

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013510.D
 Acq On : 21 Nov 2019 17:56
 Operator : JC/SP
 Sample : K5962-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120

Quant Time: Nov 22 08:44:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

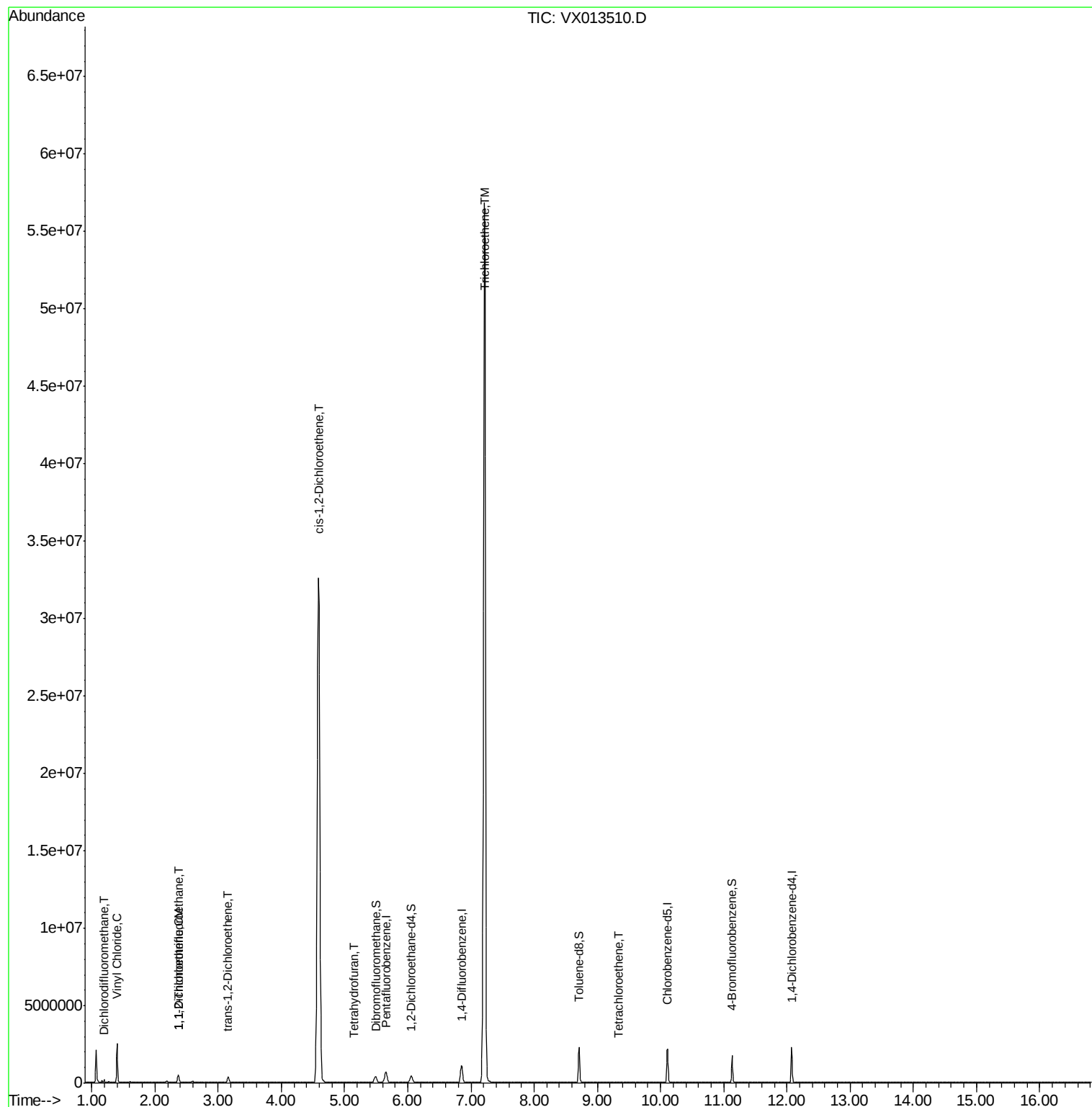
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	698465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1151184	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1022812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	467209	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	414386	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
35) Dibromofluoromethane	5.49	113	352105	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	1377052	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	11.13	95	459494	46.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	108111	13.434	ug/l	100
4) Vinyl Chloride	1.40	62	1510837	152.063	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.37	101	69396	10.607	ug/l	100
12) 1,1-Dichloroethene	2.37	96	129065	20.145	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	167634	24.030	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	21367647	2734.355	ug/l	84
29) Tetrahydrofuran	5.14	42	8086	2.167	ug/l #	88
44) Trichloroethene	7.21	130	21716887	2564.621	ug/l	92
64) Tetrachloroethene	9.33	164	5049	0.690	ug/l	95

