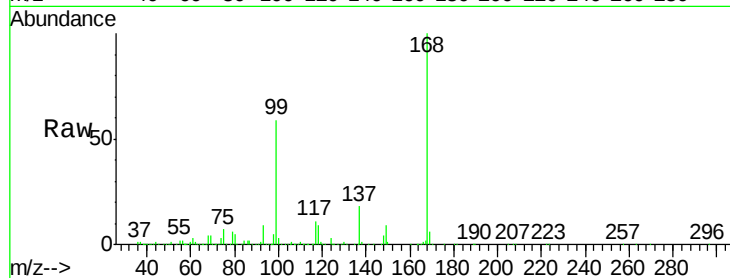
RBR-200031

Tot Ion:168 Resp: 438707

Ion Ratio Lower Upper

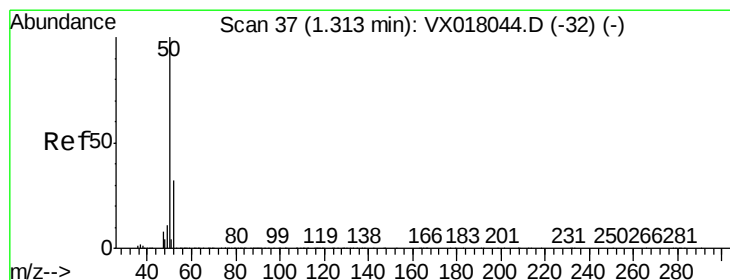
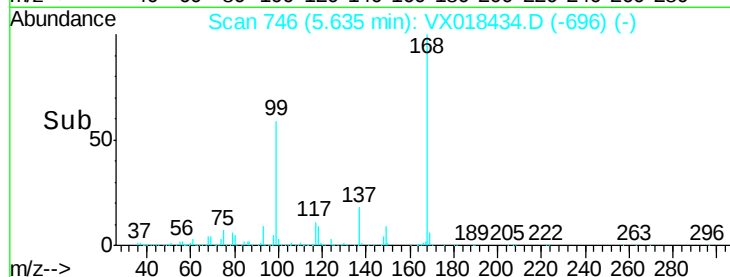
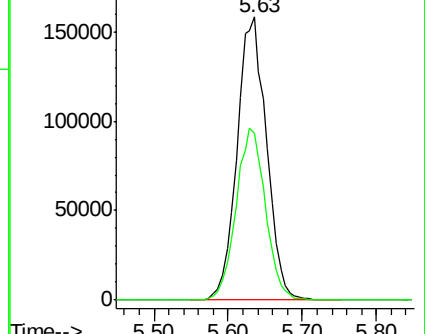
168 100

99 58.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.520 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX018434.D

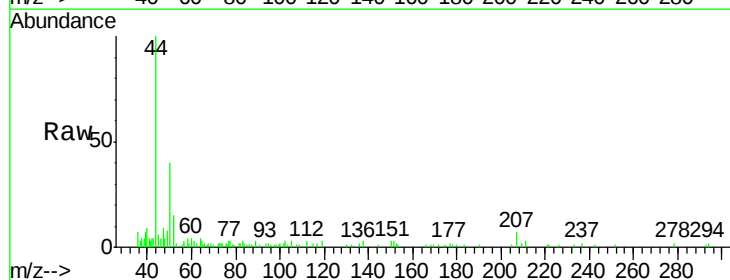
Acq: 16 Sep 2020 12:23

Tgt Ion: 50 Resp: 2930

Ion Ratio Lower Upper

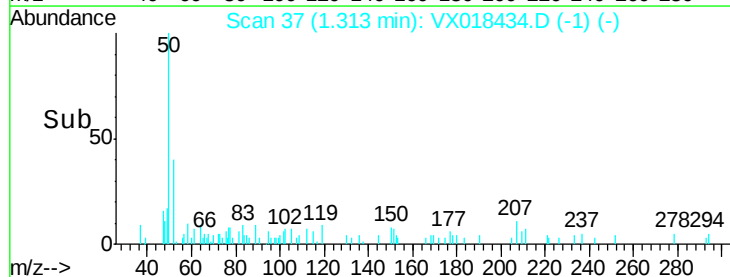
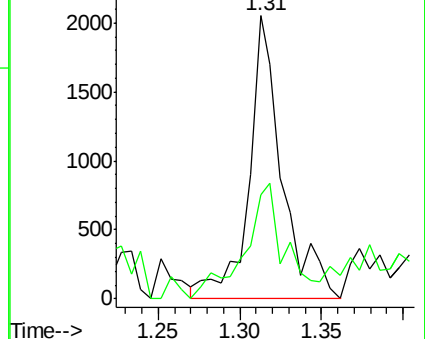
50 100

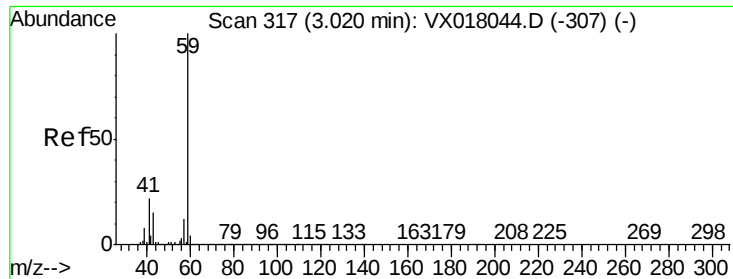
52 36.8 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



