

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111519\
 Data File : VX013442.D
 Acq On : 15 Nov 2019 13:39
 Operator : JC/SP
 Sample : K5884-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0164

Quant Time: Nov 16 00:27:00 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	733446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1186027	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1046763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	469143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	428592	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	5.48	113	353871	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
50) Toluene-d8	8.71	98	1392827	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
62) 4-Bromofluorobenzene	11.14	95	466434	46.08	ug/l	0.00
Spiked Amount			Recovery	=	92.16%	

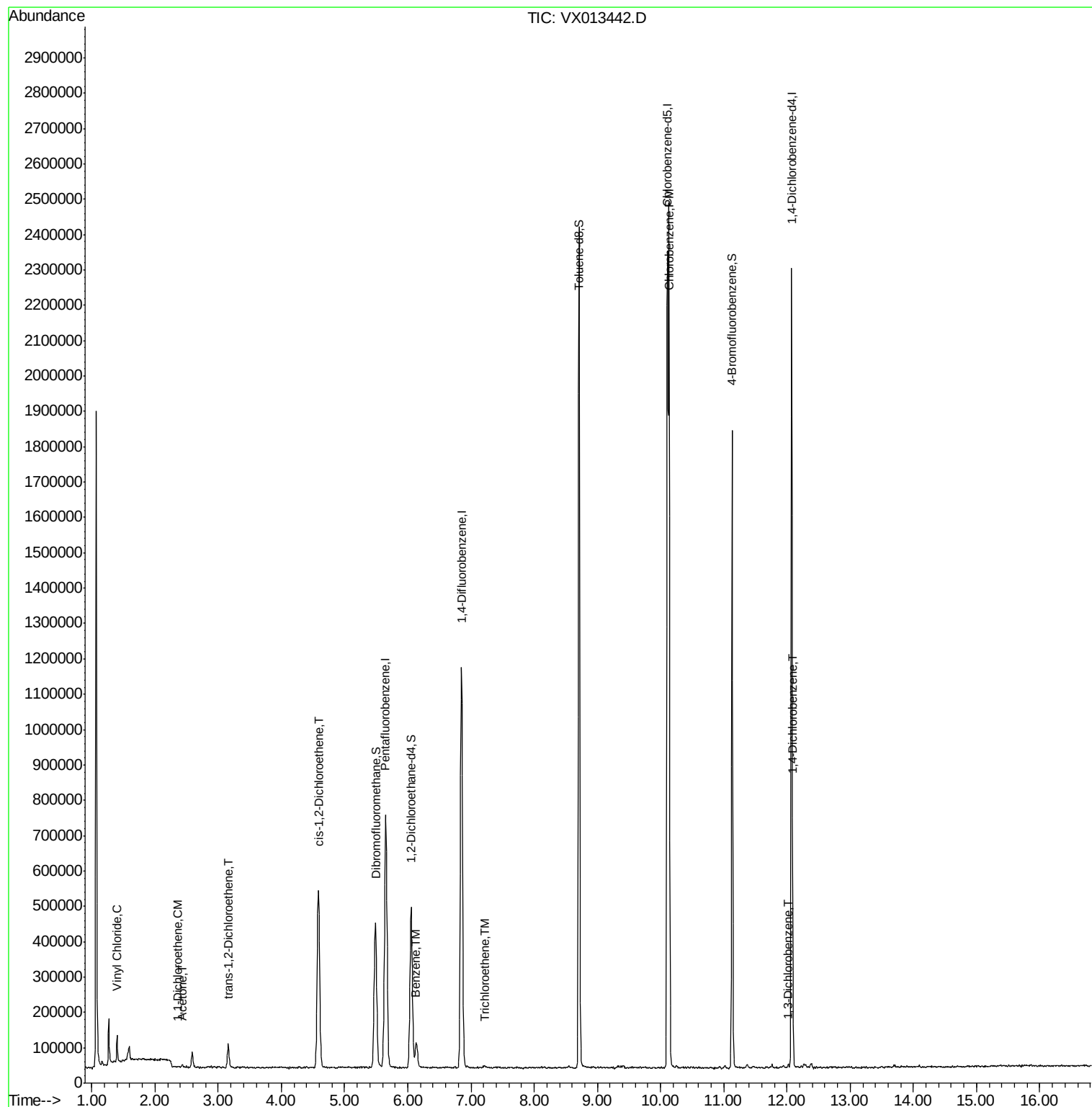
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	44461	4.261	ug/l	99
12) 1,1-Dichloroethene	2.36	96	2353	0.350	ug/l #	74
16) Acetone	2.43	43	7941	1.832	ug/l	98
21) trans-1,2-Dichloroethene	3.15	96	28812	3.933	ug/l	96
27) cis-1,2-Dichloroethene	4.58	96	334534	40.768	ug/l	89
40) Benzene	6.13	78	90743	2.863	ug/l	99
44) Trichloroethene	7.21	130	3719	0.426	ug/l	85
65) Chlorobenzene	10.14	112	1086429	51.265	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	3857	0.261	ug/l	87
88) 1,4-Dichlorobenzene	12.09	146	43532	2.891	ug/l	91

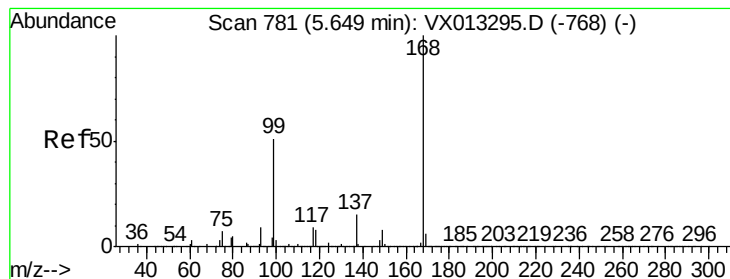
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 16 00:27:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
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: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