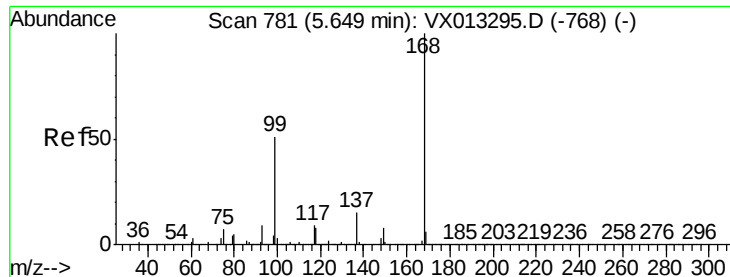
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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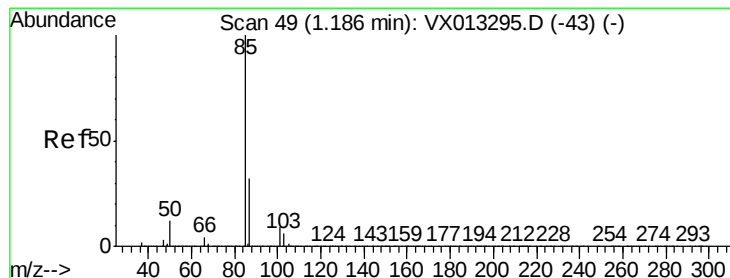
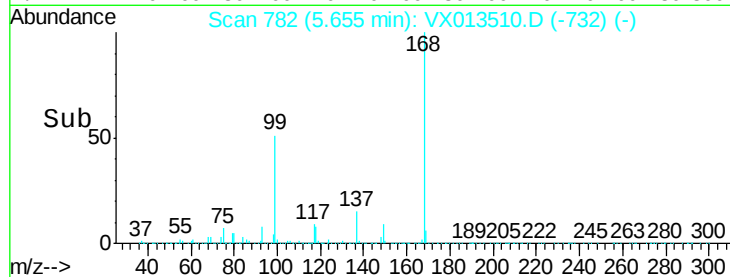
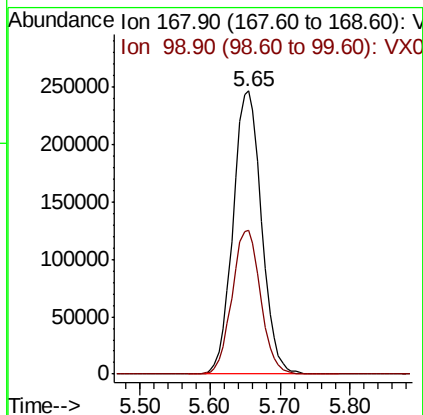
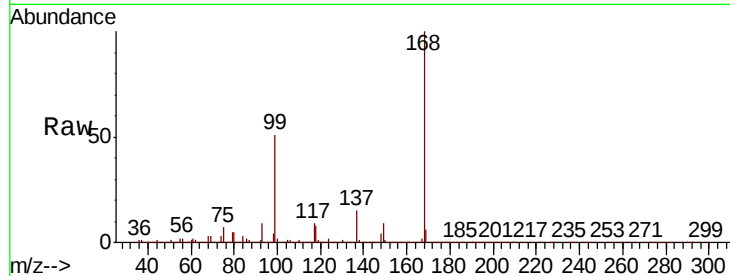


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013510.D
 Acq: 21 Nov 2019 17:56

Instrument :
 MSVOA_X
 ClientSampleId :
 15BR-20191120

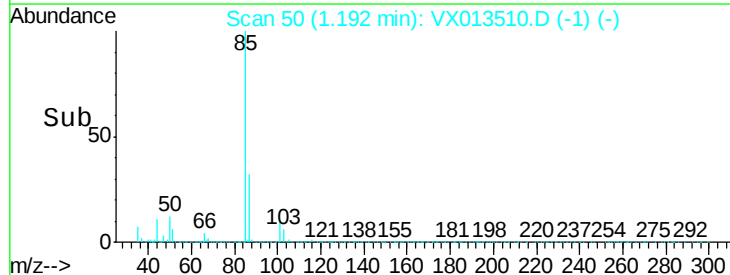
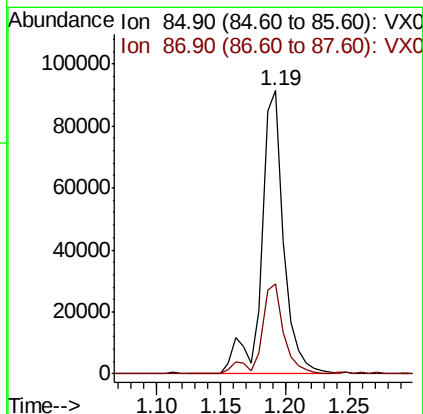
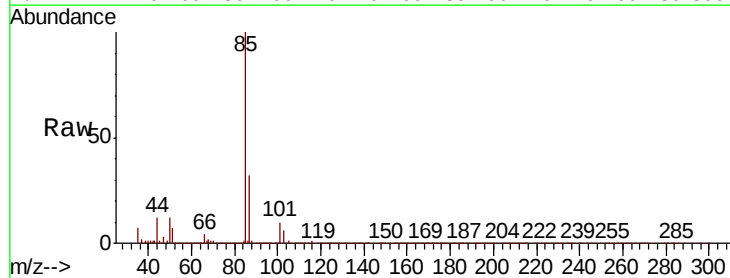
Tot Ion:168 Resp: 698465
 Ion Ratio Lower Upper
 168 100
 99 50.8 40.8 61.2

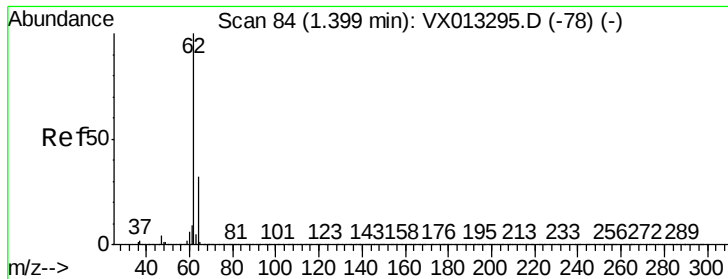


#2

Dichlorodifluoromethane
 Concen: 13.434 ug/l
 RT: 1.19 min Scan# 50
 Delta R.T. 0.01 min
 Lab File: VX013510.D
 Acq: 21 Nov 2019 17:56

