

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\
 Data File : VX013912.D
 Acq On : 10 Dec 2019 20:40
 Operator : JC/SP
 Sample : K6185-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D7-20191205

Quant Time: Dec 11 06:41:36 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	544981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	847283	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	743453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	308738	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	311561	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	5.49	113	256959	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	8.71	98	996992	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.14	95	320051	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	

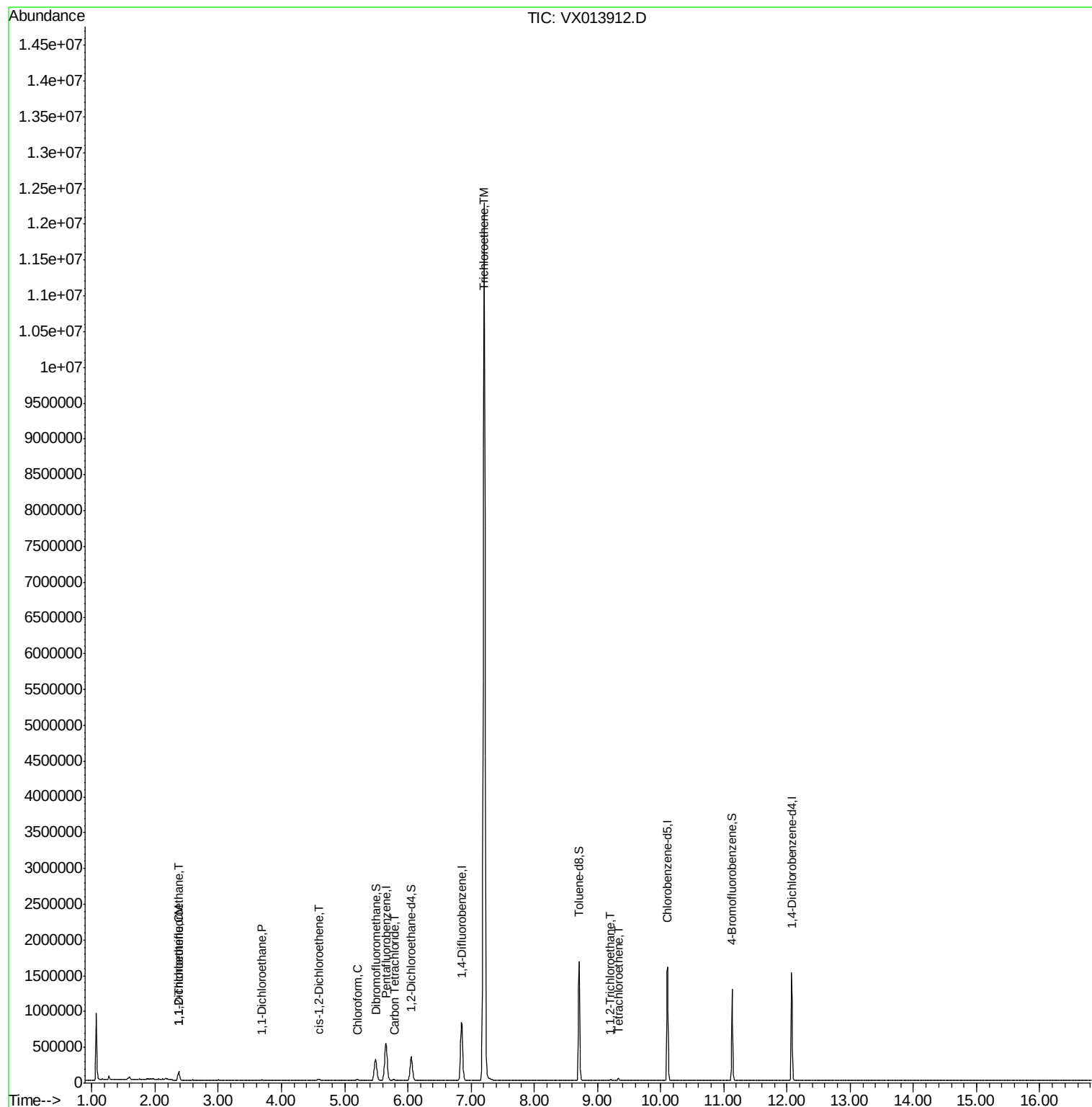
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	43074	8.290	ug/l	98
12) 1,1-Dichloroethene	2.37	96	17610	3.395	ug/l	95
24) 1,1-Dichloroethane	3.69	63	9316	0.940	ug/l #	92
27) cis-1,2-Dichloroethene	4.59	96	13130	2.024	ug/l	83
30) Chloroform	5.20	83	19410	1.932	ug/l	91
38) Carbon Tetrachloride	5.78	117	8783	1.238	ug/l	94
44) Trichloroethene	7.21	130	4770503	742.043	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	3263	0.556	ug/l	92
64) Tetrachloroethene	9.33	164	7314	1.319	ug/l	97

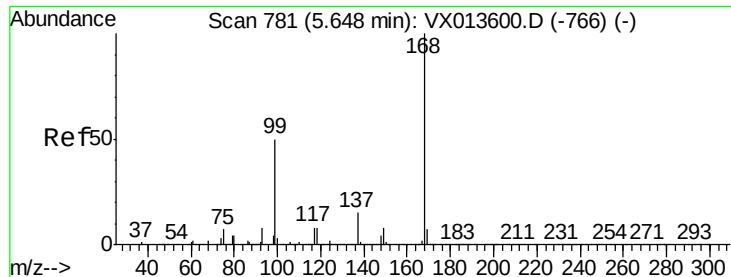
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