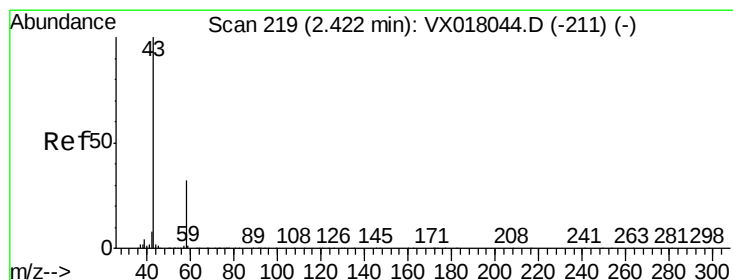
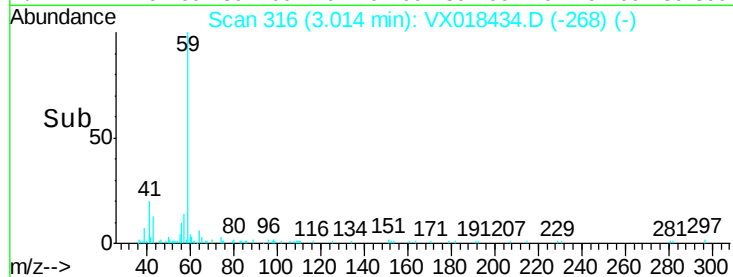
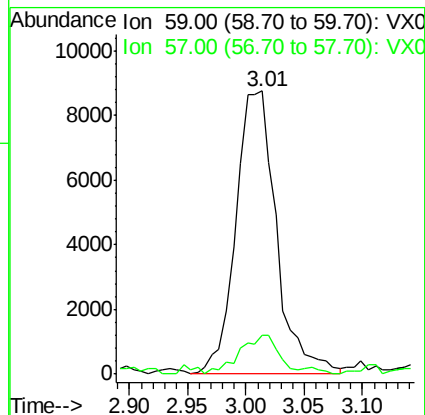
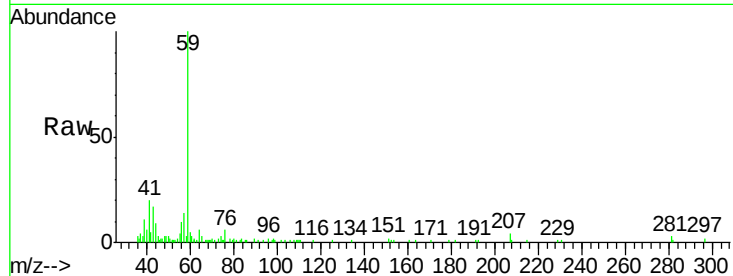


#11

Tert butyl alcohol
 Concen: 18.023 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018434.D
 Acq: 16 Sep 2020 12:23

Instrument :
 MSVOA_X
 ClientSampleId :
 RBR-200031

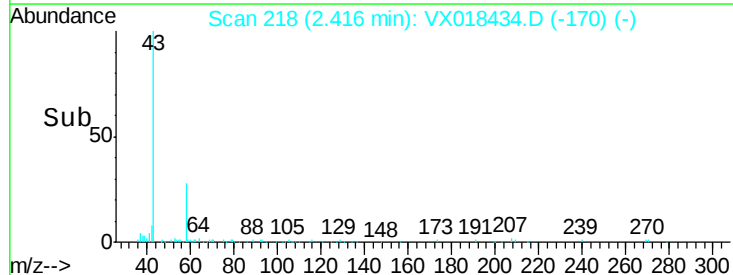
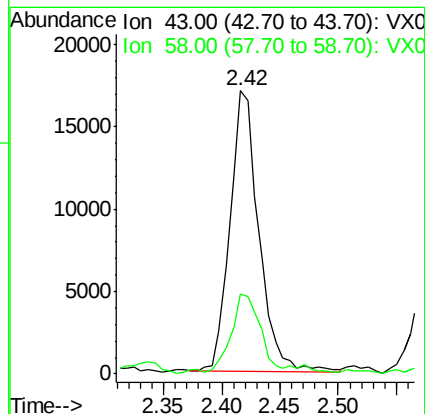
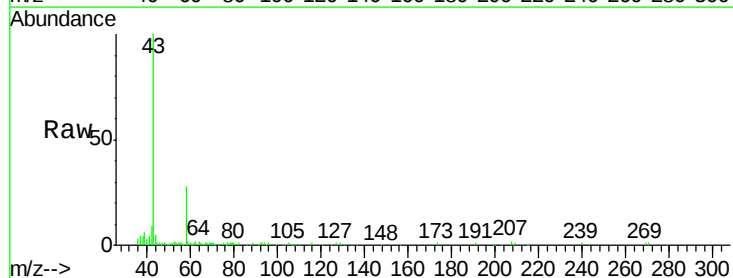
Tot Ion: 59 Resp: 21343
 Ion Ratio Lower Upper
 59 100
 57 13.1 8.9 13.3

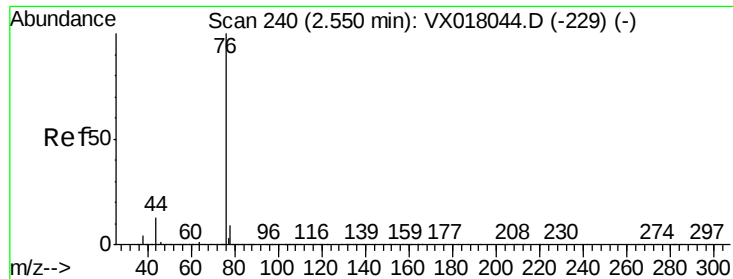


#16

Acetone
 Concen: 12.506 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX018434.D
 Acq: 16 Sep 2020 12:23