Tgt Ion: 85 Resp: 108111
 Ion Ratio Lower Upper
 85 100
 87 31.5 15.9 47.6





#4

Vinyl Chloride

Concen: 152.063 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

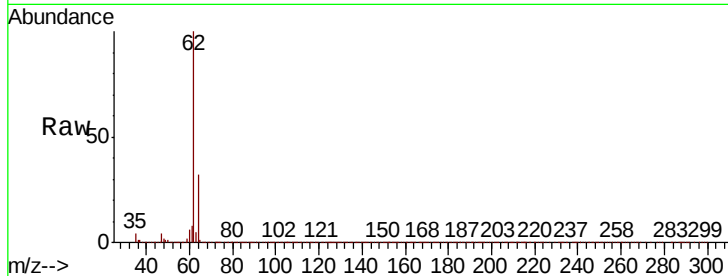
15BR-20191120

Tot Ion: 62 Resp: 1510837

Ion Ratio Lower Upper

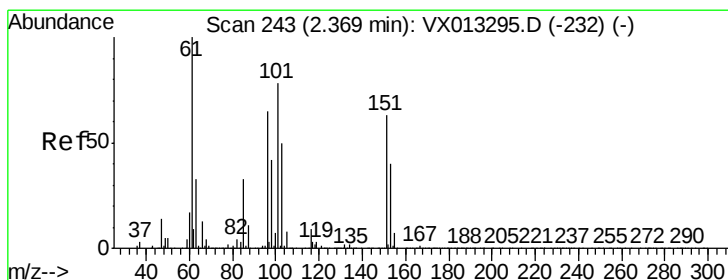
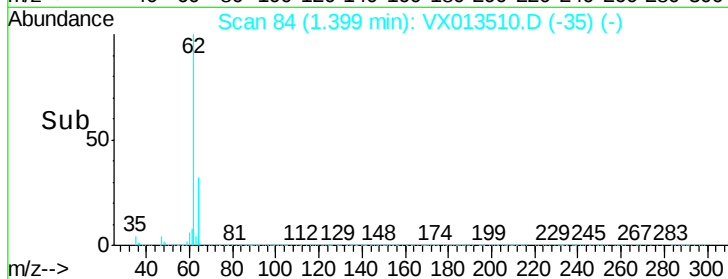
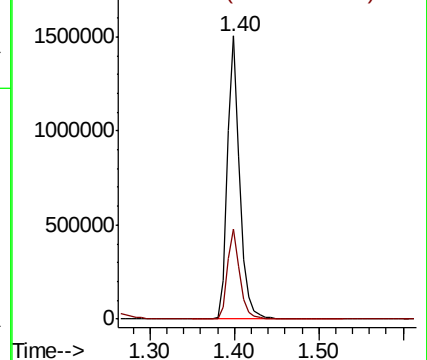
62 100

64 31.9 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.607 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

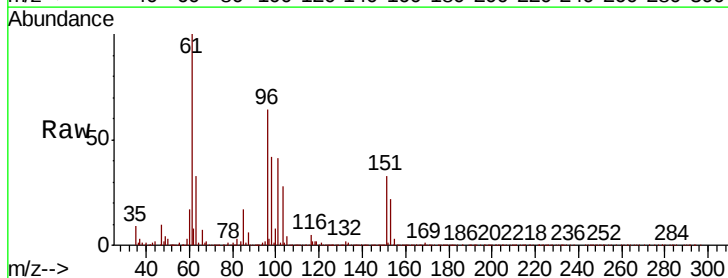
Tgt Ion: 101 Resp: 69396

Ion Ratio Lower Upper

101 100

85 42.5 34.4 51.6

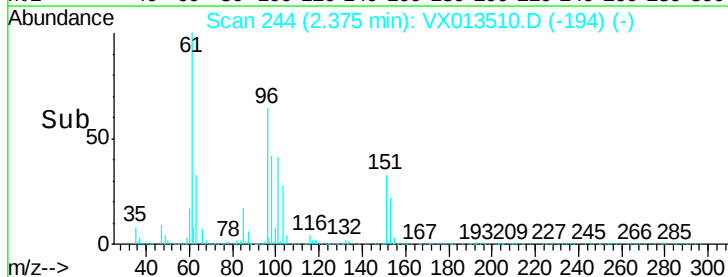
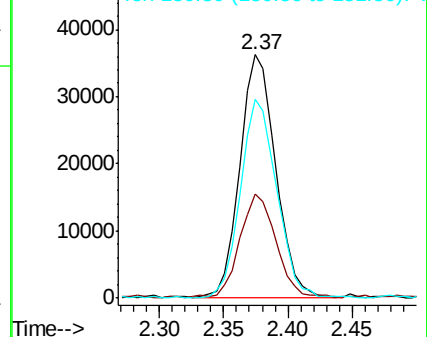
151 82.7 66.4 99.6

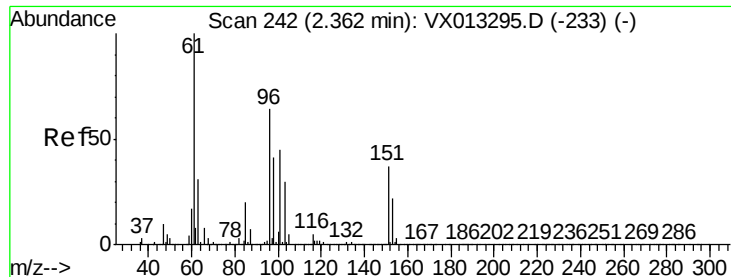


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 20.145 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120

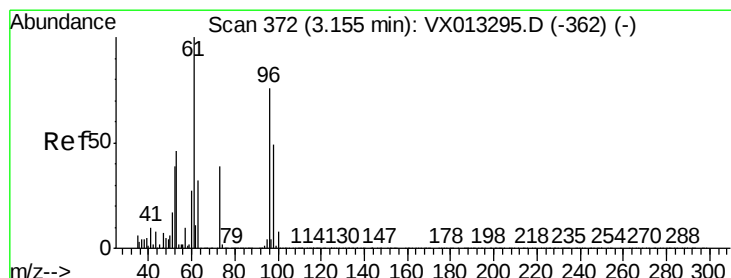
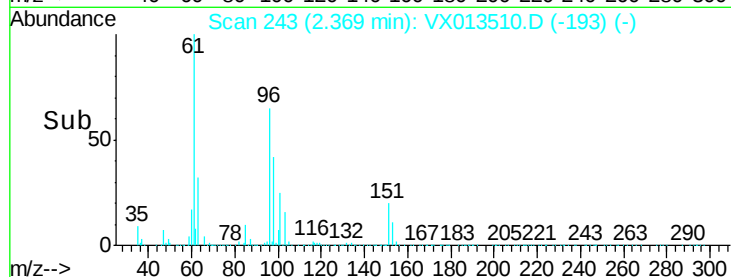
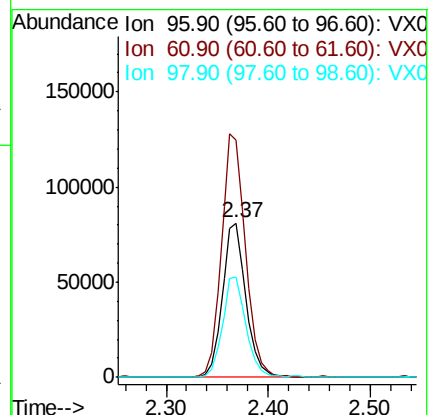
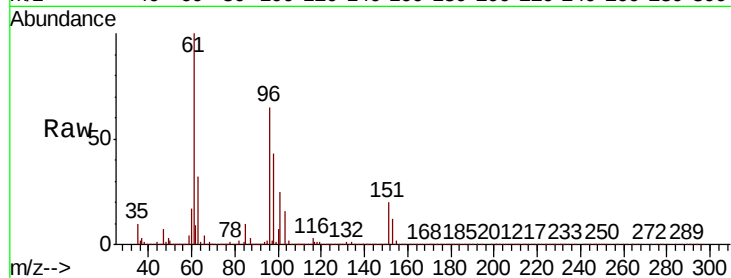
Tot Ion: 96 Resp: 129065