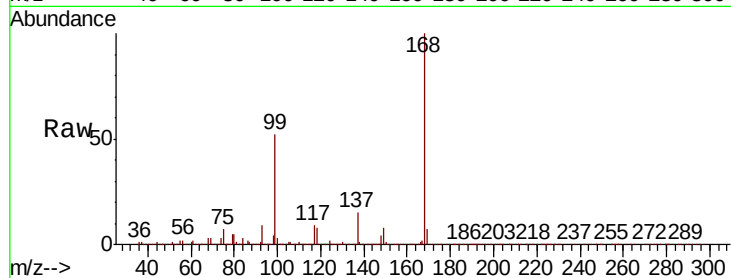
RE132D7-20191205

Tot Ion:168 Resp: 544981

Ion Ratio Lower Upper

168 100

99 51.8 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

200000

150000

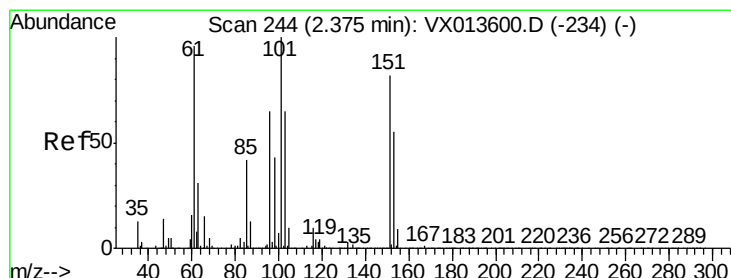
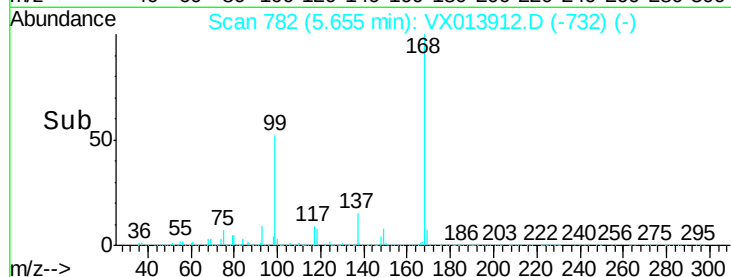
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.290 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

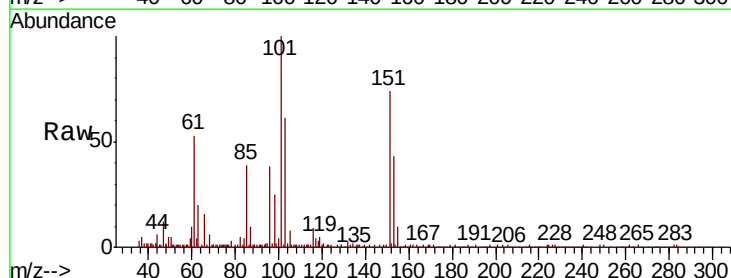
Tgt Ion:101 Resp: 43074

Ion Ratio Lower Upper

101 100

85 40.4 33.9 50.9

151 81.0 64.2 96.2



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

2.37

30000

25000

20000

15000

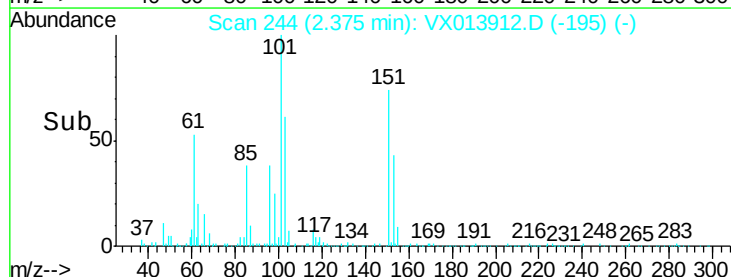
10000

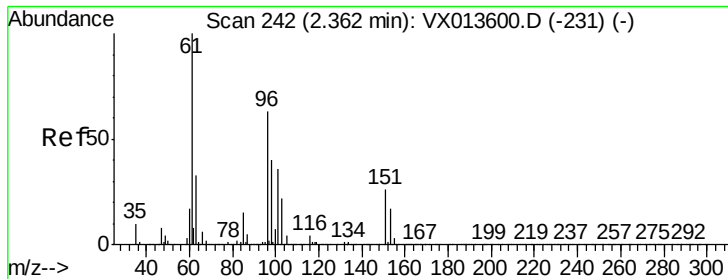
5000

0

Time-->

2.30 2.35 2.40 2.45





#12

1,1-Dichloroethene

Concen: 3.395 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20191205

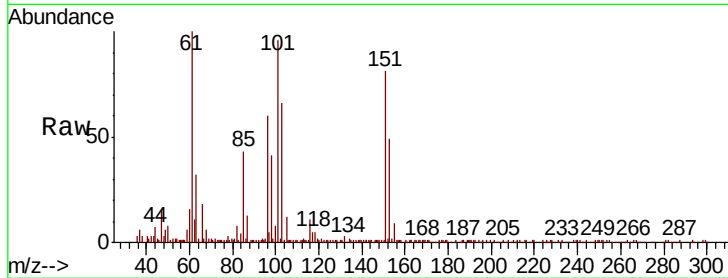
Tot Ion: 96 Resp: 17610

Ion Ratio Lower Upper

96 100

61 164.9 126.6 190.0

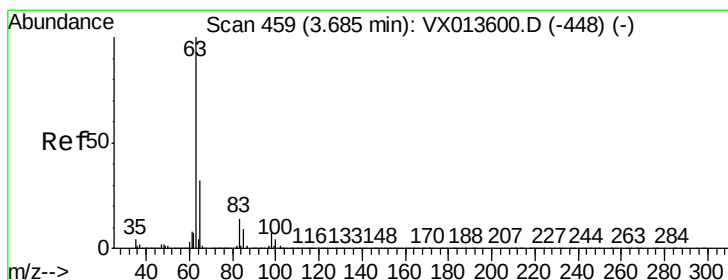
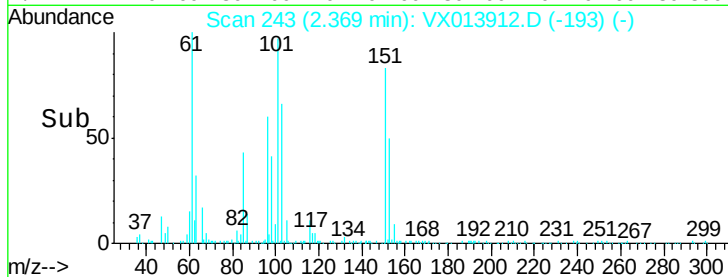
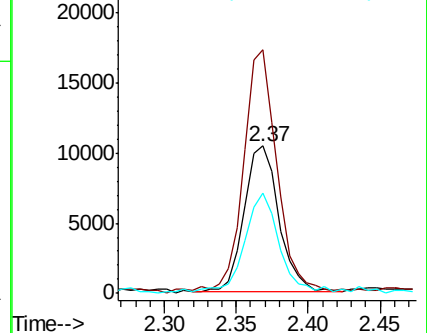
98 67.7 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#24

