

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112619\
 Data File : VX013632.D
 Acq On : 27 Nov 2019 05:02
 Operator : JC/SP
 Sample : K5968-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 27 06:22:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	651019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1038491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	925022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	402751	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	380473	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
35) Dibromofluoromethane	5.48	113	315906	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	8.71	98	1239633	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	11.14	95	407450	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	

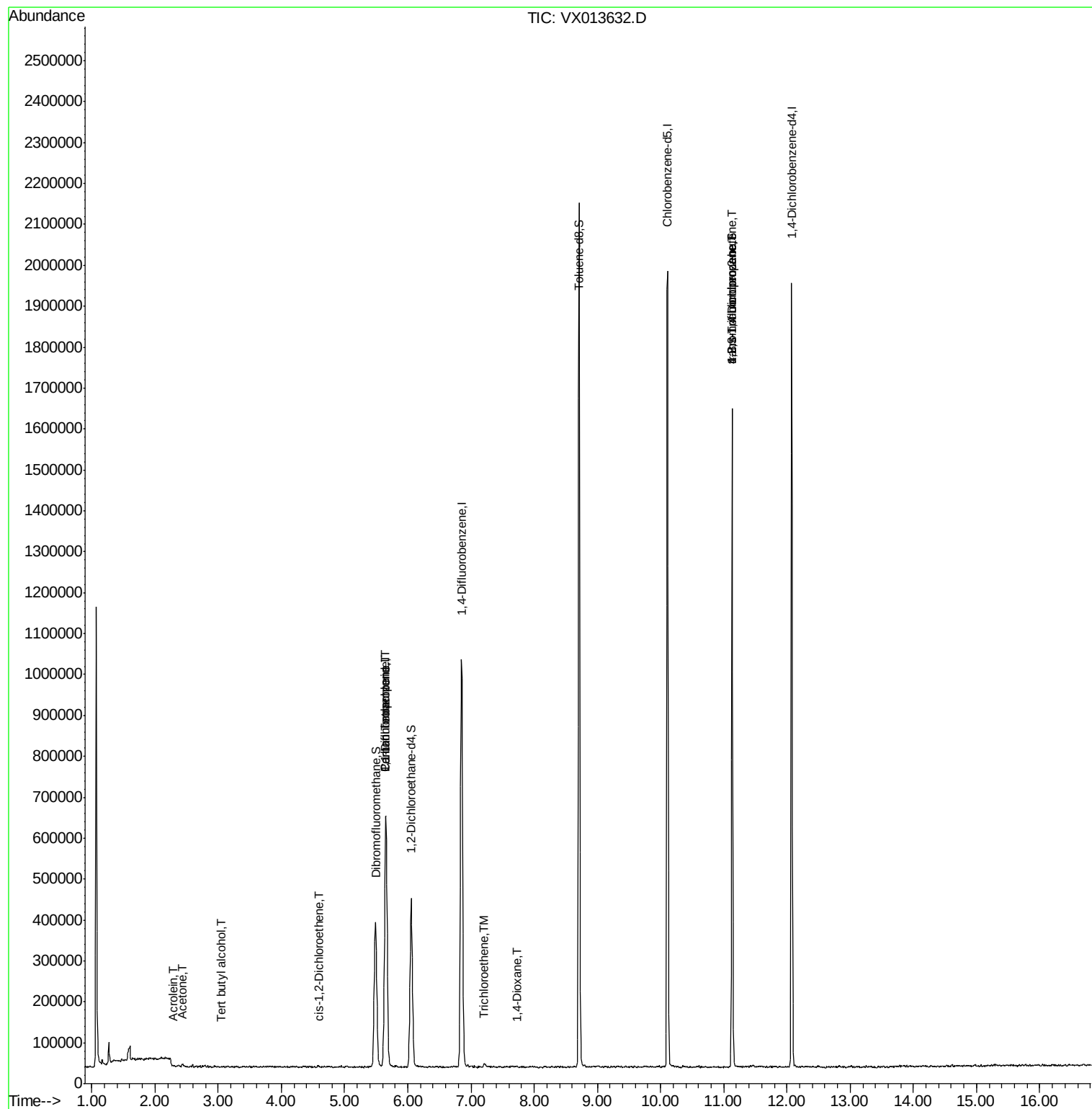
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.05	59	915	0.491	ug/l #	1
13) Acrolein	2.29	56	481	6.380	ug/l #	15
16) Acetone	2.44	43	9456	2.534	ug/l #	85
27) cis-1,2-Dichloroethene	4.59	96	1821	0.235	ug/l	47
36) 1,1-Dichloropropene	5.65	75	44393	4.709	ug/l #	54
38) Carbon Tetrachloride	5.65	117	55042	6.332	ug/l #	16
44) Trichloroethene	7.21	130	4376	0.555	ug/l	76
49) 1,4-Dioxane	7.73	88	266	1.405	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	203319	22.445	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	203319	61.405	ug/l #	11

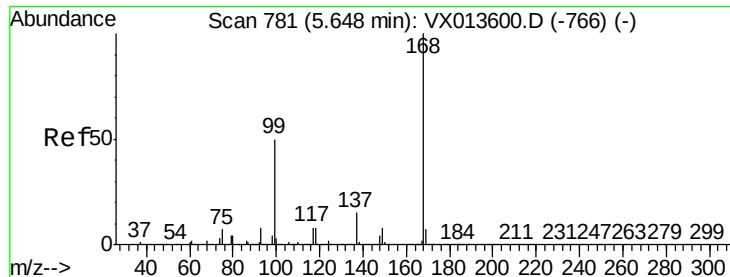
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 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: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :

MSVOA_X

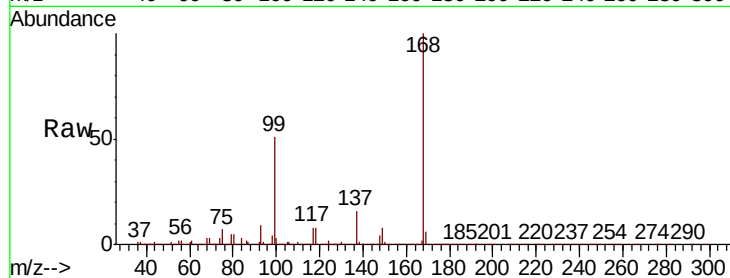
ClientSampled :