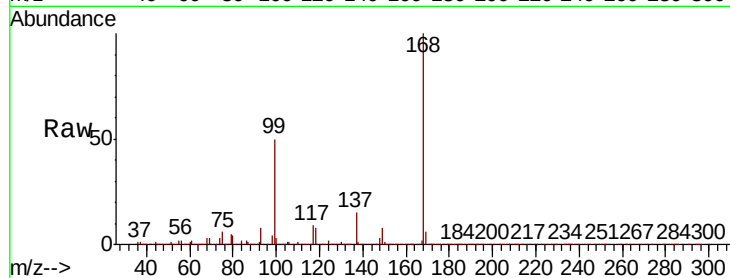
S36-0164

Tot Ion:168 Resp: 733446

Ion Ratio Lower Upper

168 100

99 49.7 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

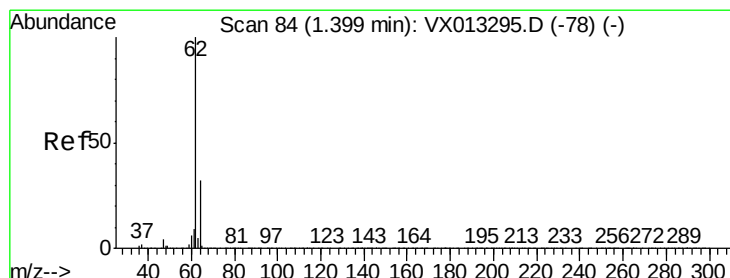
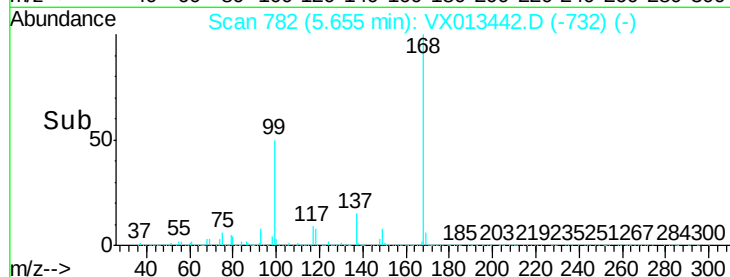
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 4.261 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX013442.D

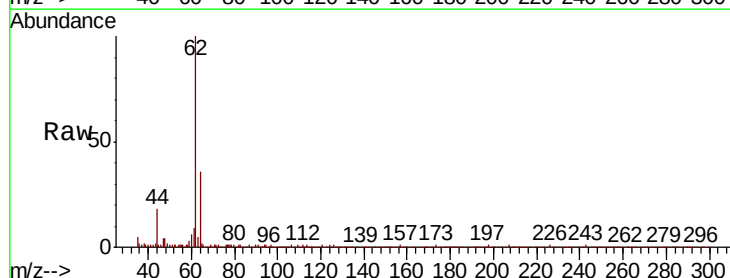
Acq: 15 Nov 2019 13:39

Tgt Ion: 62 Resp: 44461

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

50000

40000

30000

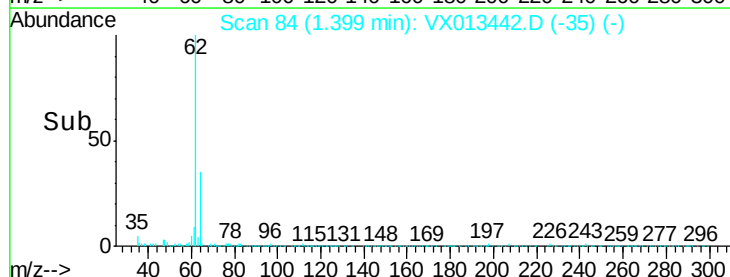
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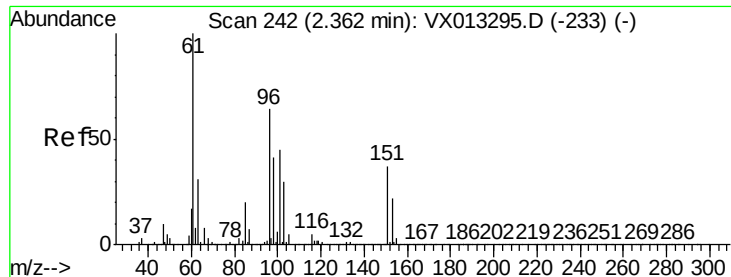
10000

0

Time-->

1.30 1.35 1.40 1.45 1.50





#12

1,1-Dichloroethene

Concen: 0.350 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

S36-0164

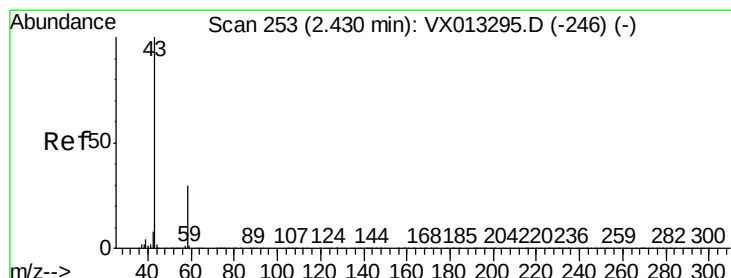
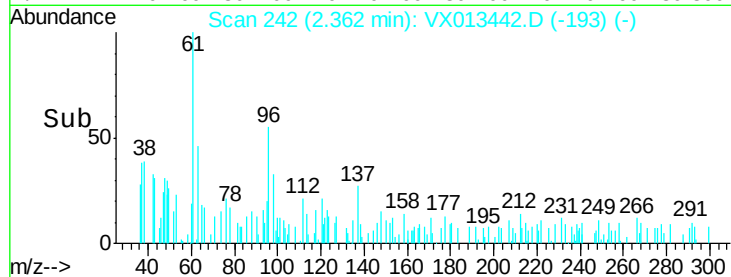
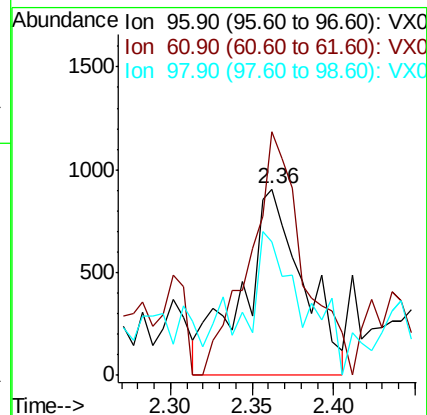
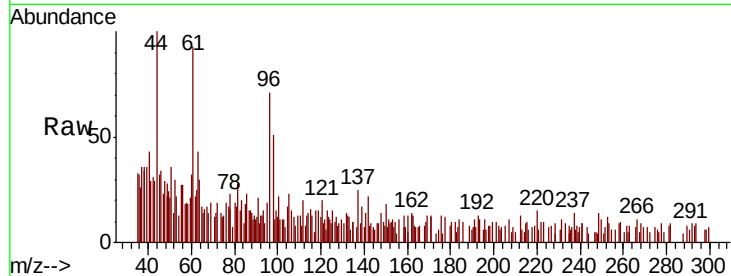
Tot Ion: 96 Resp: 2353