Ion Ratio Lower Upper

96 100

61 153.3 125.0 187.6

98 65.2 50.7 76.1



#21

trans-1,2-Dichloroethene

Concen: 24.030 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

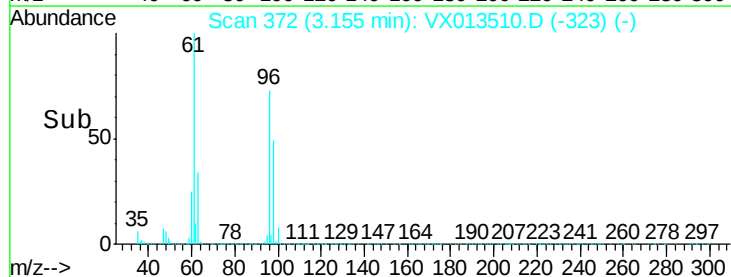
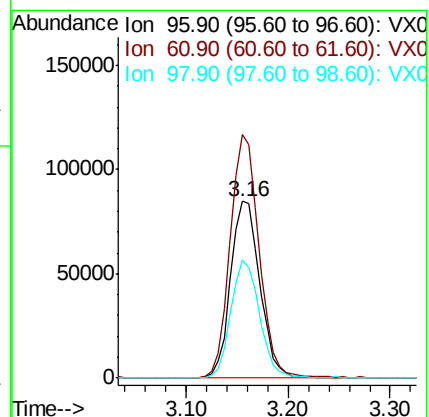
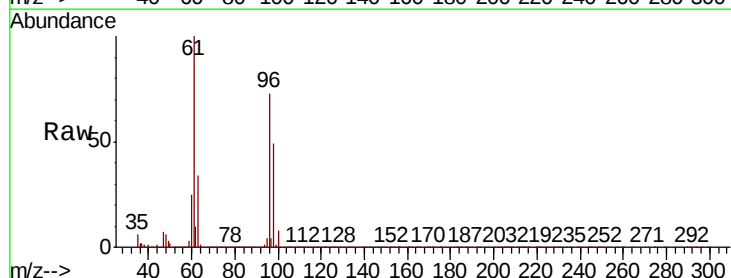
Tgt Ion: 96 Resp: 167634

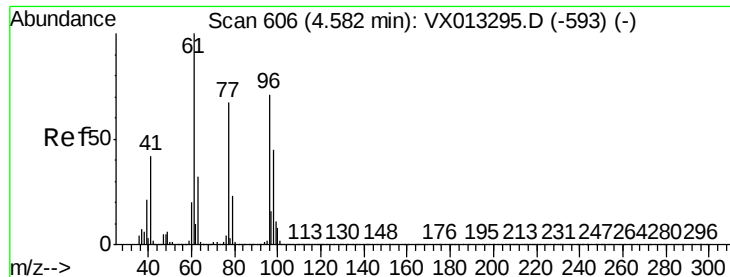
Ion Ratio Lower Upper

96 100

61 137.6 105.8 158.6

98 66.8 51.8 77.6



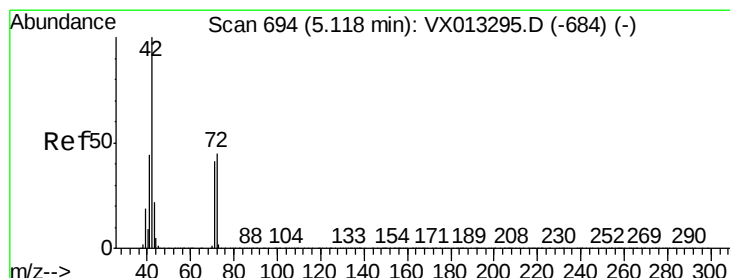
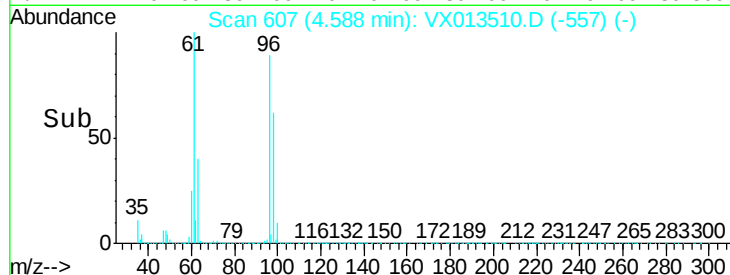
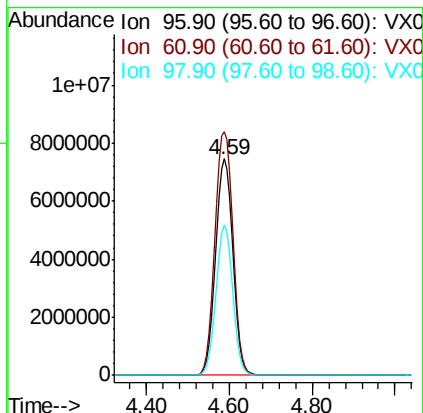
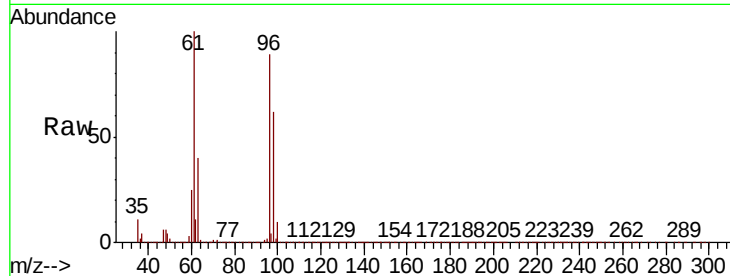


#27

cis-1,2-Dichloroethene
Concen: 2734.355 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120

