

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX110119\
 Data File : VX013314.D
 Acq On : 01 Nov 2019 16:17
 Operator : JC/SP
 Sample : K5651-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW326R-191031

Quant Time: Nov 04 02:10:48 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	719554	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1106494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	989594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	481115	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	422561	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	5.49	113	327266	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	1313086	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	445978	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	

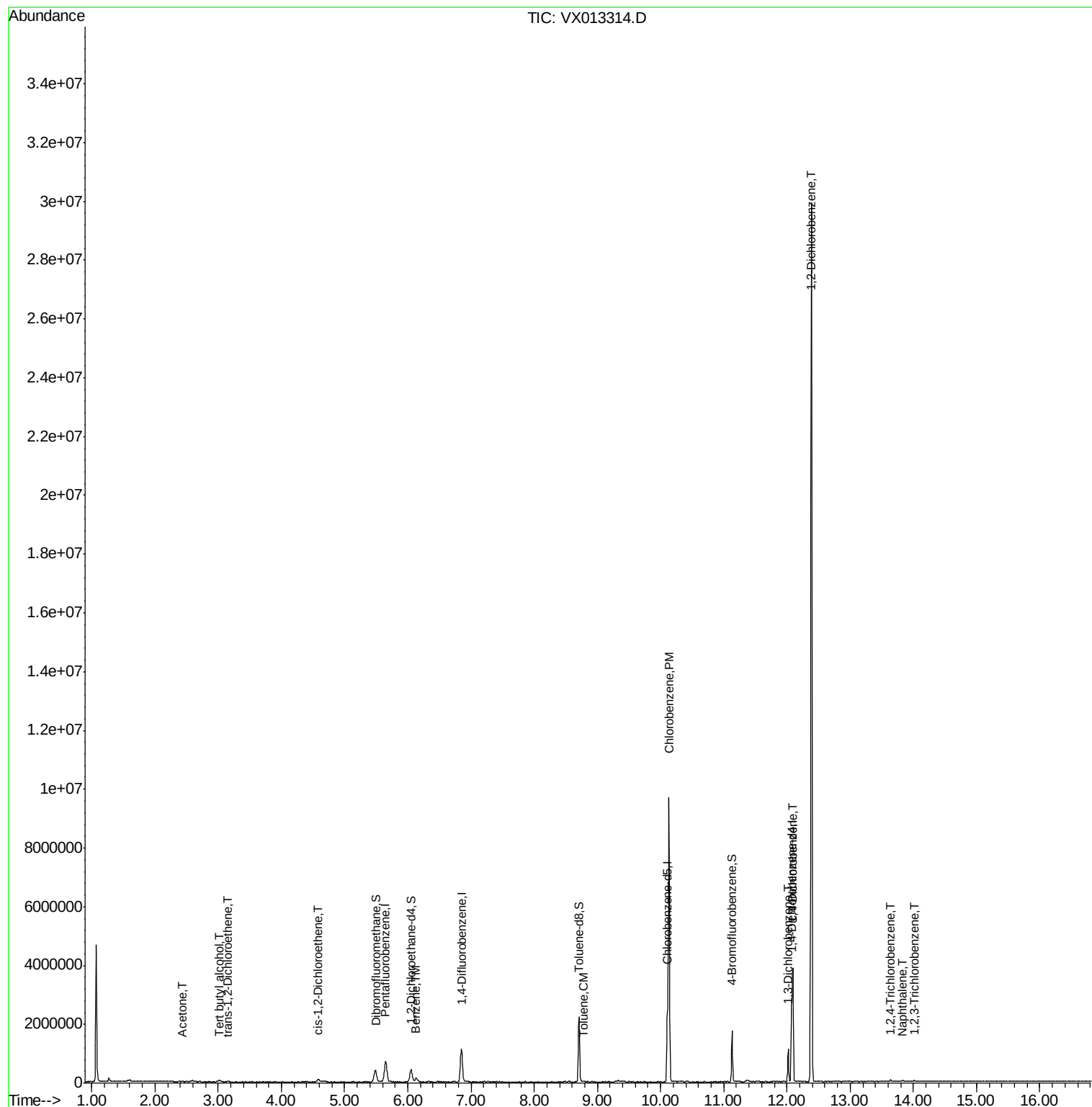
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	49963	22.237	ug/l	98
16) Acetone	2.43	43	17462	4.107	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	5122	0.713	ug/l	87
27) cis-1,2-Dichloroethene	4.59	96	57032	7.084	ug/l	87
40) Benzene	6.14	78	152763	5.166	ug/l	99
52) Toluene	8.78	92	5110	0.279	ug/l	93
65) Chlorobenzene	10.14	112	4310646	215.158	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	362044	23.885	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	1213911	78.602	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	9515967	628.034	ug/l	96
93) 1,2,4-Trichlorobenzene	13.64	180	16396	1.551	ug/l	96
95) Naphthalene	13.83	128	24549	0.740	ug/l #	91
96) 1,2,3-Trichlorobenzene	14.01	180	14475	1.366	ug/l	99

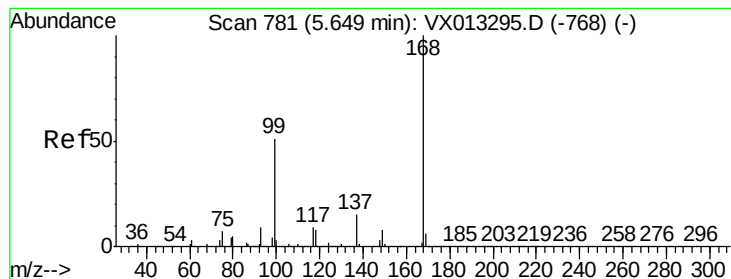
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

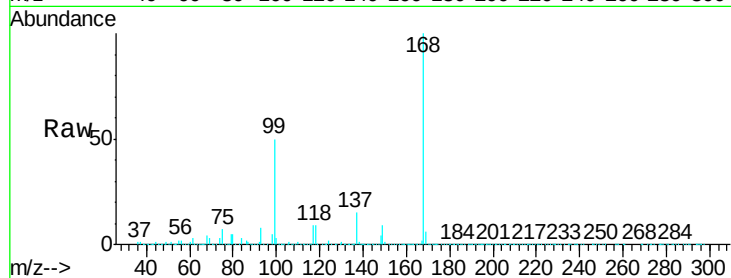
SS003MW326R-191031

Tgt Ion:168 Resp: 719554

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

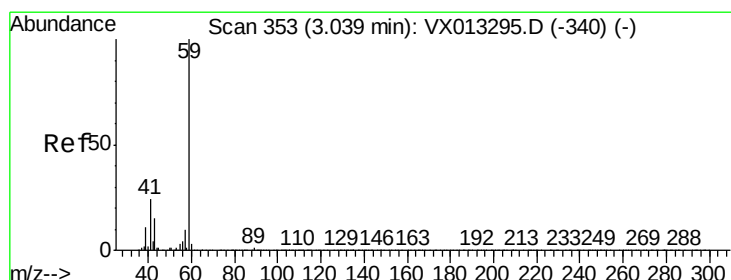
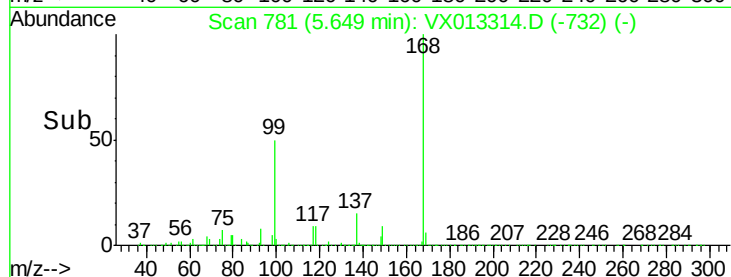
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 22.237 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013314.D

