

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121619\
 Data File : VX014044.D
 Acq On : 16 Dec 2019 18:43
 Operator : JC/SP
 Sample : K6251-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE105D2-20191206

Quant Time: Dec 17 05:35:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	571844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	873001	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	774632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	329207	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	319495	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	5.49	113	260985	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	1036707	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	336961	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

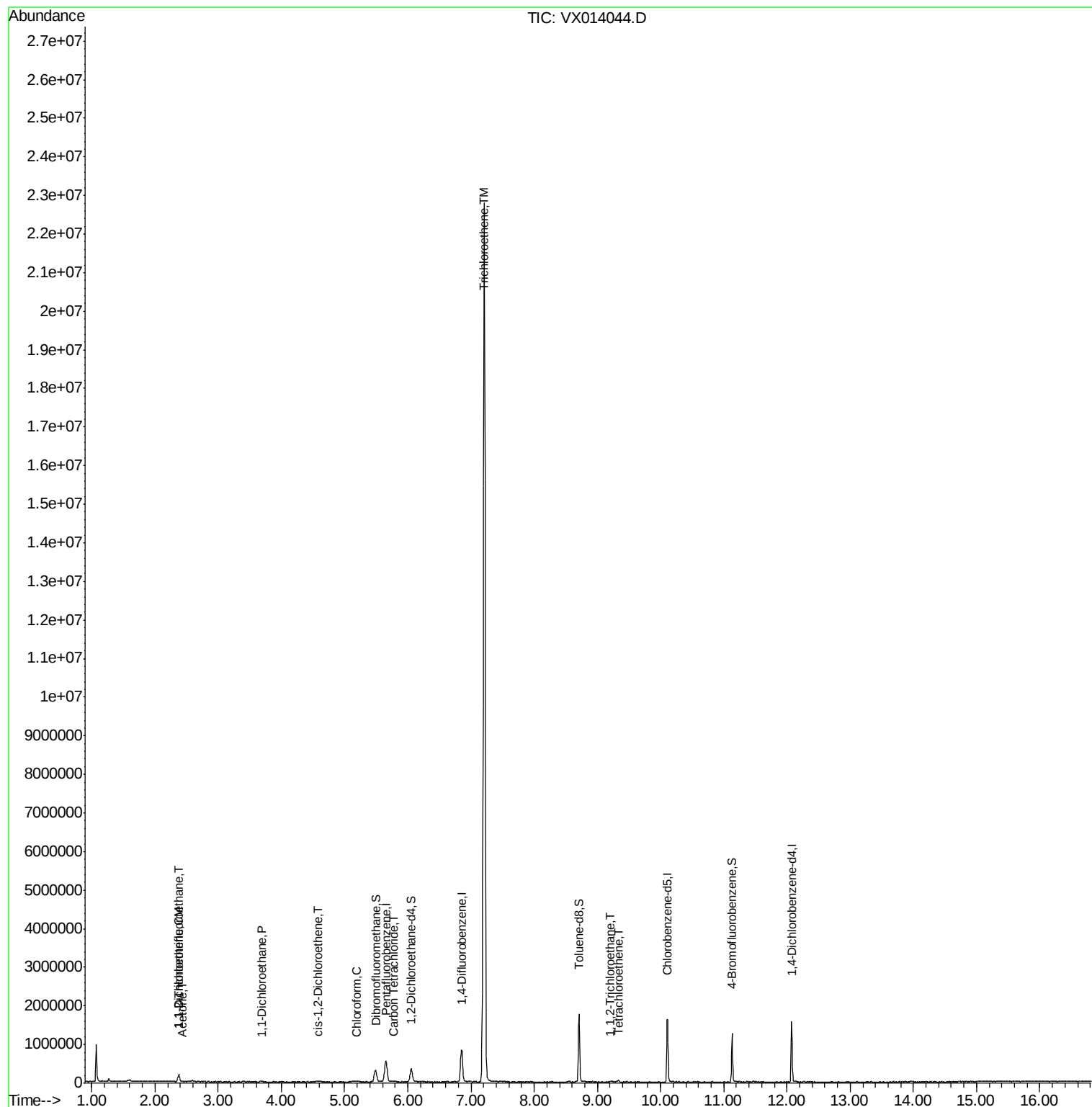
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	70496	13.041	ug/l	99
12) 1,1-Dichloroethene	2.37	96	22858	4.155	ug/l	92
16) Acetone	2.43	43	7969	1.894	ug/l #	88
24) 1,1-Dichloroethane	3.69	63	11410	1.048	ug/l #	93
27) cis-1,2-Dichloroethene	4.59	96	16468	2.403	ug/l	86
30) Chloroform	5.20	83	15627	1.514	ug/l	92
38) Carbon Tetrachloride	5.77	117	18585	2.547	ug/l	93
44) Trichloroethene	7.21	130	8803196	1293.138	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	6075	0.973	ug/l	93
64) Tetrachloroethene	9.33	164	10028	1.463	ug/l	92

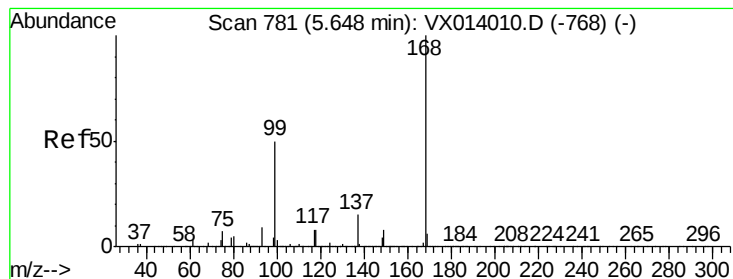
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 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: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