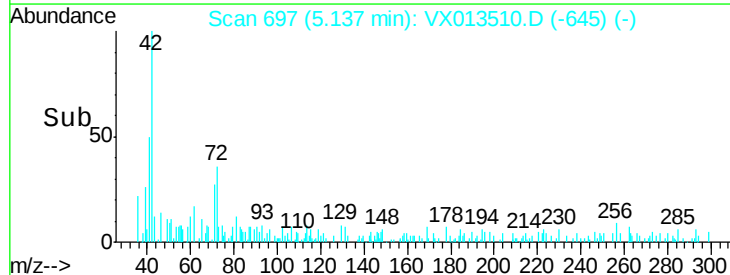
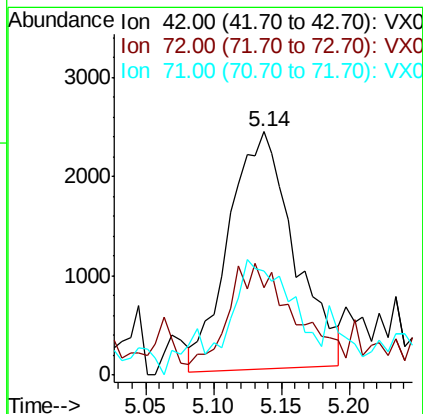
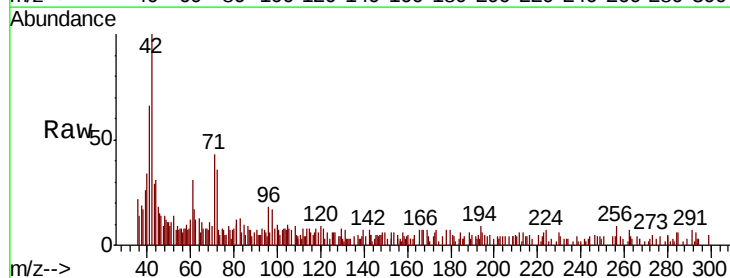
Tot Ion: 96 Resp: 21367647
Ion Ratio Lower Upper
96 100
61 117.9 0.0 288.0
98 67.2 0.0 129.6

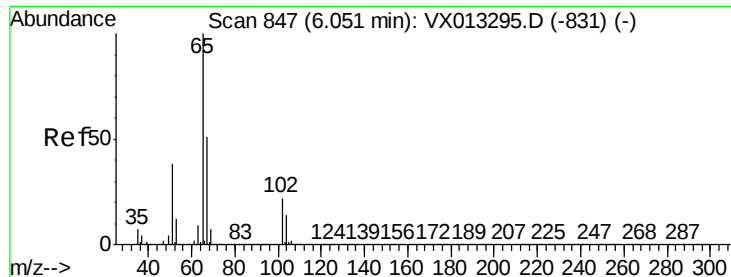


#29

Tetrahydrofuran
Concen: 2.167 ug/l
RT: 5.14 min Scan# 697
Delta R.T. 0.02 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

Tgt Ion: 42 Resp: 8086
Ion Ratio Lower Upper
42 100
72 40.9 35.8 53.8
71 30.2 33.4 50.0#





#33

1,2-Dichloroethane-d4

Concen: 50.078 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

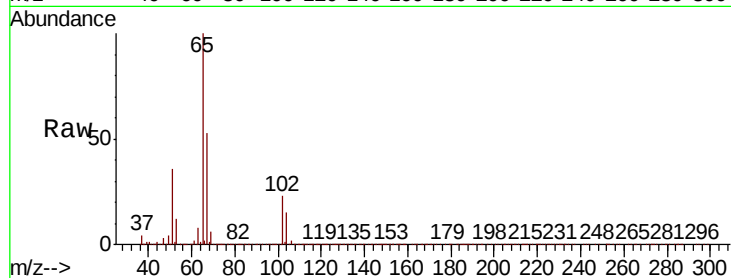
15BR-20191120

Tot Ion: 65 Resp: 414386

Ion Ratio Lower Upper

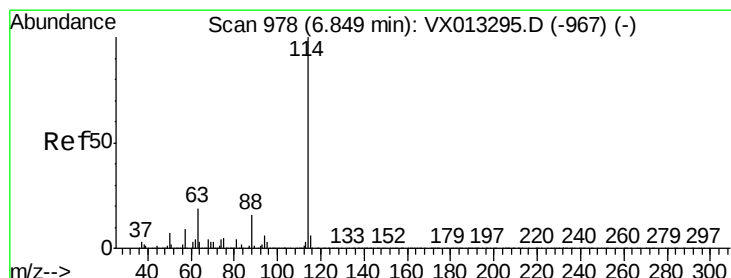
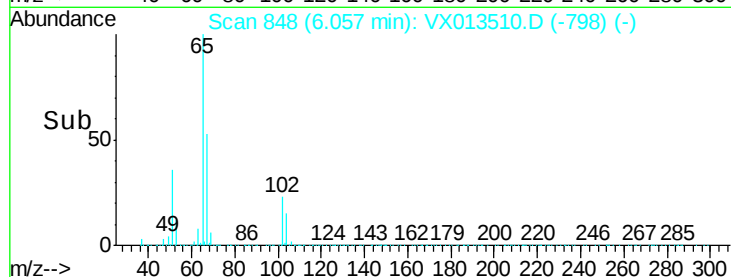
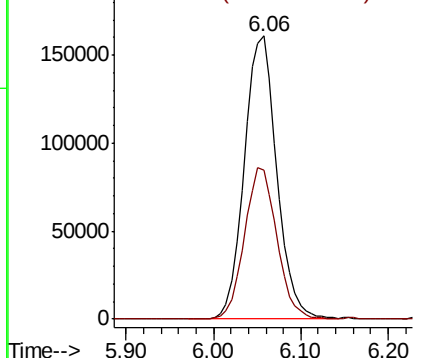
65 100

67 53.3 0.0 104.2



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: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

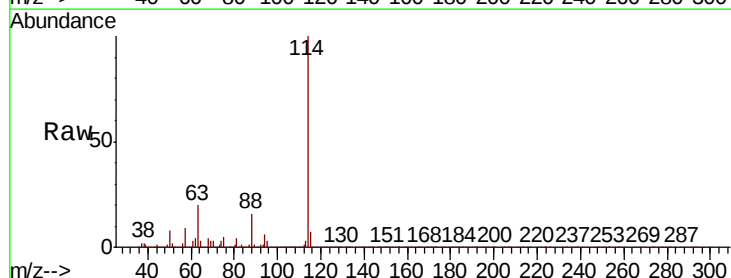
Tgt Ion: 114 Resp: 1151184

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

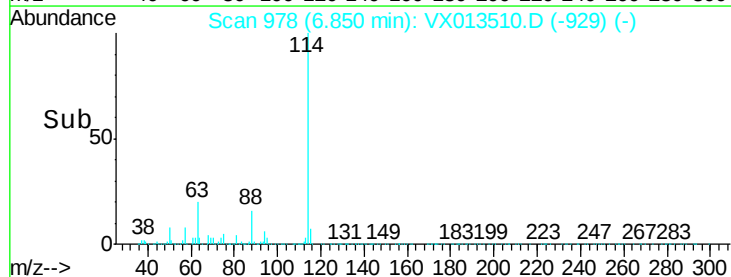
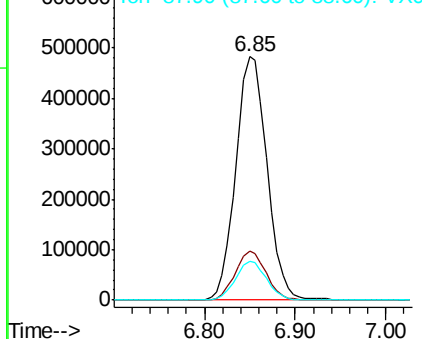
88 15.9 0.0 32.2

