

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013512.D
 Acq On : 21 Nov 2019 18:43
 Operator : JC/SP
 Sample : K5962-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120

Quant Time: Nov 22 08:50:03 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	680050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1104993	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	994057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	443867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	403341	50.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.12%	
35) Dibromofluoromethane	5.49	113	332036	47.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.82%	
50) Toluene-d8	8.71	98	1327179	50.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	11.13	95	443364	47.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.04%	

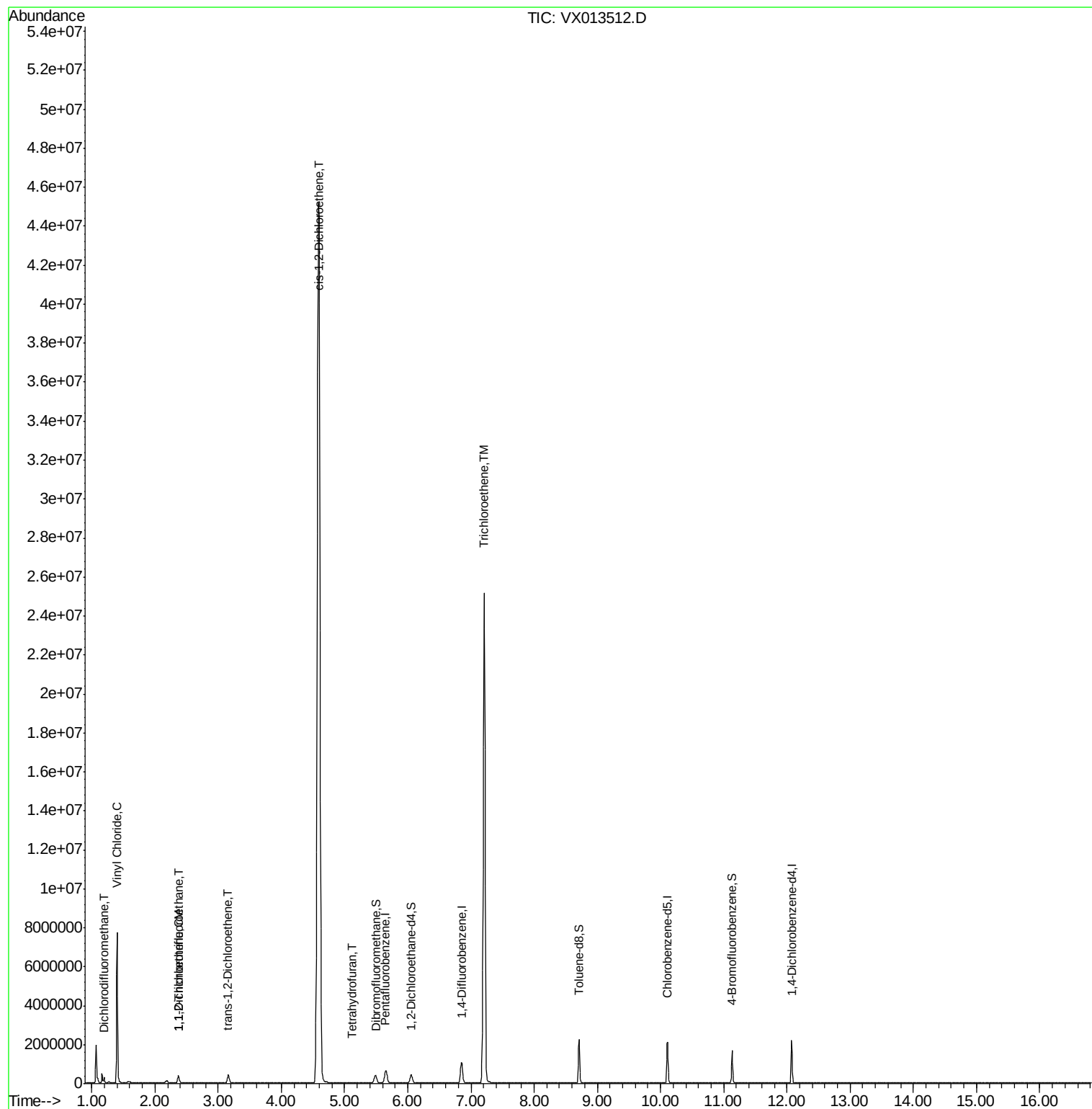
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	166136	21.203	ug/l	99
4) Vinyl Chloride	1.40	62	4714157	487.318	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	55596	8.728	ug/l	96
12) 1,1-Dichloroethene	2.37	96	96457	15.463	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	203479	29.959	ug/l	99
27) cis-1,2-Dichloroethene	4.58	96	28652215	3765.825	ug/l #	16
29) Tetrahydrofuran	5.13	42	9631	2.651	ug/l	92
44) Trichloroethene	7.21	130	9797339	1205.366	ug/l	98

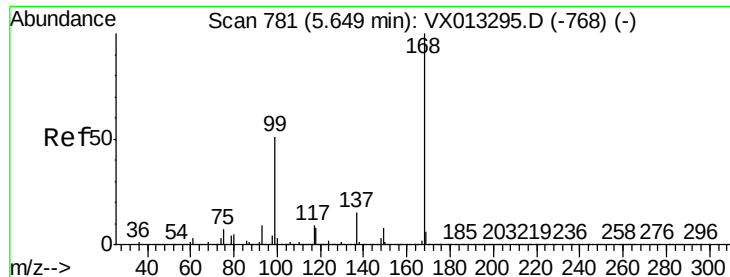
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013512.D