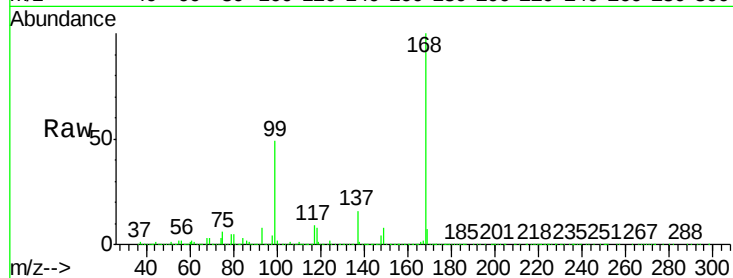
RE105D2-20191206

Tot Ion:168 Resp: 571844

Ion Ratio Lower Upper

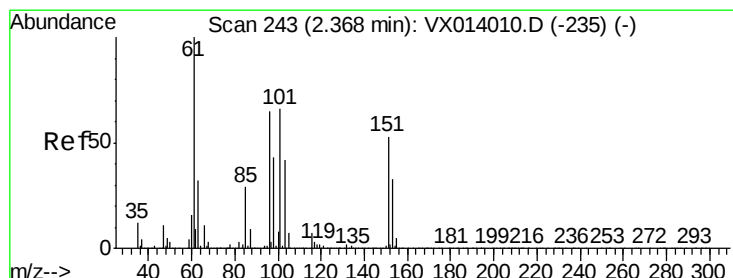
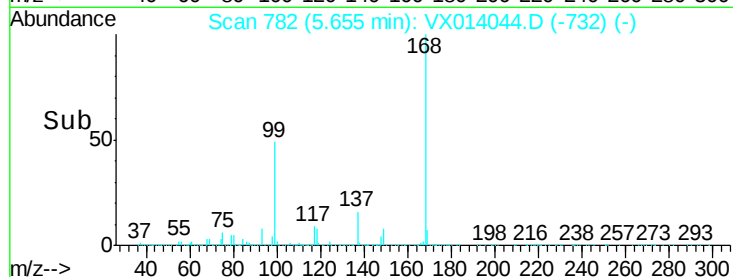
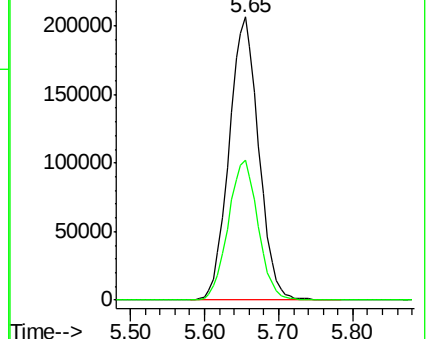
168 100

99 49.4 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.041 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

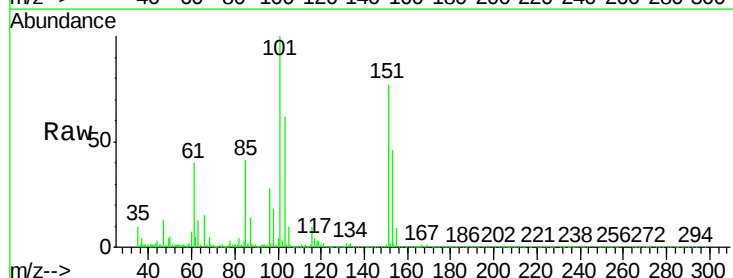
Tgt Ion:101 Resp: 70496

Ion Ratio Lower Upper

101 100

85 42.9 33.7 50.5

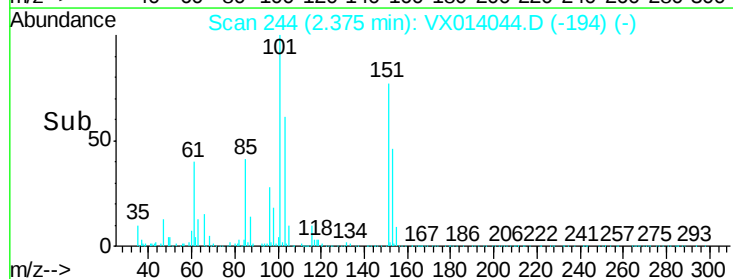
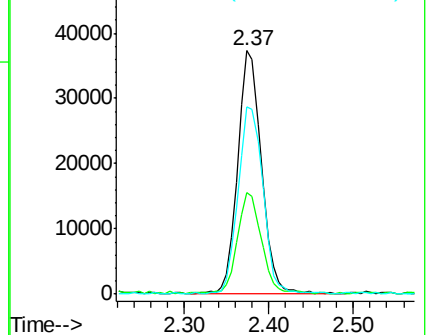
151 80.1 64.5 96.7

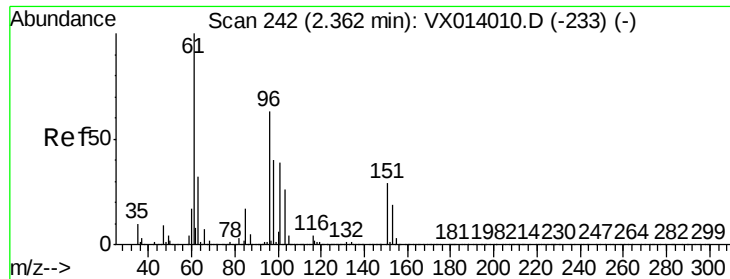


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 4.155 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20191206

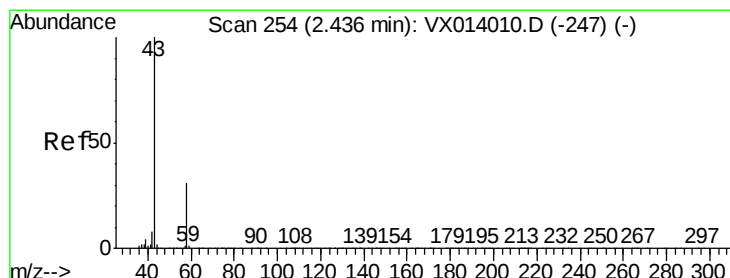
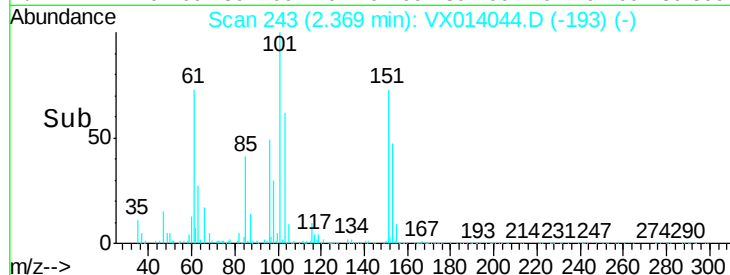
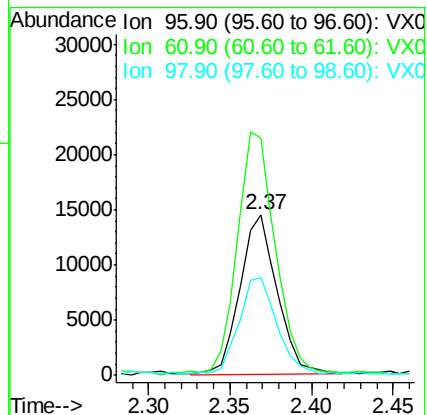
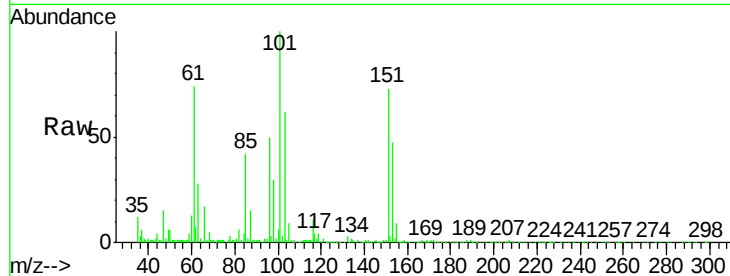
Tot Ion: 96 Resp: 22858