Ion Ratio Lower Upper

96 100

61 112.8 125.0 187.6#

98 69.2 50.7 76.1



#16

Acetone

Concen: 1.832 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013442.D

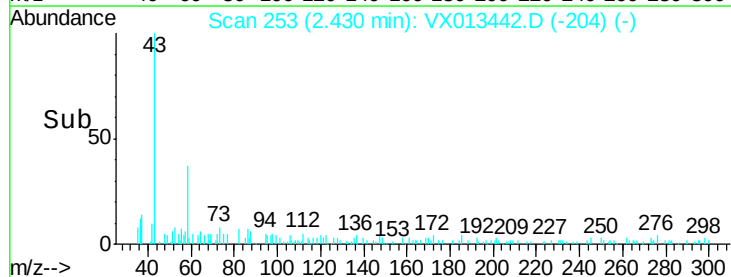
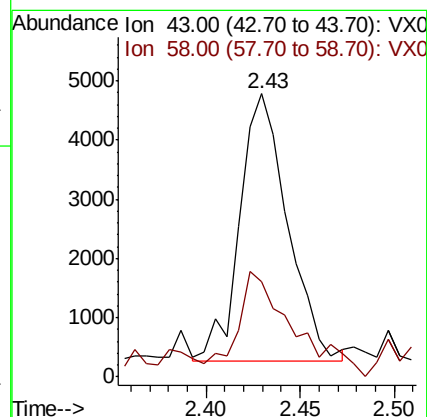
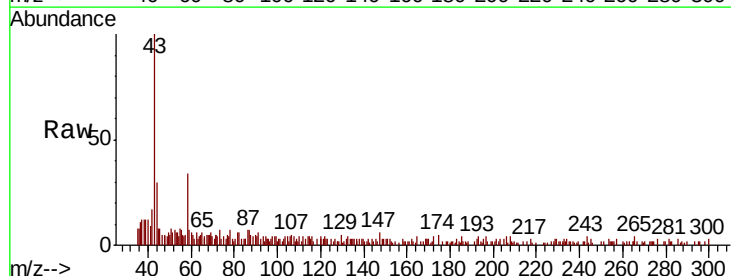
Acq: 15 Nov 2019 13:39

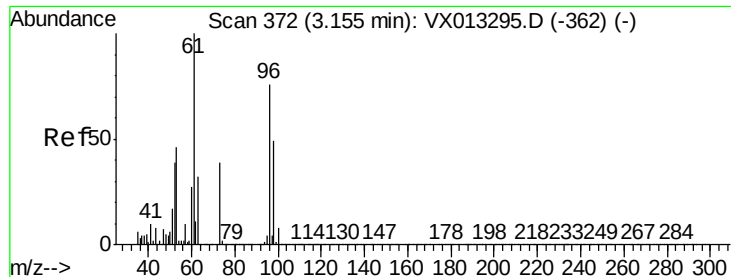
Tgt Ion: 43 Resp: 7941

Ion Ratio Lower Upper

43 100

58 29.4 24.3 36.5





#21

trans-1,2-Dichloroethene

Concen: 3.933 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

S36-0164

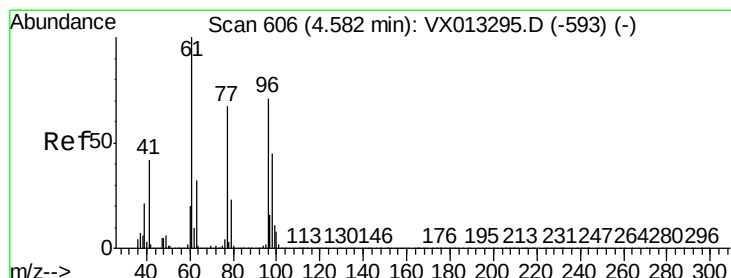
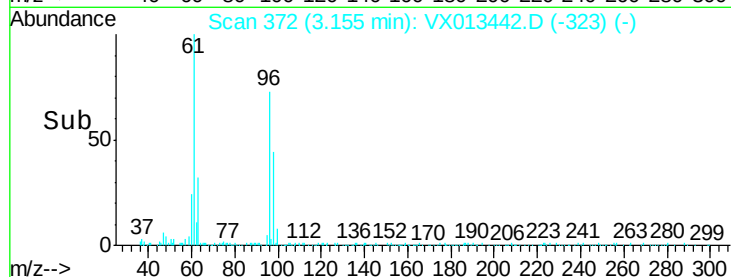
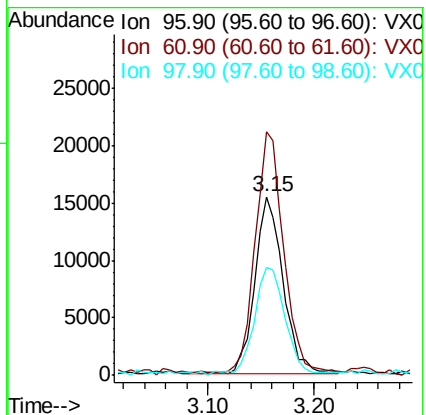
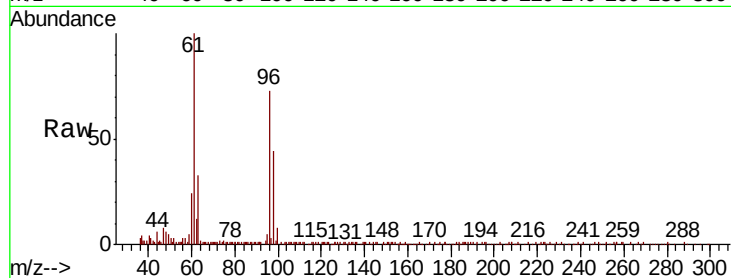
Tot Ion: 96 Resp: 28812