Acq: 21 Nov 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

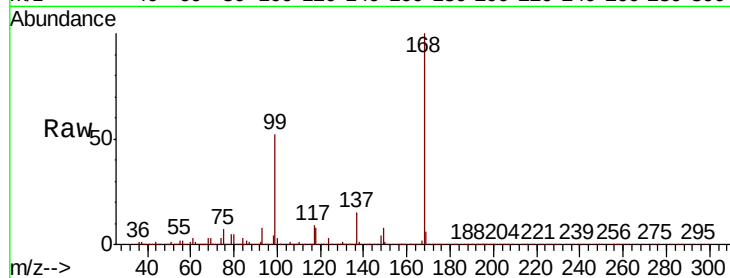
20BR-20191120

Tot Ion:168 Resp: 680050

Ion Ratio Lower Upper

168 100

99 52.2 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

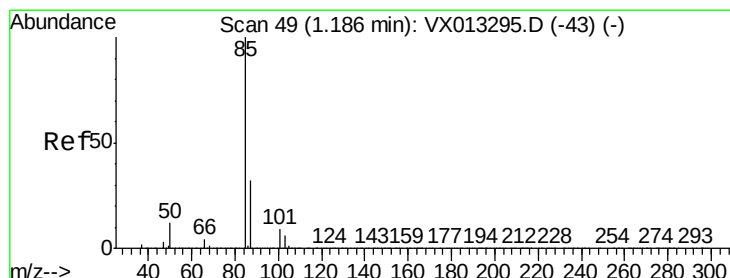
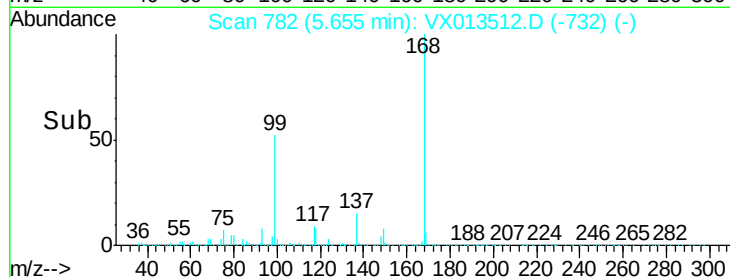
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.203 ug/l

RT: 1.19 min Scan# 49

Delta R.T. 0.00 min

Lab File: VX013512.D

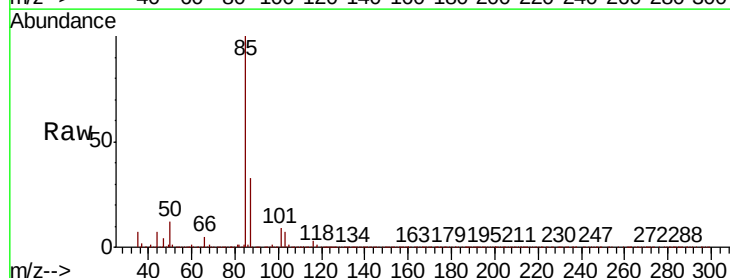
Acq: 21 Nov 2019 18:43

Tgt Ion: 85 Resp: 166136

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

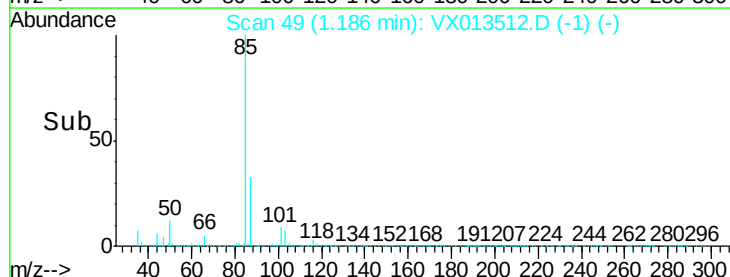
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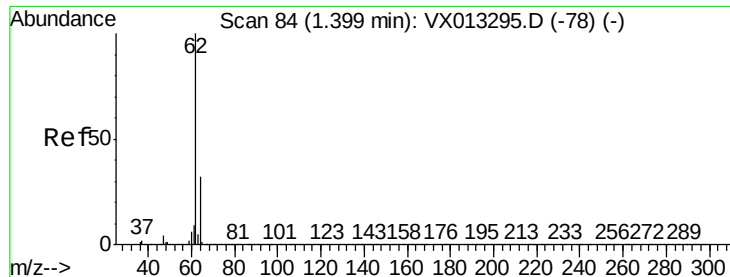
100000

50000

0

Time-->





#4

Vinyl Chloride

Concen: 487.318 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013512.D

Acq: 21 Nov 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

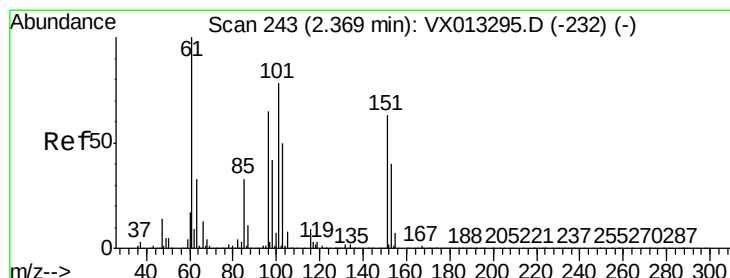
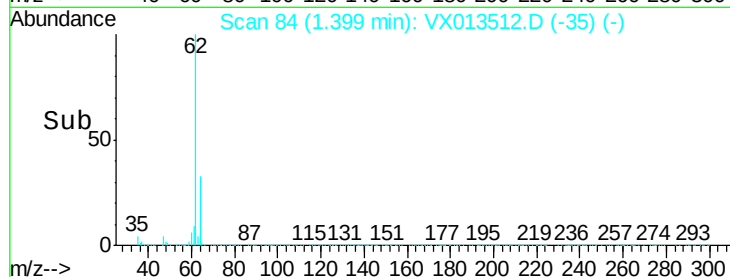
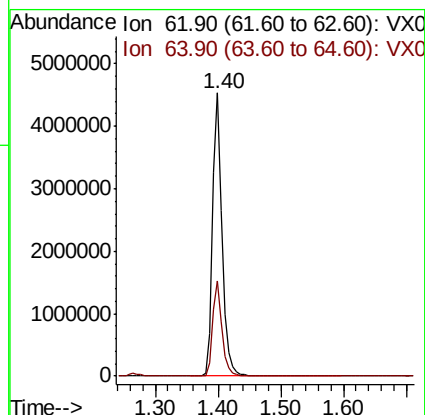
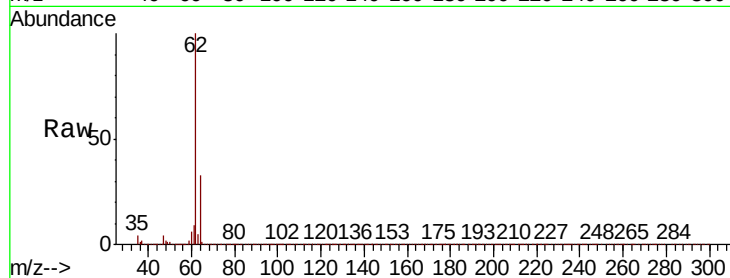
20BR-20191120