Ion Ratio Lower Upper

96 100

61 147.3 127.9 191.9

98 60.4 50.5 75.7



#16

Acetone

Concen: 1.894 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014044.D

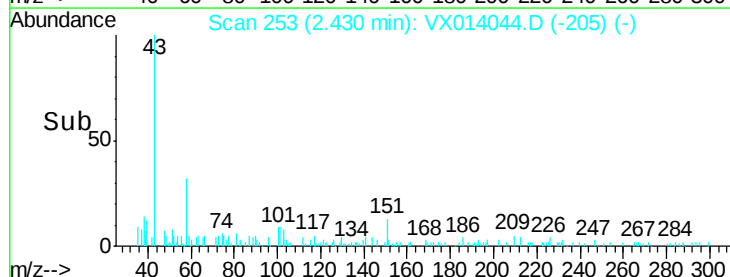
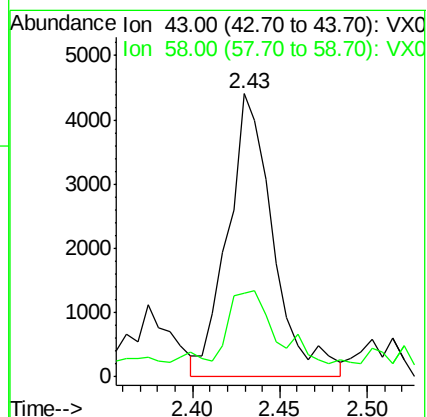
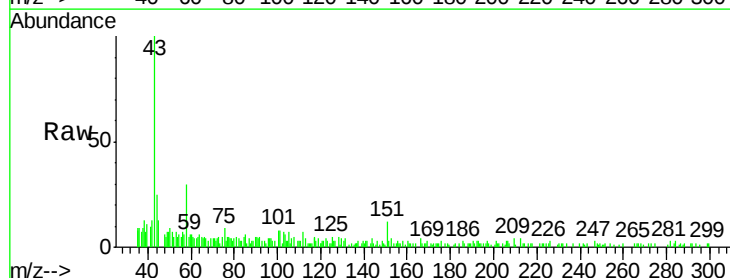
Acq: 16 Dec 2019 18:43

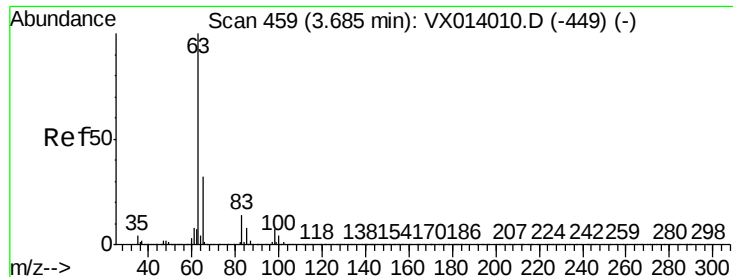
Tgt Ion: 43 Resp: 7969

Ion Ratio Lower Upper

43 100

58 24.5 24.9 37.3#





#24

1,1-Dichloroethane

Concen: 1.048 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20191206

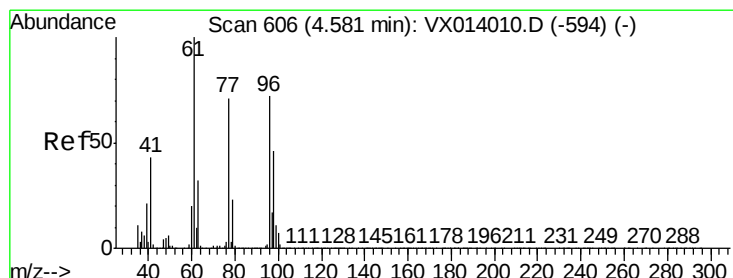
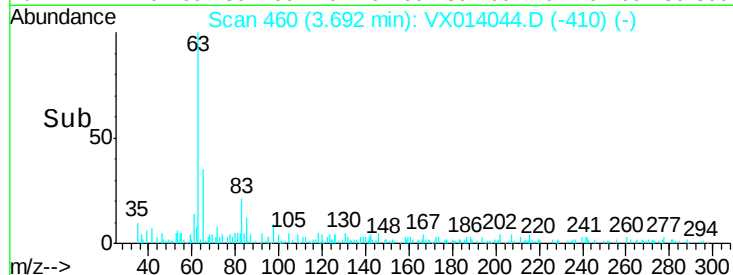
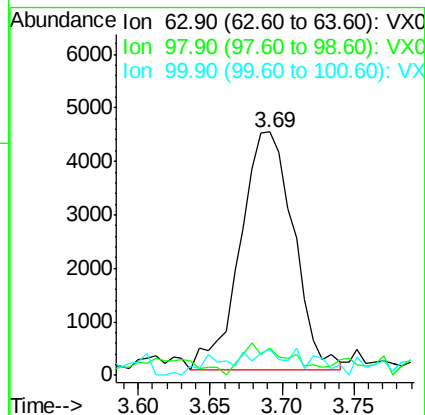
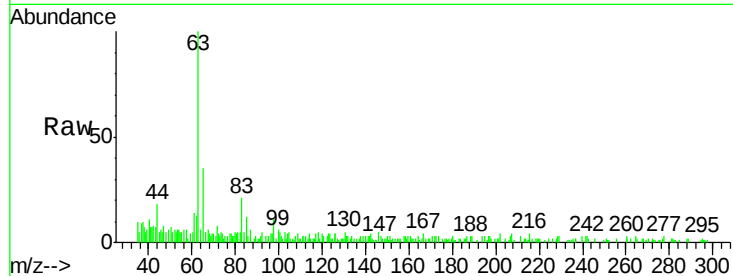
Tot Ion: 63 Resp: 11410