Ion Ratio Lower Upper

96 100

61 136.1 105.8 158.6

98 59.8 51.8 77.6



#27

cis-1,2-Dichloroethene

Concen: 40.768 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

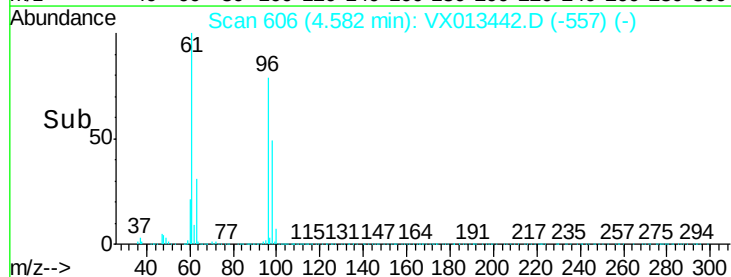
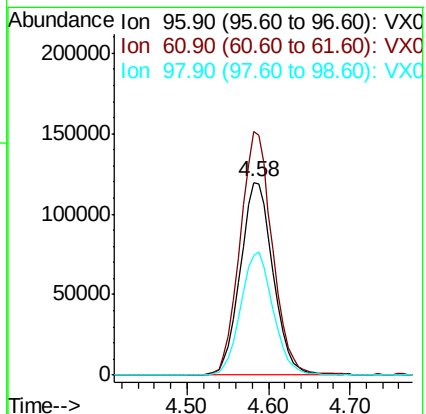
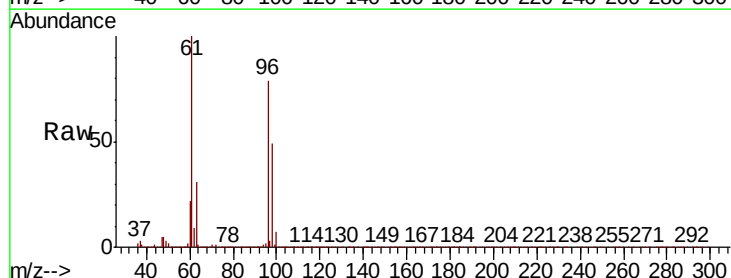
Tgt Ion: 96 Resp: 334534

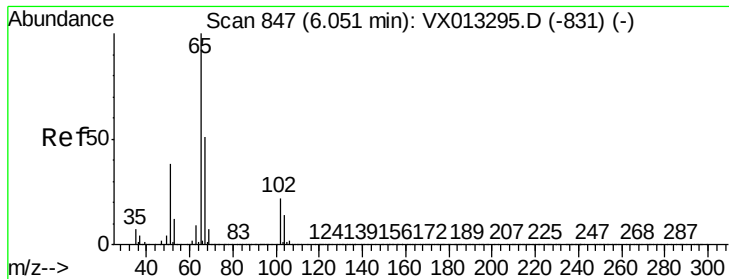
Ion Ratio Lower Upper

96 100

61 124.8 0.0 288.0

98 62.9 0.0 129.6

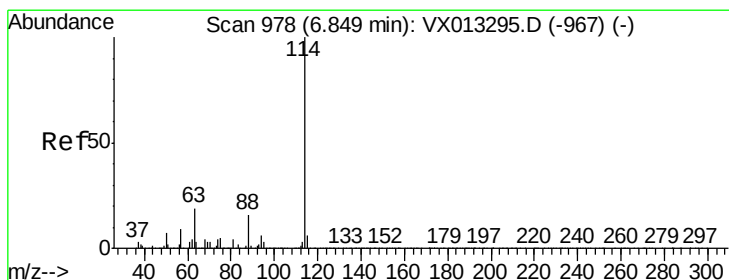
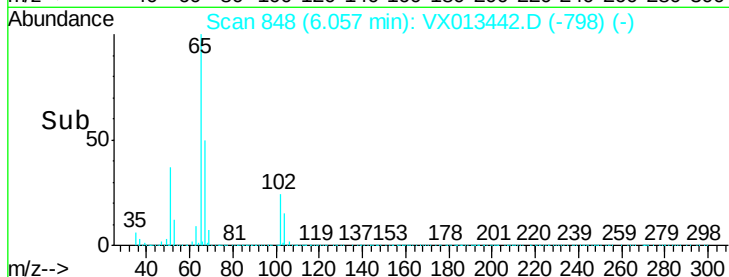
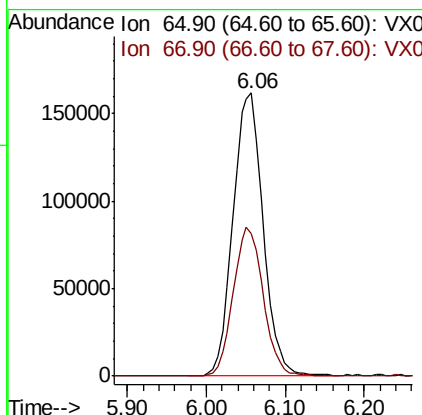
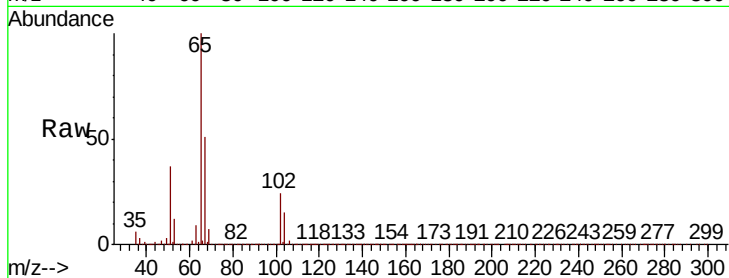




#33
 1,2-Dichloroethane-d4
 Concen: 49.325 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VX013442.D
 Acq: 15 Nov 2019 13:39

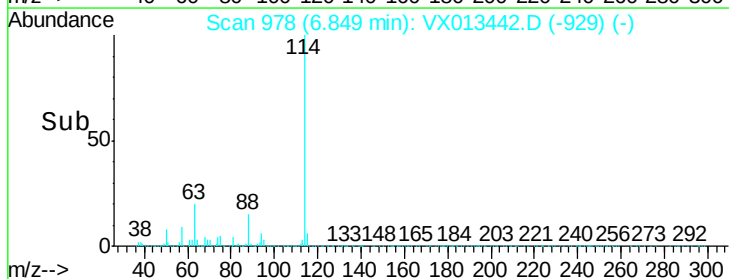
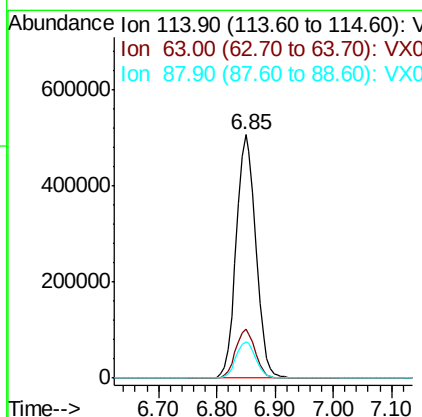
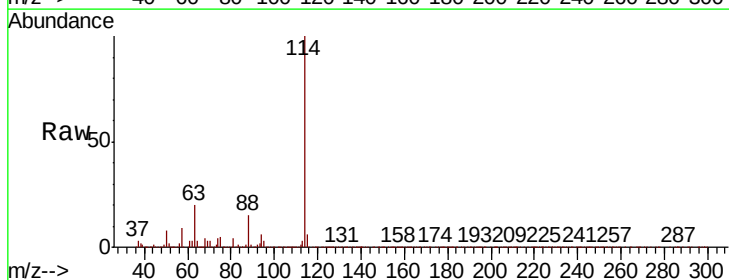
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0164