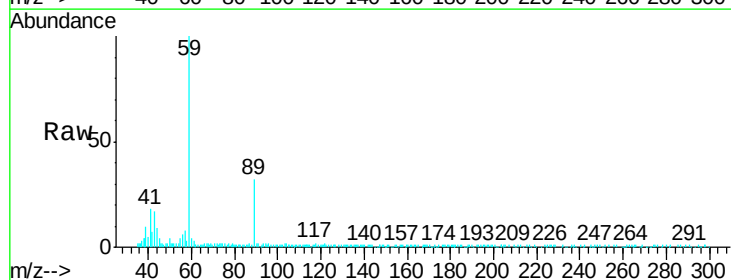
Acq: 01 Nov 2019 16:17

Tgt Ion: 59 Resp: 49963

Ion Ratio Lower Upper

59 100

57 10.9 8.0 12.0



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

20000

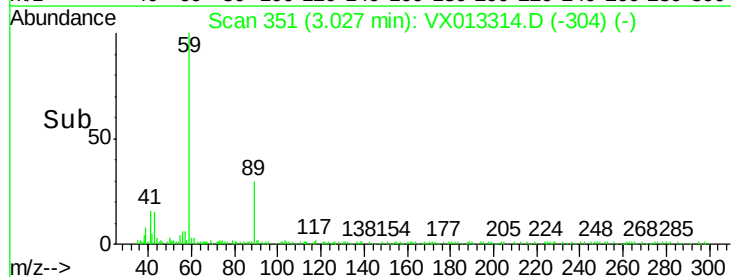
15000

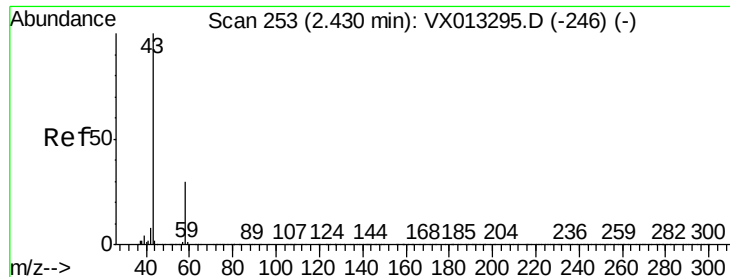
10000

5000

0

Time-->





#16

Acetone

Concen: 4.107 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

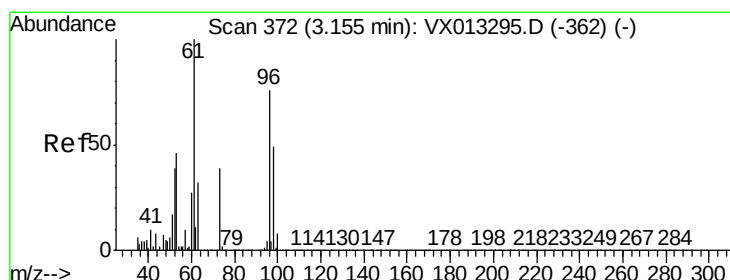
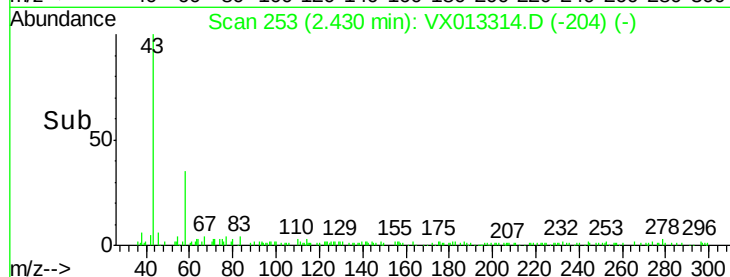
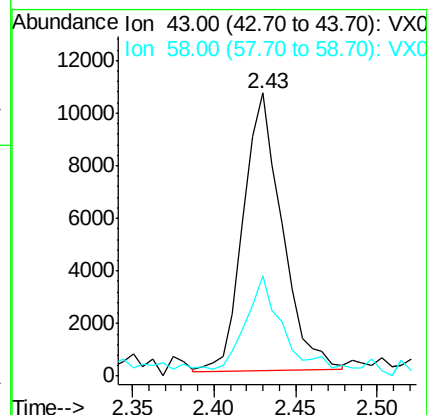
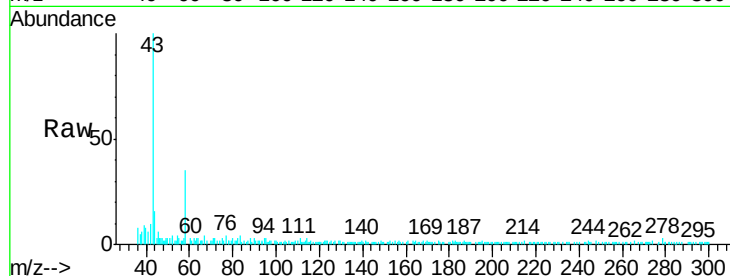
SS003MW326R-191031

Tgt Ion: 43 Resp: 17462

Ion Ratio Lower Upper

43 100

58 32.4 24.3 36.5



#21

trans-1,2-Dichloroethene

Concen: 0.713 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

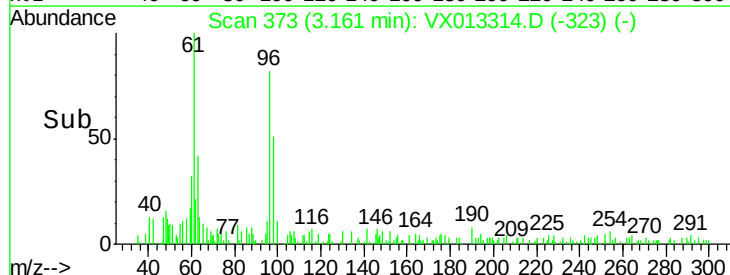
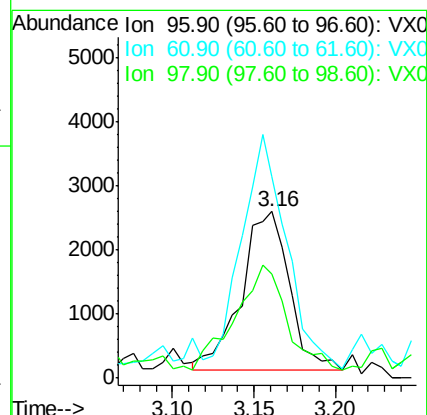
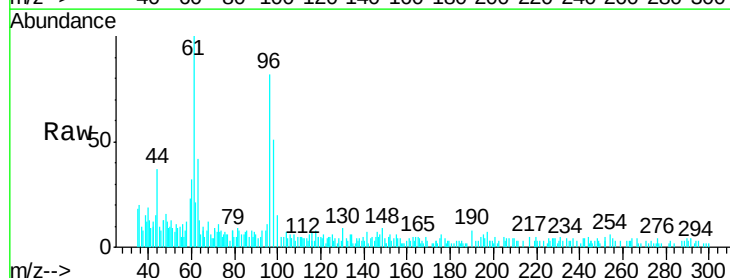
Tgt Ion: 96 Resp: 5122