Tot Ion: 62 Resp: 4714157

Ion Ratio Lower Upper

62 100

64 33.4 25.6 38.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.728 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX013512.D

Acq: 21 Nov 2019 18:43

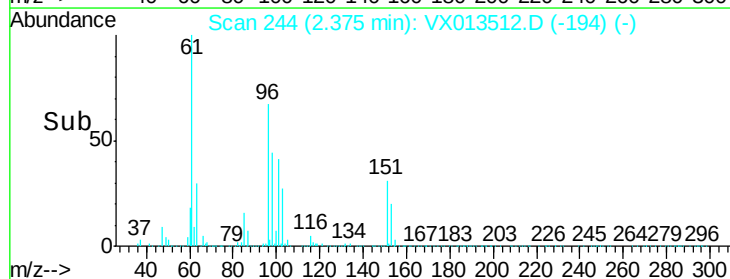
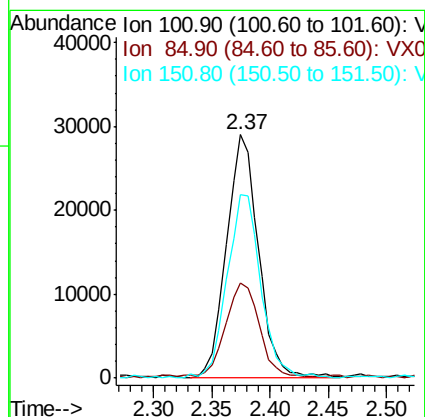
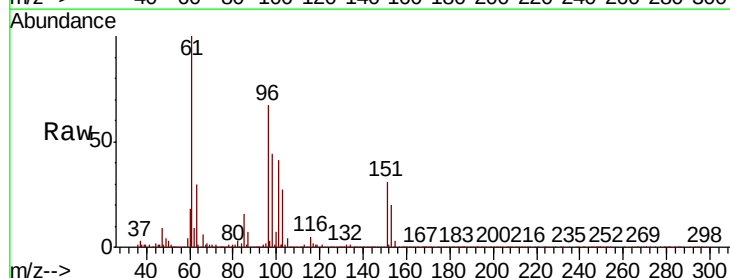
Tgt Ion: 101 Resp: 55596

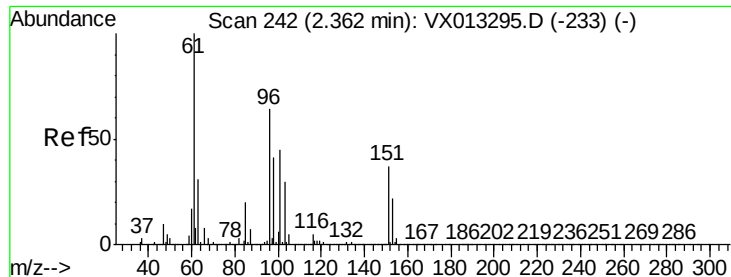
Ion Ratio Lower Upper

101 100

85 40.1 34.4 51.6

151 79.5 66.4 99.6

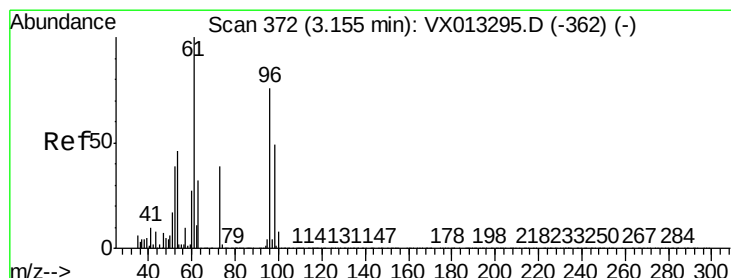
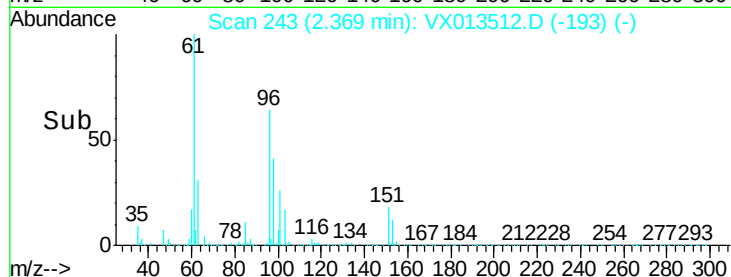
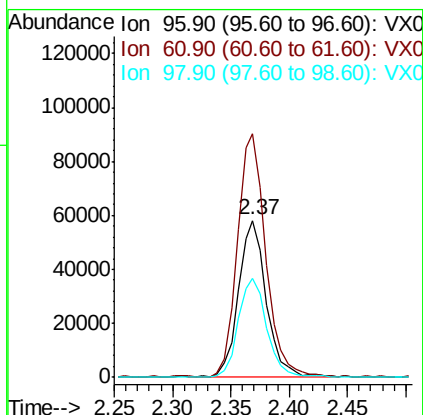
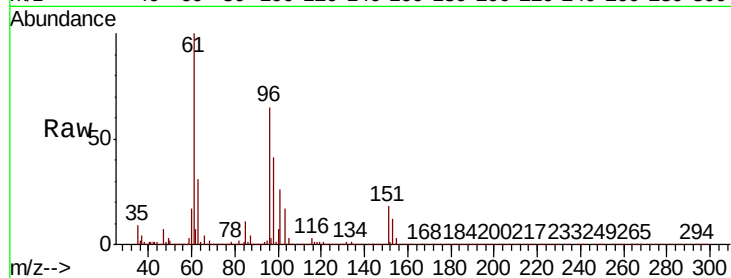