Ion Ratio Lower Upper

63 100

98 5.3 3.6 10.8

100 7.3 2.3 6.8#



#27

cis-1,2-Dichloroethene

Concen: 2.403 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

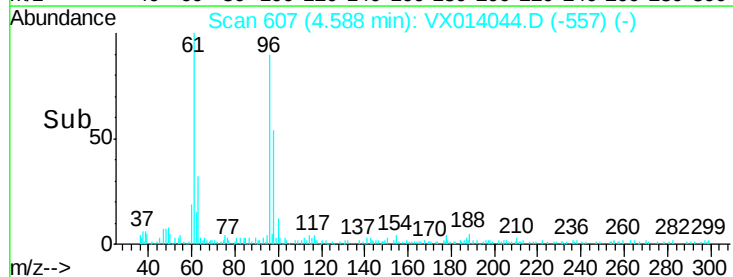
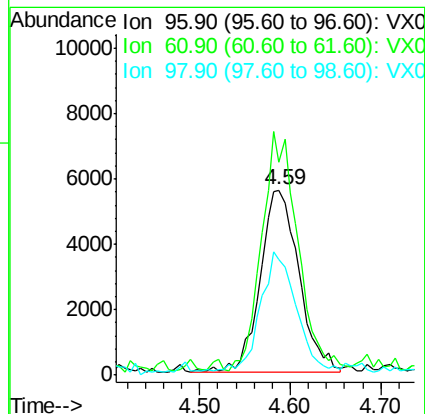
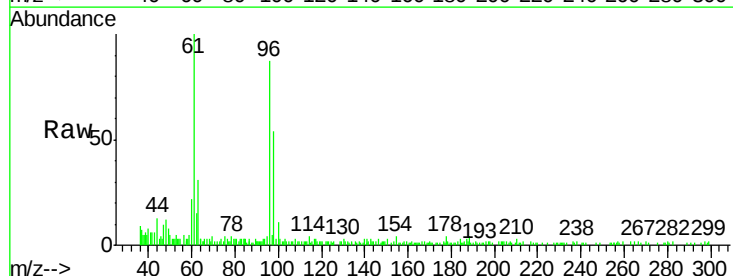
Tgt Ion: 96 Resp: 16468

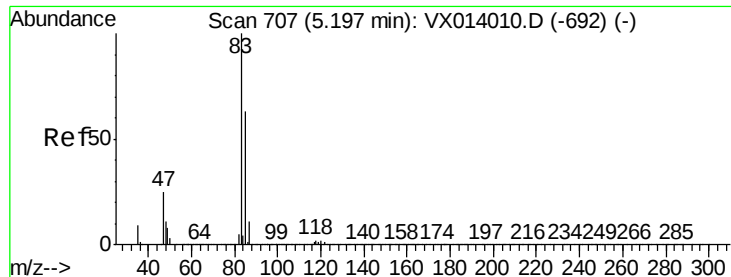
Ion Ratio Lower Upper

96 100

61 122.1 0.0 288.4

98 61.5 0.0 129.6





#30

Chloroform

Concen: 1.514 ug/l

RT: 5.20 min Scan# 707

Delta R.T. 0.00 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

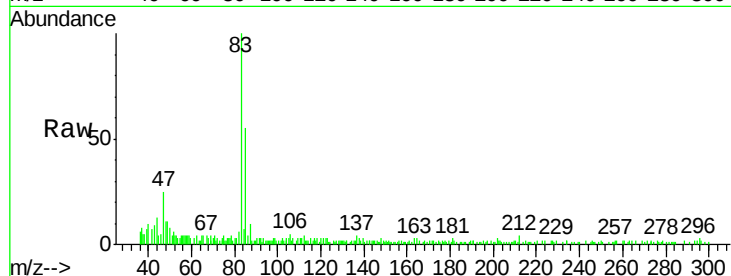
RE105D2-20191206

Tot Ion: 83 Resp: 15627

Ion Ratio Lower Upper

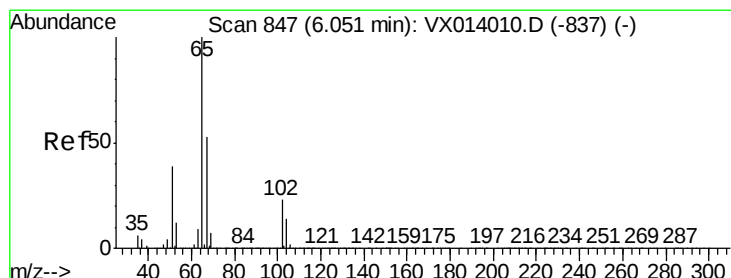
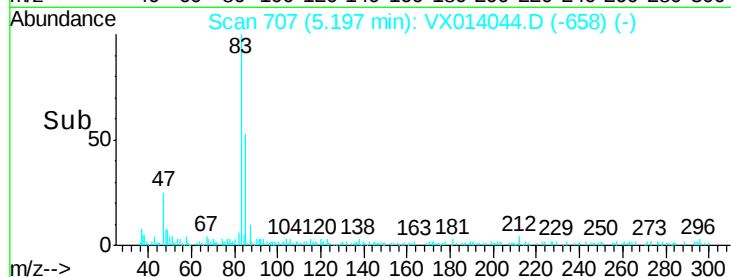
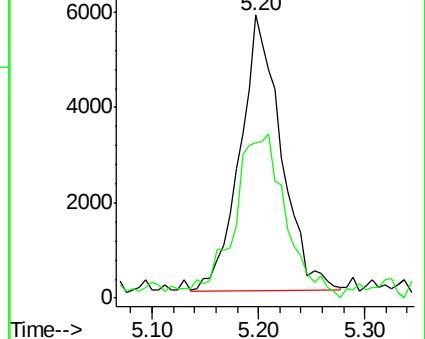
83 100

85 57.0 50.8 76.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.297 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014044.D

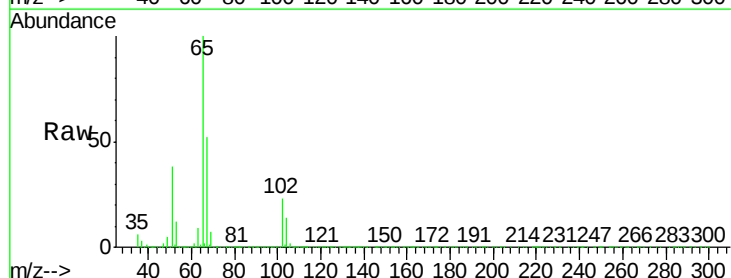
Acq: 16 Dec 2019 18:43

Tgt Ion: 65 Resp: 319495

Ion Ratio Lower Upper

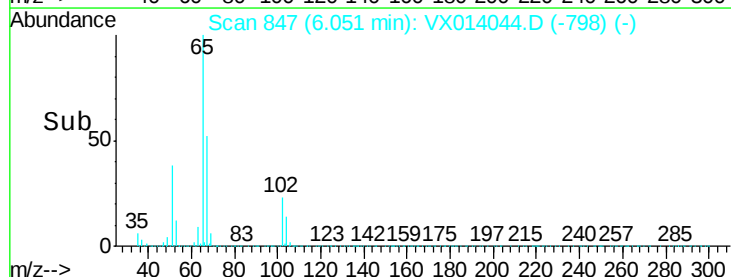
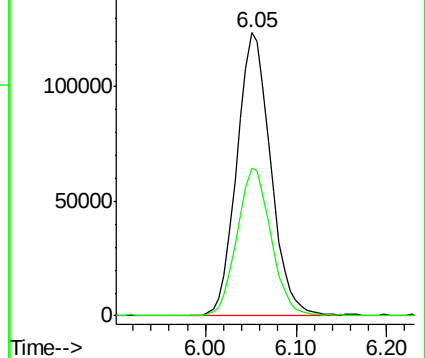
65 100