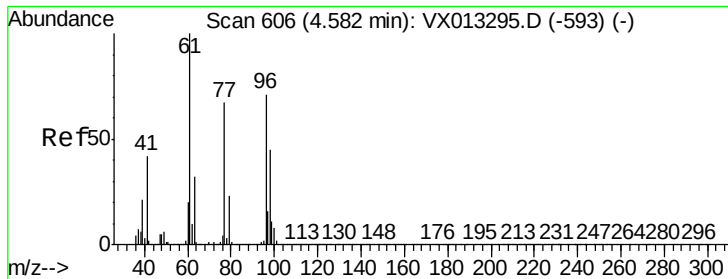
Ion Ratio Lower Upper

96 100

61 112.1 105.8 158.6

98 60.3 51.8 77.6



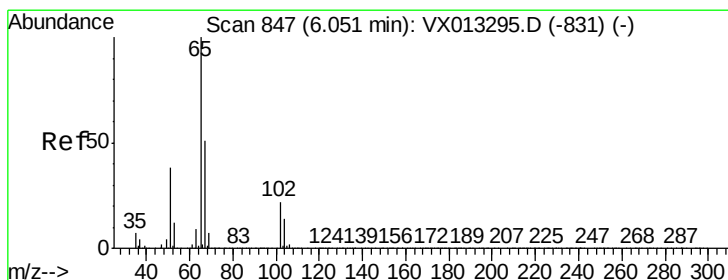
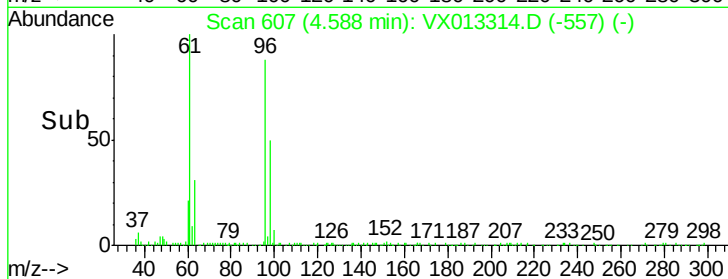
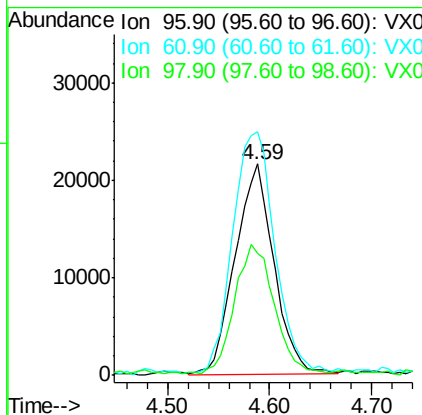
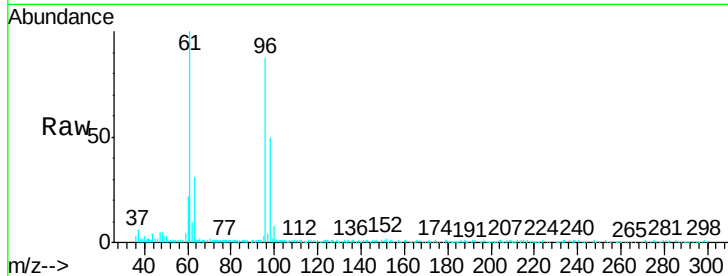


#27

cis-1,2-Dichloroethene
Concen: 7.084 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013314.D
Acq: 01 Nov 2019 16:17

Instrument :
MSVOA_X
ClientSampleId :
SS003MW326R-191031

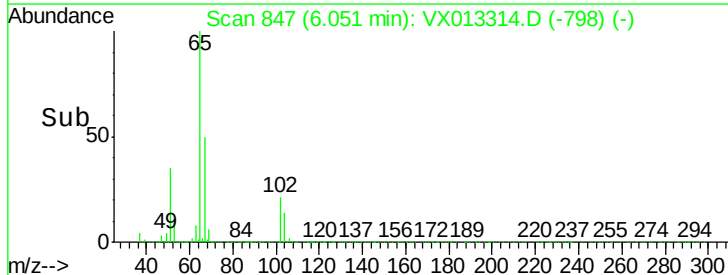
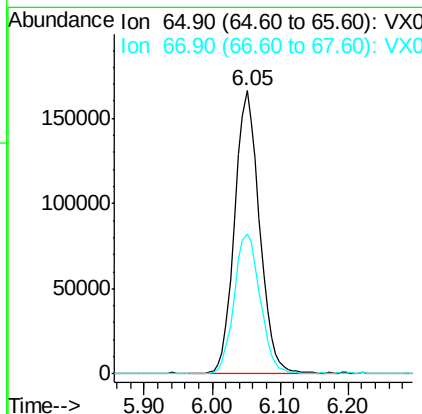
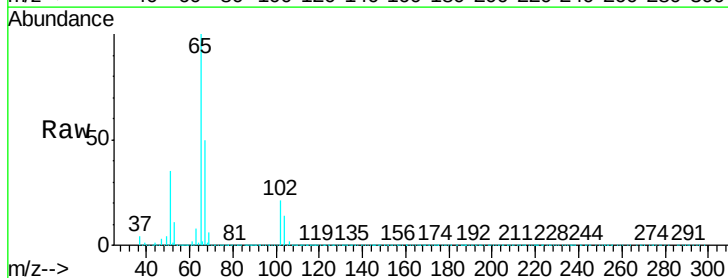
Tgt Ion: 96 Resp: 57032
Ion Ratio Lower Upper
96 100
61 123.7 0.0 288.0
98 61.2 0.0 129.6

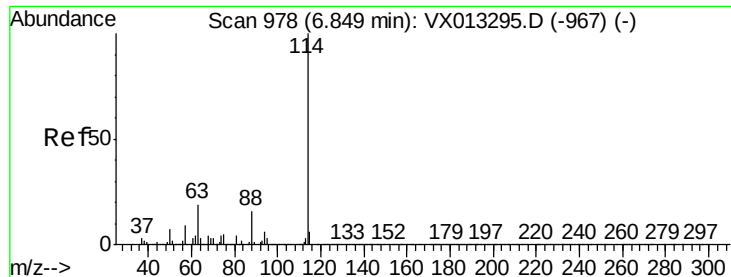


#33

1,2-Dichloroethane-d4
Concen: 49.570 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX013314.D
Acq: 01 Nov 2019 16:17

Tgt Ion: 65 Resp: 422561
Ion Ratio Lower Upper
65 100
67 52.0 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: VX013314.D

Acq: 01 Nov 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

SS003MW326R-191031

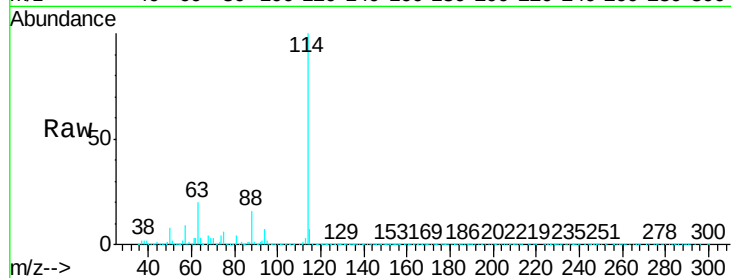
Tgt Ion:114 Resp: 1106494

Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.4

88 15.8 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

600000

500000

400000

300000

200000

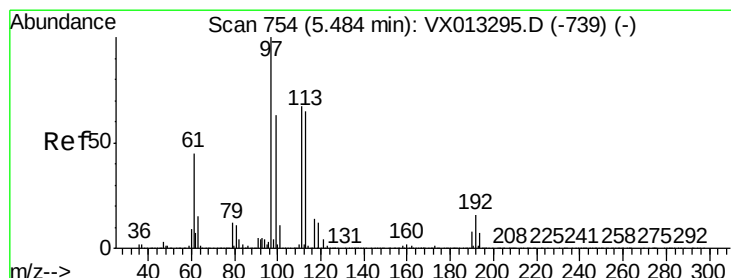
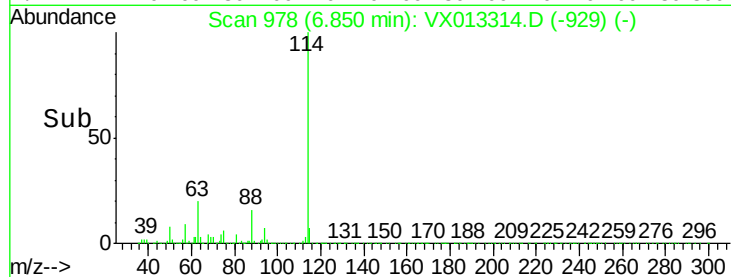
100000