#12
1,1-Dichloroethene
Concen: 15.463 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013512.D
Acq: 21 Nov 2019 18:43

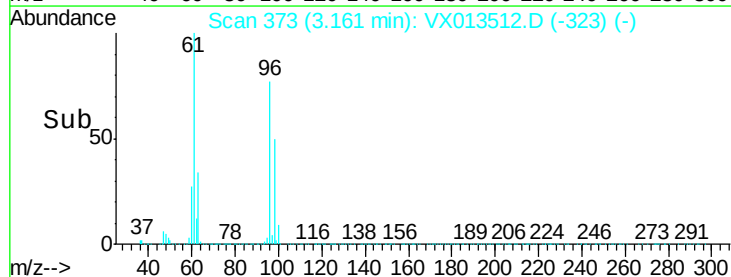
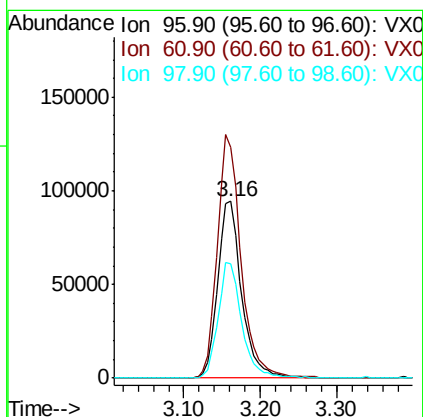
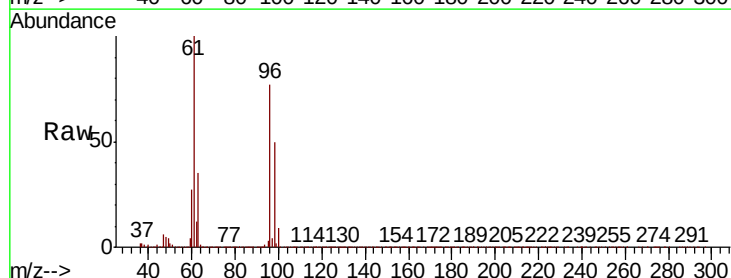
Instrument :
MSVOA_X
ClientSampleId :
20BR-20191120

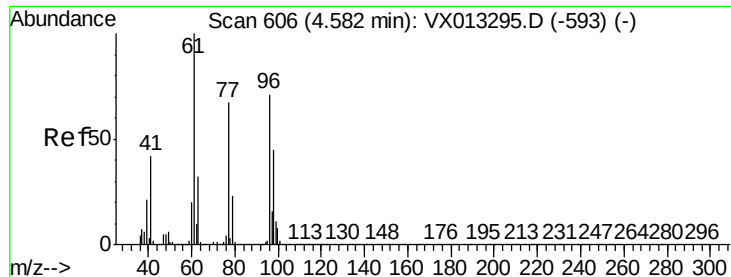
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	125.0	187.6
98	62.6	50.7	76.1



#21
trans-1,2-Dichloroethene
Concen: 29.959 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013512.D
Acq: 21 Nov 2019 18:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.0	105.8	158.6
98	64.9	51.8	77.6



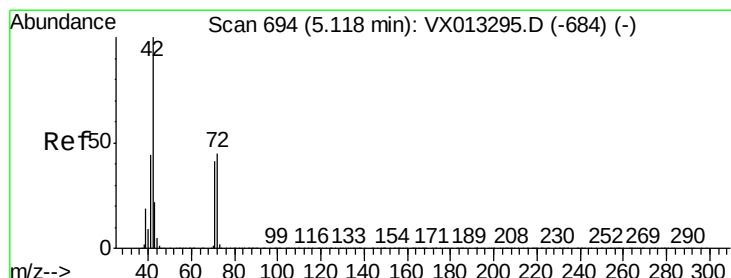
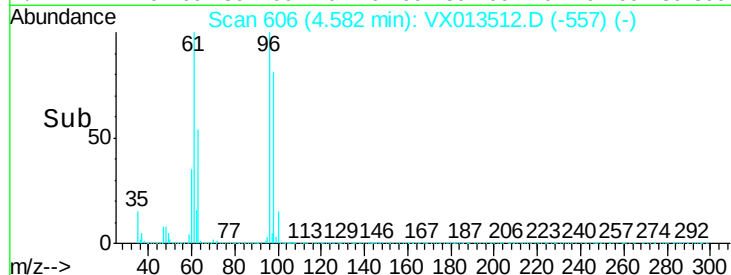
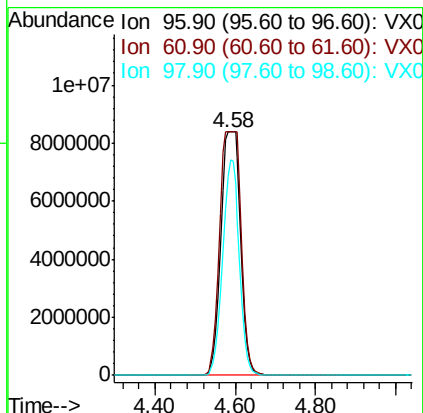
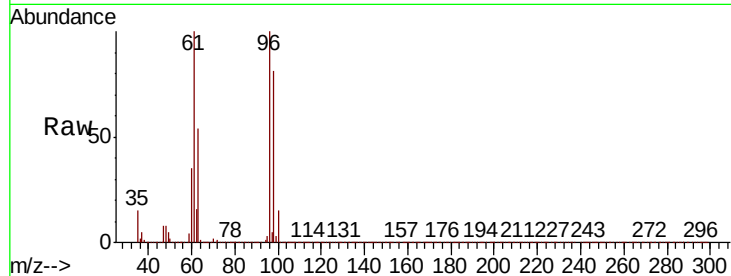


