

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\
 Data File : VX013911.D
 Acq On : 10 Dec 2019 20:17
 Operator : JC/SP
 Sample : K6185-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20191205

Quant Time: Dec 11 06:39:29 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	583401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	897537	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	800209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	347834	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	335222	49.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.00%	
35) Dibromofluoromethane	5.49	113	270621	48.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	1061580	49.11	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	11.14	95	349822	44.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.74%	

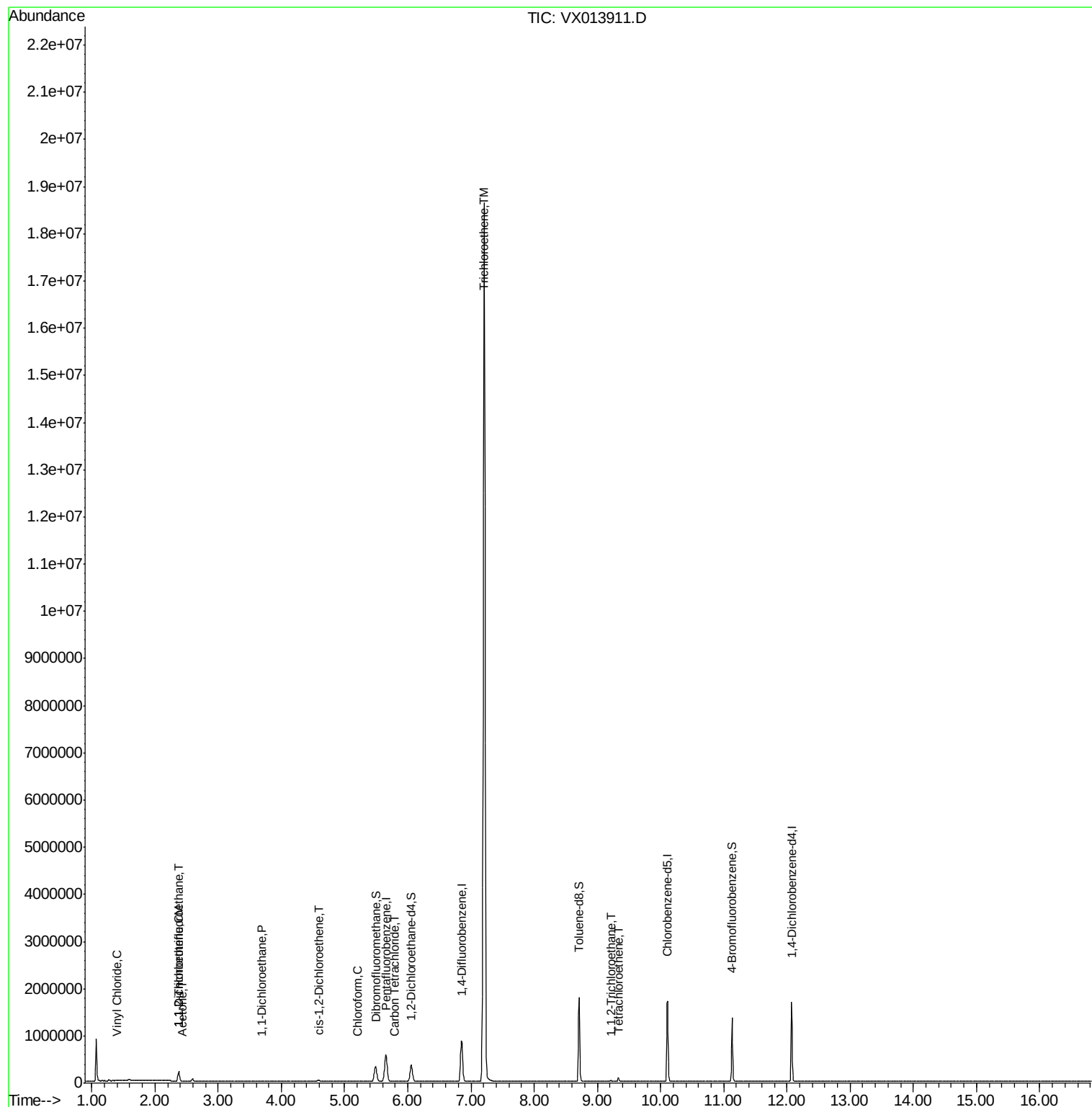
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	4661	0.568	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	66623	11.978	ug/l	99
12) 1,1-Dichloroethene	2.37	96	26396	4.754	ug/l	95
16) Acetone	2.43	43	8648	2.587	ug/l #	79
24) 1,1-Dichloroethane	3.69	63	14919	1.407	ug/l #	92
27) cis-1,2-Dichloroethene	4.59	96	19003	2.736	ug/l	93
30) Chloroform	5.20	83	9758	0.907	ug/l #	83
38) Carbon Tetrachloride	5.79	117	8332	1.109	ug/l #	73
44) Trichloroethene	7.21	130	7136033	1047.846	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	5114	0.823	ug/l	95
64) Tetrachloroethene	9.33	164	14229	2.384	ug/l	92

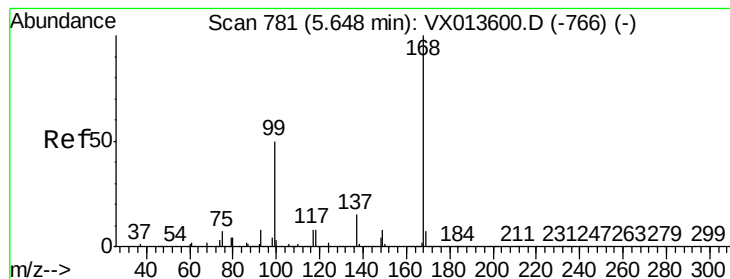
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