0

6.85

6.70 6.80 6.90 7.00

Time-->



#35

Dibromofluoromethane

Concen: 47.156 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

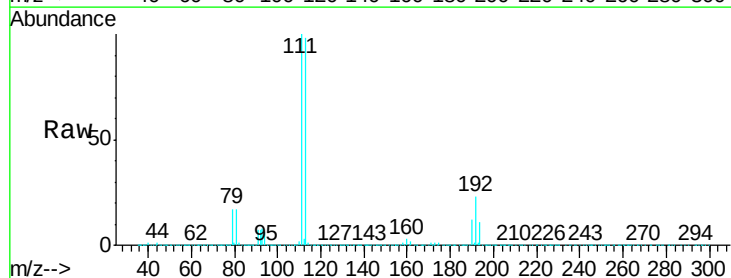
Tgt Ion:113 Resp: 327266

Ion Ratio Lower Upper

113 100

111 104.8 81.9 122.9

192 23.3 19.1 28.7



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

150000

100000

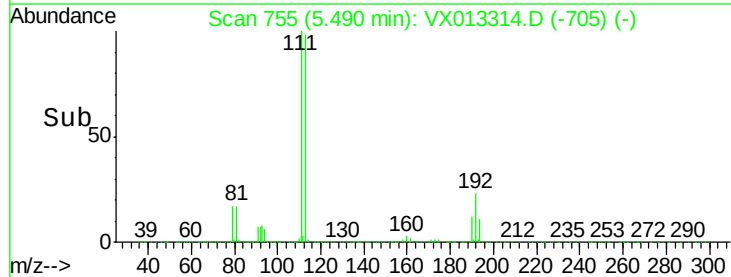
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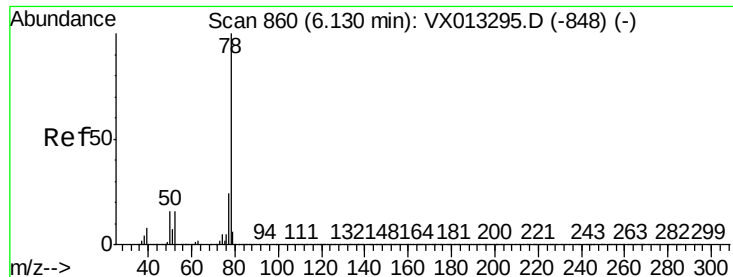
0

5.49

5.40 5.50 5.60

Time-->





#40

Benzene

Concen: 5.166 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

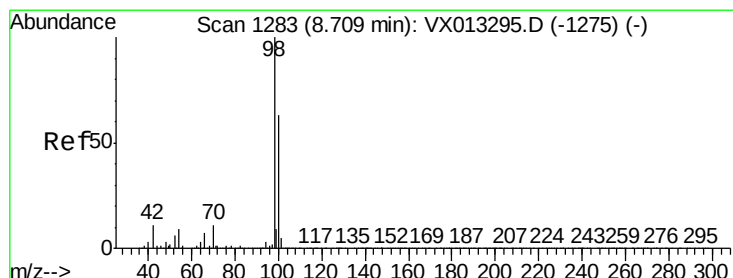
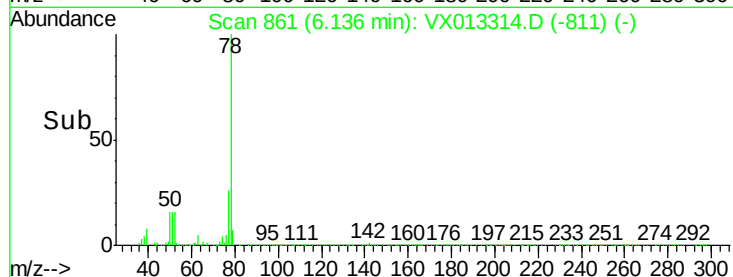
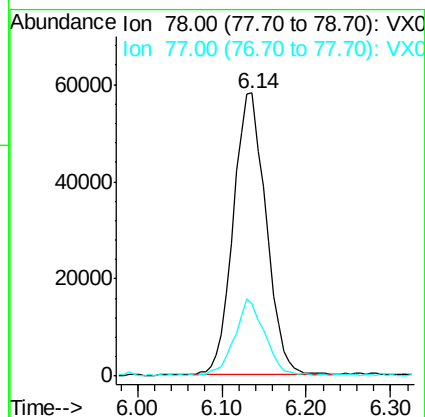
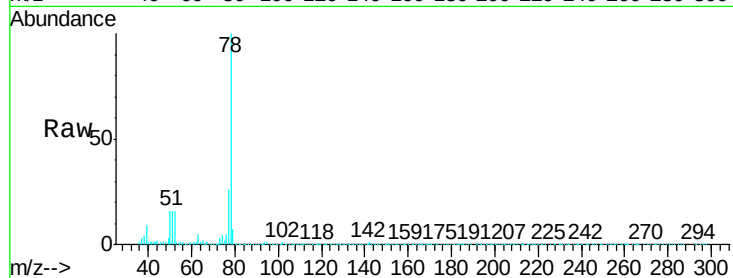
SS003MW326R-191031

Tgt Ion: 78 Resp: 152763

Ion Ratio Lower Upper

78 100

77 25.1 19.5 29.3



#50

Toluene-d8

Concen: 50.188 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013314.D

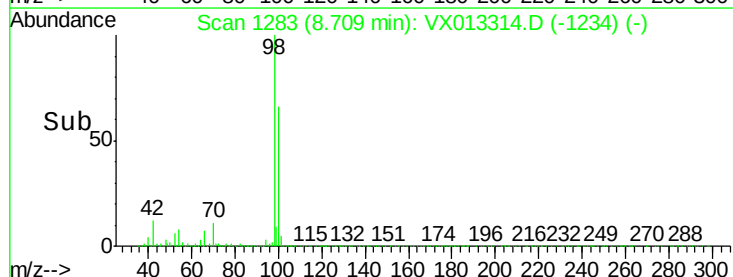
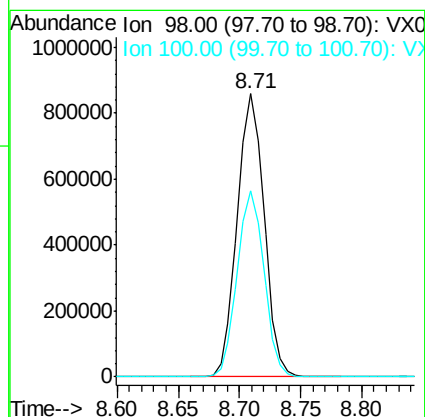
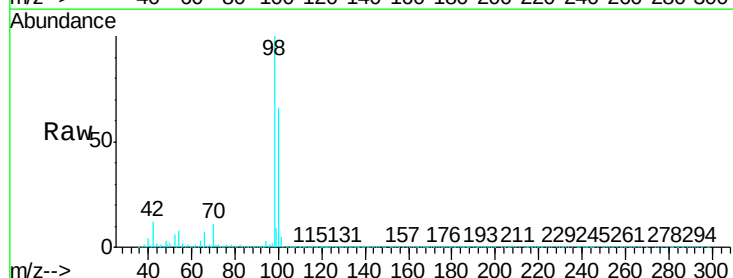
Acq: 01 Nov 2019 16:17