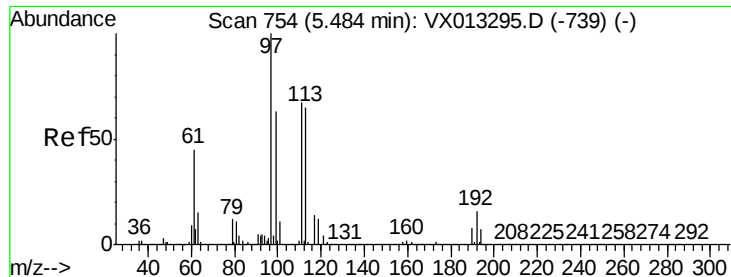


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

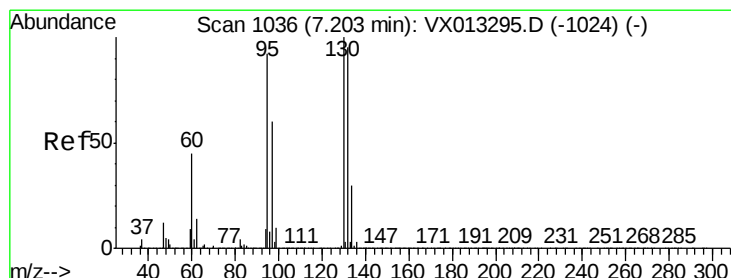
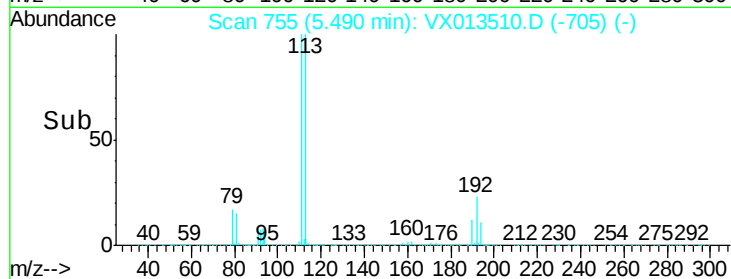
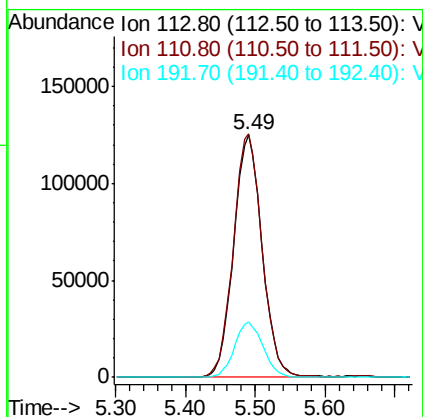
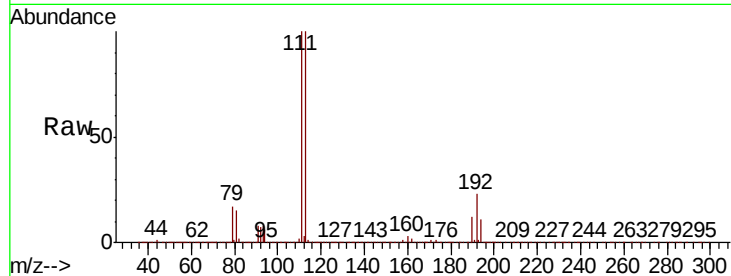




#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

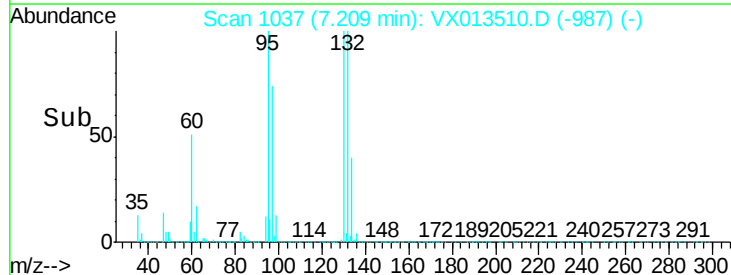
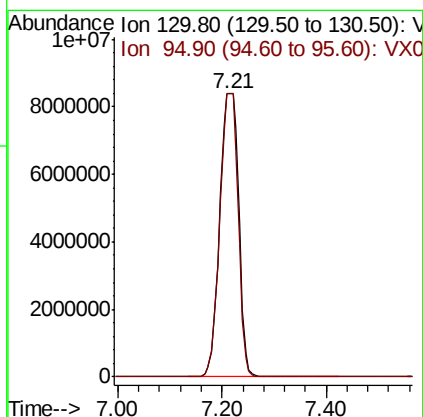
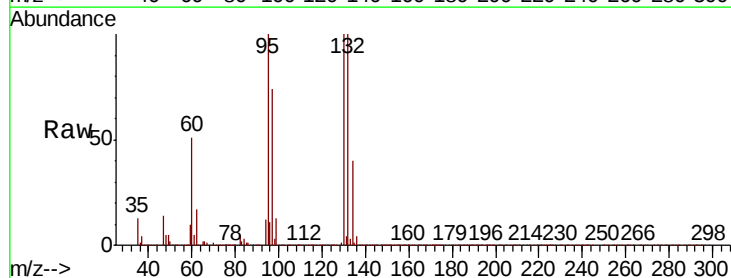
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120