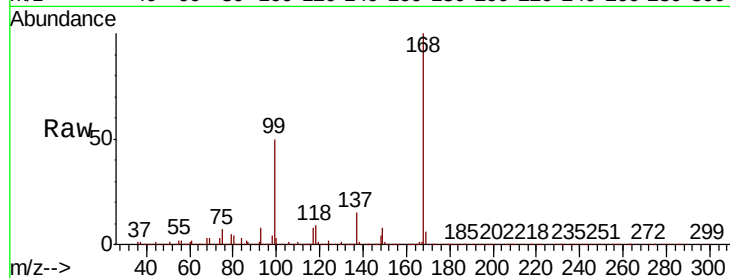
TT101D2-20191205

Tot Ion:168 Resp: 583401

Ion Ratio Lower Upper

168 100

99 50.3 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

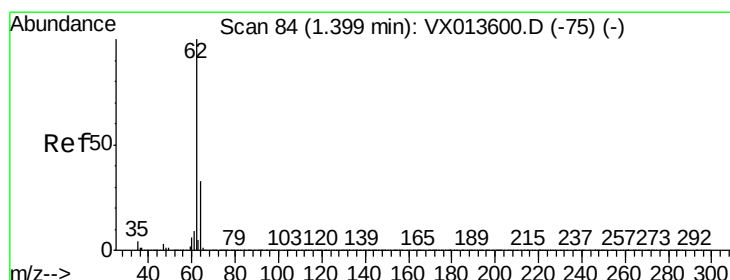
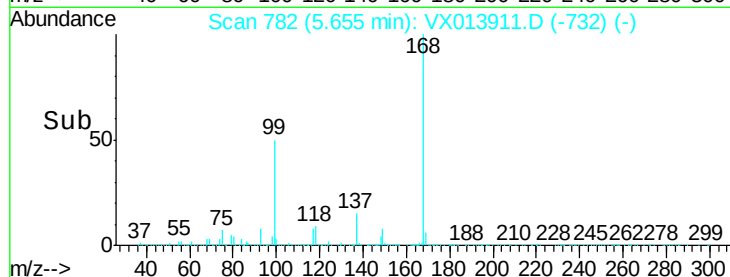
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.568 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013911.D