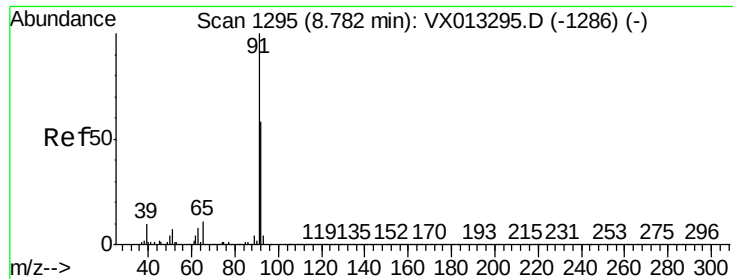
Tgt Ion: 98 Resp: 1313086

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2





#52

Toluene

Concen: 0.279 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

Instrument :

MSVOA_X

ClientSampleId :

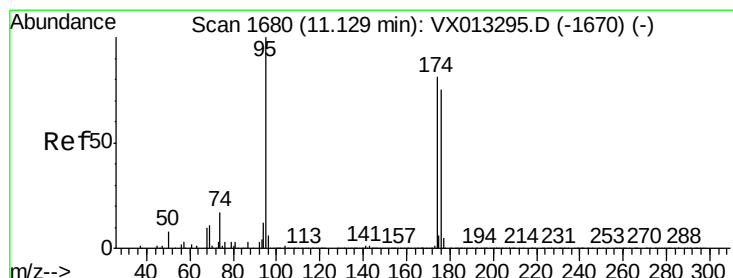
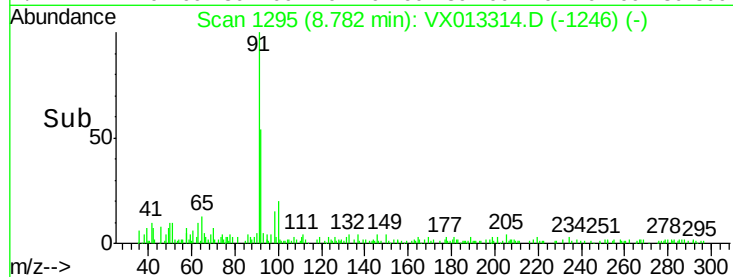
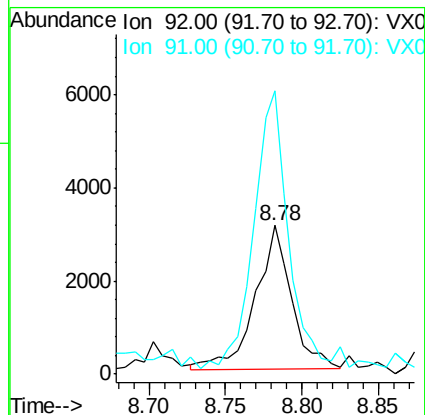
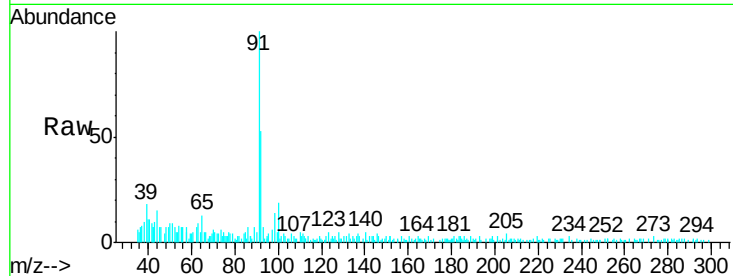
SS003MW326R-191031

Tgt Ion: 92 Resp: 5110

Ion Ratio Lower Upper

92 100

91 182.6 138.0 207.0



#62

4-Bromofluorobenzene

Concen: 47.231 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

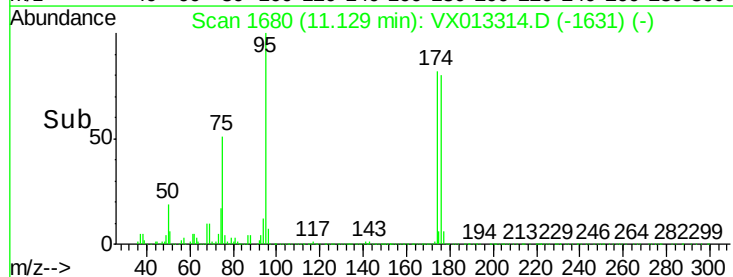
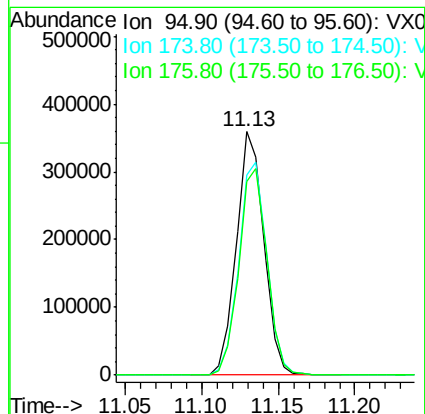
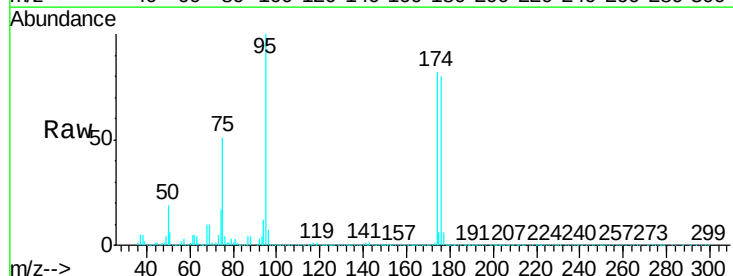
Tgt Ion: 95 Resp: 445978

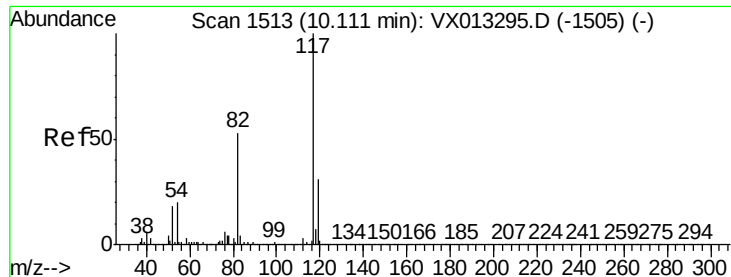
Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

176 87.1 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

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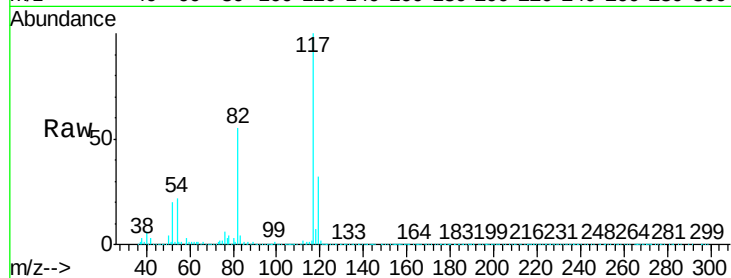
Tgt Ion:117 Resp: 989594