#27

cis-1,2-Dichloroethene
 Concen: 3765.825 ug/l
 RT: 4.58 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120

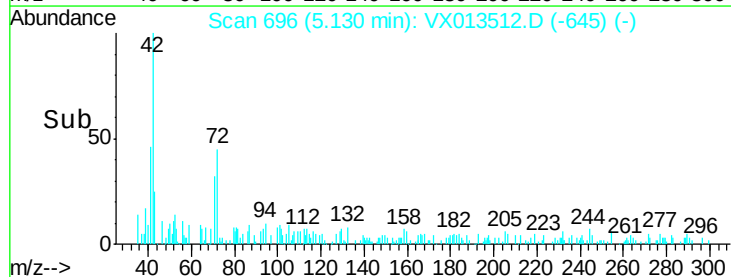
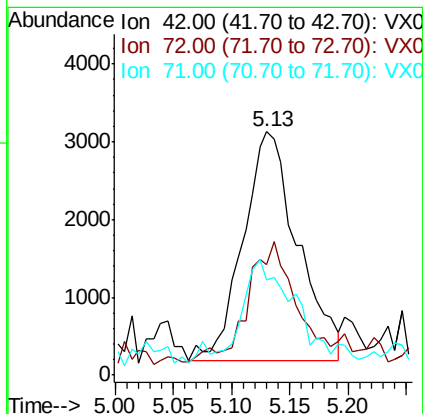
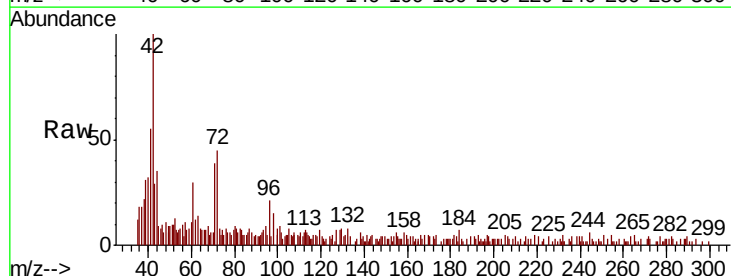
Tot Ion: 96 Resp: 28652215
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 288.0
 98 74.8 0.0 129.6

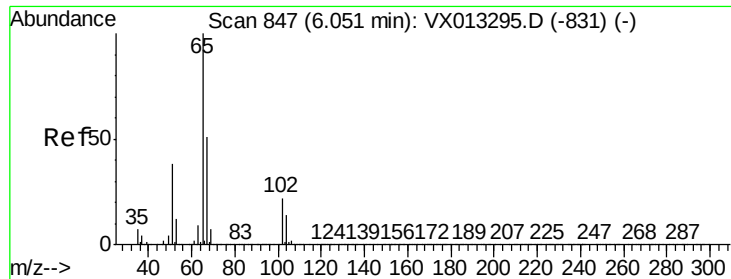


#29

Tetrahydrofuran
 Concen: 2.651 ug/l
 RT: 5.13 min Scan# 696
 Delta R.T. 0.01 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

Tgt Ion: 42 Resp: 9631
 Ion Ratio Lower Upper
 42 100
 72 41.3 35.8 53.8
 71 34.7 33.4 50.0

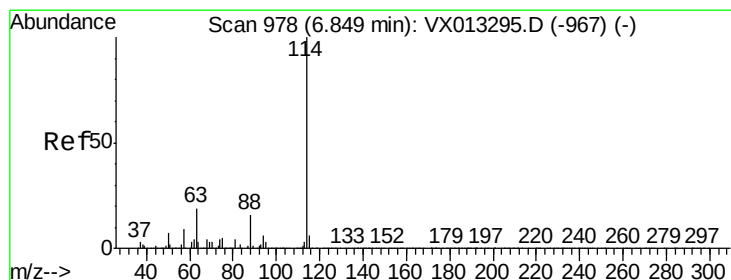
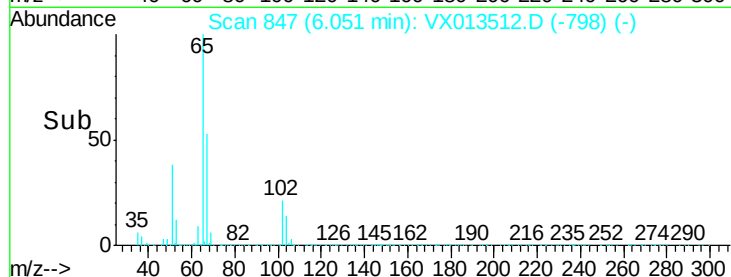
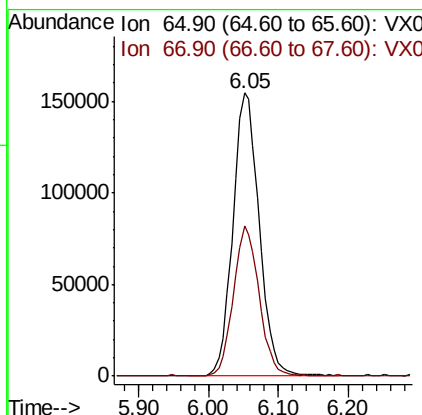
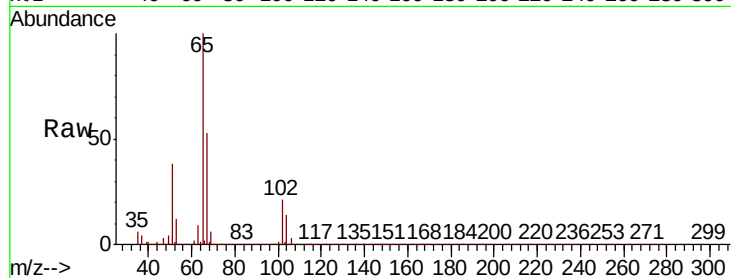