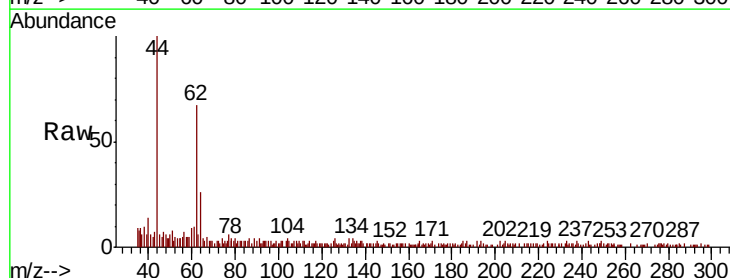
Acq: 10 Dec 2019 20:17

Tgt Ion: 62 Resp: 4661

Ion Ratio Lower Upper

62 100

64 27.7 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

5000

4000

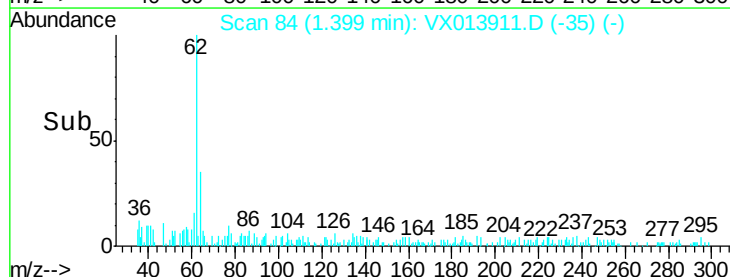
3000

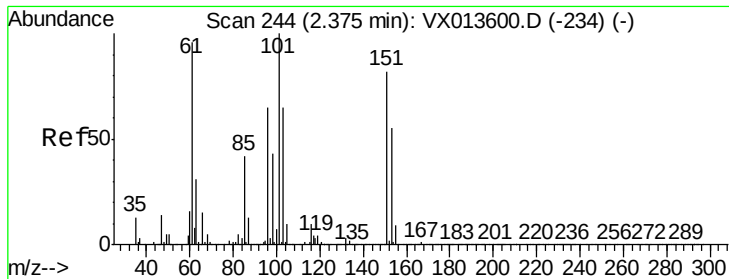
2000

1000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.978 ug/l

RT: 2.38 min Scan# 245

Delta R.T. 0.01 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20191205

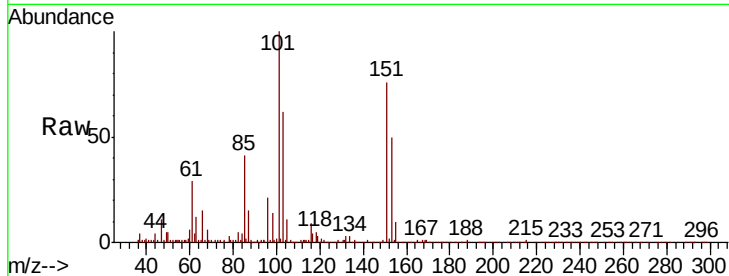
Tot Ion:101 Resp: 66623

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

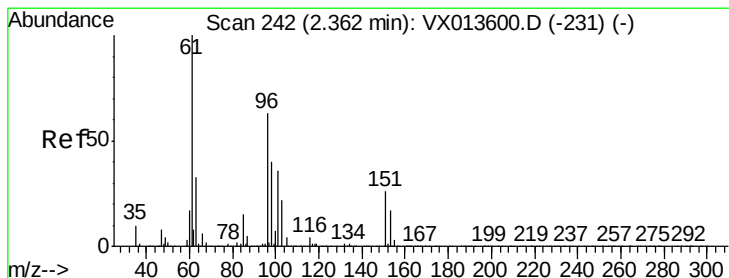
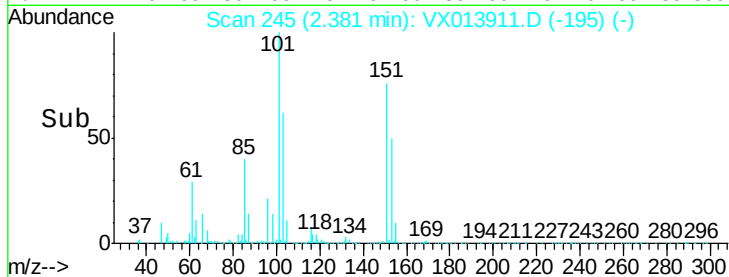
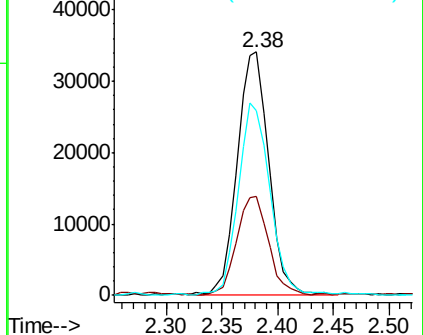
151 79.5 64.2 96.2



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



#12

1,1-Dichloroethene

Concen: 4.754 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

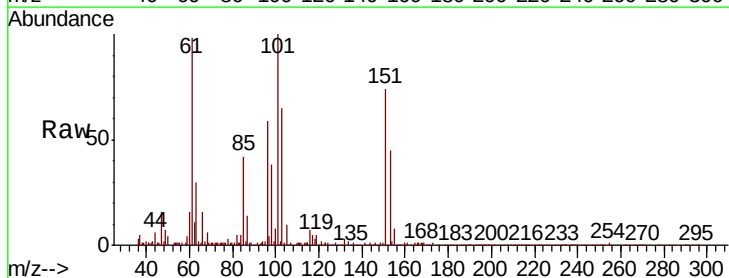
Tgt Ion: 96 Resp: 26396

Ion Ratio Lower Upper

96 100

61 166.5 126.6 190.0

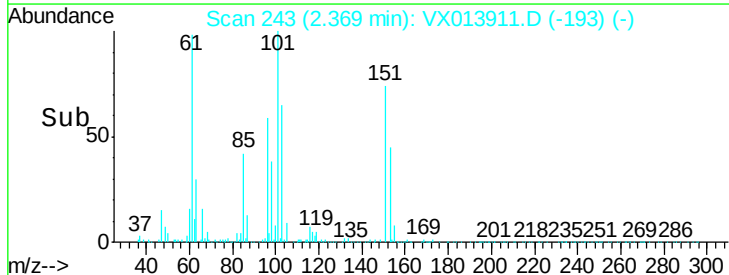
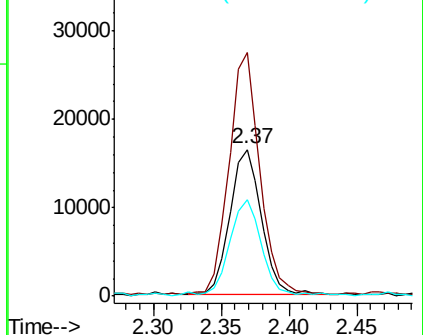
98 65.0 50.6 76.0

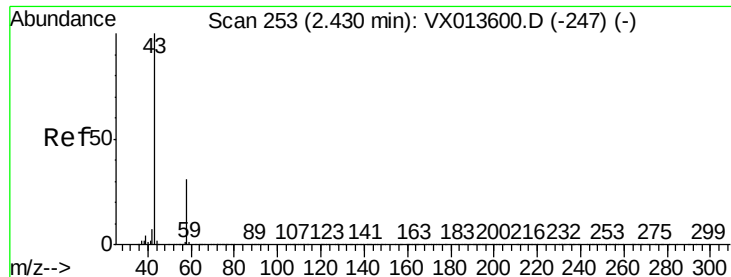


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 2.587 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

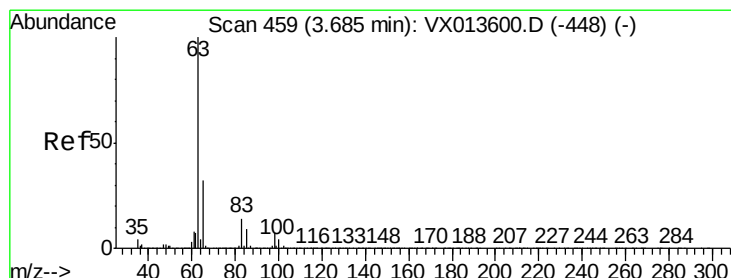
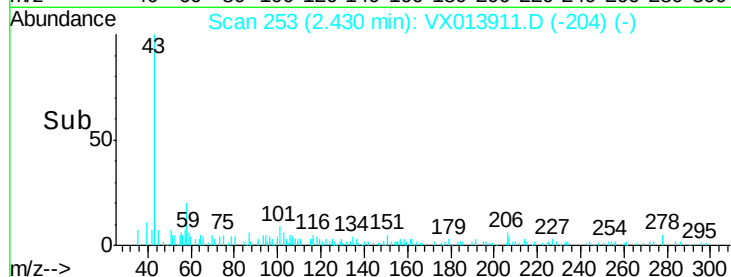
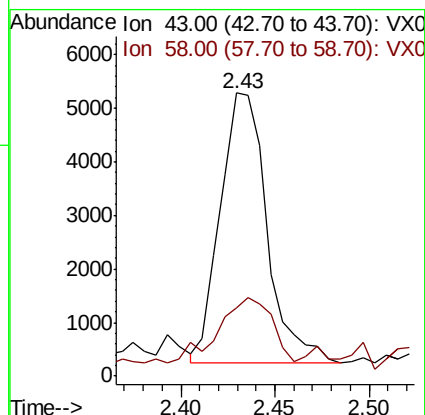
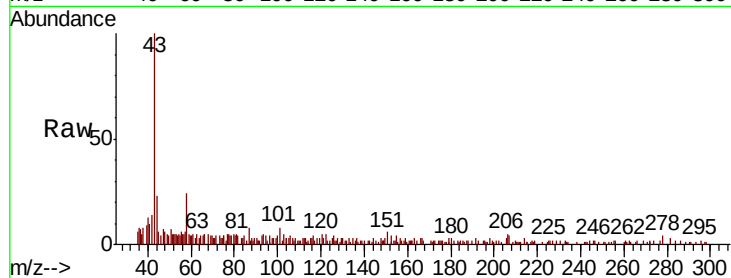
TT101D2-20191205