Tot Ion:168 Resp: 651019

Ion Ratio Lower Upper

168 100

99 50.6 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

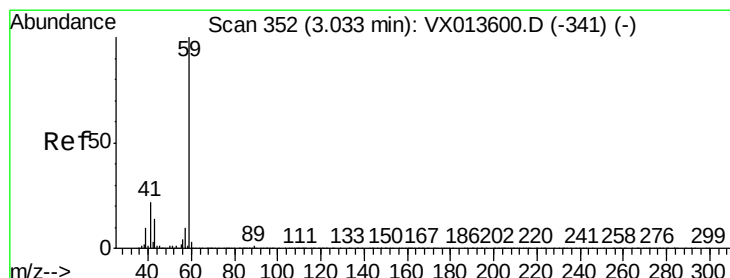
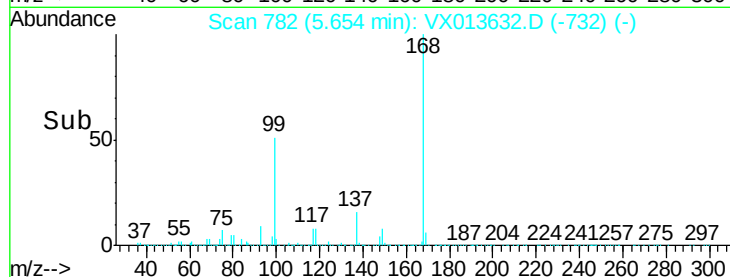
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.491 ug/l

RT: 3.05 min Scan# 355

Delta R.T. 0.02 min

Lab File: VX013632.D

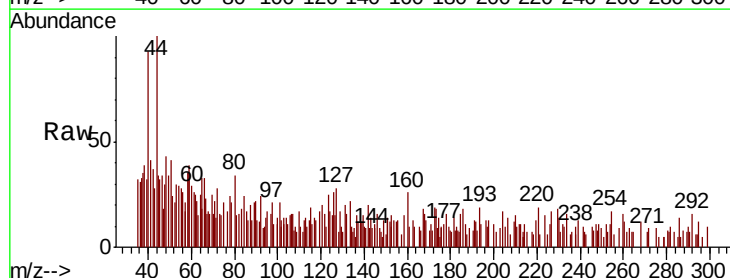
Acq: 27 Nov 2019 05:02

Tgt Ion: 59 Resp: 915

Ion Ratio Lower Upper

59 100

57 60.2 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

1000

800

600

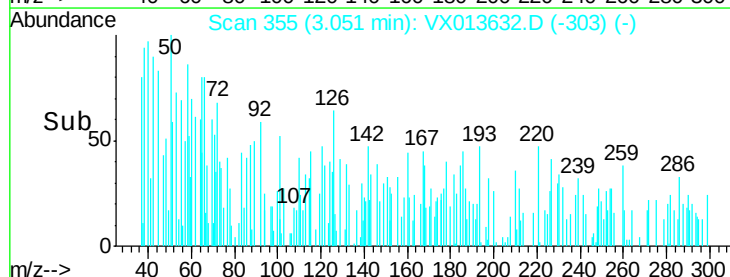
400

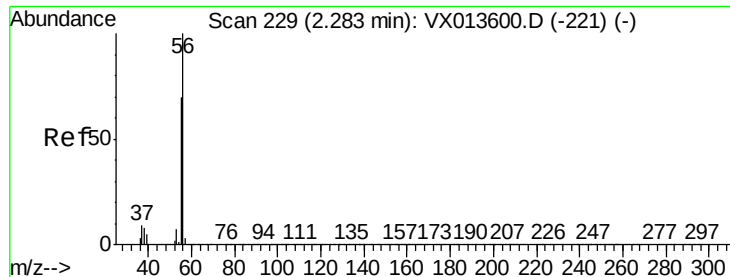
200

0

Time-->

3.05 3.10





#13

Acrolein

Concen: 6.380 ug/l

RT: 2.29 min Scan# 230

Delta R.T. 0.01 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

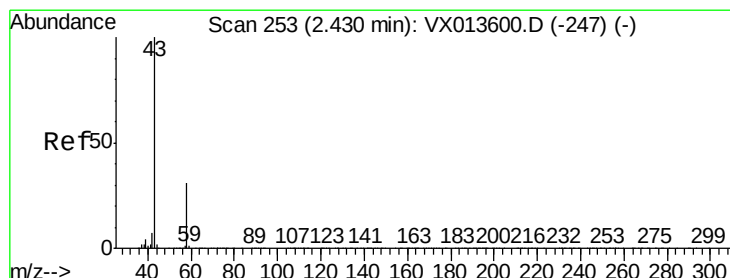
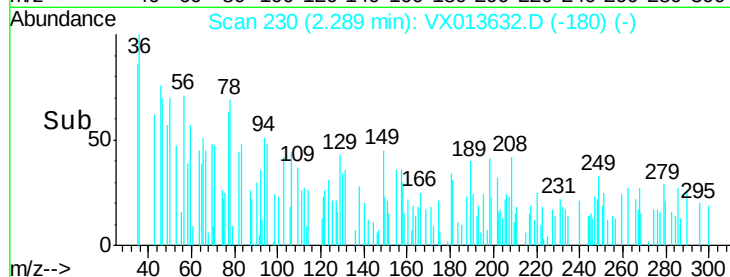
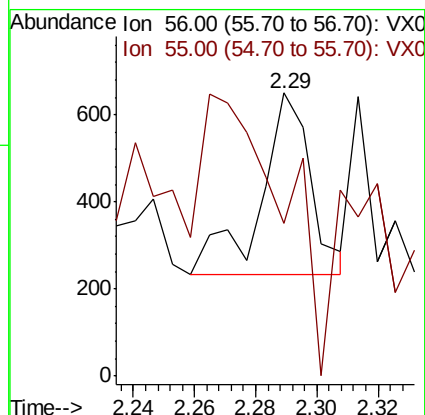
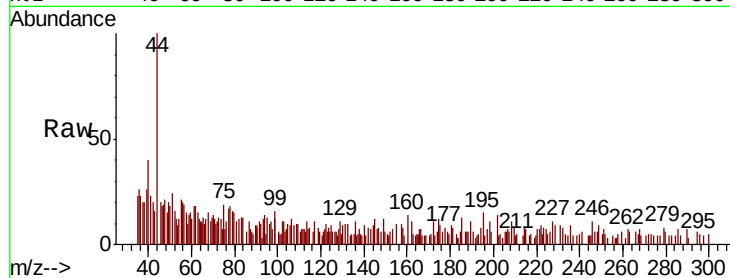
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 481