Tgt Ion: 43 Resp: 29680
 Ion Ratio Lower Upper
 43 100
 58 27.8 25.5 38.3

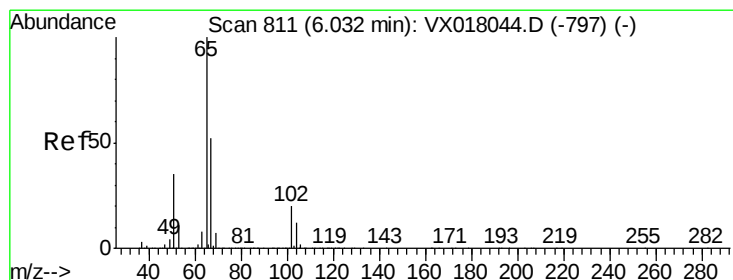
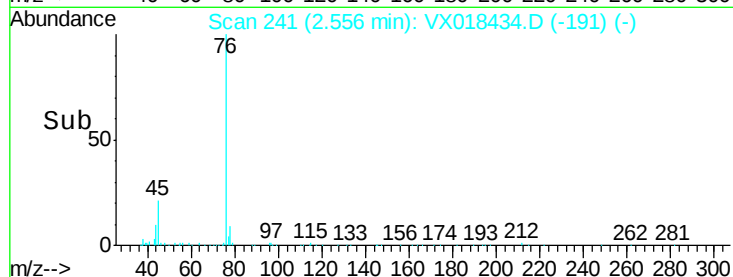
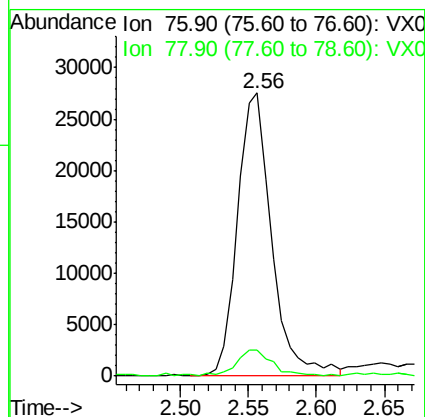
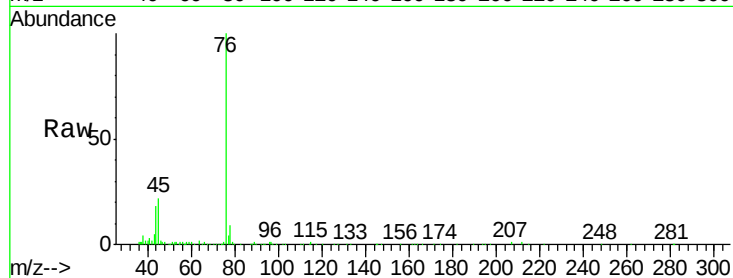




#17
Carbon Disulfide
Concen: 3.738 ug/l
RT: 2.56 min Scan# 241
Delta R.T. 0.01 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

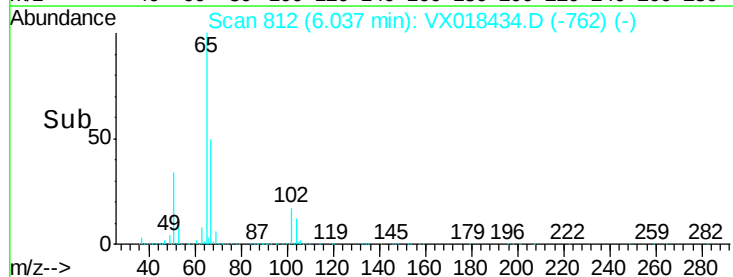
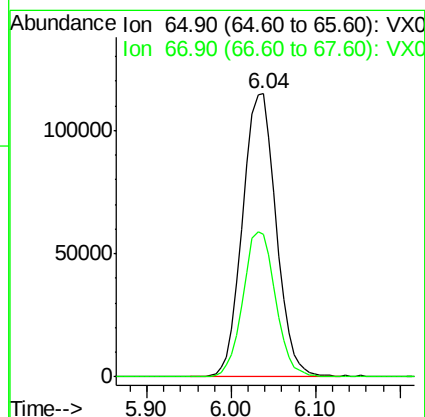
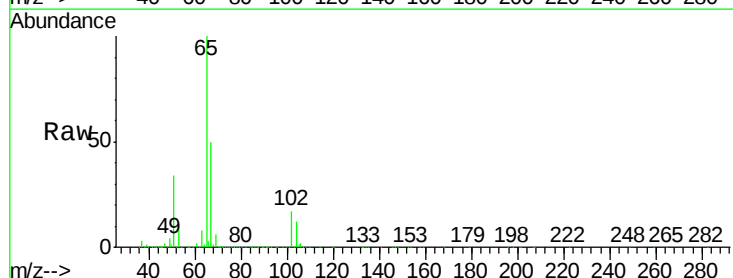
Instrument :
MSVOA_X
ClientSampleId :
RBR-200031

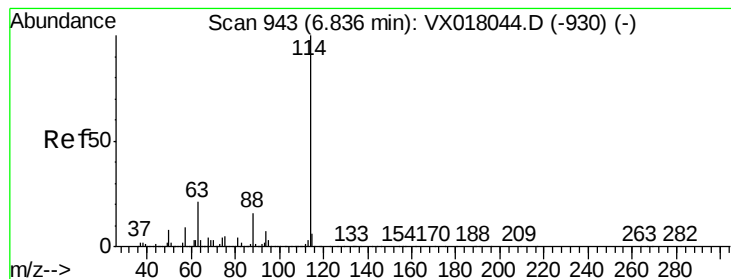
Tot Ion: 76 Resp: 48446
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 50.929 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

Tgt Ion: 65 Resp: 310179
Ion Ratio Lower Upper
65 100
67 49.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