Ion Ratio Lower Upper

117 100

82 54.8 42.6 64.0

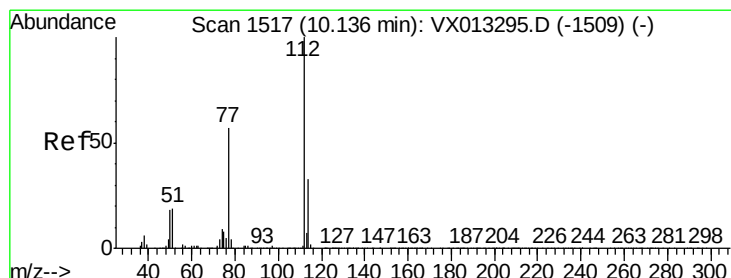
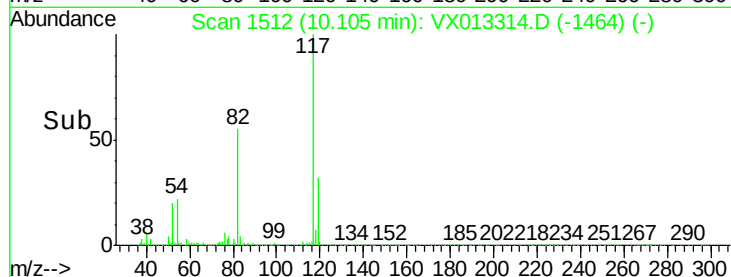
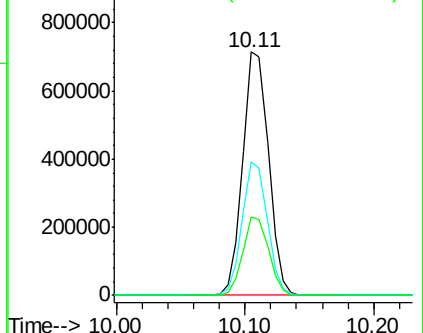
119 32.1 24.8 37.2



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



#65

Chlorobenzene

Concen: 215.158 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX013314.D

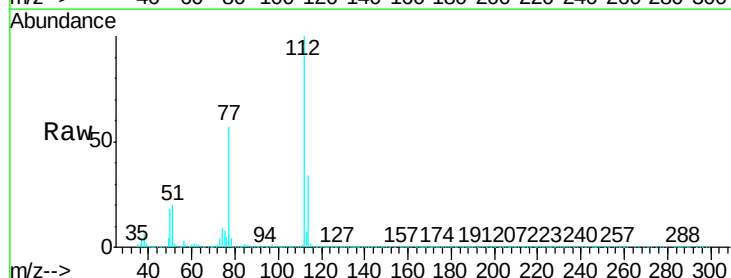
Acq: 01 Nov 2019 16:17

Tgt Ion:112 Resp: 4310646

Ion Ratio Lower Upper

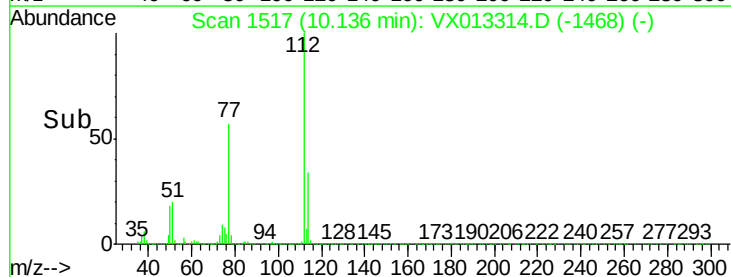
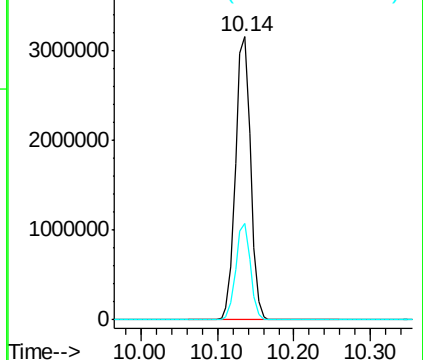
112 100

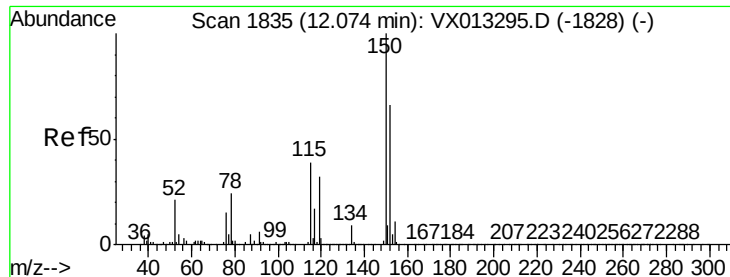
114 33.9 26.4 39.6



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: VX013314.D

Acq: 01 Nov 2019 16:17

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SS003MW326R-191031

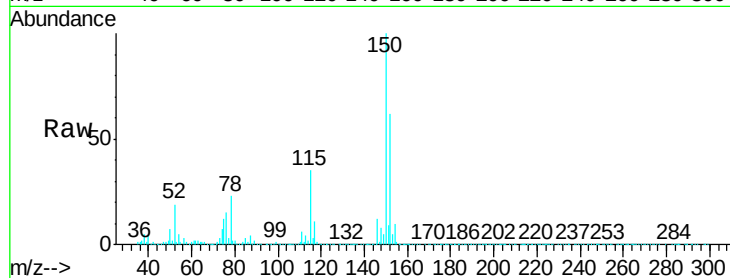
Tgt Ion:152 Resp: 481115

Ion Ratio Lower Upper

152 100

115 55.1 39.5 118.3

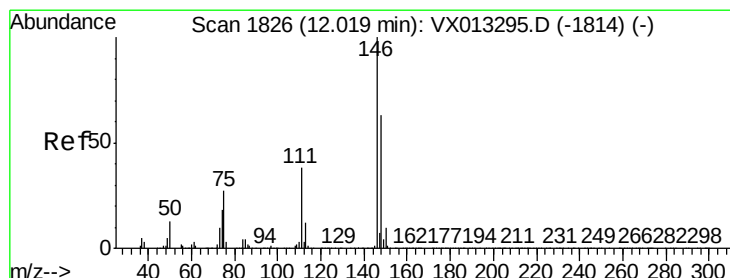
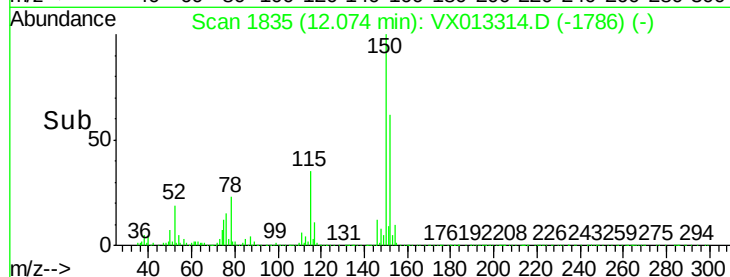
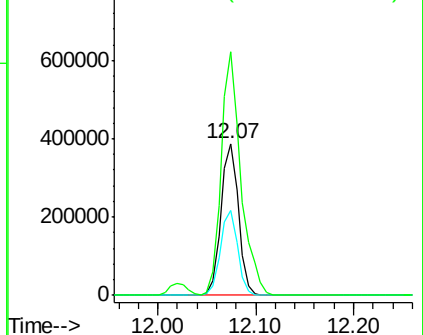
150 179.4 0.0 344.4