Tot Ion: 43 Resp: 8648

Ion Ratio Lower Upper

43 100

58 19.0 24.6 36.8#



#24

1,1-Dichloroethane

Concen: 1.407 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

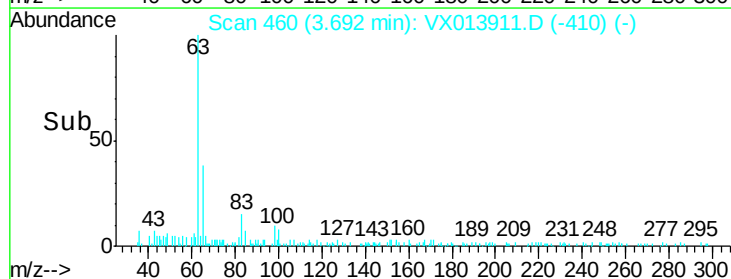
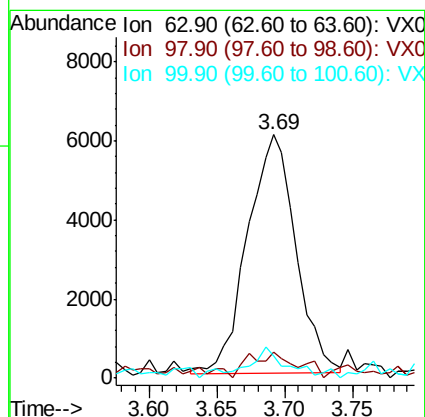
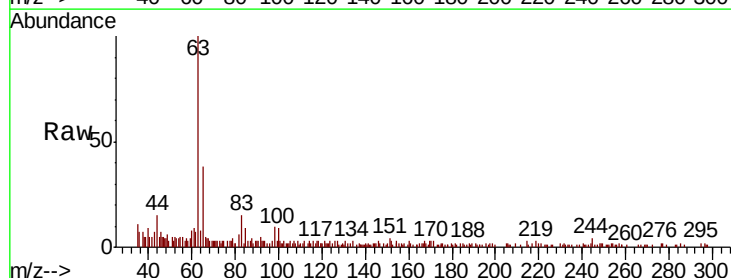
Tgt Ion: 63 Resp: 14919

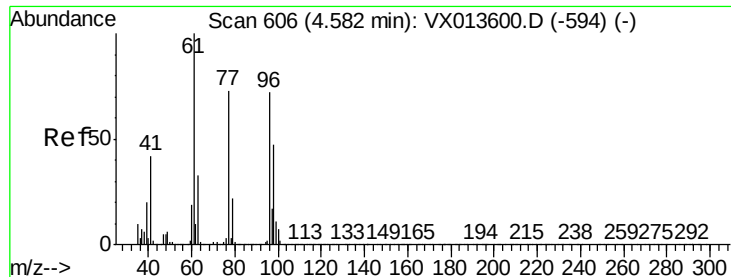
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.4

100 9.5 2.1 6.3#



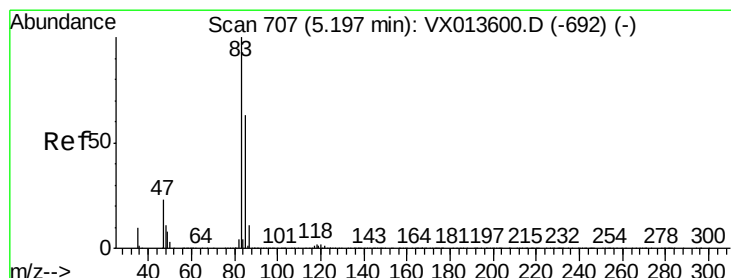
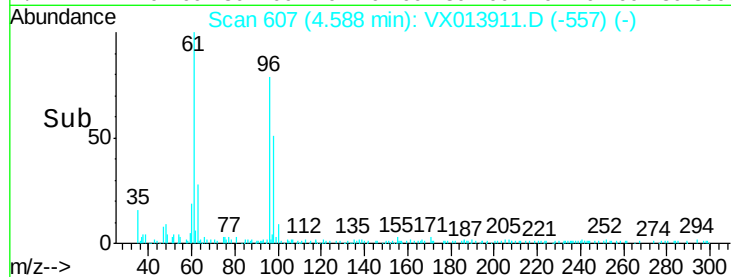
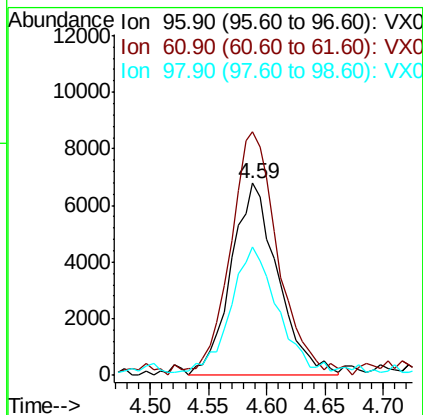
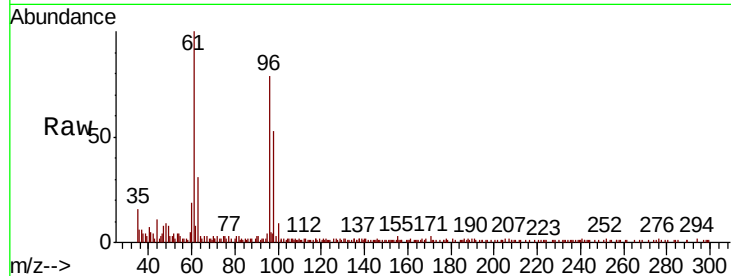