1,1-Dichloroethane

Concen: 0.940 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

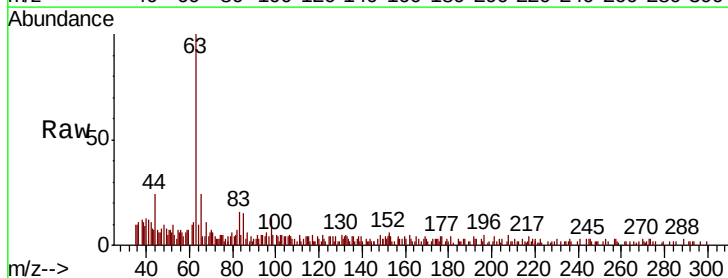
Tgt Ion: 63 Resp: 9316

Ion Ratio Lower Upper

63 100

98 10.6 3.5 10.4#

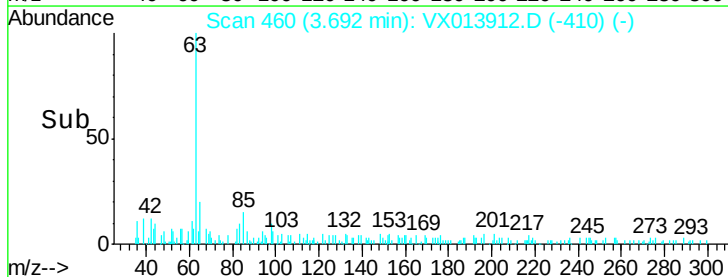
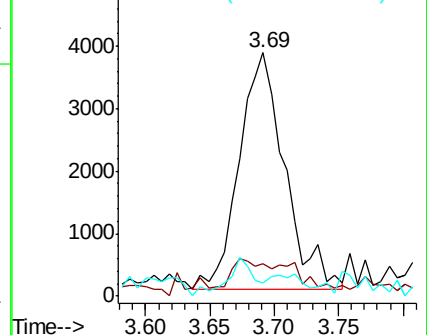
100 5.6 2.1 6.3

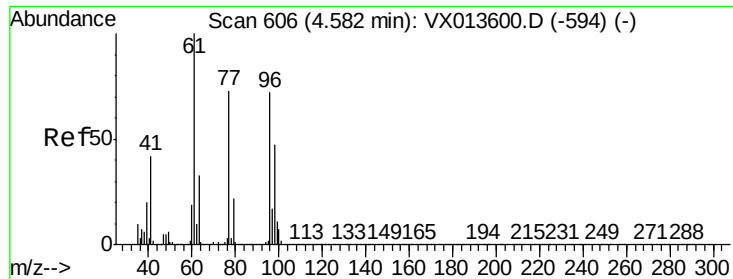


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



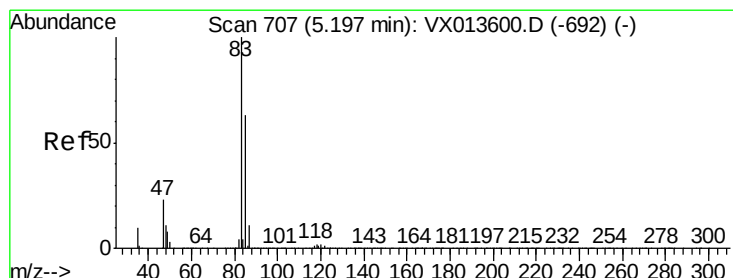
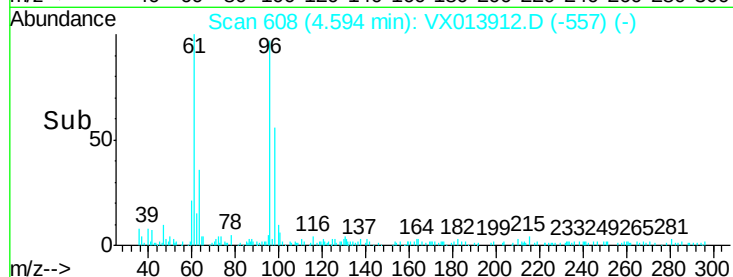
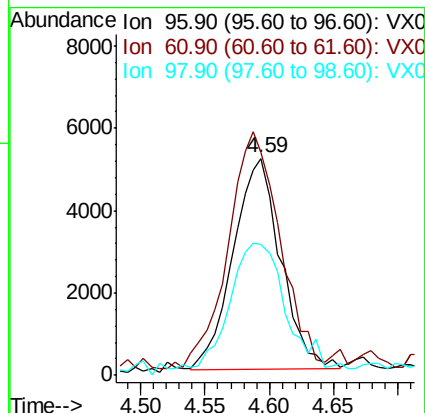
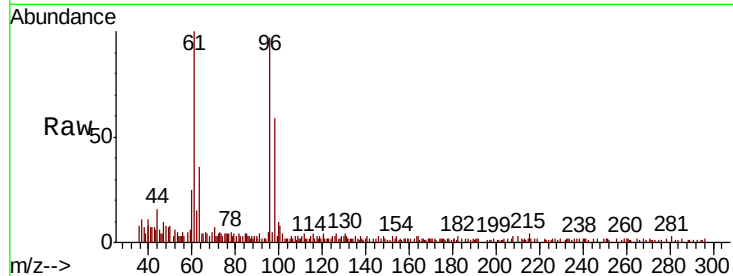


#27

cis-1,2-Dichloroethene
Concen: 2.024 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX013912.D
Acq: 10 Dec 2019 20:40

Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20191205

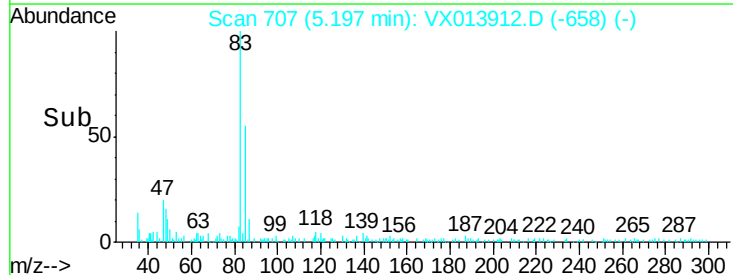
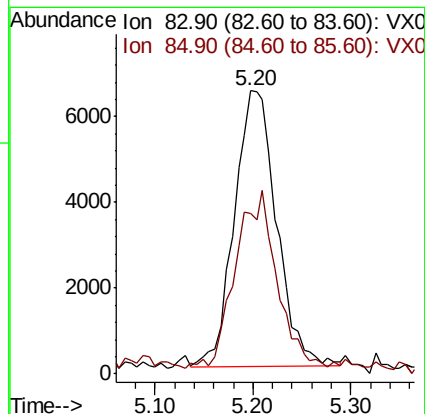
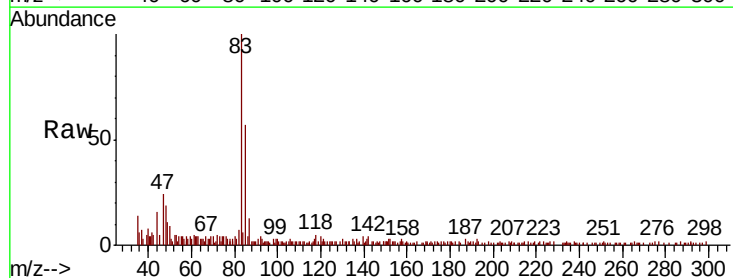
Tot Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	286.4
98	80.0	0.0	127.4

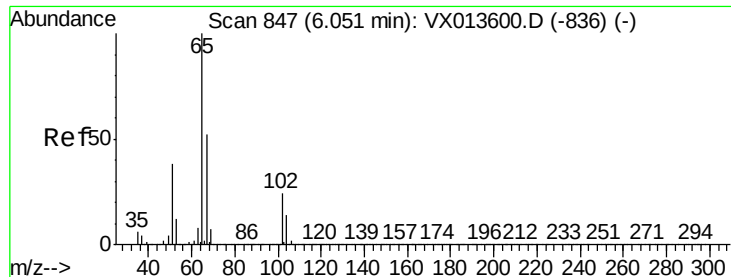


#30

Chloroform
Concen: 1.932 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013912.D
Acq: 10 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.5	50.2	75.4





#33

1,2-Dichloroethane-d4

Concen: 49.251 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

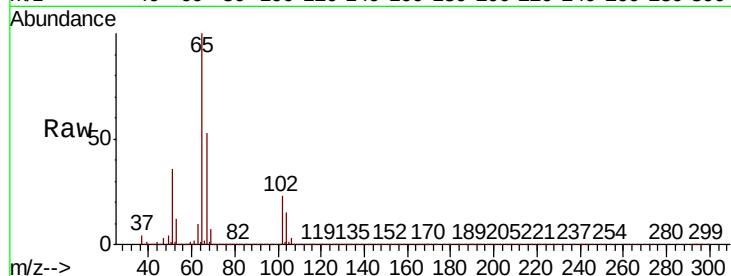
RE132D7-20191205

Tot Ion: 65 Resp: 311561

Ion Ratio Lower Upper

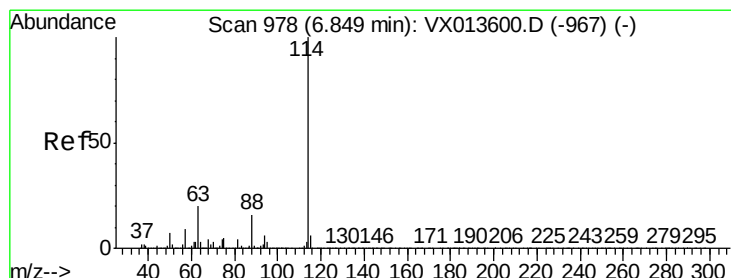
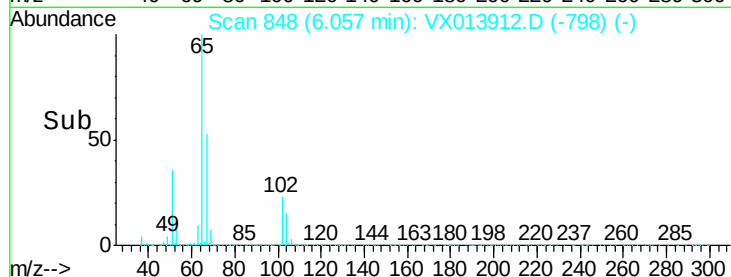
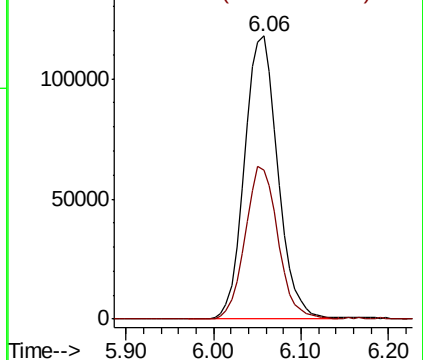
65 100