Ion Ratio Lower Upper

56 100

55 0.0 56.2 84.4#



#16

Acetone

Concen: 2.534 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.01 min

Lab File: VX013632.D

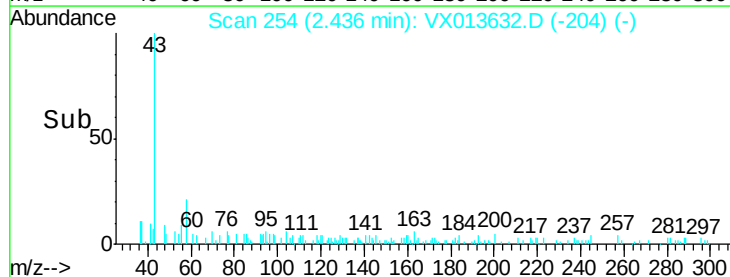
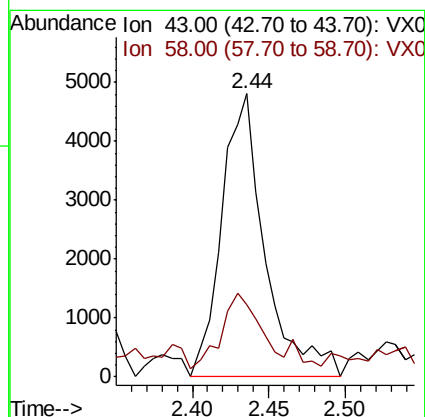
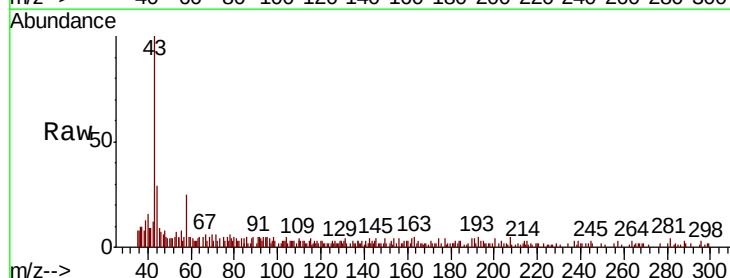
Acq: 27 Nov 2019 05:02

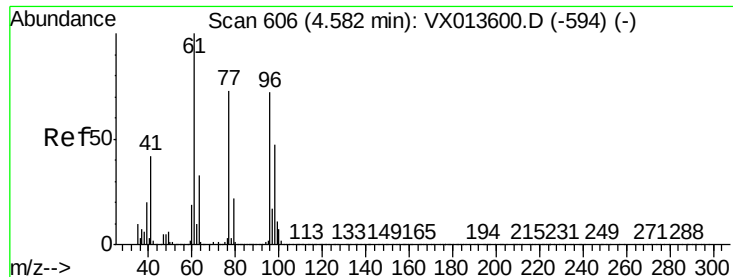
Tgt Ion: 43 Resp: 9456

Ion Ratio Lower Upper

43 100

58 22.5 24.6 36.8#



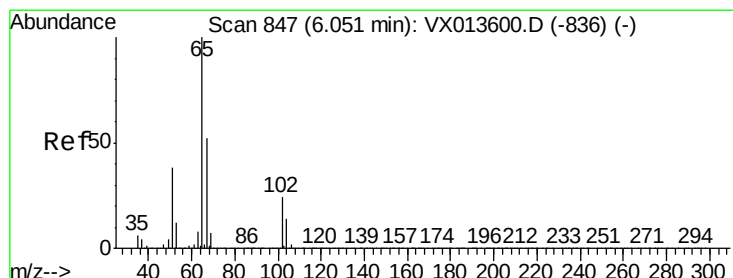
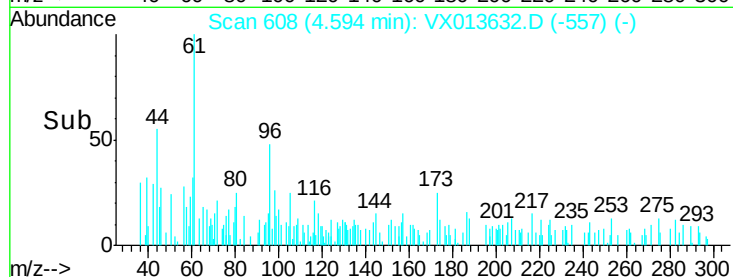
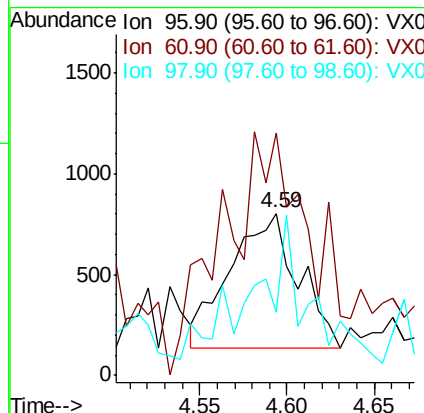
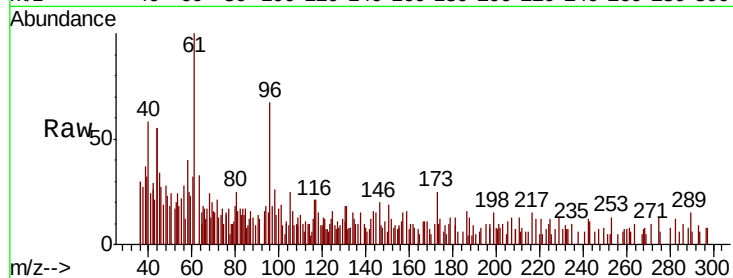


#27

cis-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013632.D
Acq: 27 Nov 2019 05:02

Instrument :
MSVOA_X
ClientSampleId :