RBR-200031

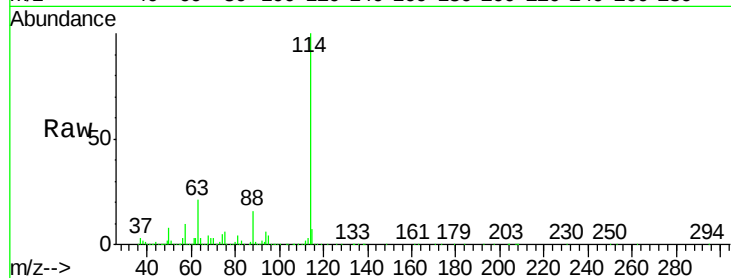
Tot Ion:114 Resp: 693765

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

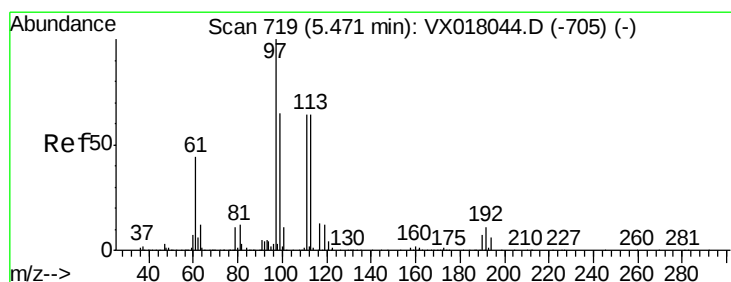
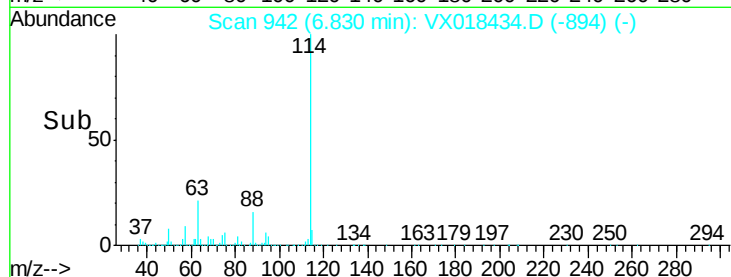
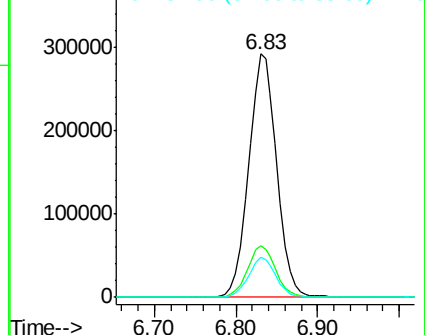
88 16.3 0.0 31.8



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: 51.150 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

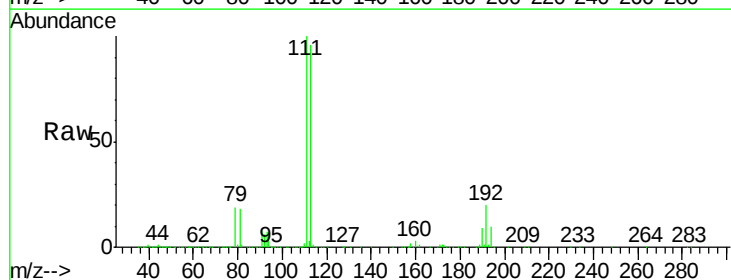
Tgt Ion:113 Resp: 241678

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

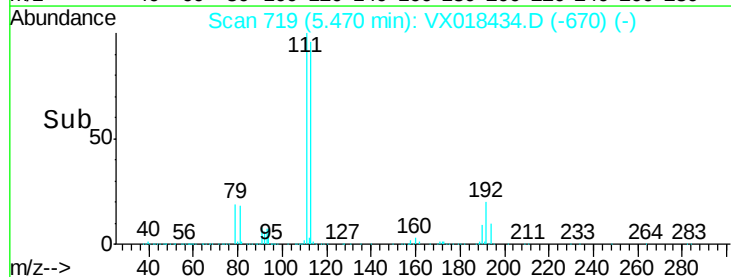
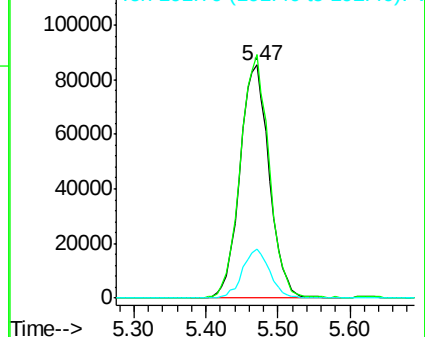
192 19.6 15.8 23.8

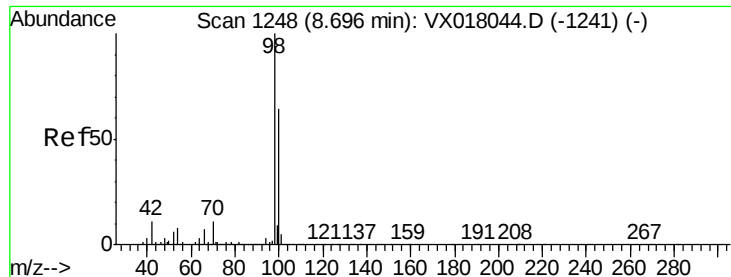


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.719 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

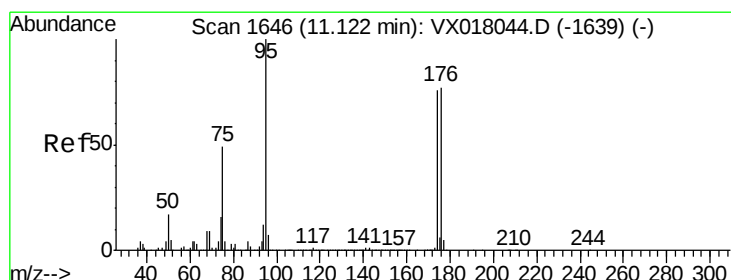
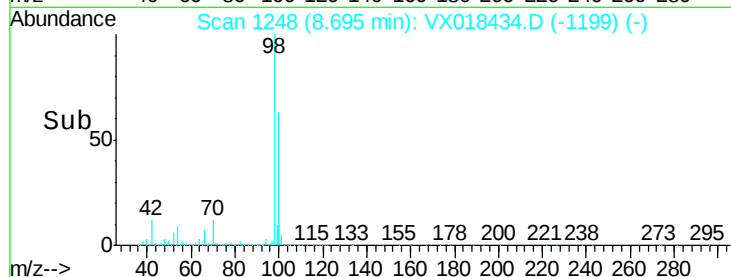
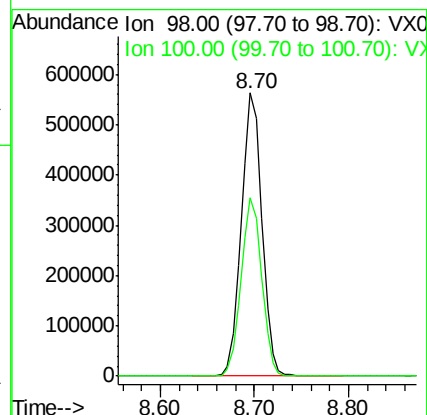
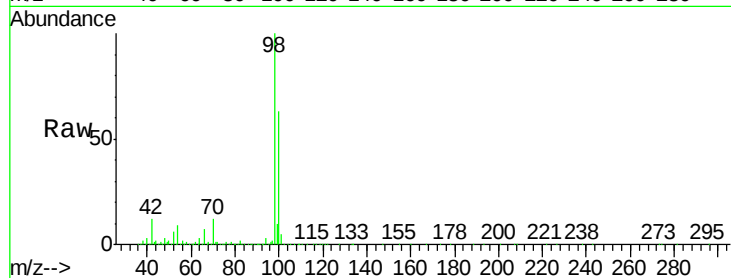
RBR-200031