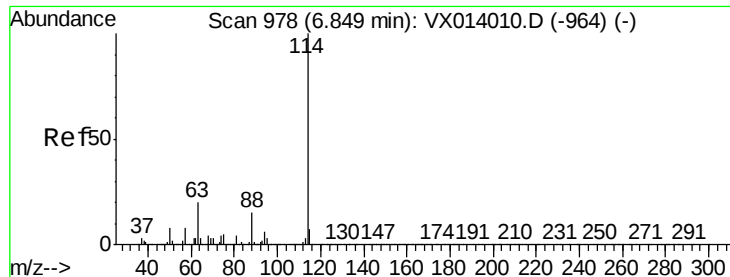
67 52.2 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

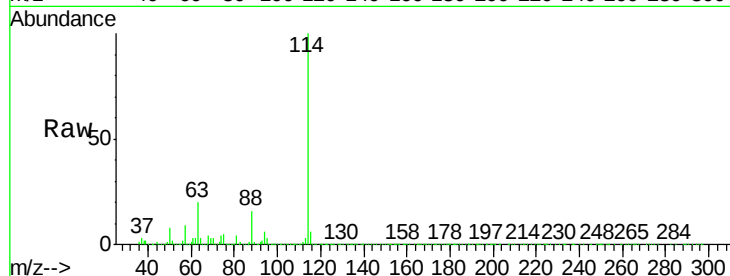




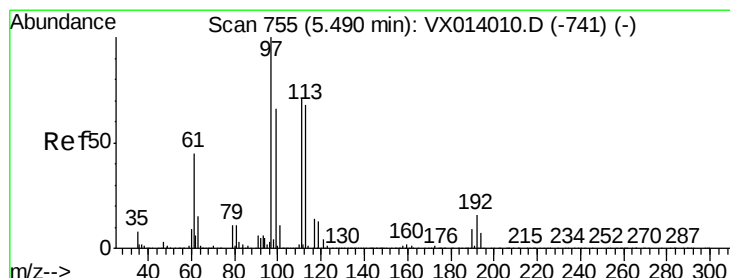
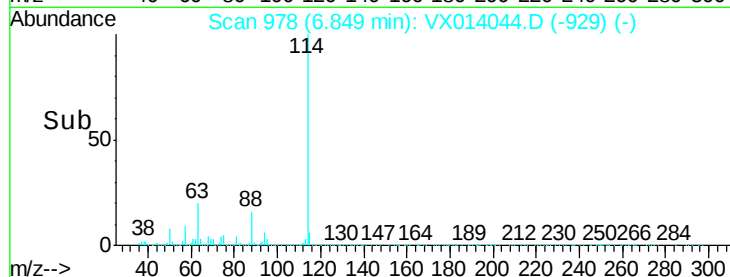
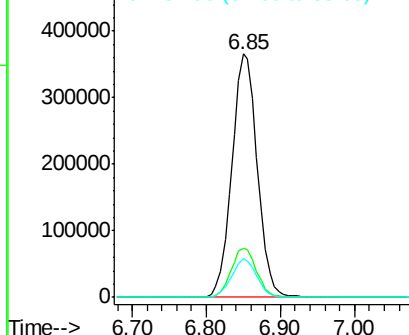
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX014044.D
Acq: 16 Dec 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20191206

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	16.1	0.0	30.4

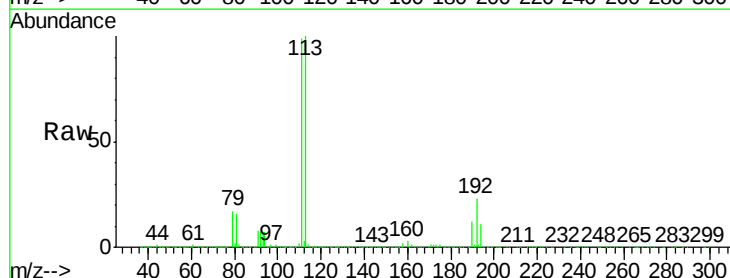


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

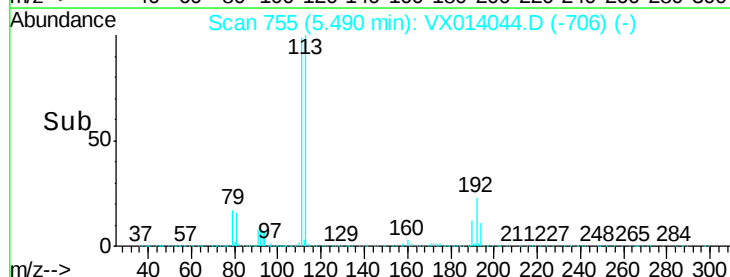
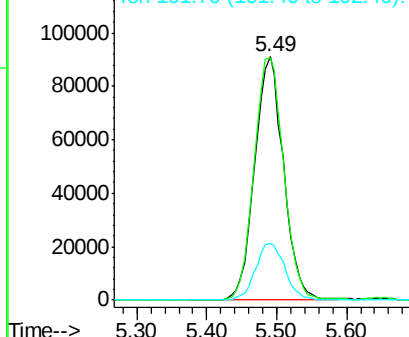


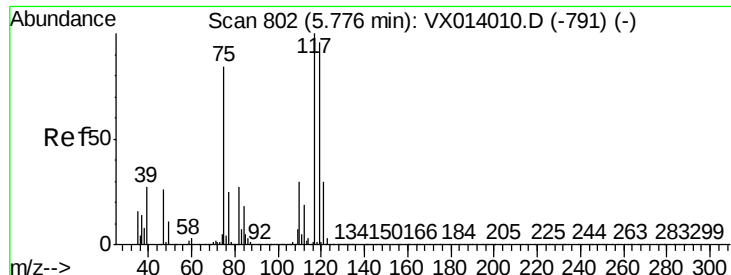
#35
Dibromofluoromethane
Concen: 49.179 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014044.D
Acq: 16 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	23.4	19.3	28.9