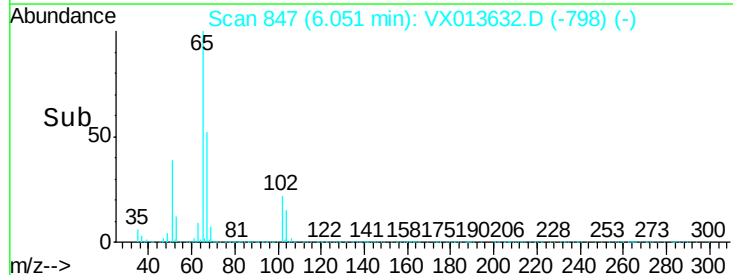
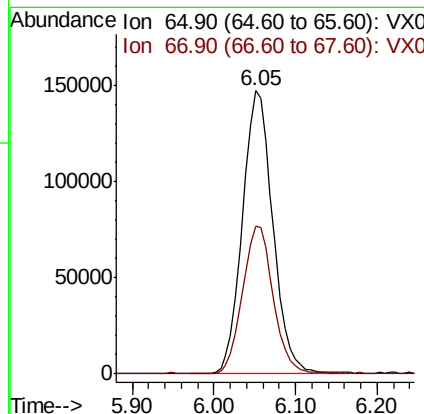
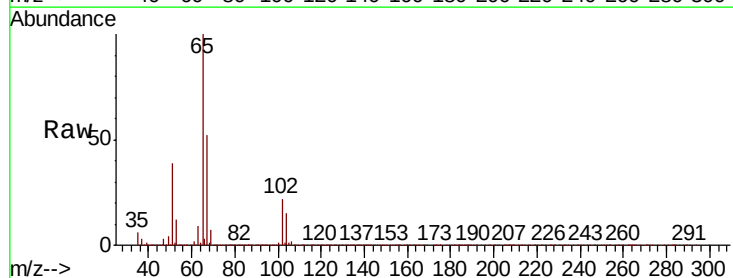
Tot Ion	Ratio	Lower	Upper
96	100		
61	232.9	0.0	286.4
98	69.7	0.0	127.4

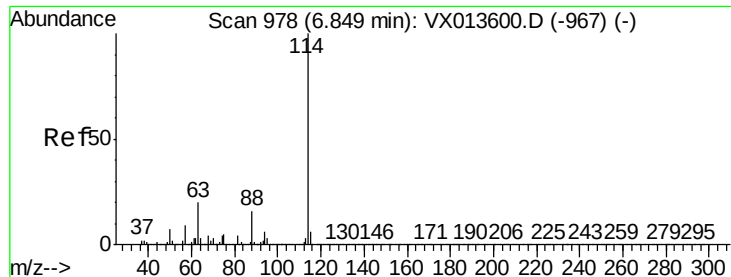


#33

1,2-Dichloroethane-d4
Concen: 50.348 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013632.D
Acq: 27 Nov 2019 05:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.4

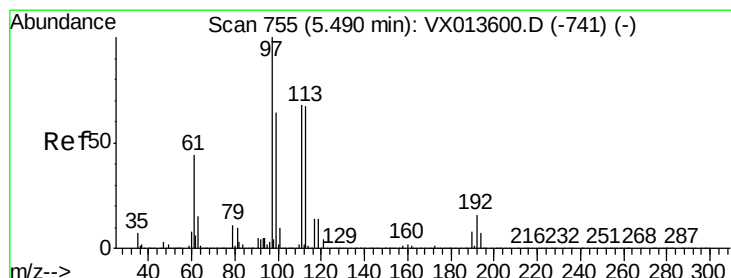
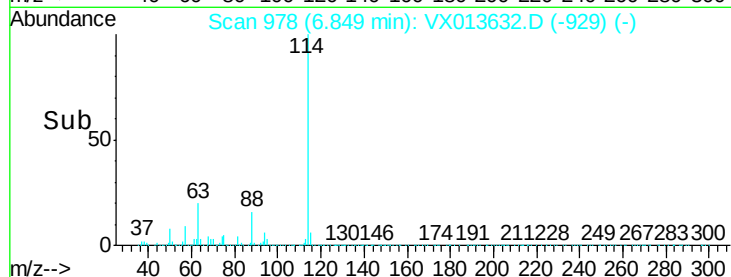
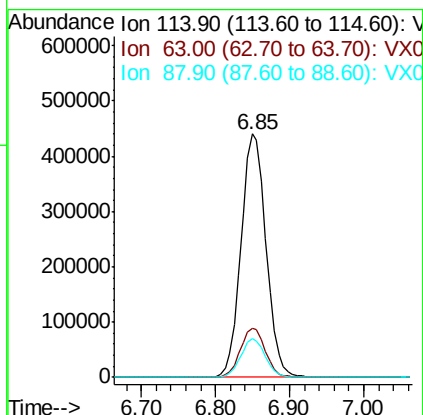
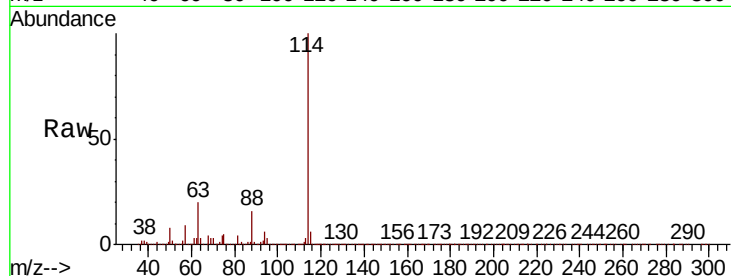




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. -0.00 min
Lab File: VX013632.D
Acq: 27 Nov 2019 05:02

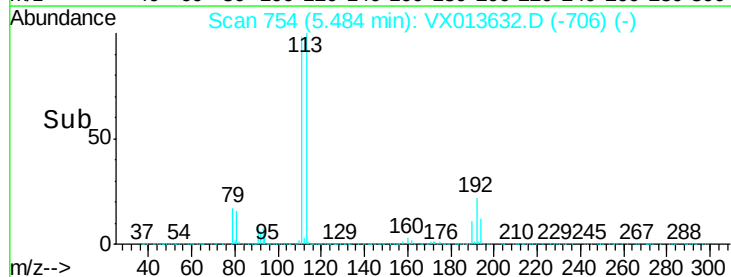
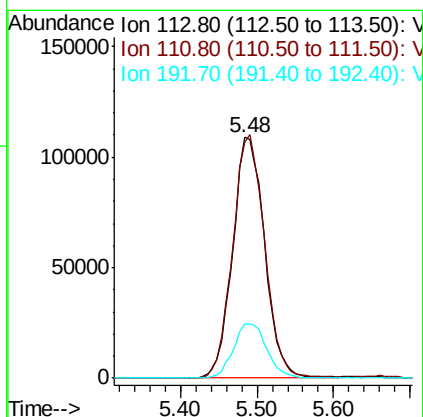
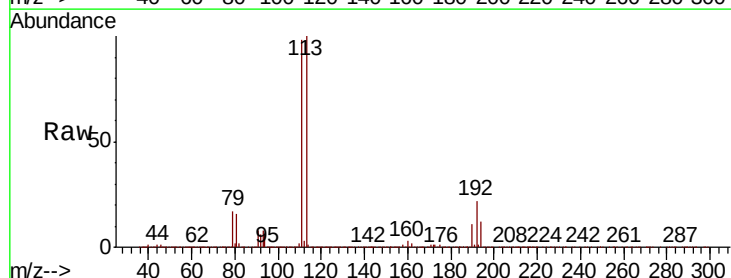
Instrument :
MSVOA_X
ClientSampled :