Tot Ion: 98 Resp: 857352

Ion Ratio Lower Upper

98 100

100 63.1 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 45.007 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

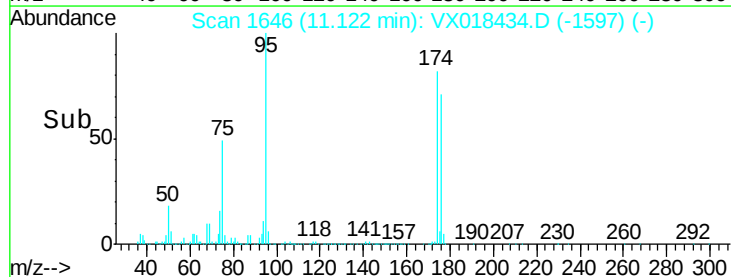
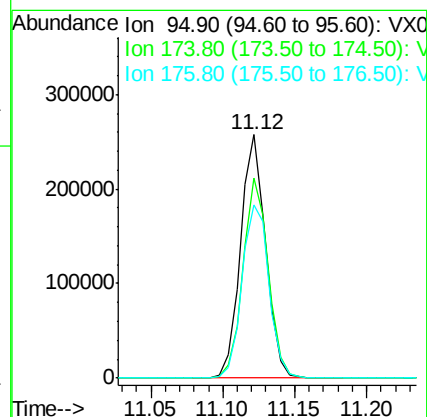
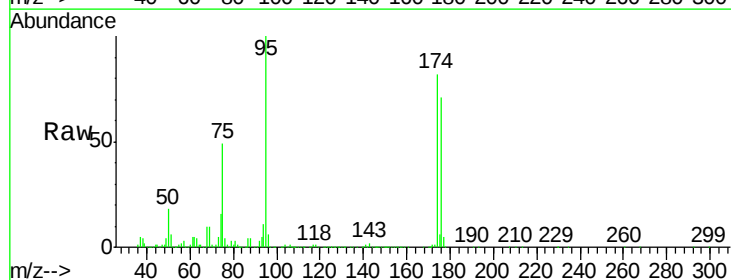
Tgt Ion: 95 Resp: 311617

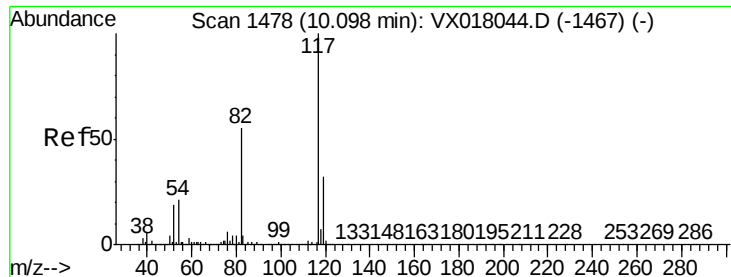
Ion Ratio Lower Upper

95 100

174 82.7 0.0 160.2

176 76.4 0.0 155.8

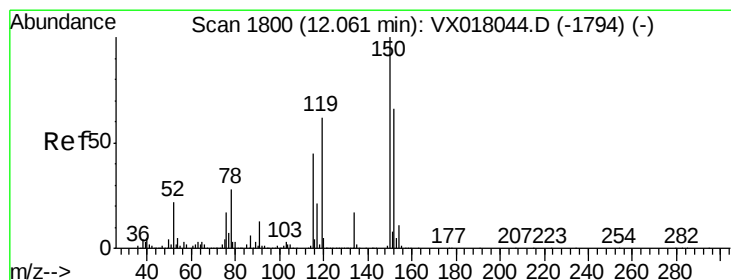
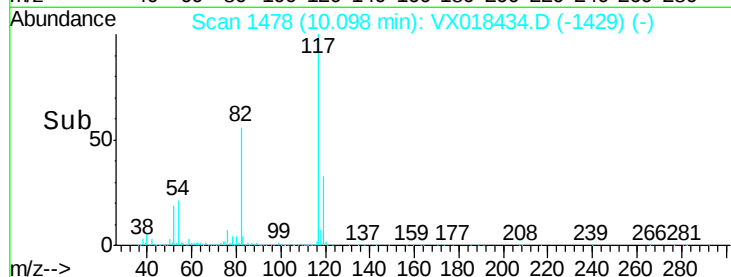
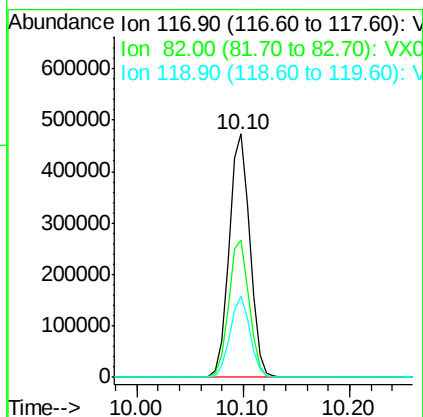
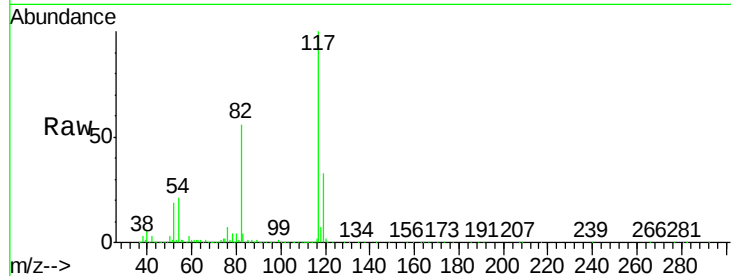