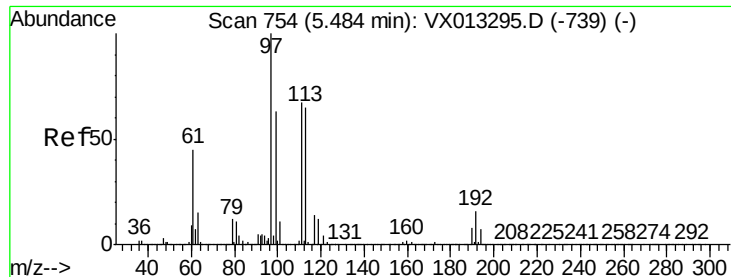
Tot Ion: 65 Resp: 428592
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013442.D
 Acq: 15 Nov 2019 13:39

Tgt Ion: 114 Resp: 1186027
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.4
 88 15.1 0.0 32.2

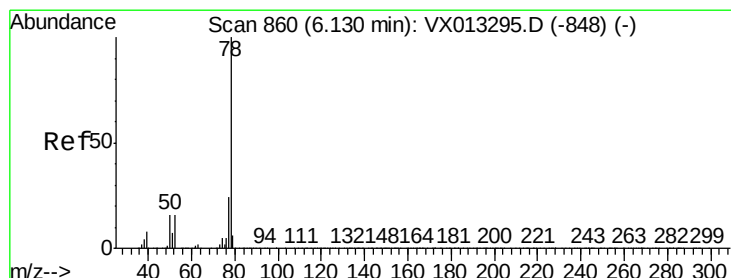
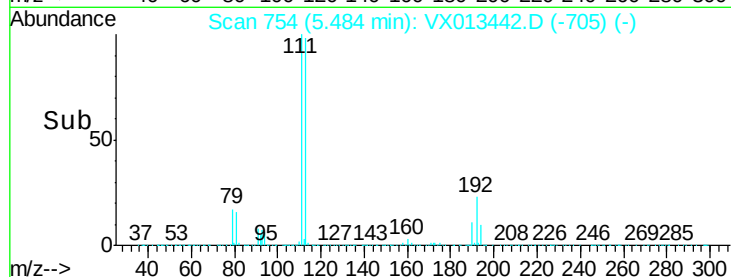
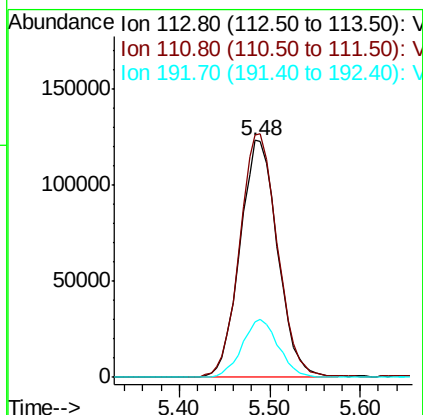
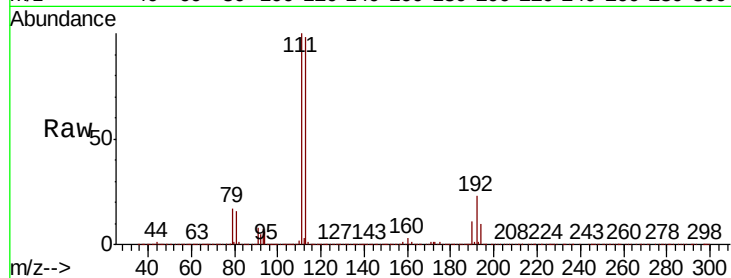




#35
Dibromofluoromethane
Concen: 47.570 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.00 min
Lab File: VX013442.D
Acq: 15 Nov 2019 13:39

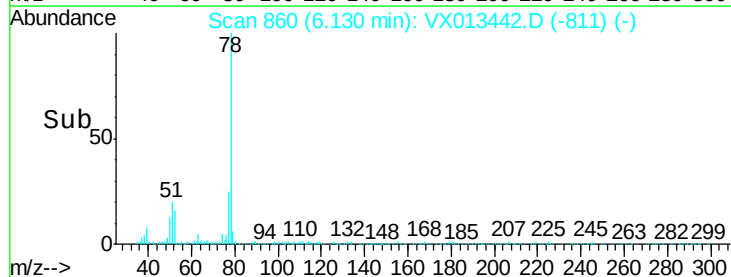
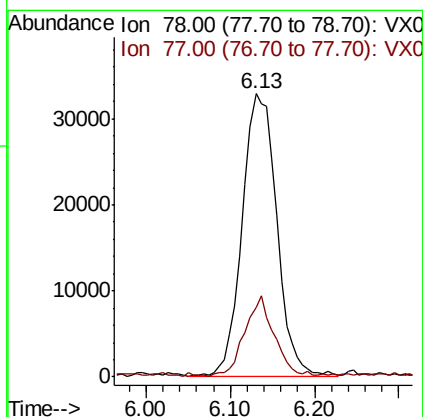
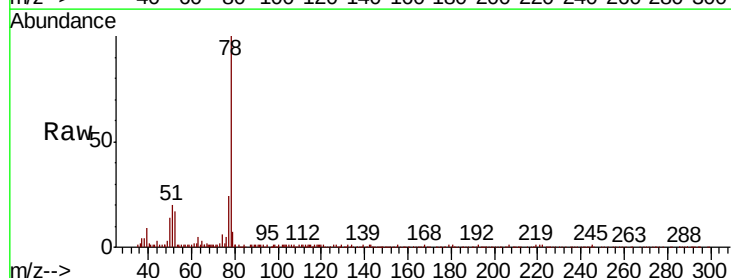
Instrument :
MSVOA_X
ClientSampleId :
S36-0164