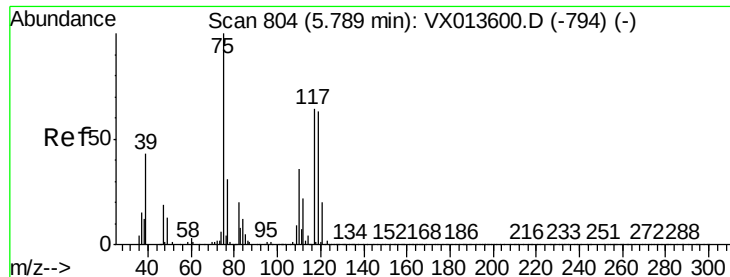
Tot Ion:114 Resp: 1038491
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.6
88 15.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 49.206 ug/l
RT: 5.48 min Scan# 754
Delta R.T. -0.01 min
Lab File: VX013632.D
Acq: 27 Nov 2019 05:02

Tgt Ion:113 Resp: 315906
Ion Ratio Lower Upper
113 100
111 100.8 83.6 125.4
192 23.4 19.2 28.8





#36

1,1-Dichloropropene

Concen: 4.709 ug/l

RT: 5.65 min Scan# 781

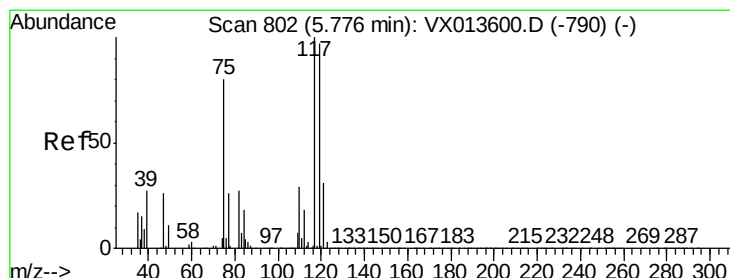
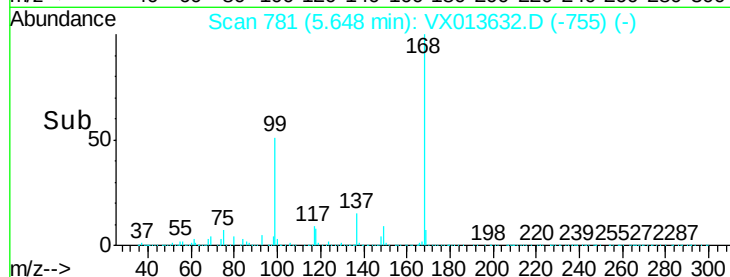
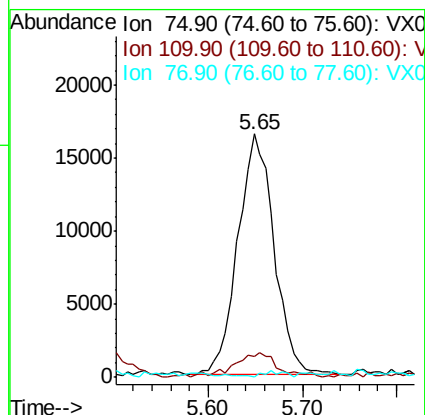
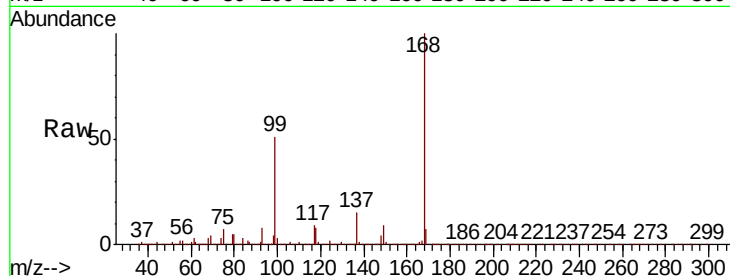
Delta R.T. -0.14 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	75	Resp:	44393
Ion	Ratio	Lower	Upper
75	100		
110	12.4	18.1	54.1#
77	1.5	24.5	36.7#



#38

Carbon Tetrachloride

Concen: 6.332 ug/l

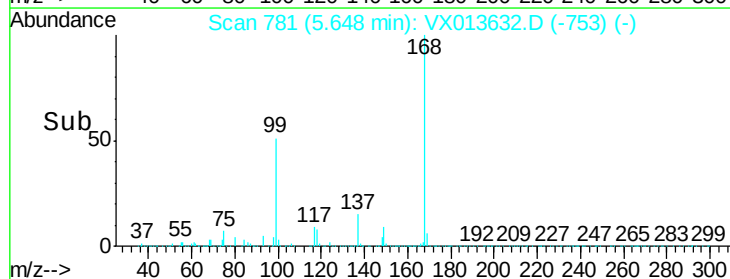
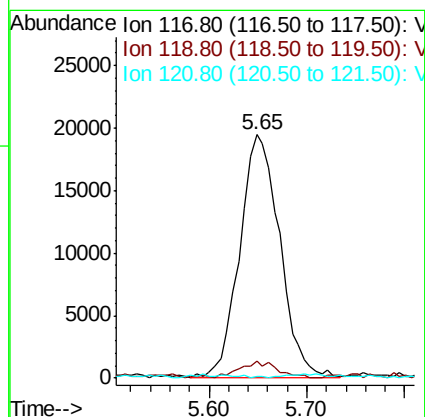
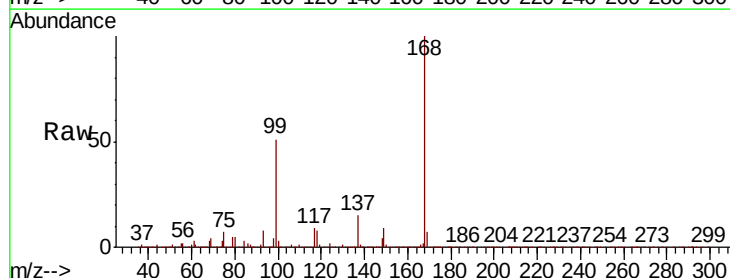
RT: 5.65 min Scan# 781