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

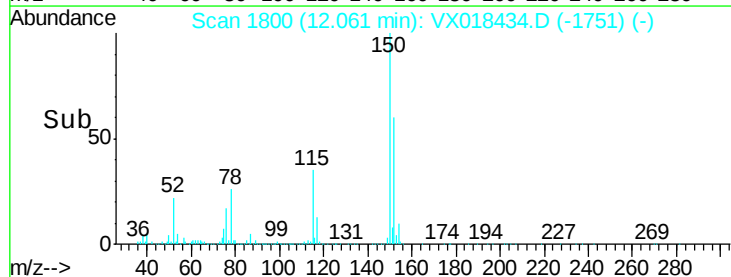
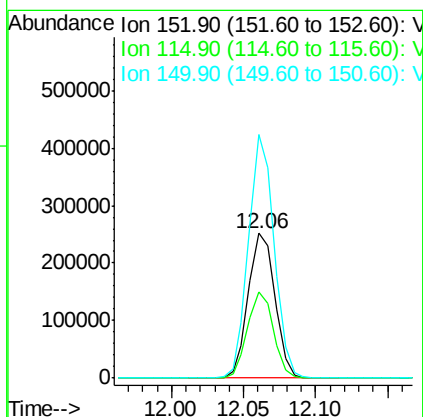
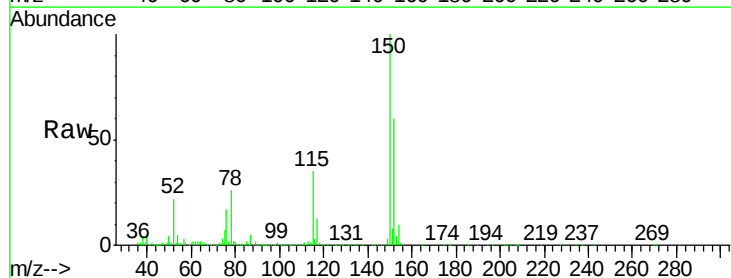
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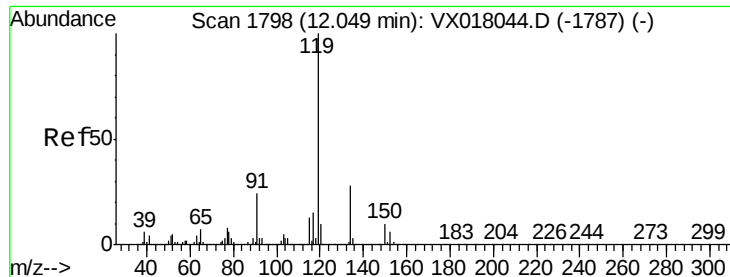
Tot Ion:117 Resp: 647984
Ion Ratio Lower Upper
117 100
82 56.3 44.2 66.2
119 33.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

Tgt Ion:152 Resp: 322055
Ion Ratio Lower Upper
152 100
115 58.1 41.5 124.5
150 161.1 0.0 343.8

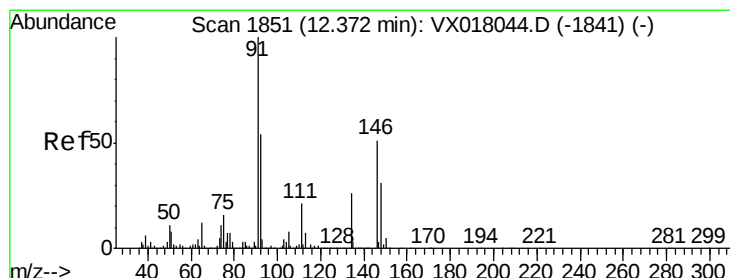
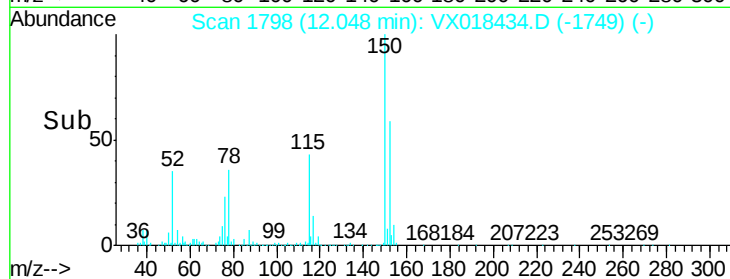
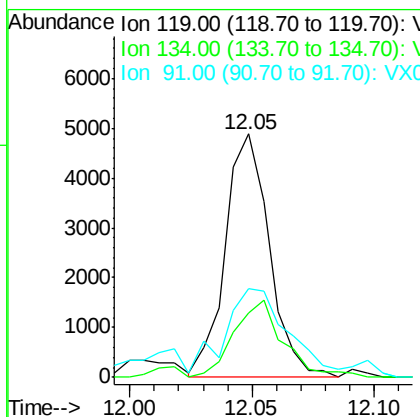
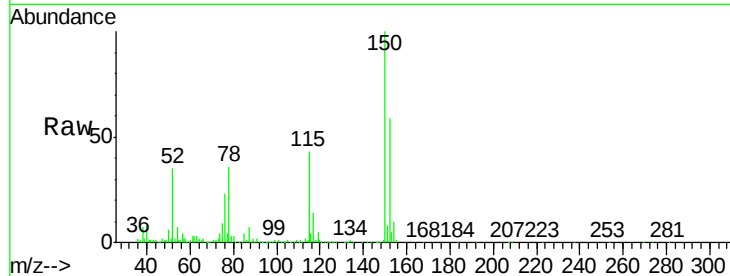




#86
p-Isopropyltoluene
Concen: 0.340 ug/l
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