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: 2.547 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20191206

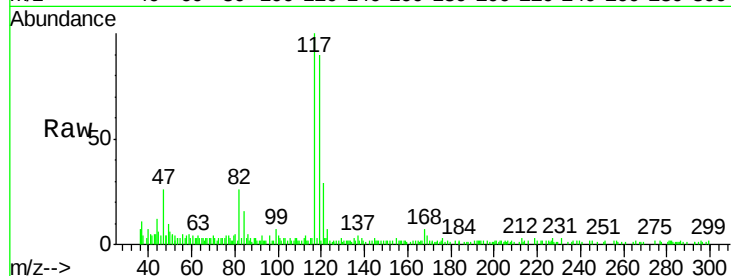
Tot Ion:117 Resp: 18585

Ion Ratio Lower Upper

117 100

119 88.9 76.2 114.4

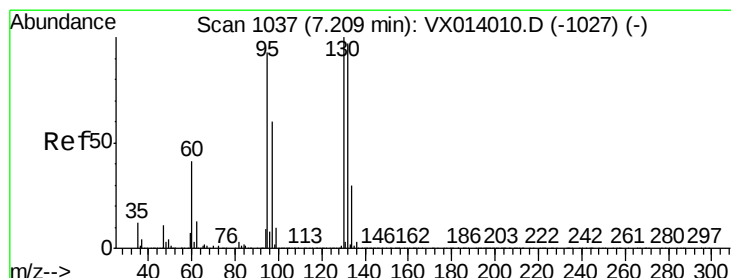
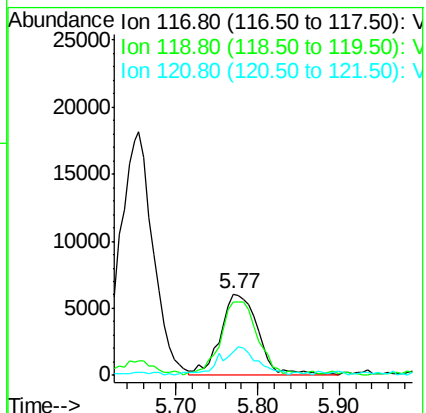
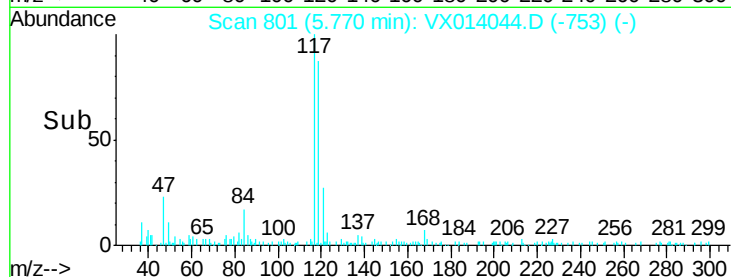
121 25.3 23.6 35.4



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: 1293.138 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014044.D

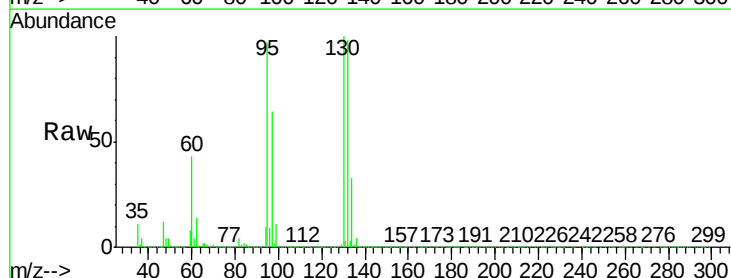
Acq: 16 Dec 2019 18:43

Tgt Ion:130 Resp: 8803196

Ion Ratio Lower Upper

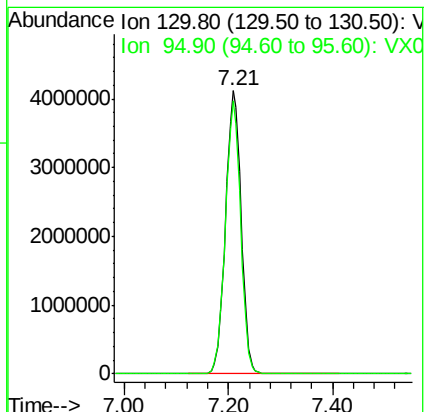
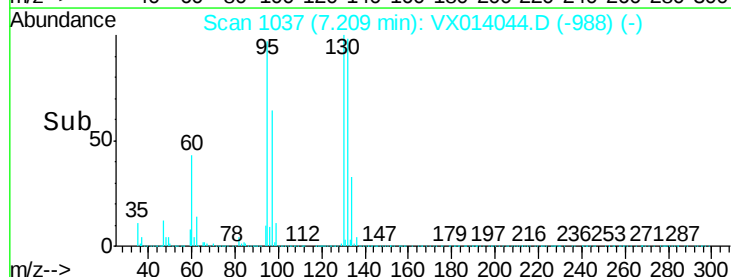
130 100

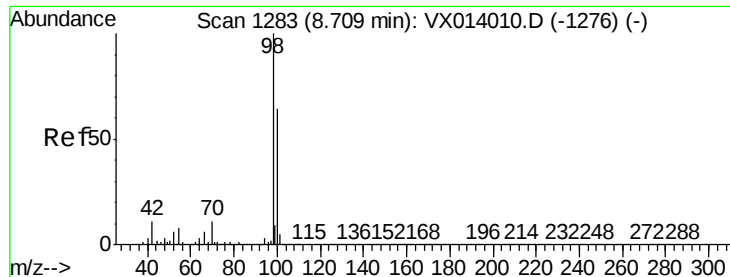
95 96.7 0.0 185.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.177 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