#27

cis-1,2-Dichloroethene
Concen: 2.736 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013911.D
Acq: 10 Dec 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20191205

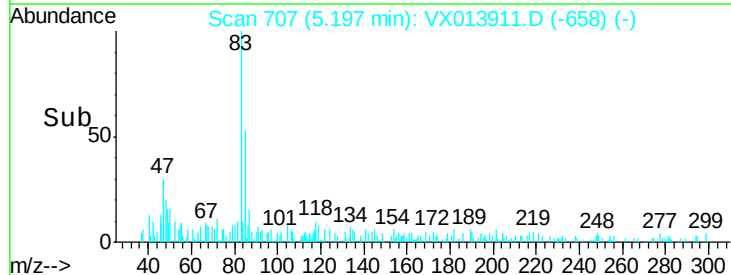
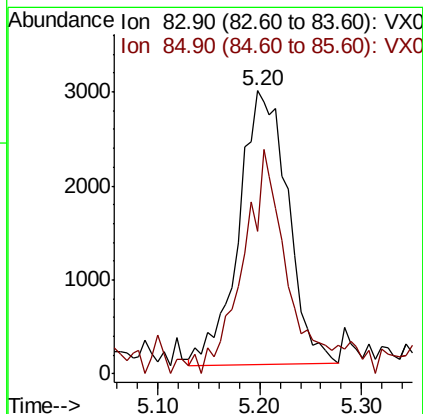
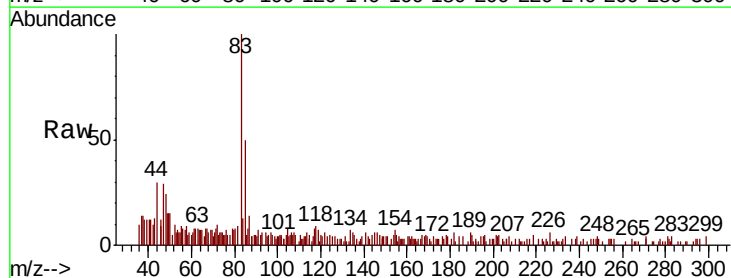
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	286.4
98	63.5	0.0	127.4

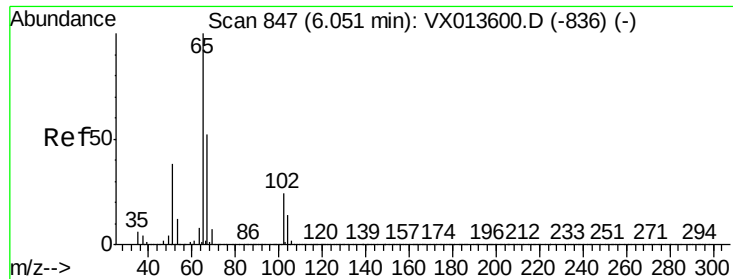


#30

Chloroform
Concen: 0.907 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013911.D
Acq: 10 Dec 2019 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	49.9	50.2	75.4#

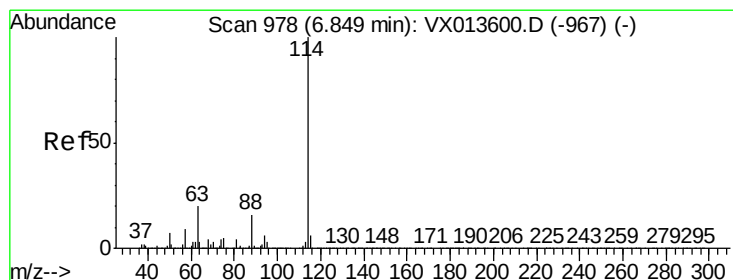
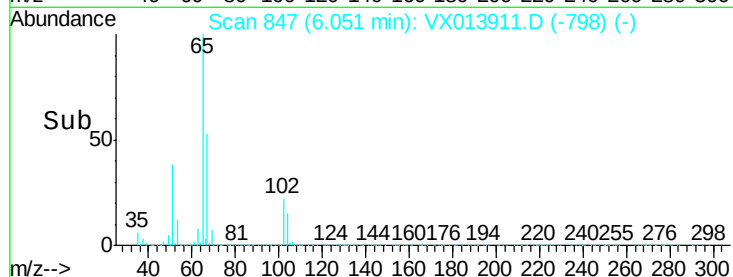
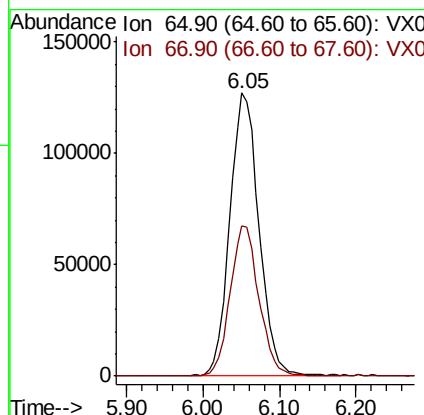
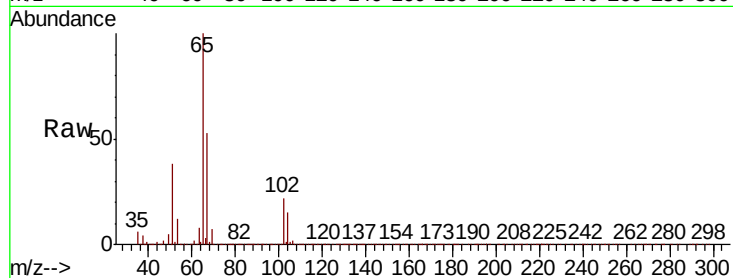