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: 23.885 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX013314.D

Acq: 01 Nov 2019 16:17

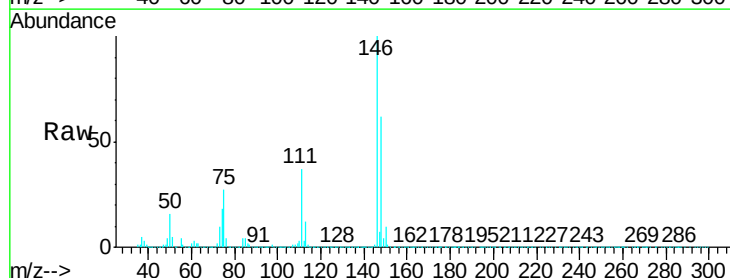
Tgt Ion:146 Resp: 362044

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.5

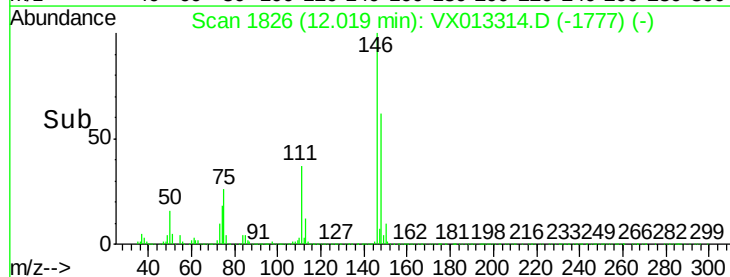
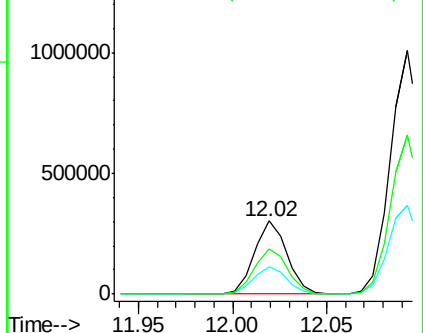
148 63.6 31.9 95.7

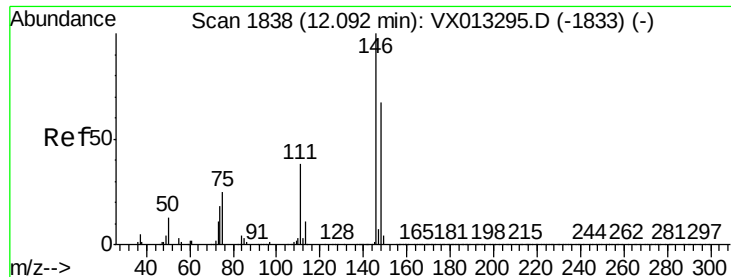


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

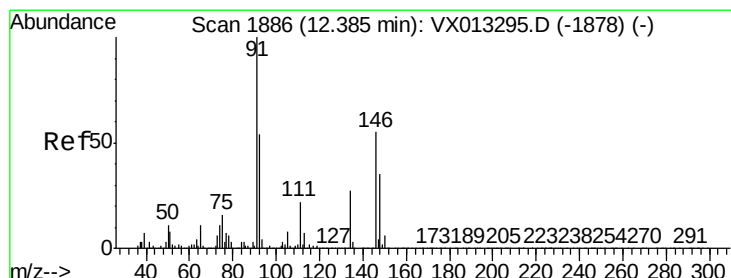
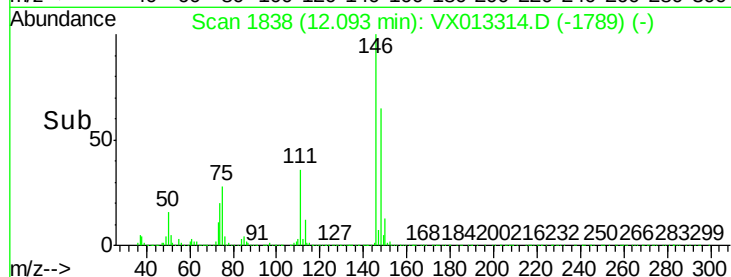
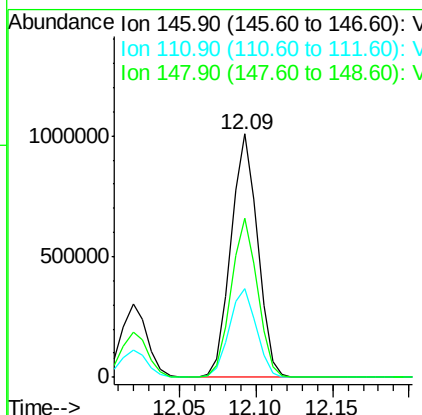
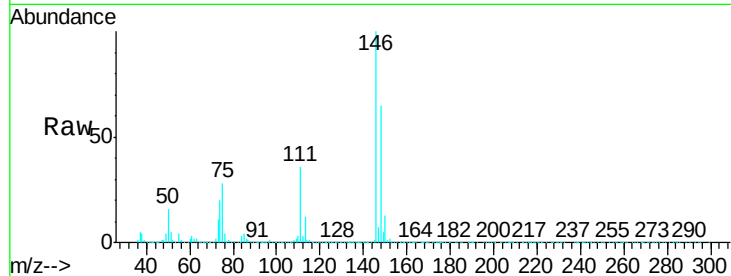




#88
 1,4-Dichlorobenzene
 Concen: 78.602 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX013314.D
 Acq: 01 Nov 2019 16:17

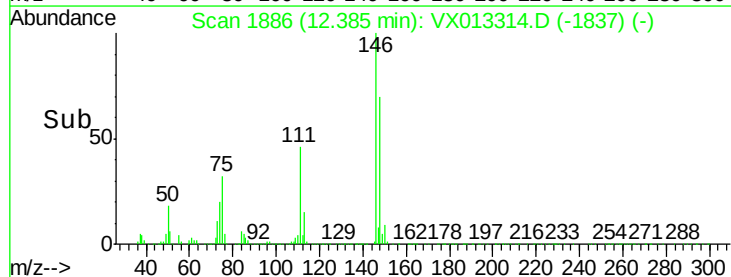
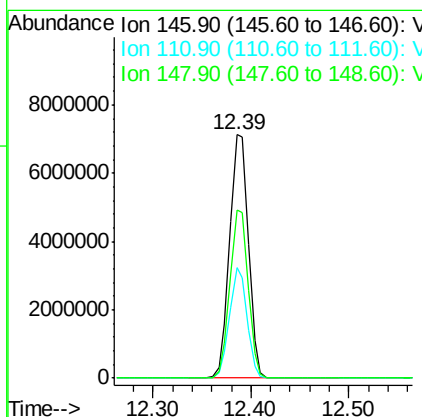
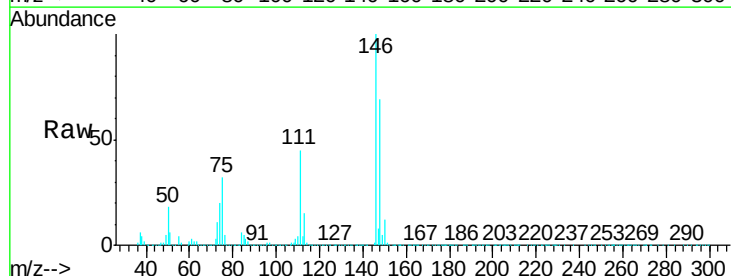
Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW326R-191031