67 52.7 0.0 104.4



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: VX013912.D

Acq: 10 Dec 2019 20:40

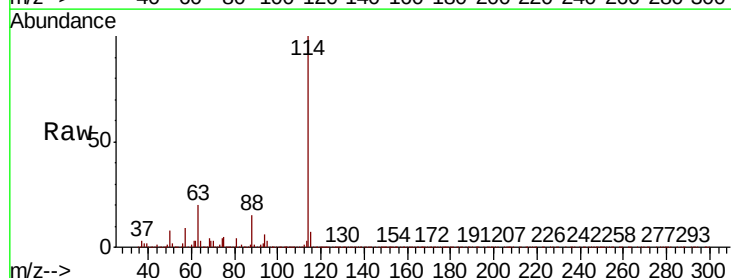
Tgt Ion: 114 Resp: 847283

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

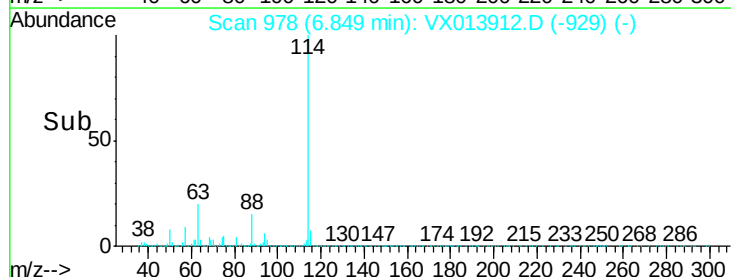
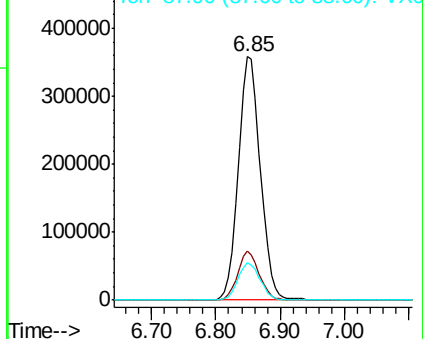
88 15.4 0.0 31.4

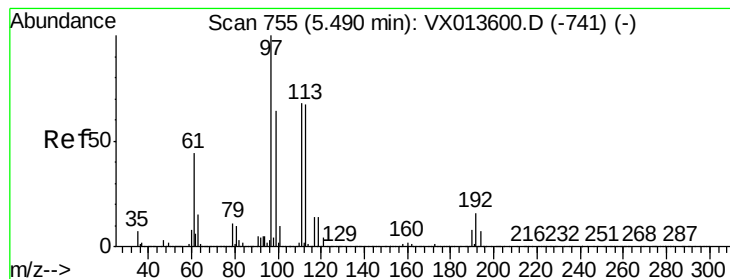


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.057 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20191205

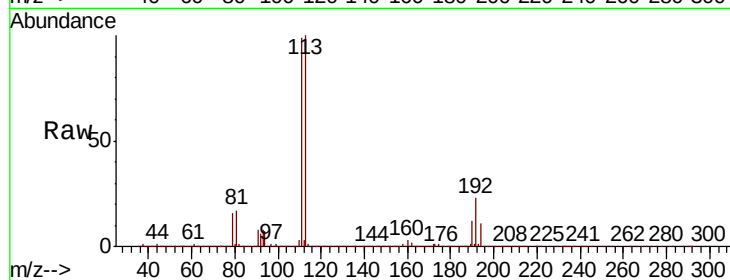
Tot Ion:113 Resp: 256959

Ion Ratio Lower Upper

113 100

111 101.7 83.6 125.4

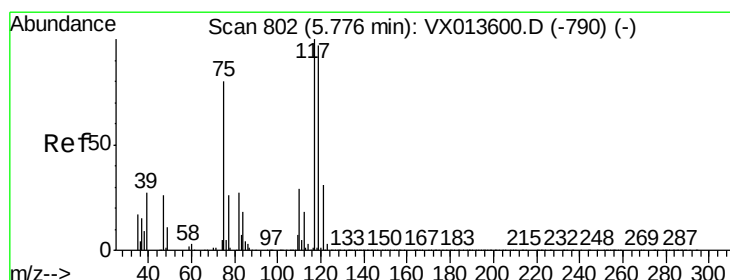
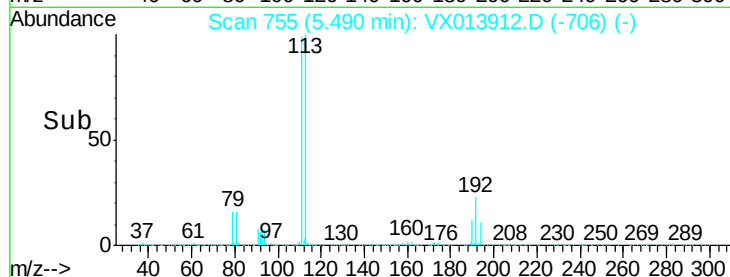
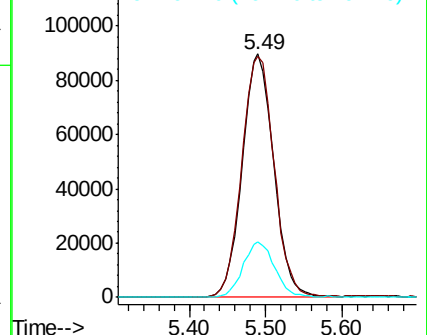
192 22.9 19.2 28.8



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



#38

Carbon Tetrachloride

Concen: 1.238 ug/l

RT: 5.78 min Scan# 803

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

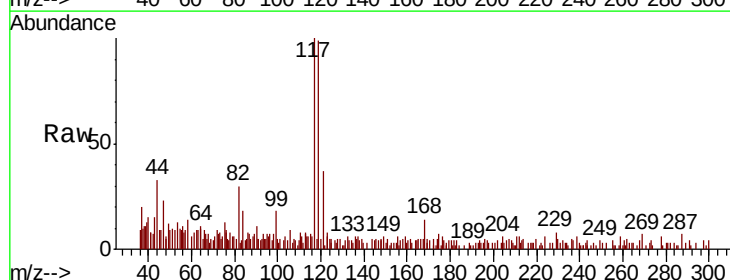
Tgt Ion:117 Resp: 8783

Ion Ratio Lower Upper

117 100

119 91.5 77.5 116.3

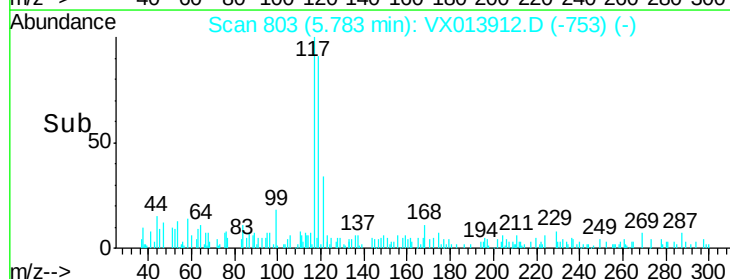
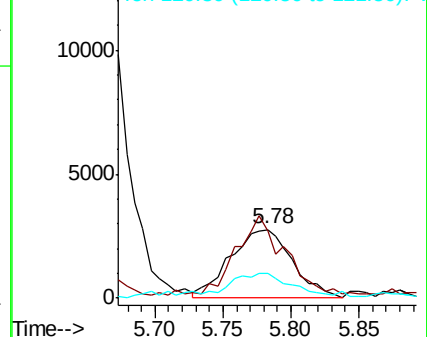
121 27.5 25.0 37.6