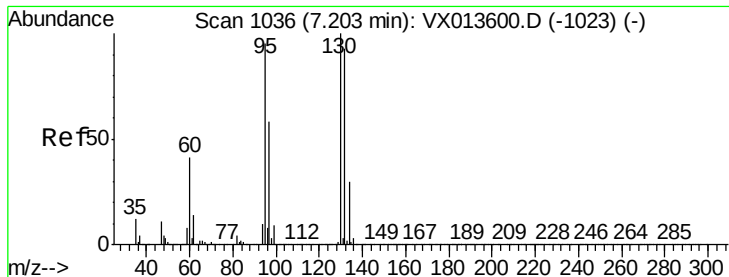
Delta R.T. -0.13 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Tgt Ion:	117	Resp:	55042
Ion	Ratio	Lower	Upper
117	100		
119	6.3	77.5	116.3#
121	0.0	25.0	37.6#





#44

Trichloroethene

Concen: 0.555 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :

MSVOA_X

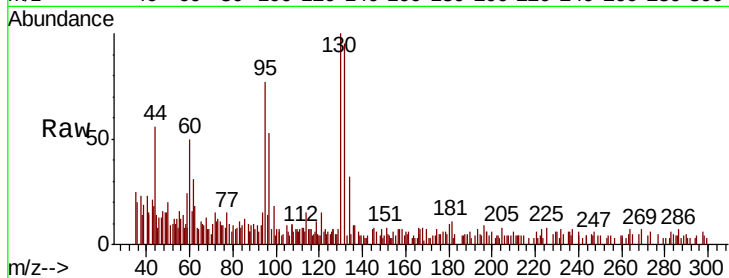
ClientSampled :

Tot Ion:130 Resp: 4376

Ion Ratio Lower Upper

130 100

95 71.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

2500

2000

1500

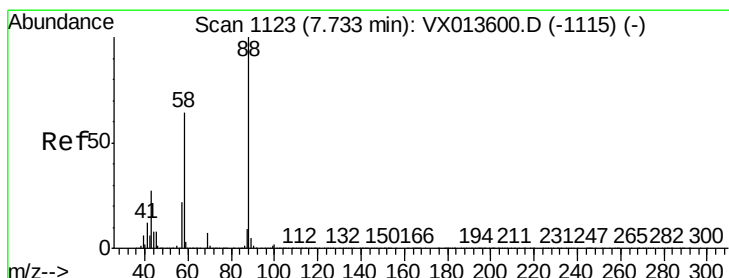
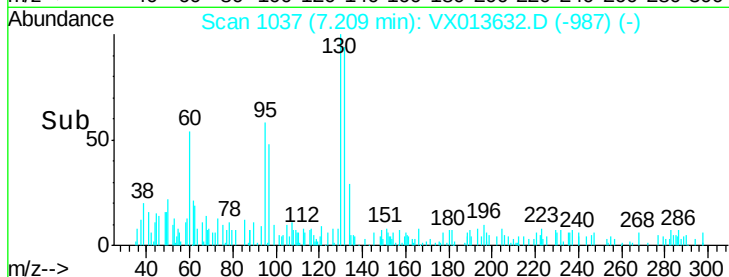
1000

500

0

Time-->

7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 1.405 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

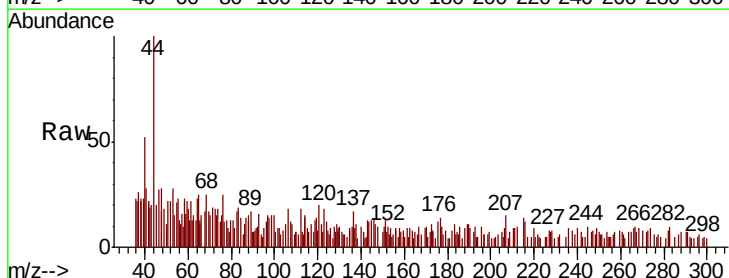
Tgt Ion: 88 Resp: 266

Ion Ratio Lower Upper

88 100

43 112.0 25.8 38.6#

58 219.9 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

600

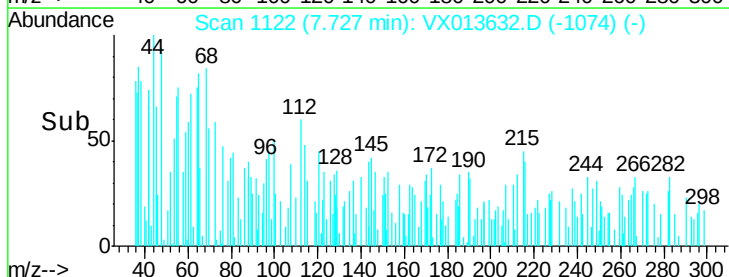
400

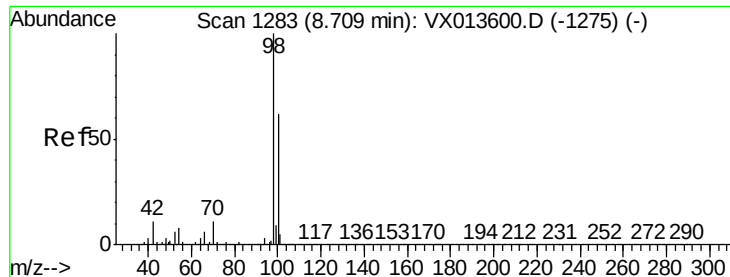
200

0

Time-->

7.71 7.72 7.73





#50

Toluene-d8

Concen: 49.559 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :