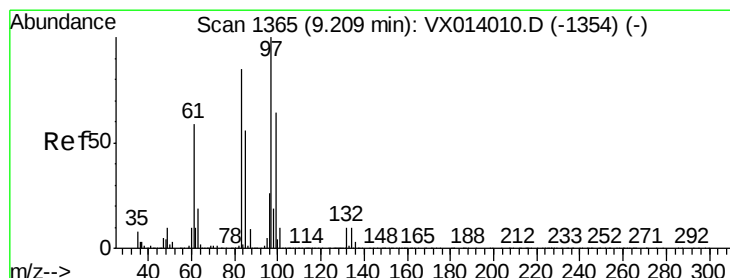
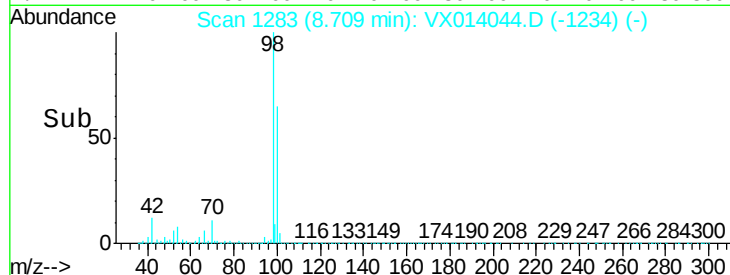
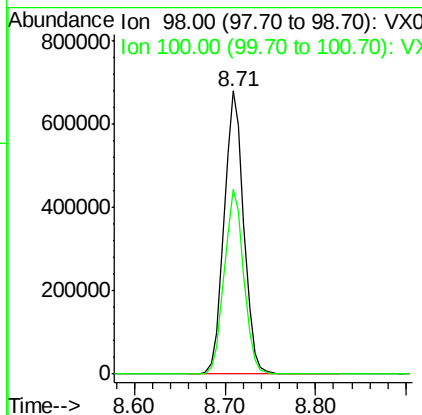
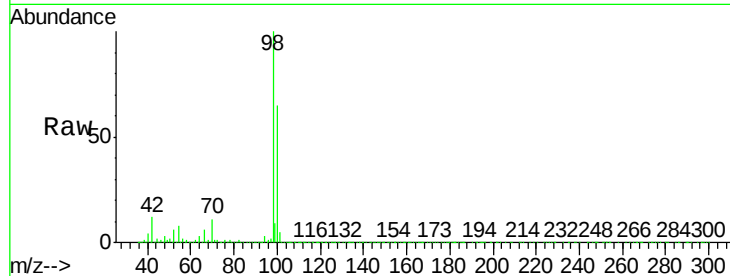
RE105D2-20191206

Tot Ion: 98 Resp: 1036707

Ion Ratio Lower Upper

98 100

100 64.8 52.9 79.3



#55

1,1,2-Trichloroethane

Concen: 0.973 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Tgt Ion: 97 Resp: 6075

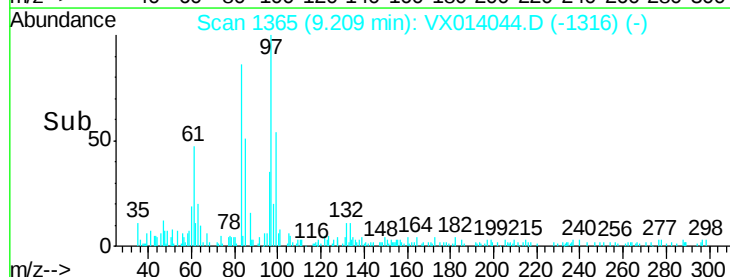
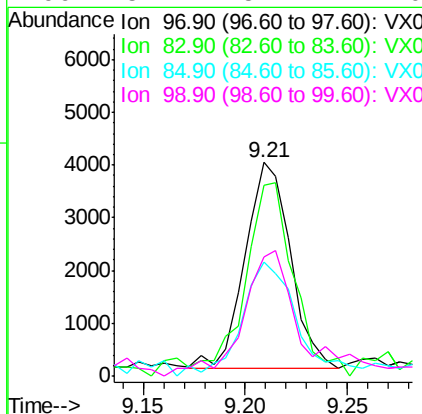
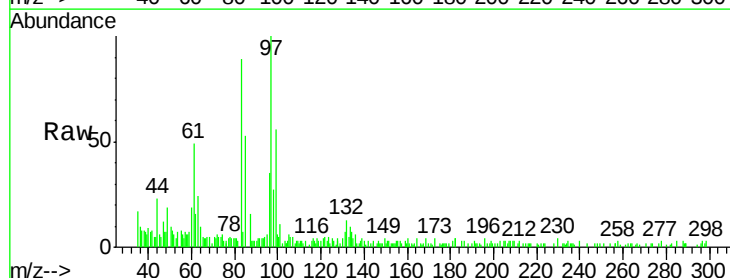
Ion Ratio Lower Upper

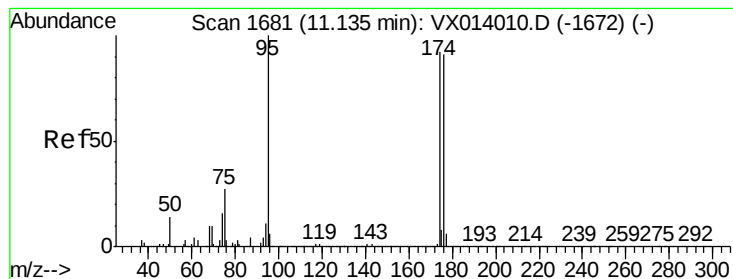
97 100

83 88.3 68.2 102.4

85 50.1 44.6 66.8

99 54.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 44.616 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014044.D

Acq: 16 Dec 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

RE105D2-20191206

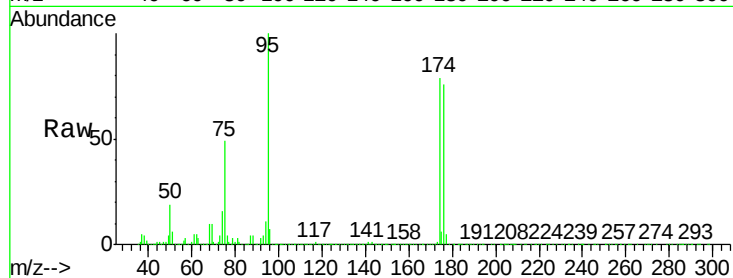
Tot Ion: 95 Resp: 336961

Ion Ratio Lower Upper

95 100

174 89.0 0.0 175.8

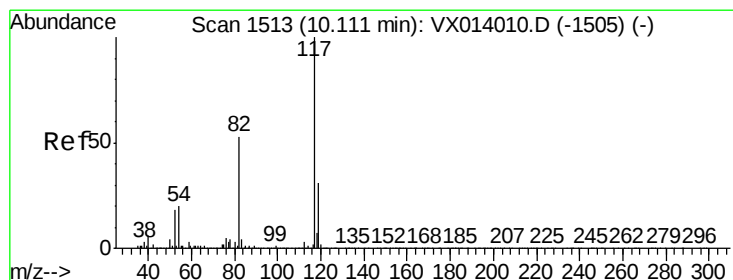
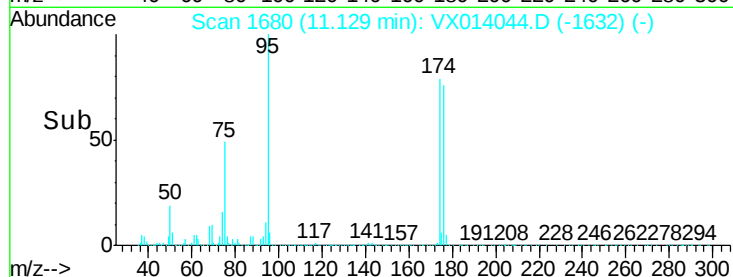
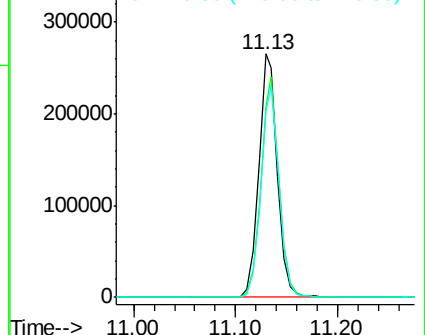
176 85.8 0.0 173.0