#33
 1,2-Dichloroethane-d4
 Concen: 49.501 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX013911.D
 Acq: 10 Dec 2019 20:17

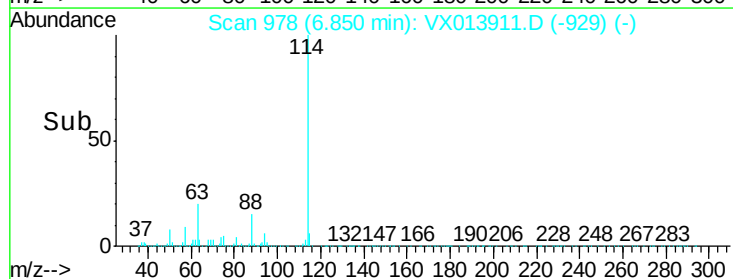
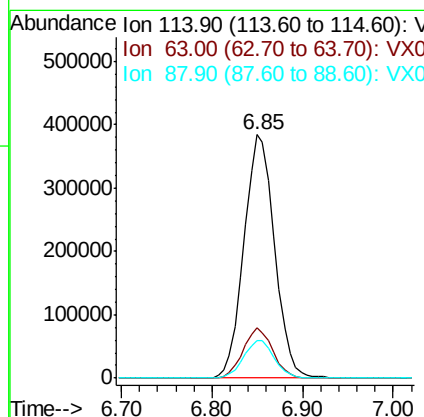
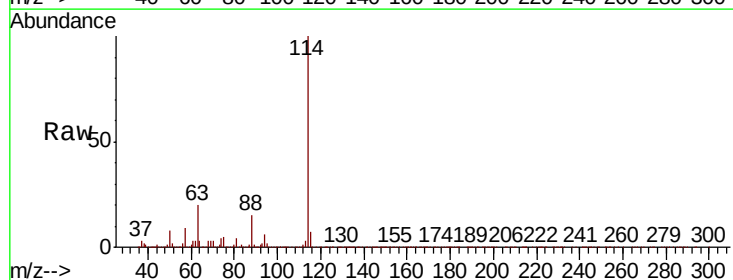
Instrument :
 MSVOA_X
 ClientSampleId :
 TT101D2-20191205

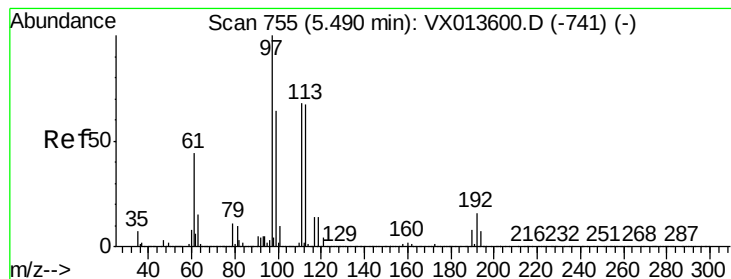
Tot Ion: 65 Resp: 335222
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013911.D
 Acq: 10 Dec 2019 20:17

Tgt Ion: 114 Resp: 897537
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.772 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20191205

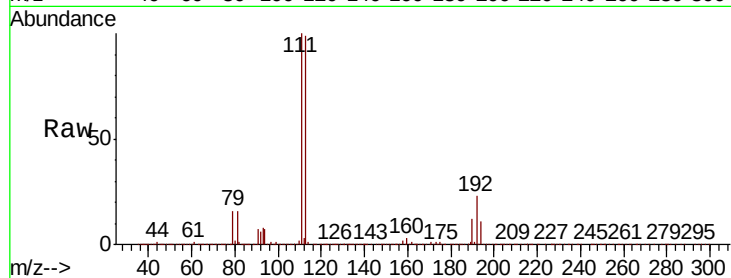
Tot Ion:113 Resp: 270621

Ion Ratio Lower Upper

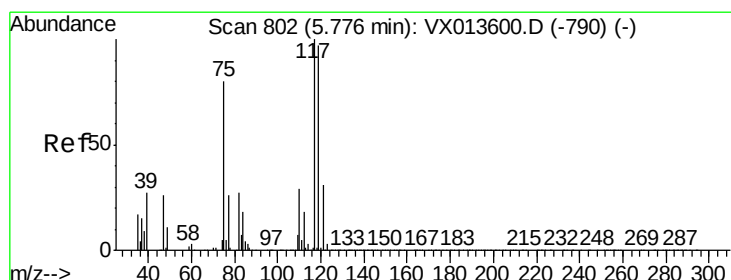
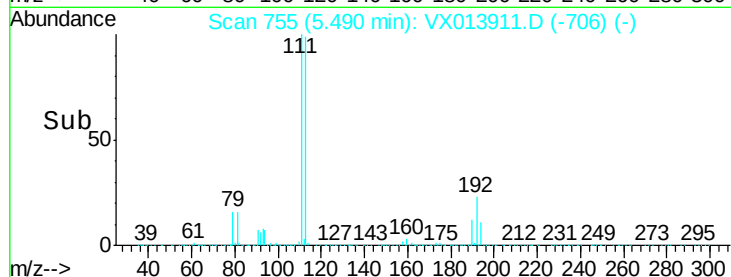
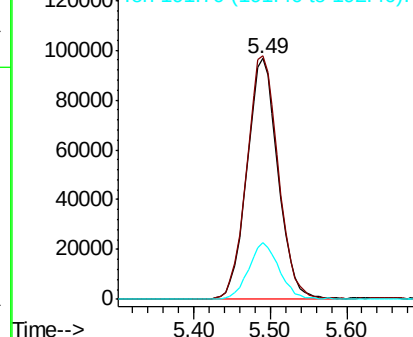
113 100