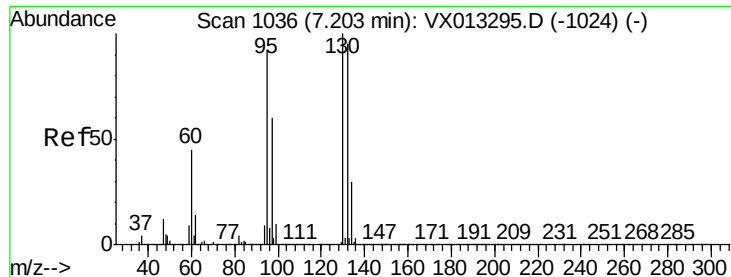
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.9	122.9
192	23.6	19.1	28.7



#40
Benzene
Concen: 2.863 ug/l
RT: 6.13 min Scan# 860
Delta R.T. -0.00 min
Lab File: VX013442.D
Acq: 15 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





#44

Trichloroethene

Concen: 0.426 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

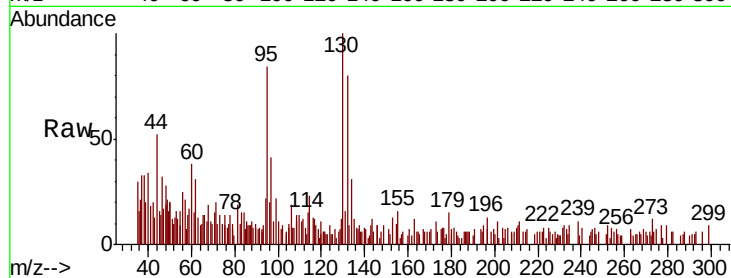
S36-0164

Tot Ion:130 Resp: 3719

Ion Ratio Lower Upper

130 100

95 78.5 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1500

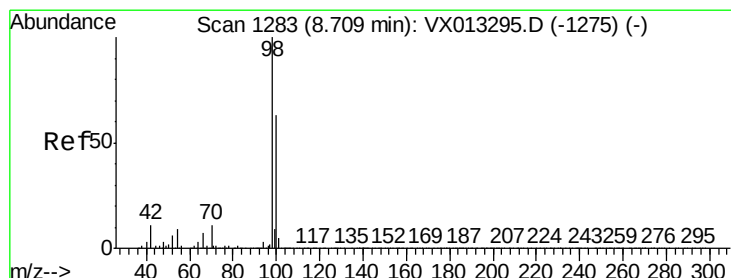
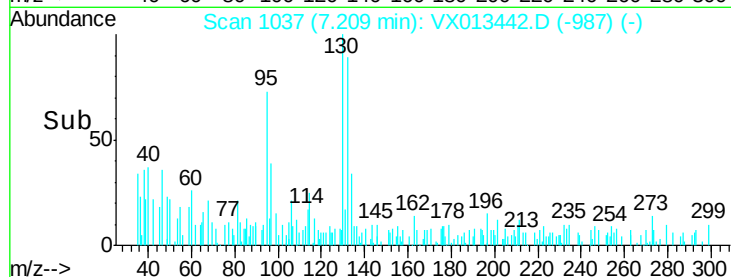
1000

500

0

7.15 7.20 7.25

Time-->



#50

Toluene-d8

Concen: 49.666 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013442.D

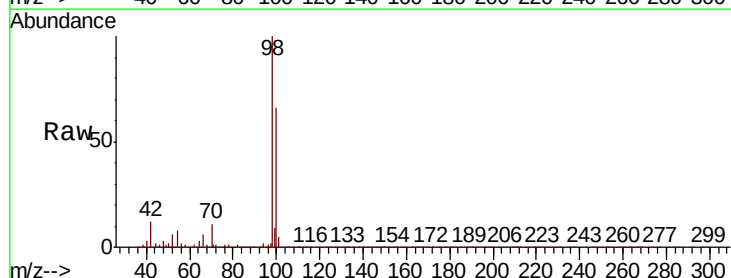
Acq: 15 Nov 2019 13:39

Tgt Ion: 98 Resp: 1392827

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

1000000

800000

600000

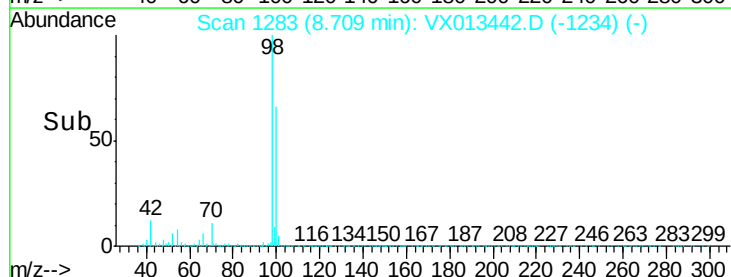
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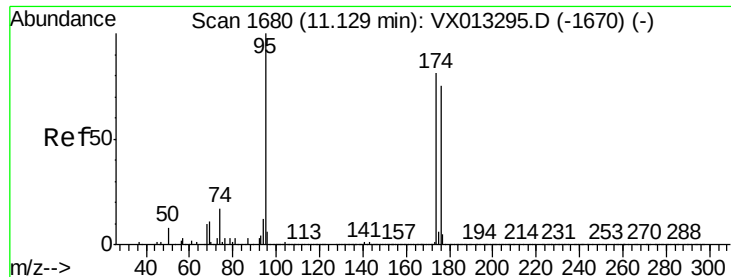
200000

0

8.60 8.70 8.80 8.90

Time-->





#62

4-Bromofluorobenzene

Concen: 46.085 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampleId :