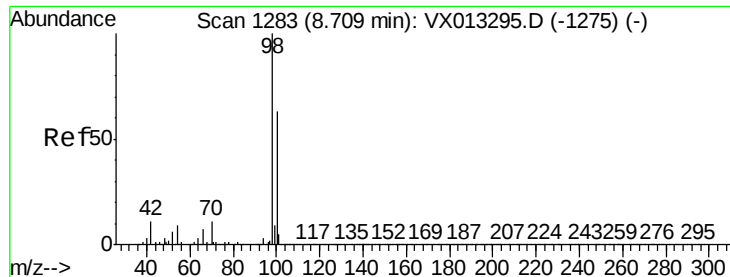
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.9	122.9
192	23.2	19.1	28.7



#44
Trichloroethene
Concen: 2564.621 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	184.8





#50

Toluene-d8

Concen: 50.590 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

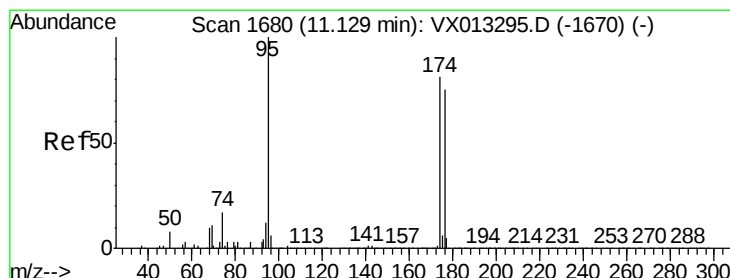
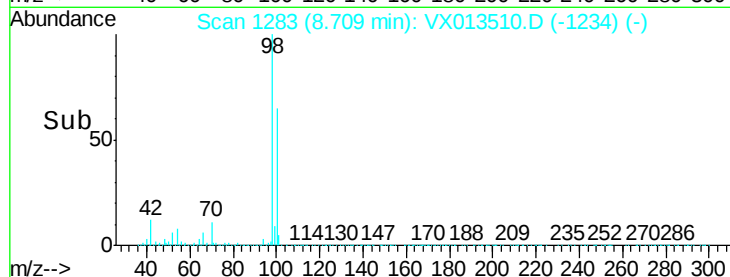
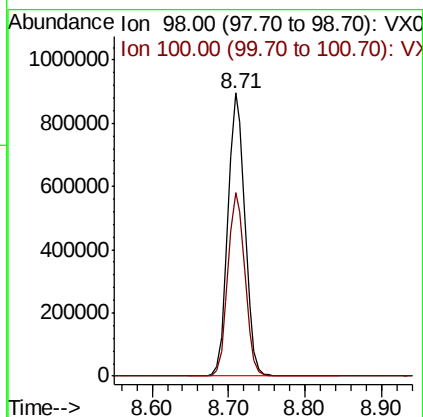
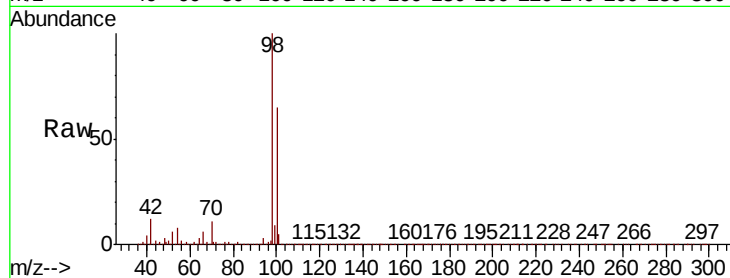
15BR-20191120

Tot Ion: 98 Resp: 1377052

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.773 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

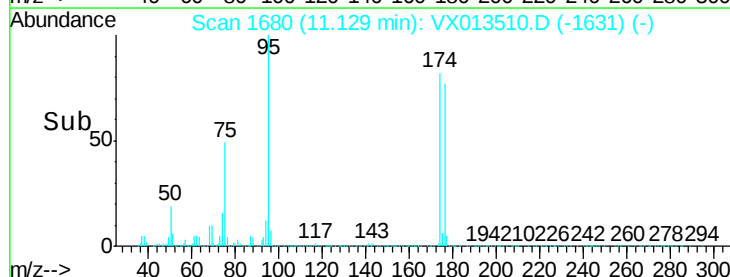
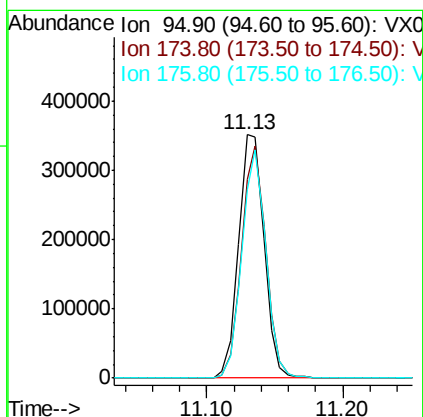
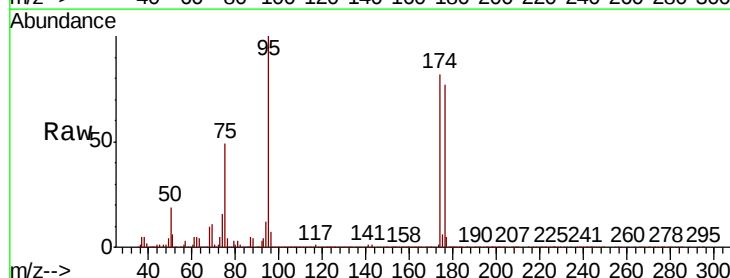
Tgt Ion: 95 Resp: 459494