#33
 1,2-Dichloroethane-d4
 Concen: 50.064 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

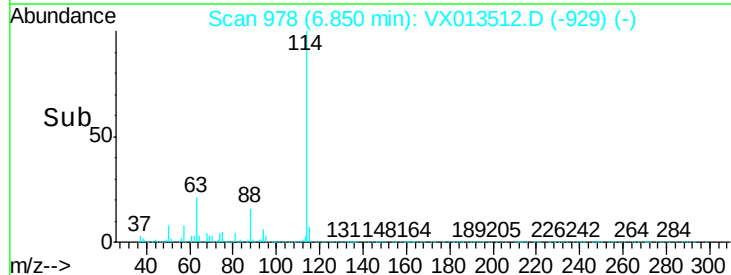
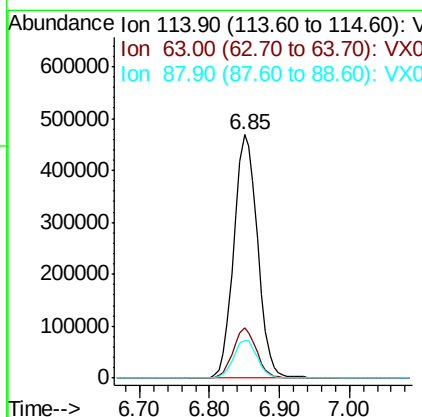
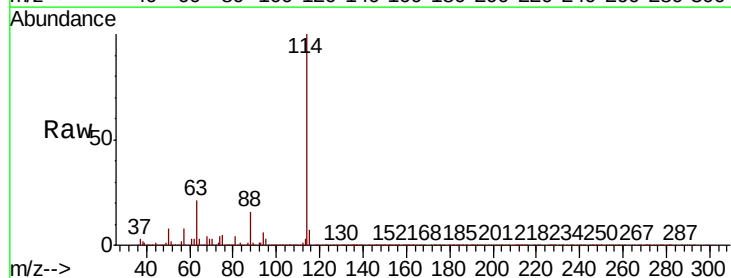
Instrument :
 MSVOA_X
 ClientSampleId :
 20BR-20191120

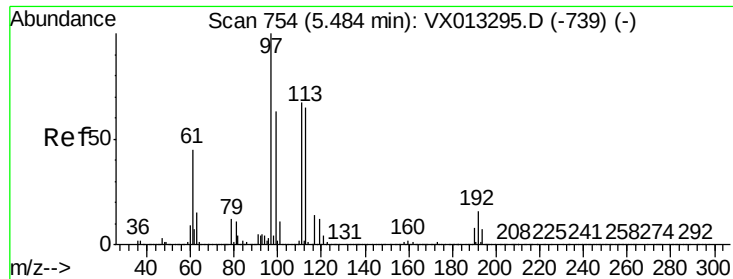
Tot Ion: 65 Resp: 403341
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

Tgt Ion: 114 Resp: 1104993
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 38.4
 88 15.6 0.0 32.2

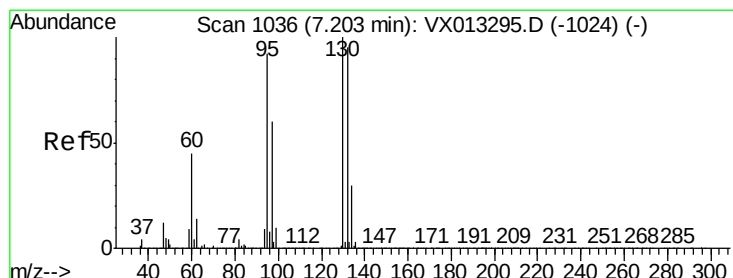
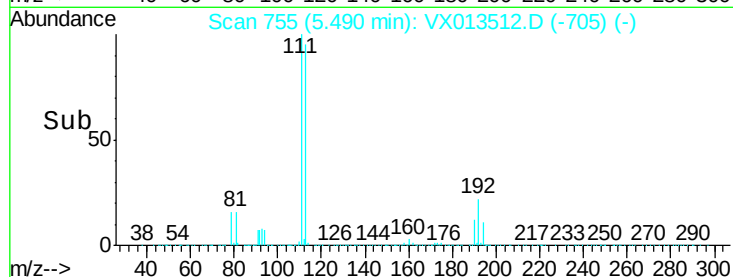
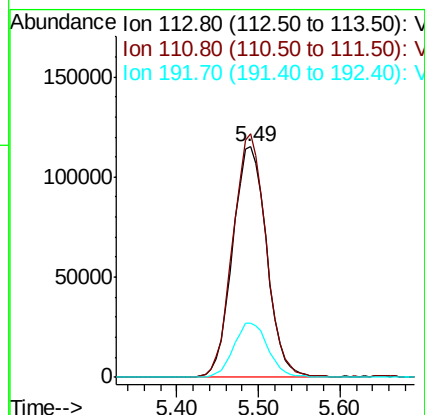
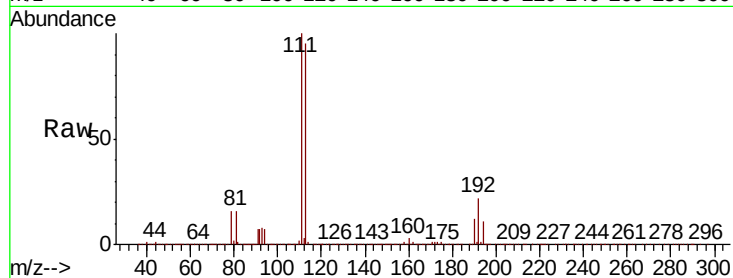




#35
 Dibromofluoromethane
 Concen: 47.908 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