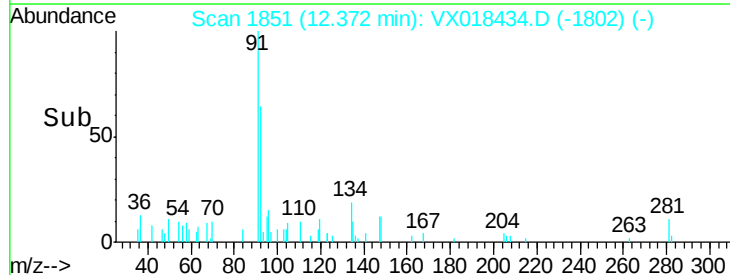
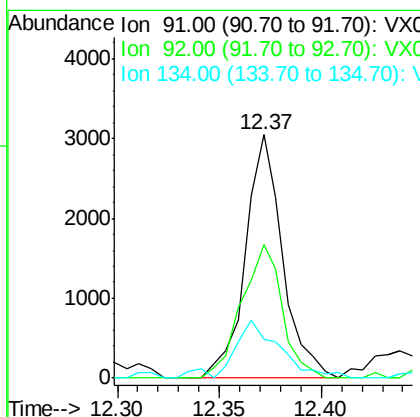
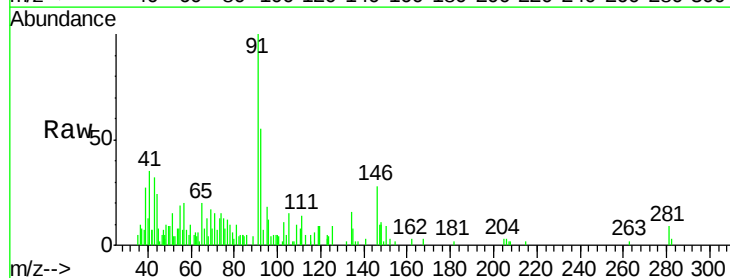
Instrument :
MSVOA_X
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RBR-200031

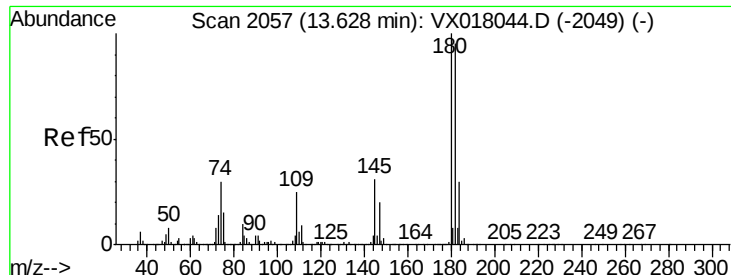
Tot Ion	Ratio	Lower	Upper
119	100		
134	35.8	13.2	39.5
91	48.8	11.8	35.4



#89
n-Butylbenzene
Concen: 0.235 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX018434.D
Acq: 16 Sep 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	26.4	79.2
134	29.2	12.9	38.7





#93

1,2,4-Trichlorobenzene

Concen: 0.448 ug/l

RT: 13.63 min Scan# 2057

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

Instrument :

MSVOA_X

ClientSampled :

RBR-200031

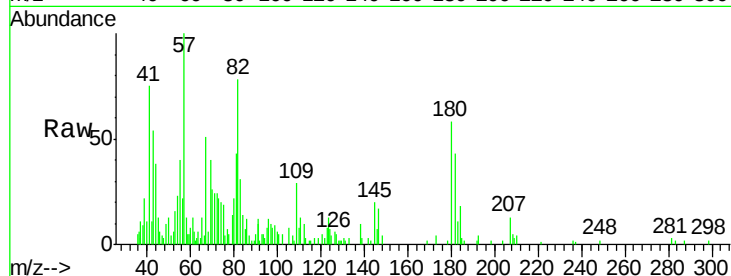
Tot Ion:180 Resp: 2897

Ion Ratio Lower Upper

180 100

182 77.7 47.5 142.6

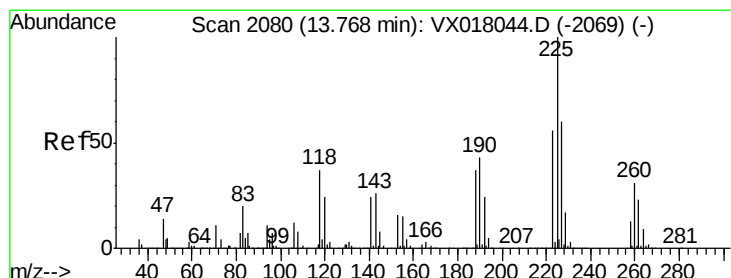
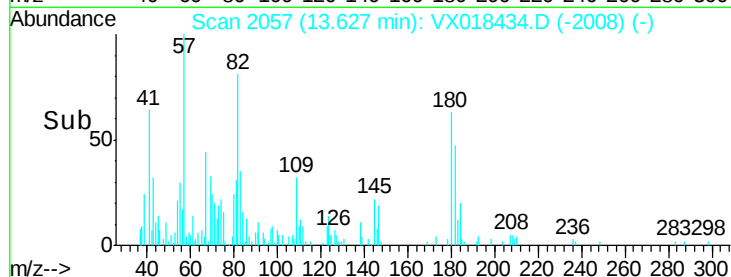
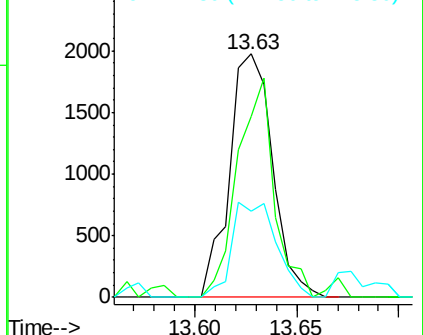
145 40.3 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.680 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