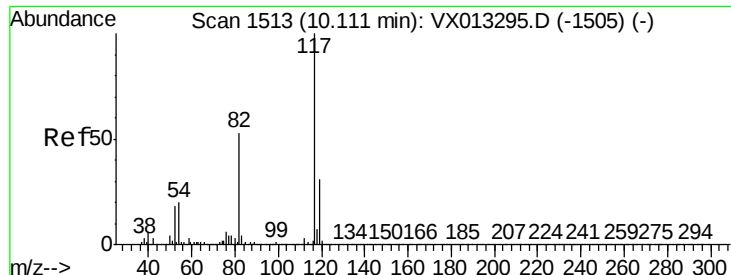
Ion Ratio Lower Upper

95 100

174 91.2 0.0 179.8

176 88.6 0.0 173.0

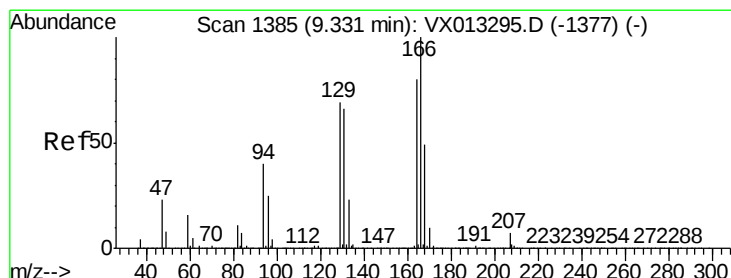
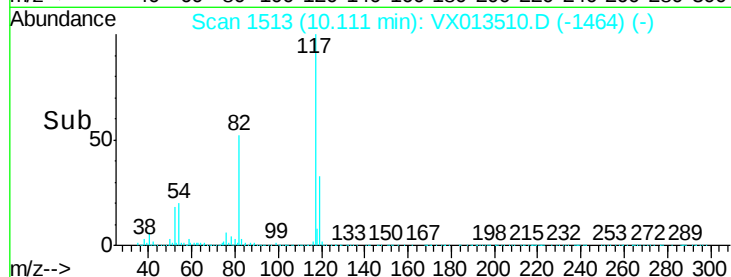
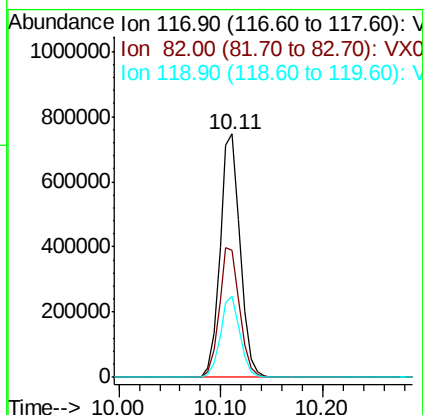
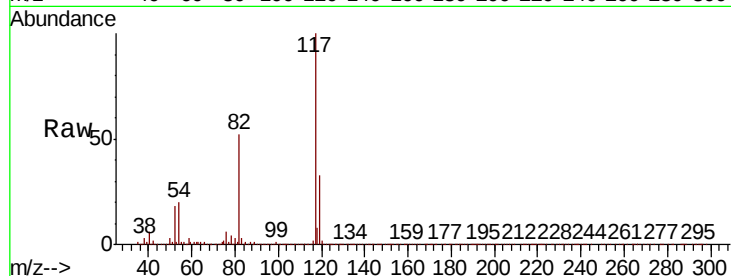




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

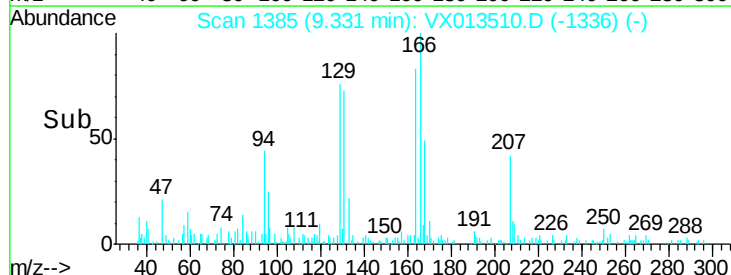
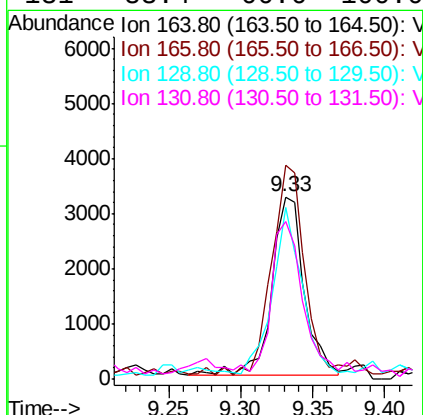
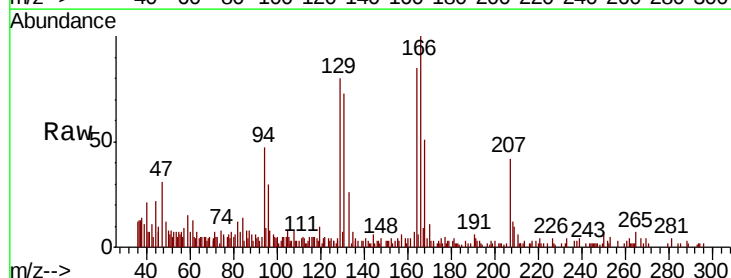
Instrument :
MSVOA_X
ClientSampleId :
15BR-20191120

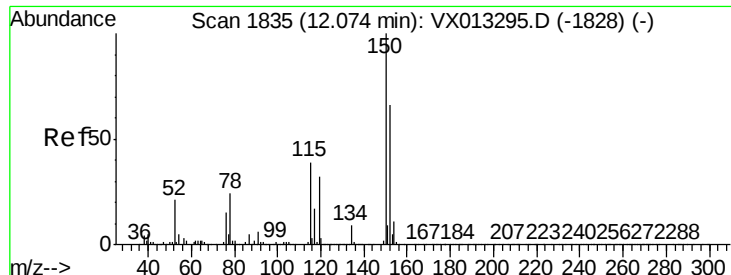
Tot Ion:117 Resp: 1022812
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 33.4 24.8 37.2



#64
Tetrachloroethene
Concen: 0.690 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013510.D
Acq: 21 Nov 2019 17:56

Tgt Ion:164 Resp: 5049
Ion Ratio Lower Upper
164 100
166 117.4 100.4 150.6
129 92.9 69.4 104.2
131 83.4 66.6 100.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013510.D

Acq: 21 Nov 2019 17:56

Instrument :

MSVOA_X

ClientSampleId :

15BR-20191120

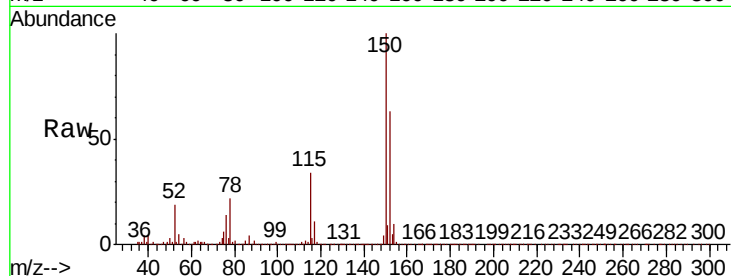
Tot Ion:152 Resp: 467209

Ion Ratio Lower Upper

152 100

115 54.4 39.5 118.3

150 158.2 0.0 344.4



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