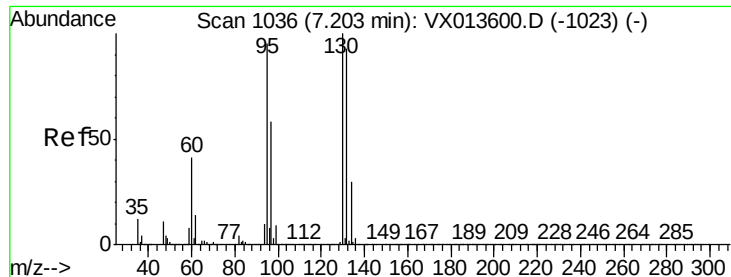


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 742.043 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

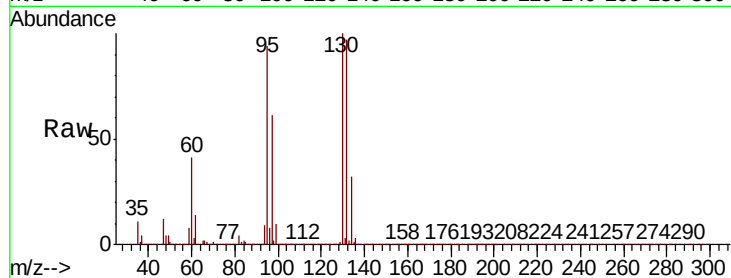
RE132D7-20191205

Tot Ion:130 Resp: 4770503

Ion Ratio Lower Upper

130 100

95 94.2 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

2500000

2000000

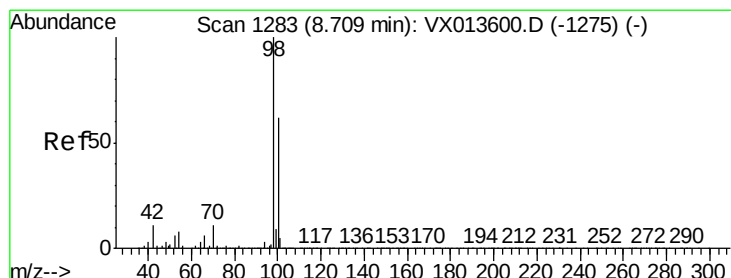
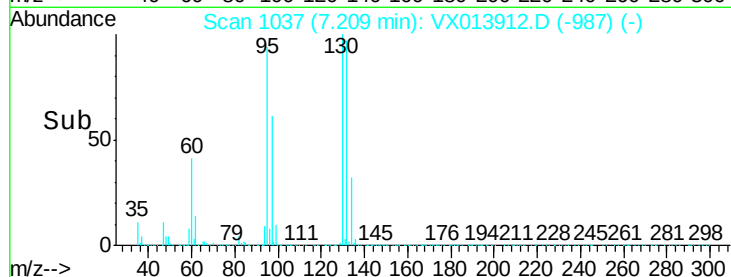
1500000