MSVOA_X

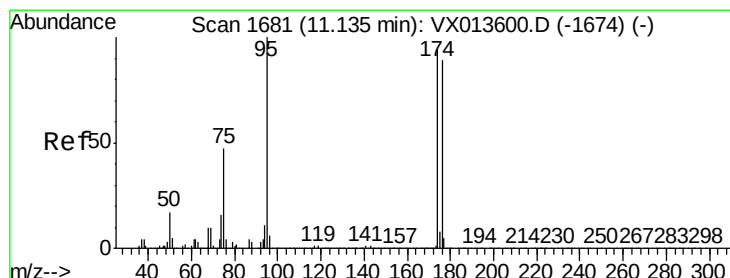
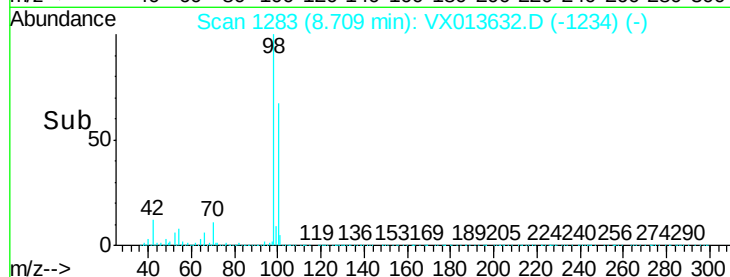
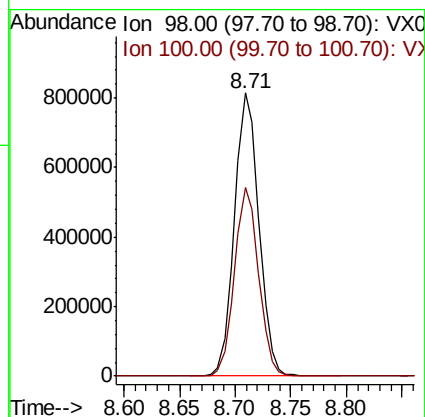
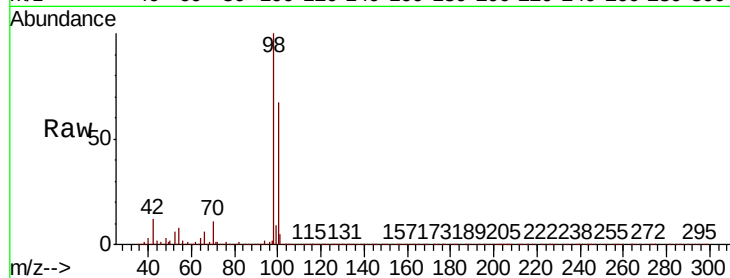
ClientSampleId :

Tot Ion: 98 Resp: 1239633

Ion Ratio Lower Upper

98 100

100 65.7 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.172 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

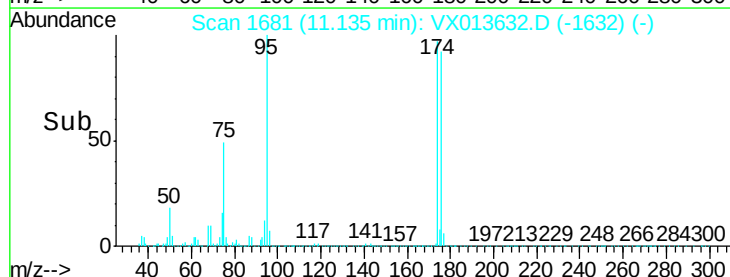
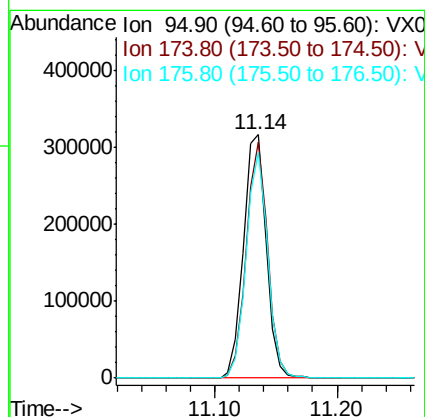
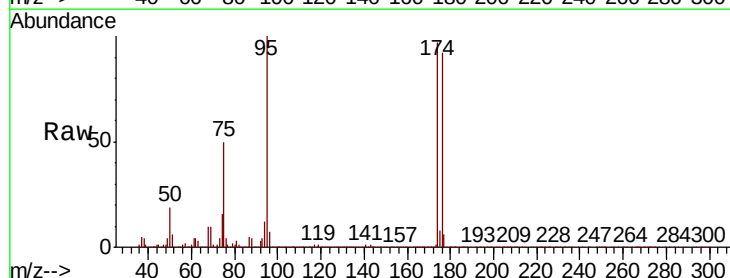
Tgt Ion: 95 Resp: 407450

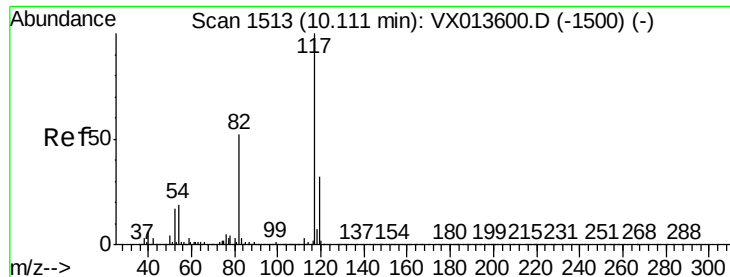
Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.0

176 88.3 0.0 173.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :

MSVOA_X

ClientSampleId :

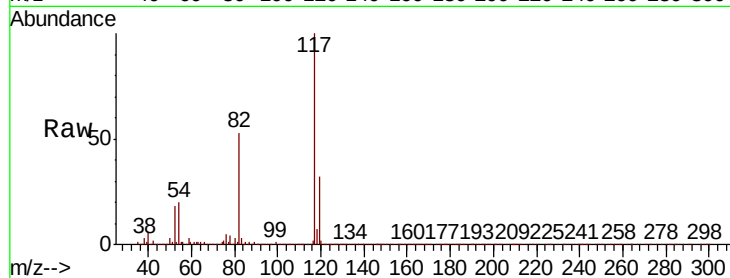
Tot Ion:117 Resp: 925022

Ion Ratio Lower Upper

117 100

82 52.5 41.8 62.8

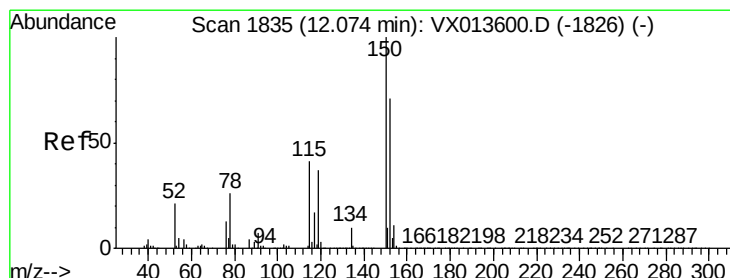
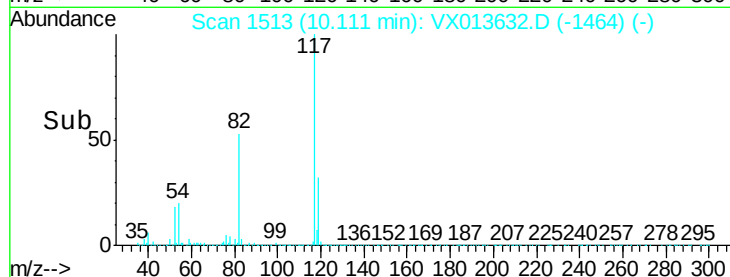
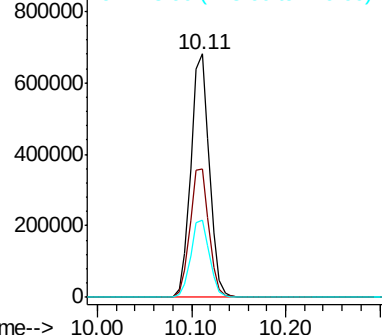
119 31.8 25.8 38.8