S36-0164

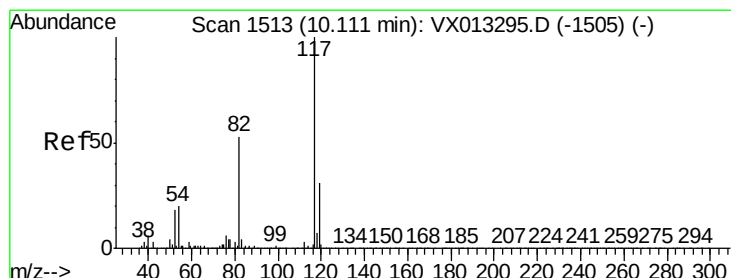
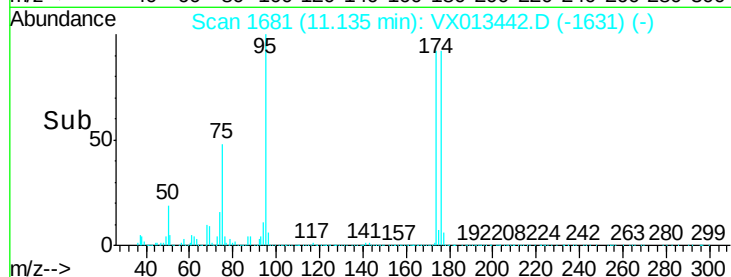
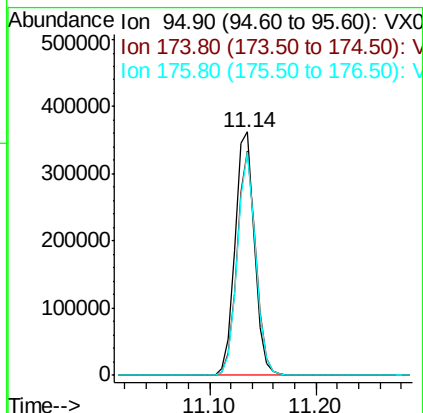
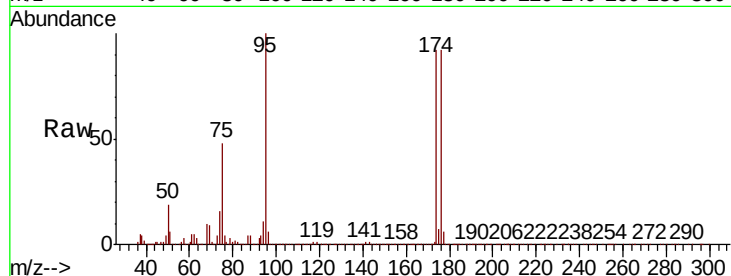
Tot Ion: 95 Resp: 466434

Ion Ratio Lower Upper

95 100

174 88.3 0.0 179.8

176 86.6 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: VX013442.D

Acq: 15 Nov 2019 13:39

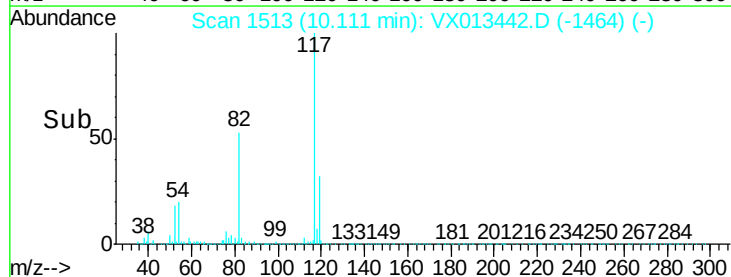
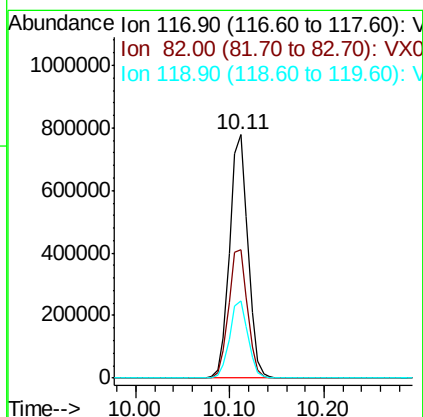
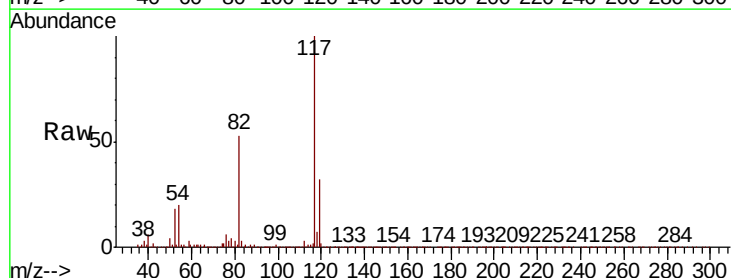
Tgt Ion: 117 Resp: 1046763

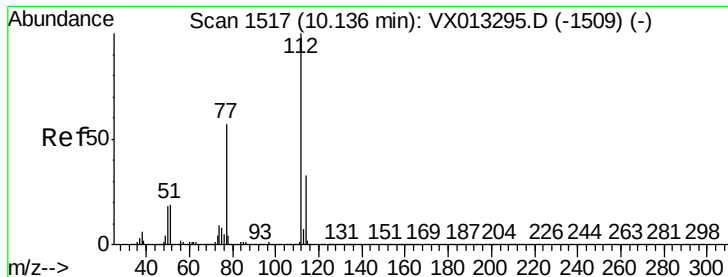
Ion Ratio Lower Upper

117 100

82 52.6 42.6 64.0

119 31.6 24.8 37.2





#65

Chlorobenzene

Concen: 51.265 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VX013442.D

Acq: 15 Nov 2019 13:39

Instrument :

MSVOA_X

ClientSampled :

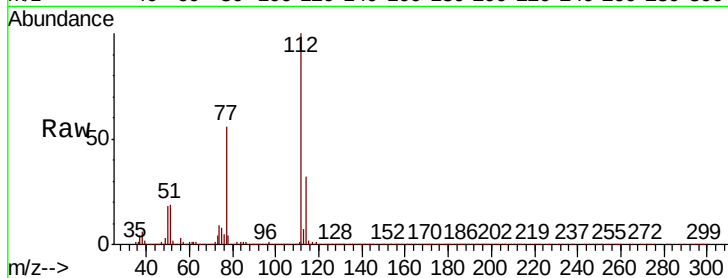
S36-0164

Tot Ion:112 Resp: 1086429

Ion Ratio Lower Upper

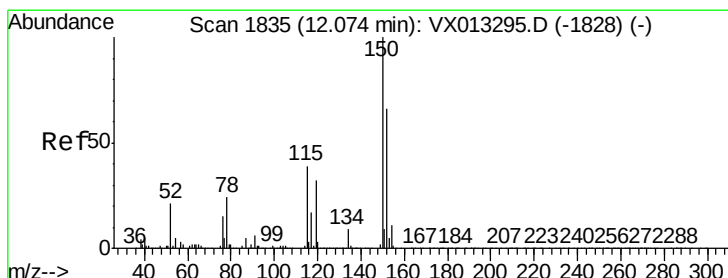
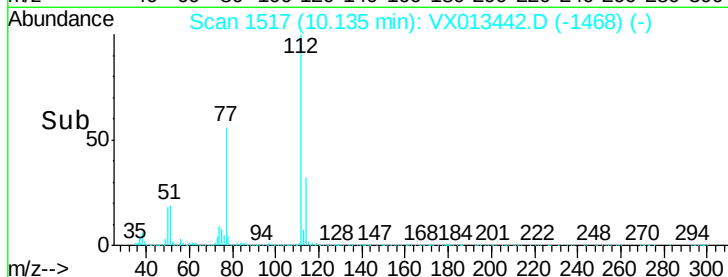
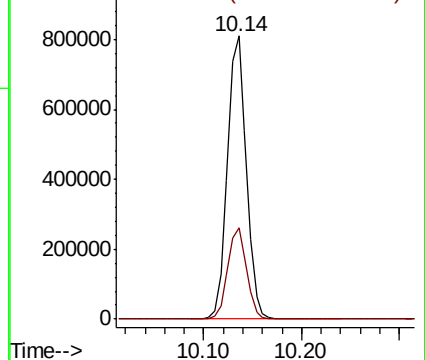
112 100