1000000

500000

0

Time--> 7.00 7.20 7.40



#50

Toluene-d8

Concen: 48.853 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013912.D

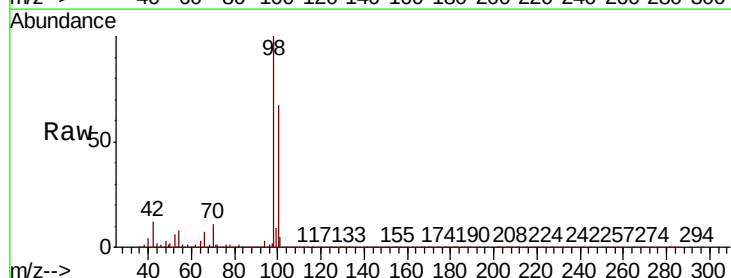
Acq: 10 Dec 2019 20:40

Tgt Ion: 98 Resp: 996992

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

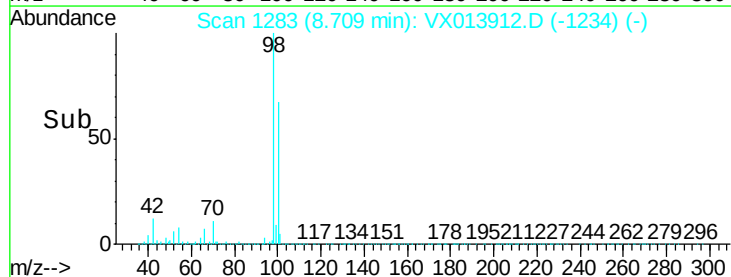
600000

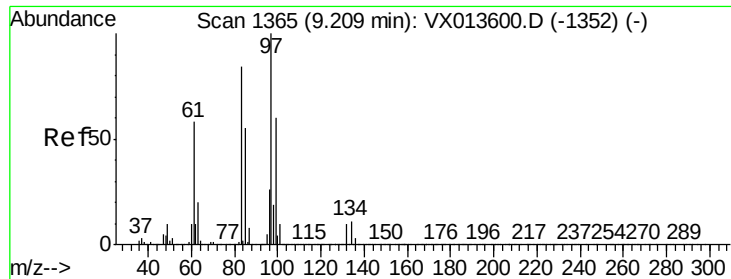
400000

200000

0

Time--> 8.60 8.70 8.80





#55

1,1,2-Trichloroethane

Concen: 0.556 ug/l

RT: 9.21 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20191205

Tot Ion: 97 Resp: 3263

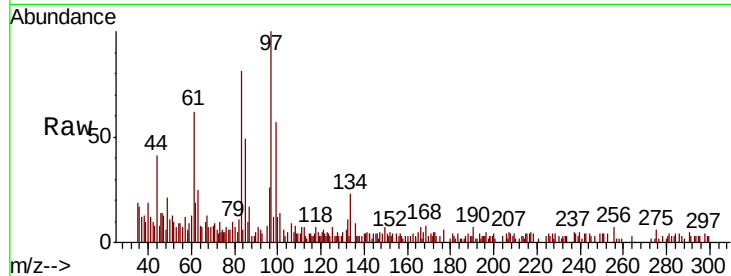
Ion Ratio Lower Upper

97 100

83 77.8 67.3 100.9

85 49.1 43.6 65.4

99 52.9 48.2 72.4



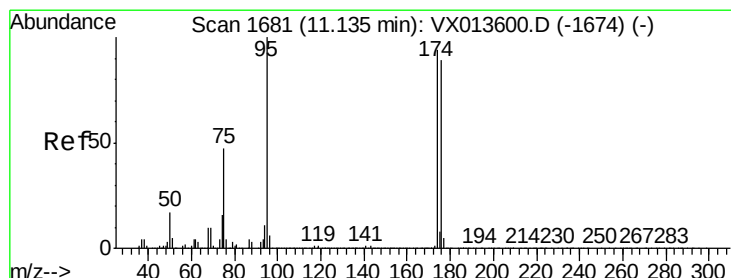
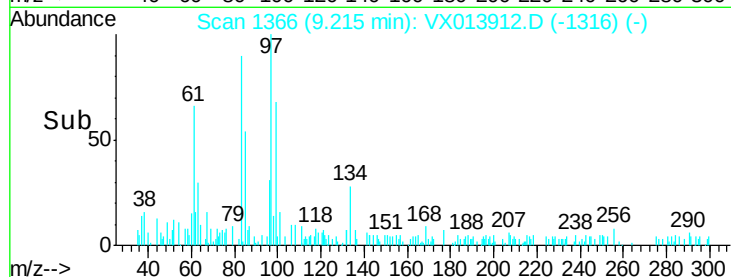
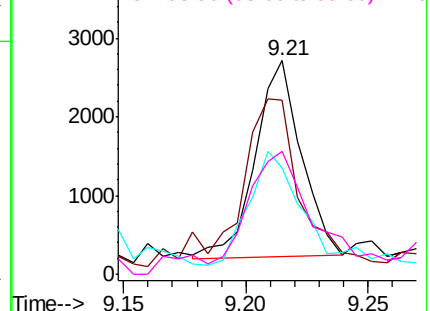
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#62

4-Bromofluorobenzene

Concen: 43.490 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

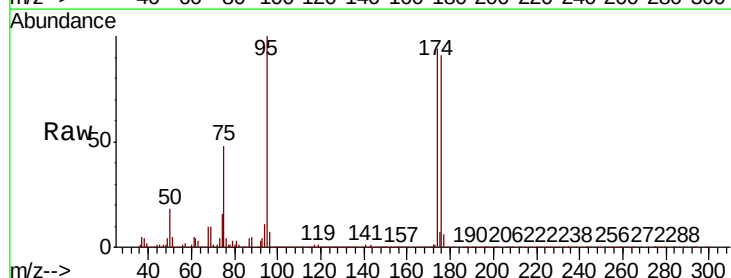
Tgt Ion: 95 Resp: 320051

Ion Ratio Lower Upper

95 100

174 91.7 0.0 180.0

176 87.3 0.0 173.6

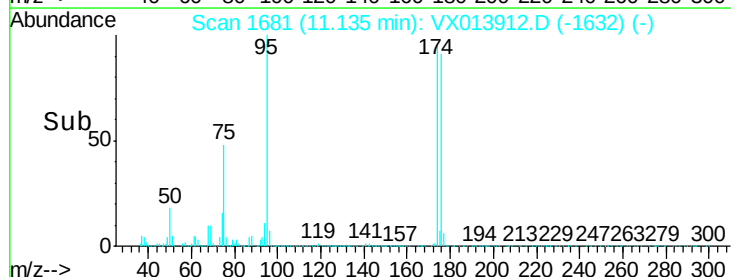
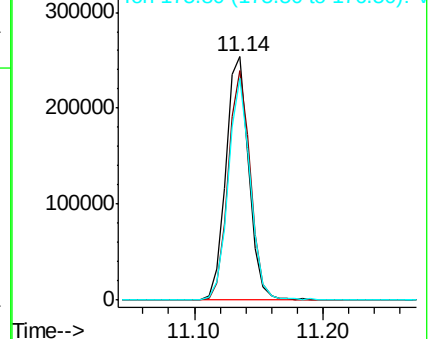