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: VX013632.D

Acq: 27 Nov 2019 05:02

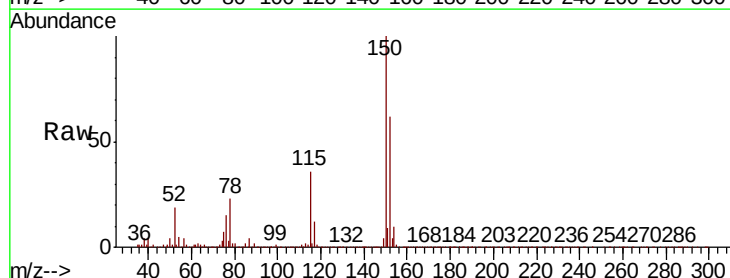
Tgt Ion:152 Resp: 402751

Ion Ratio Lower Upper

152 100

115 56.7 38.4 115.1

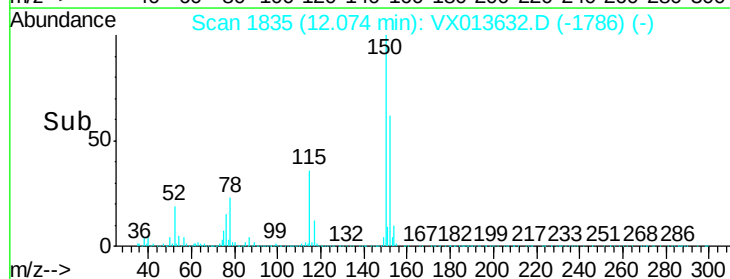
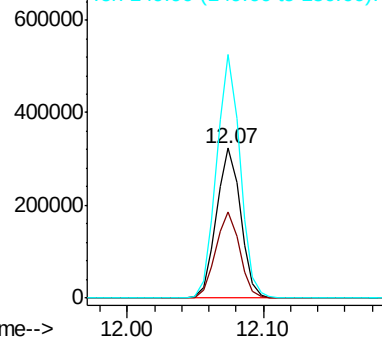
150 158.3 0.0 346.8

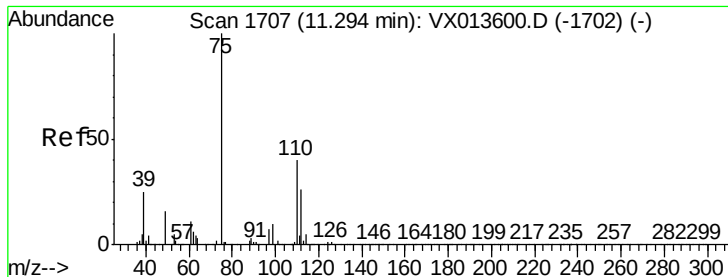


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 22.445 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Instrument :

MSVOA_X

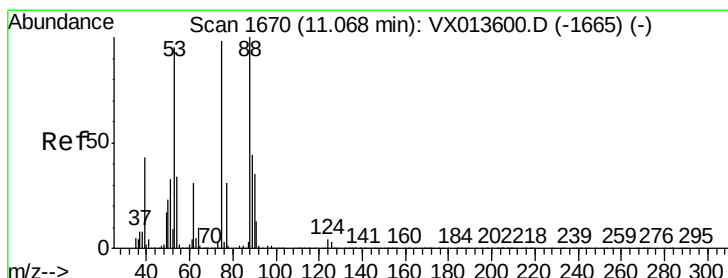
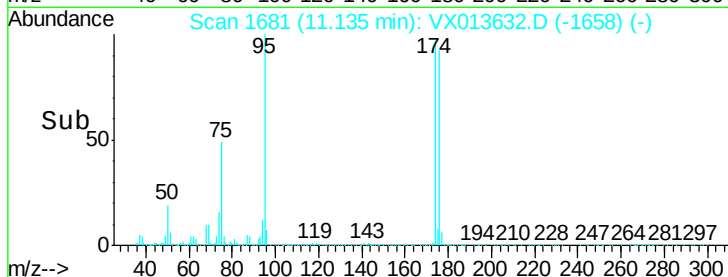
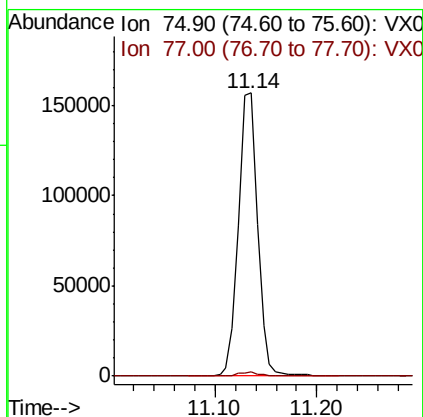
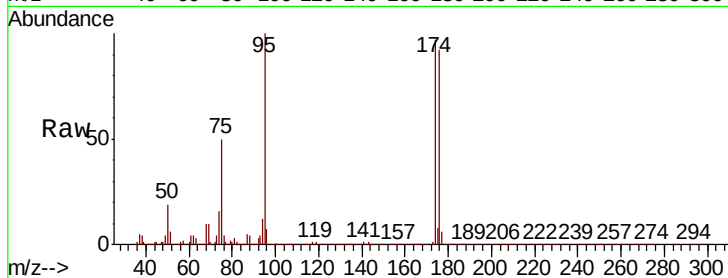
ClientSampleId :

Tot Ion: 75 Resp: 203319

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.405 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013632.D

Acq: 27 Nov 2019 05:02

Tgt Ion: 75 Resp: 203319

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.2#

89 0.0 35.4 53.2#