111 103.0 83.6 125.4

192 23.0 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: 1.109 ug/l

RT: 5.79 min Scan# 804

Delta R.T. 0.01 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

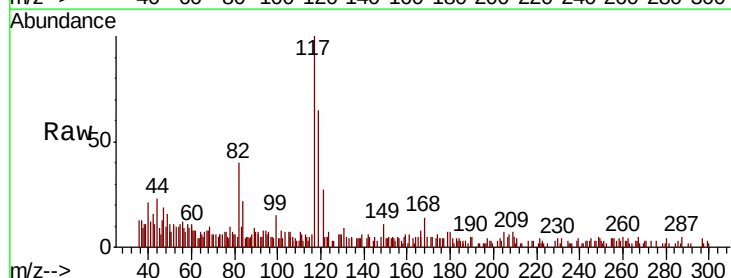
Tgt Ion:117 Resp: 8332

Ion Ratio Lower Upper

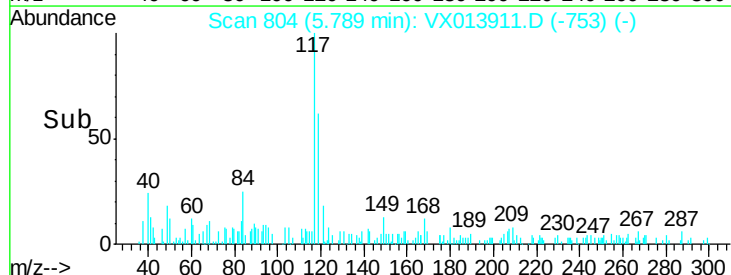
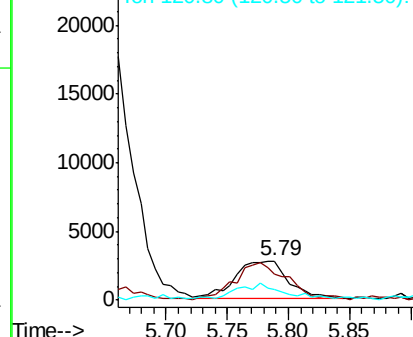
117 100

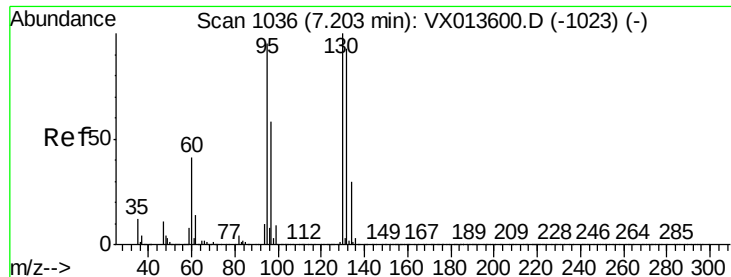
119 66.2 77.5 116.3#

121 23.0 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: 1047.846 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

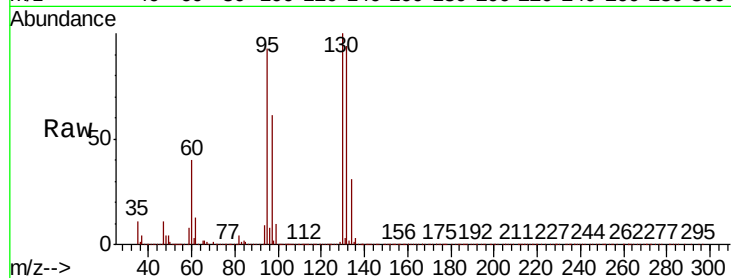
TT101D2-20191205

Tot Ion:130 Resp: 7136033

Ion Ratio Lower Upper

130 100

95 93.2 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

4000000 Ion 94.90 (94.60 to 95.60): VX0

3000000

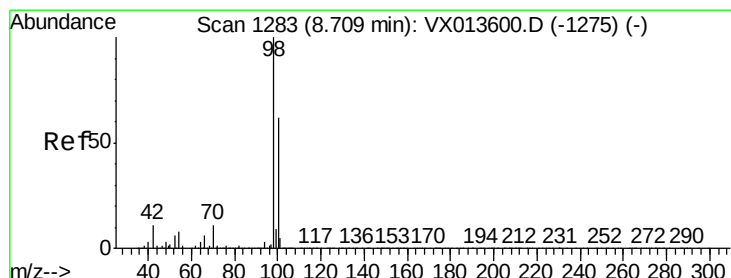
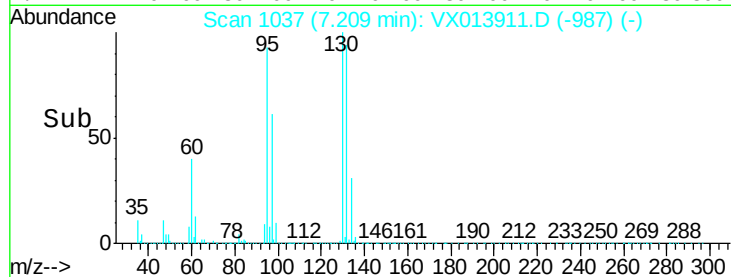
2000000