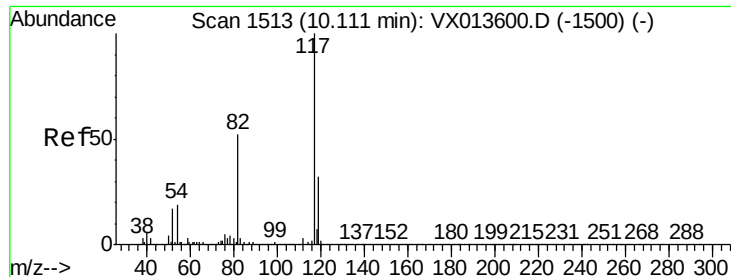
Abundance

Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

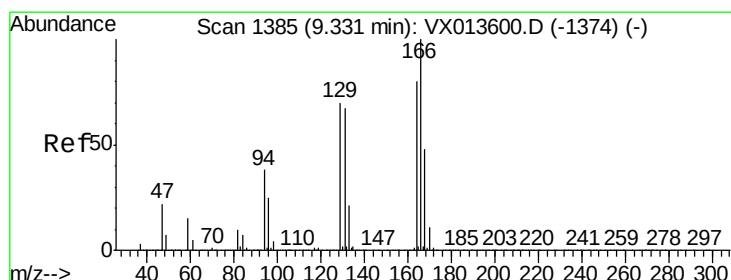
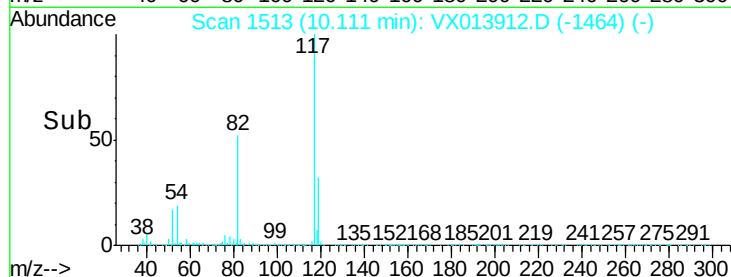
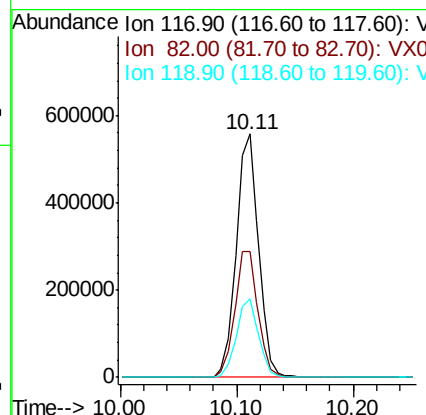
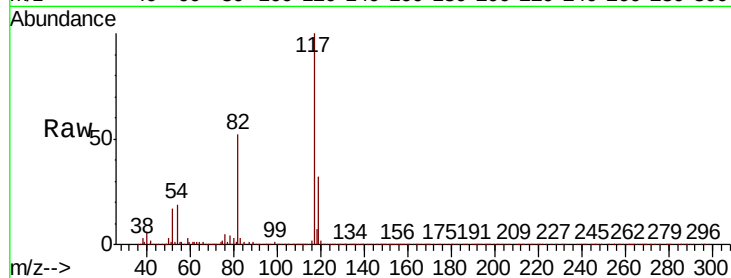




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013912.D
Acq: 10 Dec 2019 20:40

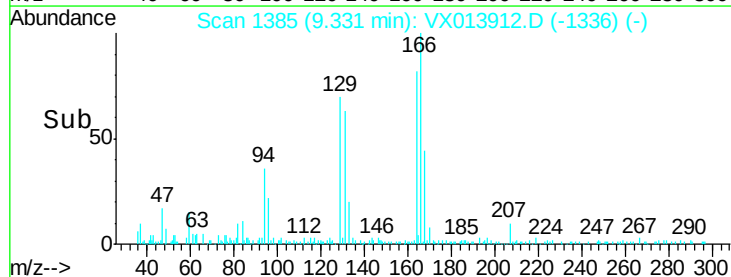
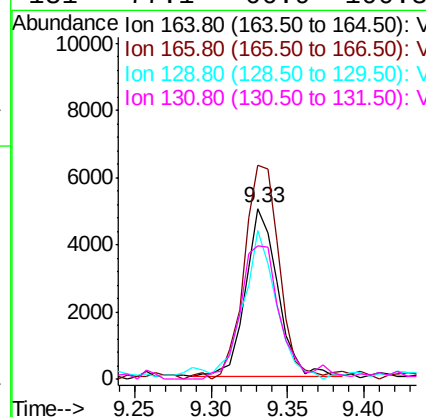
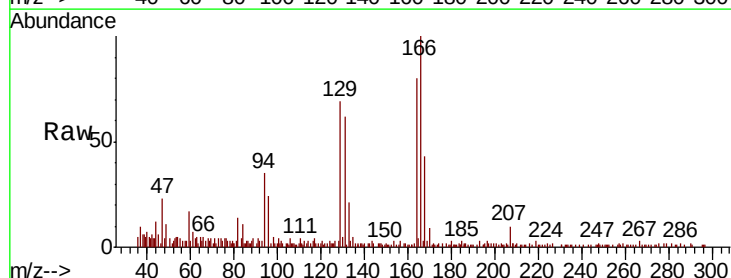
Instrument :
MSVOA_X
ClientSampleId :
RE132D7-20191205

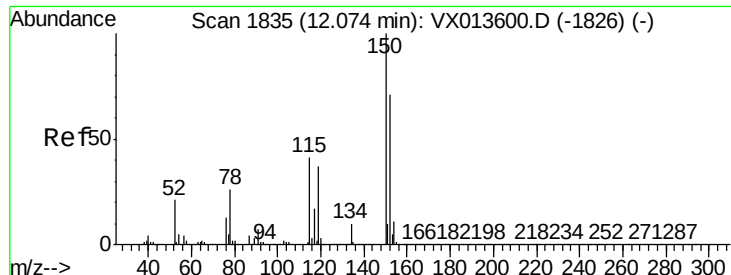
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	41.8	62.8
119	32.4	25.8	38.8



#64
Tetrachloroethene
Concen: 1.319 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013912.D
Acq: 10 Dec 2019 20:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	99.7	149.5
129	85.8	70.1	105.1
131	77.1	66.9	100.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013912.D

Acq: 10 Dec 2019 20:40

Instrument :

MSVOA_X

ClientSampleId :

RE132D7-20191205

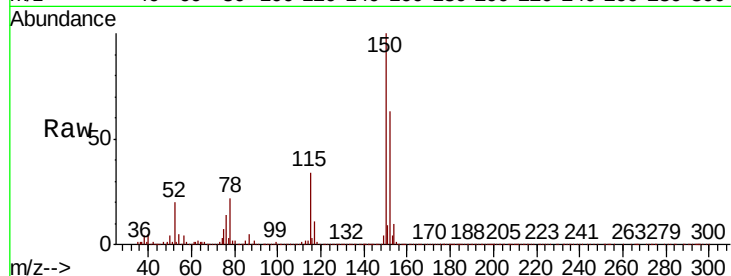
Tot Ion:152 Resp: 308738

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

150 159.5 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