114 32.4 26.4 39.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VX013442.D

Acq: 15 Nov 2019 13:39

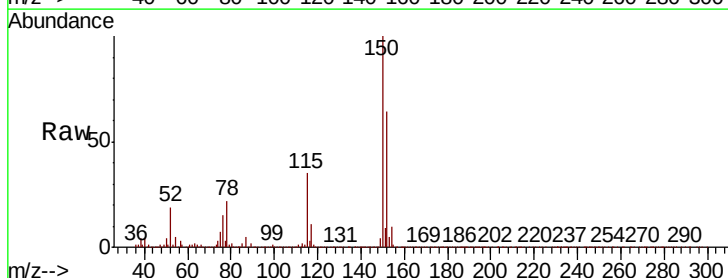
Tgt Ion:152 Resp: 469143

Ion Ratio Lower Upper

152 100

115 55.2 39.5 118.3

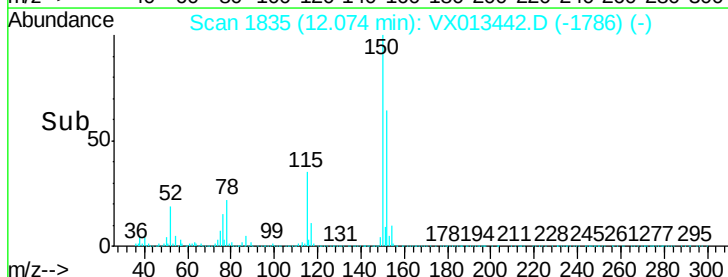
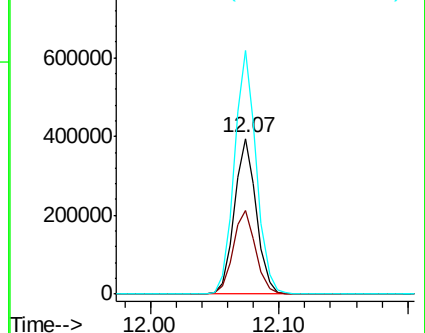
150 156.6 0.0 344.4

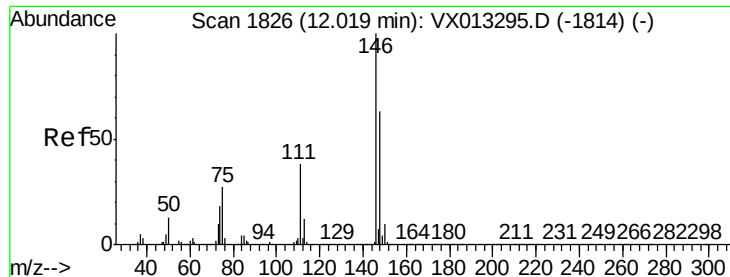


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

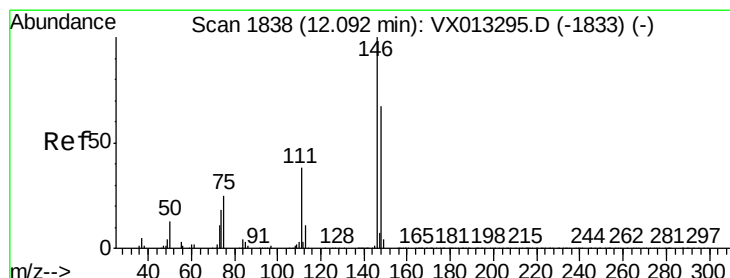
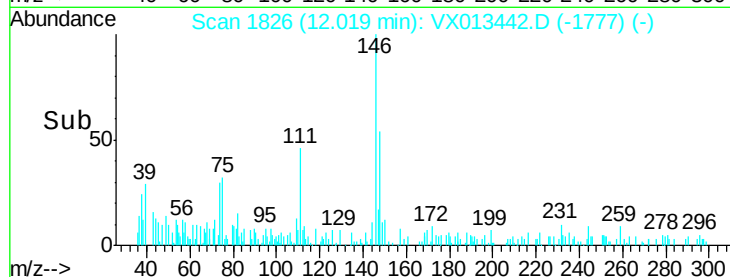
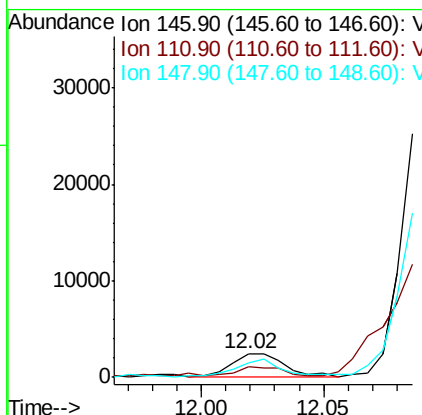
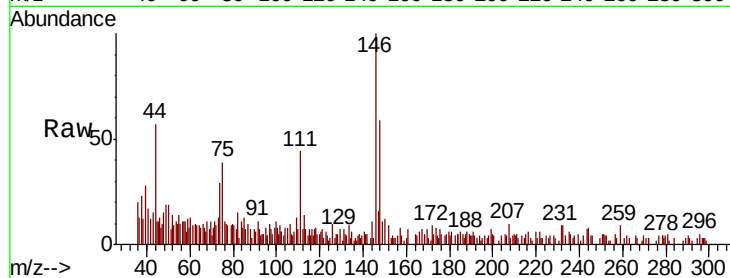




#87
 1,3-Dichlorobenzene
 Concen: 0.261 ug/l
 RT: 12.02 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VX013442.D
 Acq: 15 Nov 2019 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0164

Tot Ion	Ratio	Lower	Upper
146	100		
111	26.1	18.9	56.5
148	56.8	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 2.891 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013442.D
 Acq: 15 Nov 2019 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.8	18.8	56.4
148	67.8	32.4	97.0