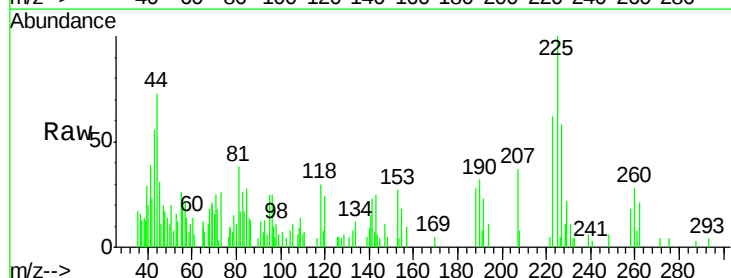
Tgt Ion:225 Resp: 1735

Ion Ratio Lower Upper

225 100

223 80.3 30.7 92.1

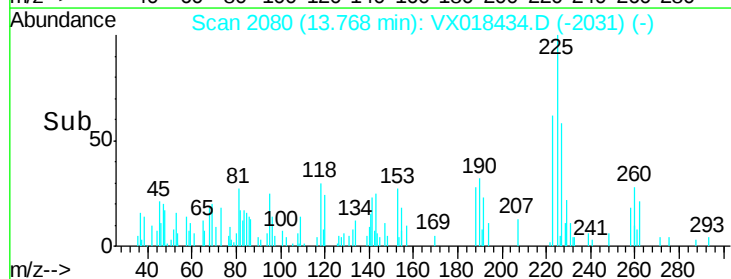
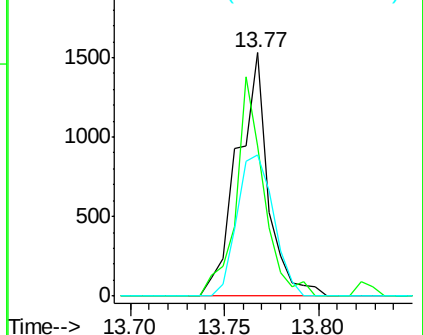
227 69.0 32.6 97.8

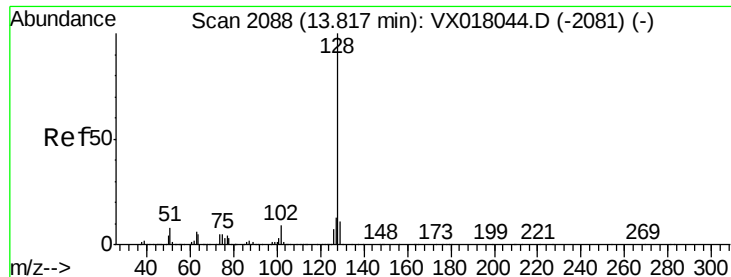


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.337 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

Instrument :

MSVOA_X

ClientSampleId :

RBR-200031

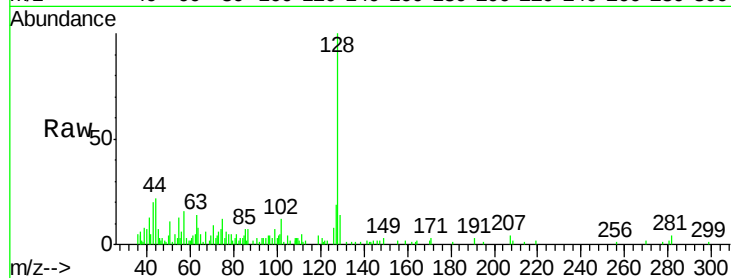
Tot Ion:128 Resp: 7176

Ion Ratio Lower Upper

128 100

127 19.3 10.2 15.2#

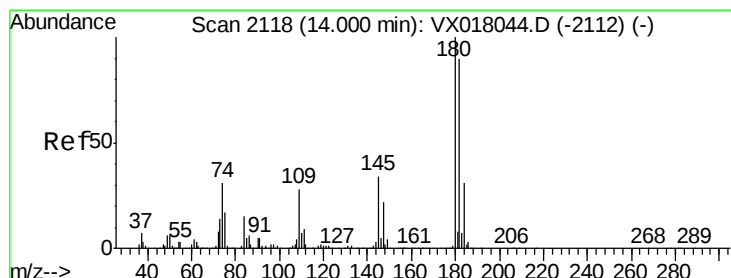
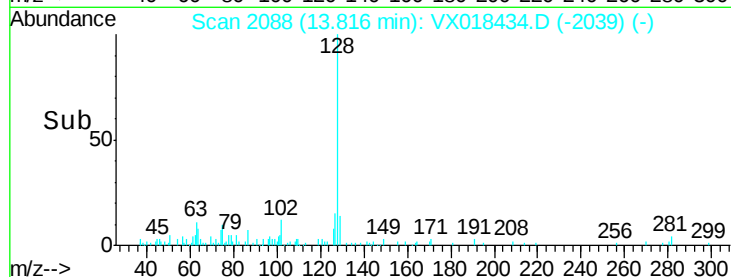
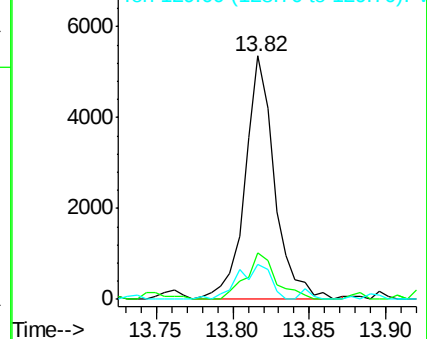
129 15.7 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.346 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX018434.D

Acq: 16 Sep 2020 12:23

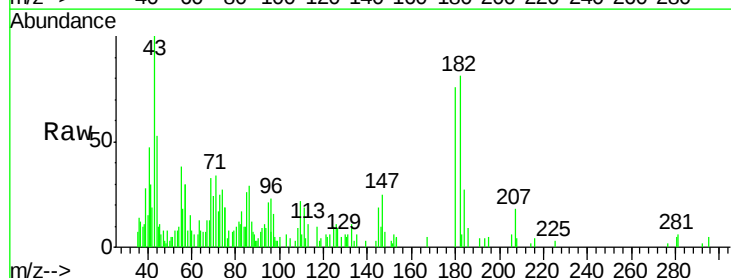
Tgt Ion:180 Resp: 2214

Ion Ratio Lower Upper

180 100

182 122.0 47.3 142.0

145 42.9 17.5 52.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