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: VX014044.D

Acq: 16 Dec 2019 18:43

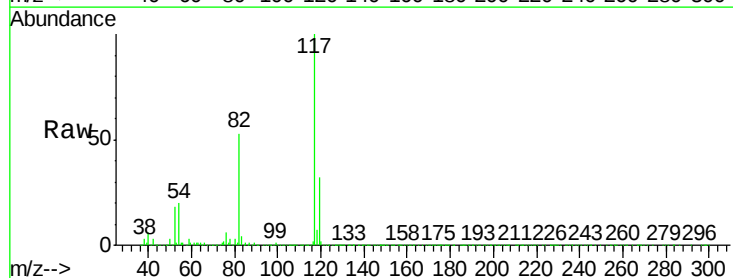
Tgt Ion: 117 Resp: 774632

Ion Ratio Lower Upper

117 100

82 53.5 42.2 63.4

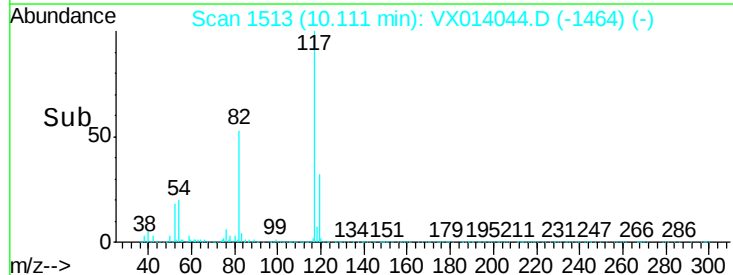
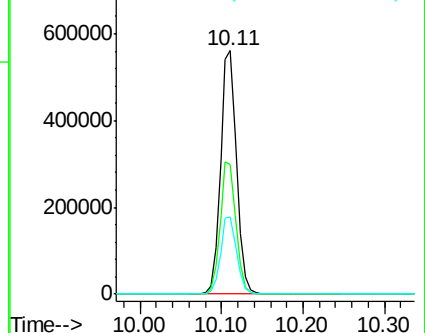
119 31.6 25.1 37.7

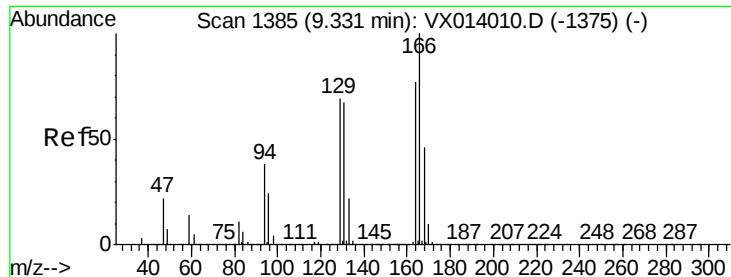


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

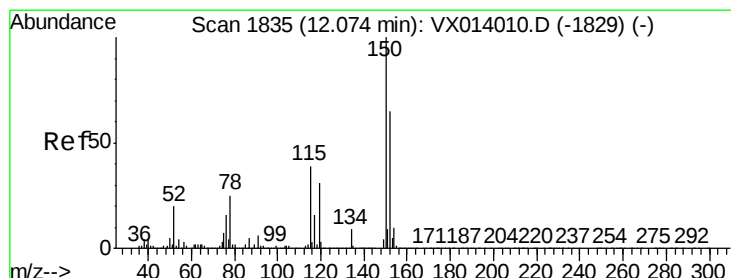
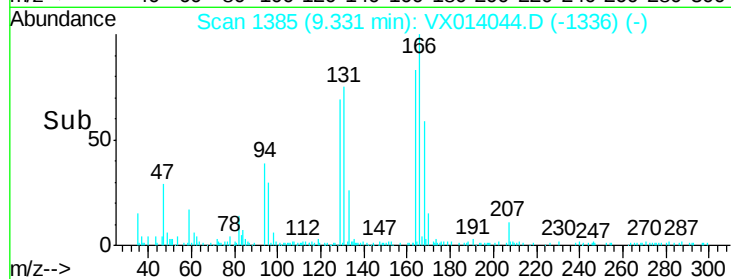
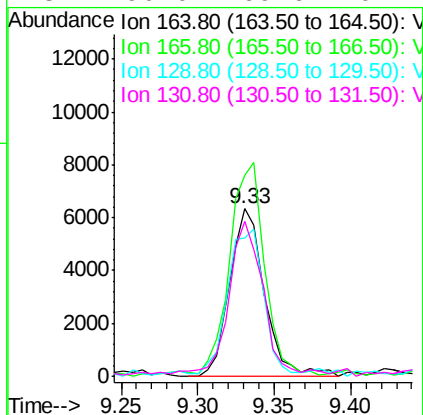
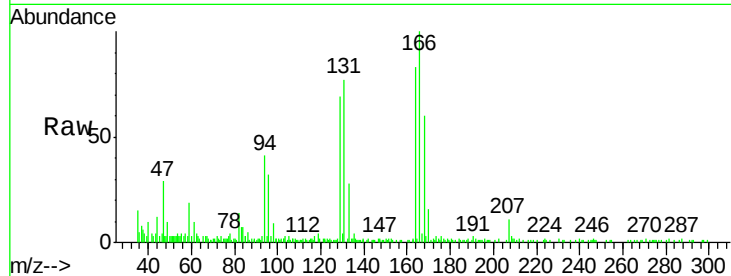




#64
Tetrachloroethene
Concen: 1.463 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014044.D
Acq: 16 Dec 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
RE105D2-20191206

Tot Ion	Ratio	Lower	Upper
164	100		
166	118.5	104.0	156.0
129	81.8	72.2	108.4
131	90.0	69.6	104.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014044.D
Acq: 16 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.3	114.9
150	155.7	0.0	345.4