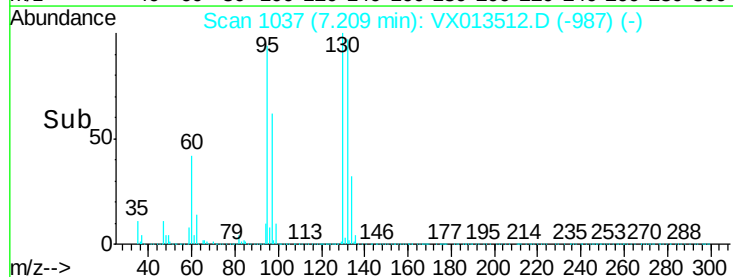
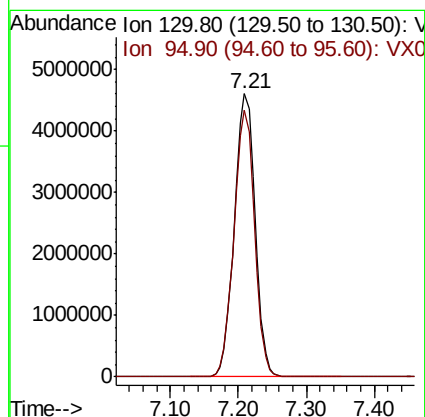
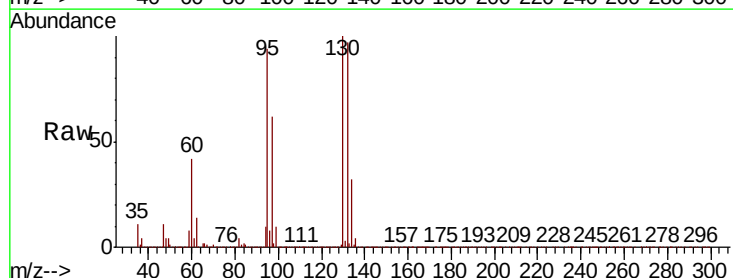
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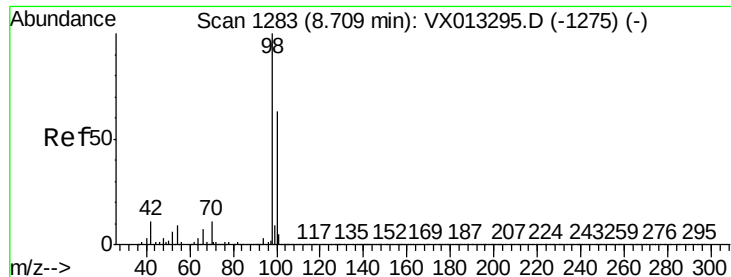
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	23.8	19.1	28.7



#44
 Trichloroethene
 Concen: 1205.366 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: VX013512.D
 Acq: 21 Nov 2019 18:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	184.8

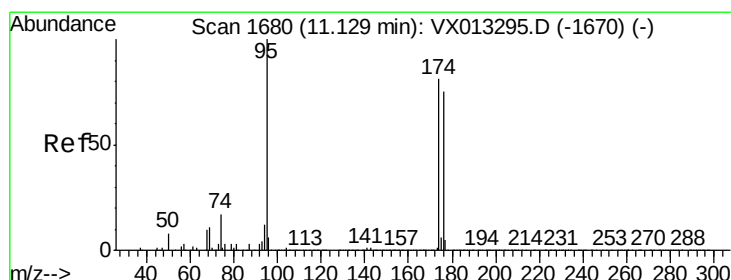
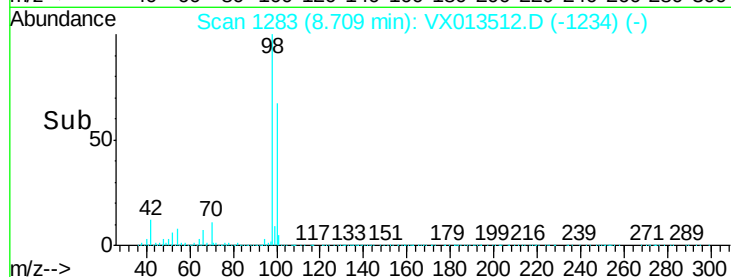
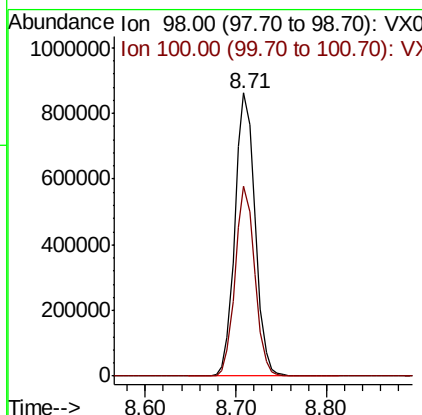
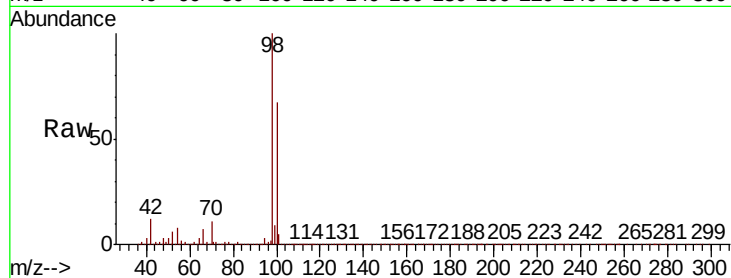




#50
Toluene-d8
Concen: 50.796 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013512.D
Acq: 21 Nov 2019 18:43