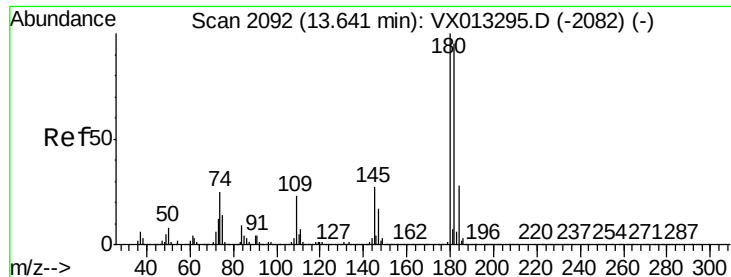
Tgt Ion:146 Resp: 1213911
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 64.7 32.4 97.0



#91
 1,2-Dichlorobenzene
 Concen: 628.034 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX013314.D
 Acq: 01 Nov 2019 16:17

Tgt Ion:146 Resp: 9515967
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.1 60.2
 148 67.4 32.0 96.0

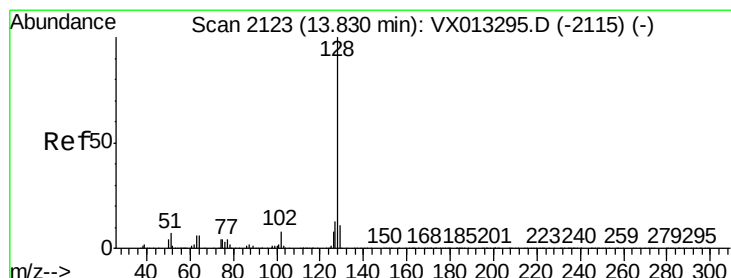
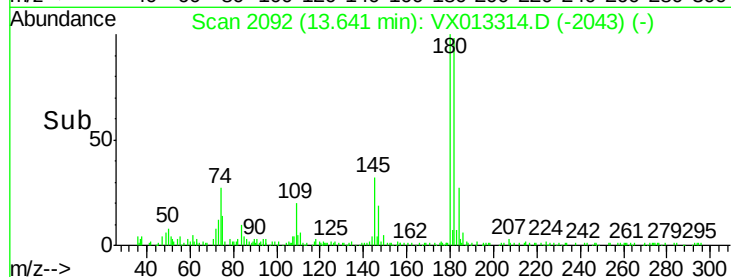
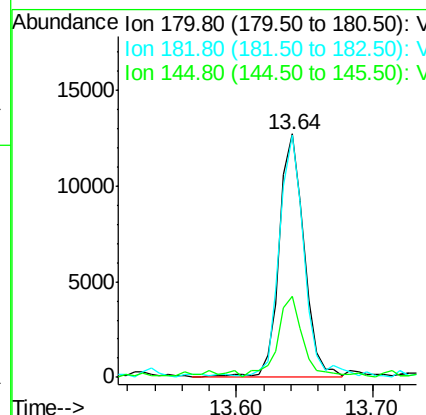
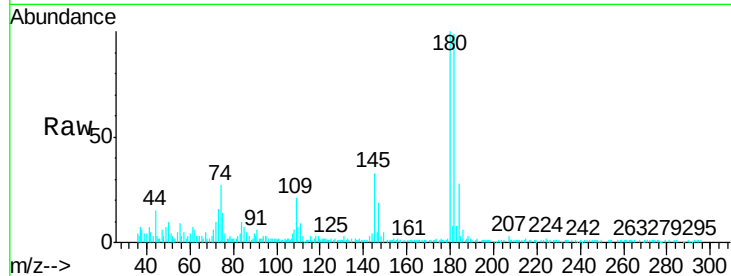




#93
1,2,4-Trichlorobenzene
Concen: 1.551 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX013314.D
Acq: 01 Nov 2019 16:17

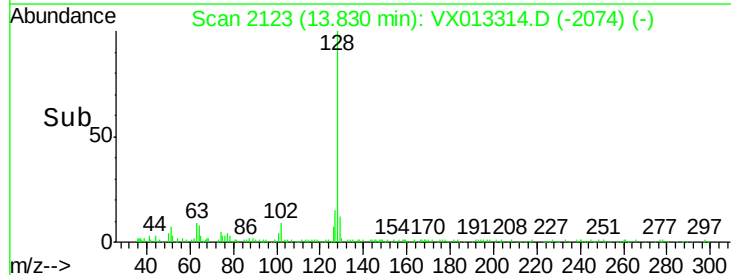
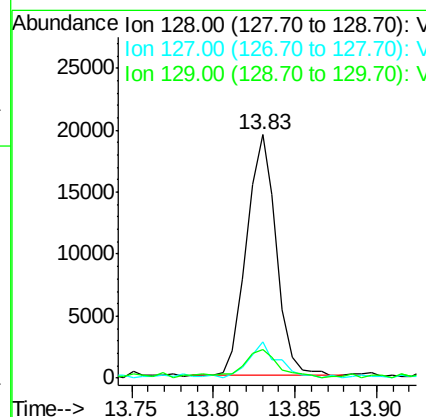
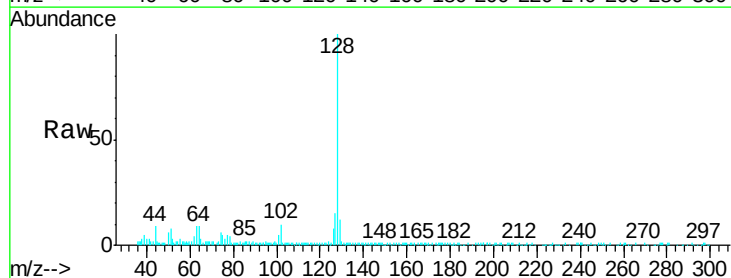
Instrument :
MSVOA_X
ClientSampleId :
SS003MW326R-191031

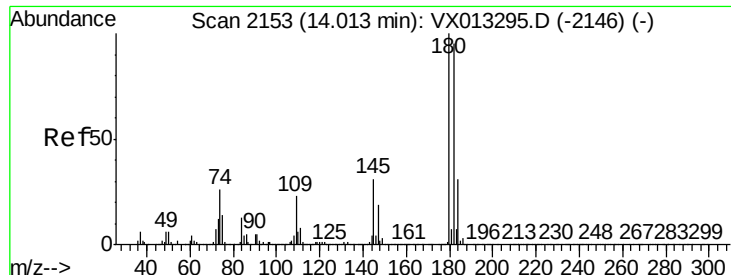
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.0
145	35.1	14.1	42.4



#95
Naphthalene
Concen: 0.740 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013314.D
Acq: 01 Nov 2019 16:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.2
129	15.5	8.5	12.7#

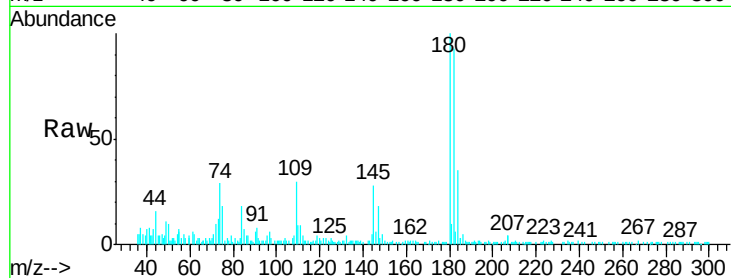




#96
 1,2,3-Trichlorobenzene
 Concen: 1.366 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX013314.D
 Acq: 01 Nov 2019 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 SS003MW326R-191031

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.2
145	32.3	15.4	46.4



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