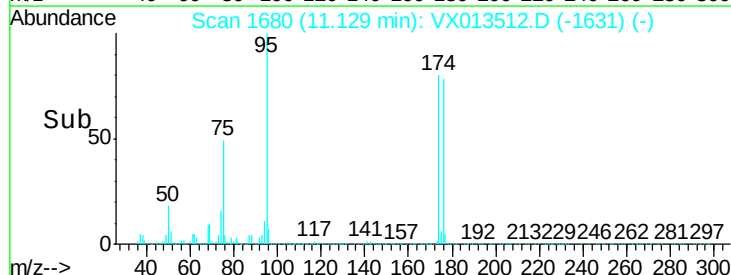
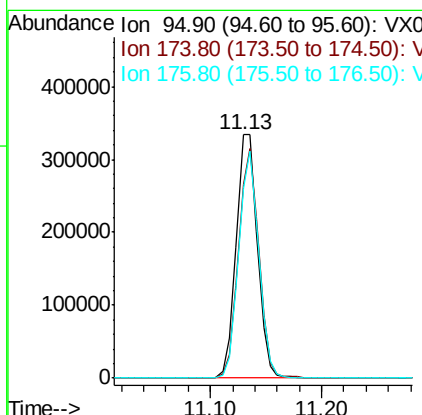
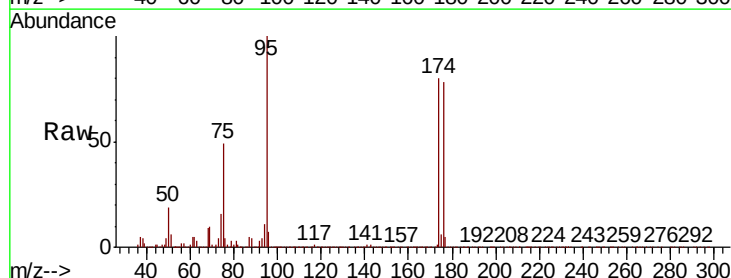
Instrument :
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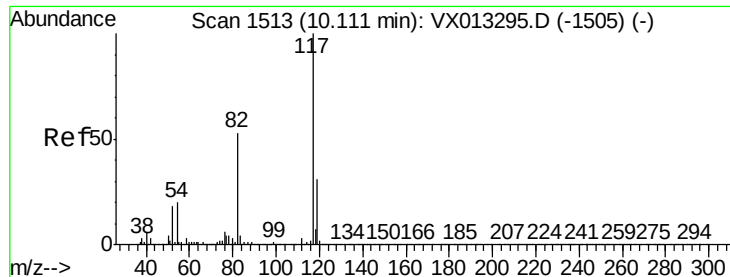
Tot Ion: 98 Resp: 1327179
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 47.018 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013512.D
Acq: 21 Nov 2019 18:43

Tgt Ion: 95 Resp: 443364
Ion Ratio Lower Upper
95 100
174 90.1 0.0 179.8
176 88.0 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: VX013512.D

Acq: 21 Nov 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

20BR-20191120

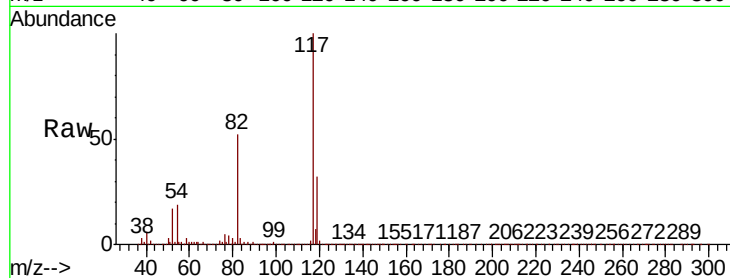
Tot Ion:117 Resp: 994057

Ion Ratio Lower Upper

117 100

82 52.1 42.6 64.0

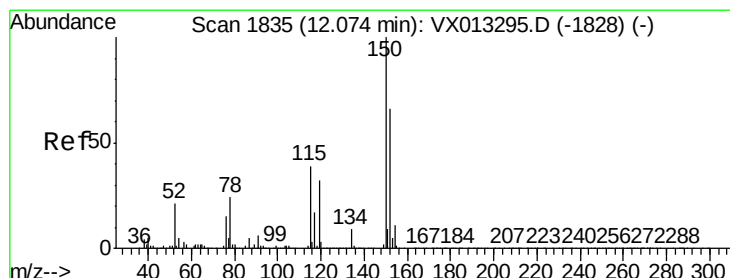
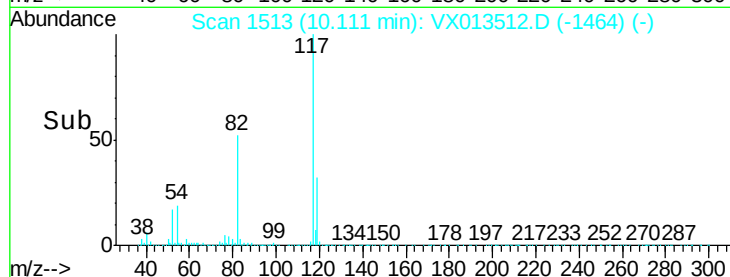
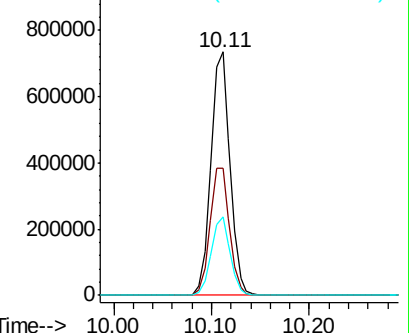
119 32.1 24.8 37.2



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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013512.D

Acq: 21 Nov 2019 18:43

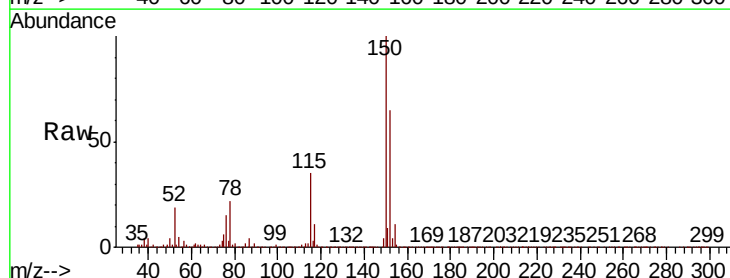
Tgt Ion:152 Resp: 443867

Ion Ratio Lower Upper

152 100

115 54.9 39.5 118.3

150 157.7 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