1000000

0

Time--> 7.00 7.20 7.40

7.21



#50

Toluene-d8

Concen: 49.106 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013911.D

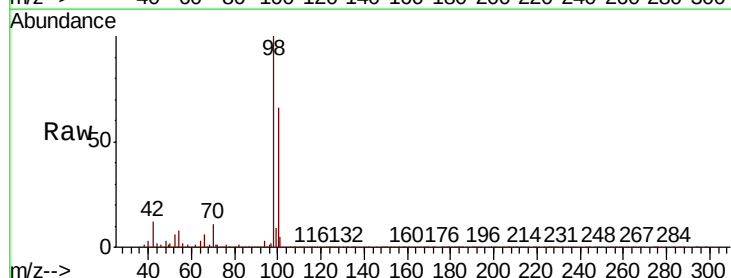
Acq: 10 Dec 2019 20:17

Tgt Ion: 98 Resp: 1061580

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

800000 Ion 100.00 (99.70 to 100.70): V

600000

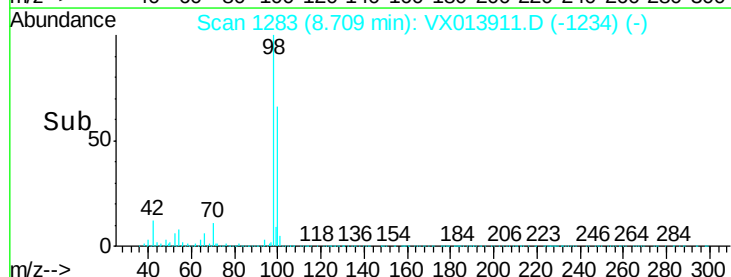
400000

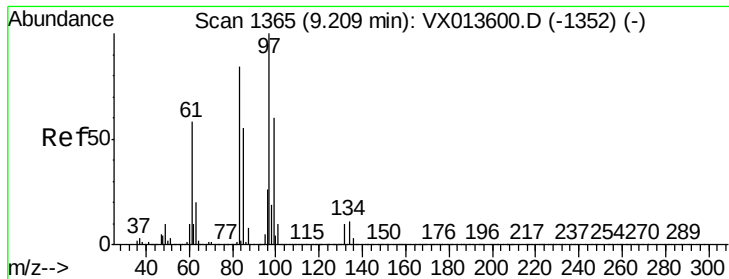
200000

0

Time--> 8.60 8.70 8.80

8.71





#55

1,1,2-Trichloroethane

Concen: 0.823 ug/l

RT: 9.21 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20191205

Tot Ion: 97 Resp: 5114

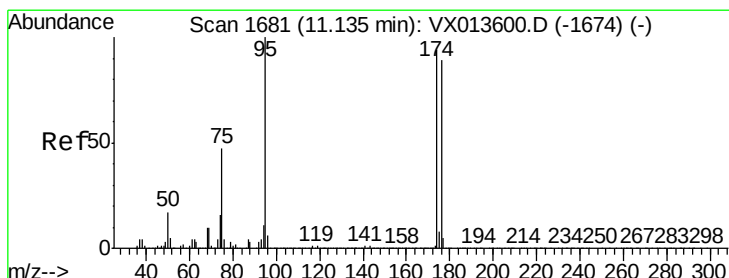
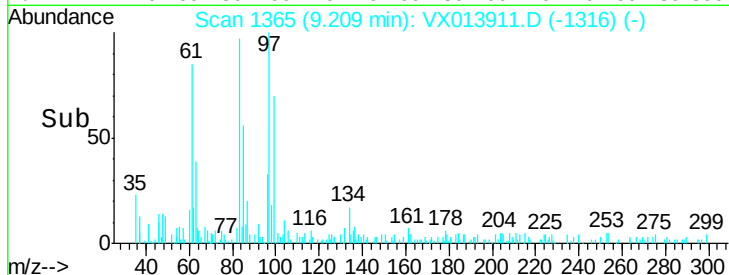
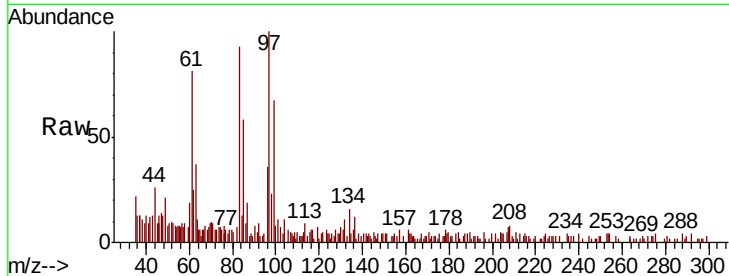
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.3	100.9
85	56.7	43.6	65.4
99	68.0	48.2	72.4

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: 44.874 ug/l

RT: 11.14 min Scan# 1681

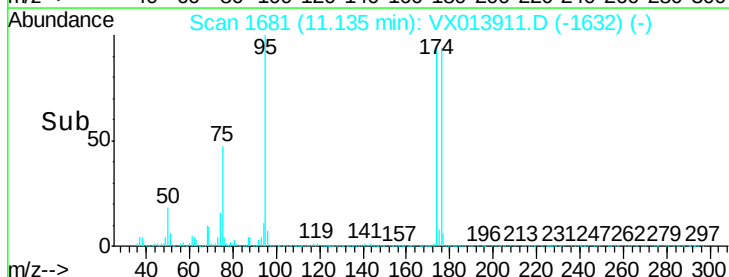
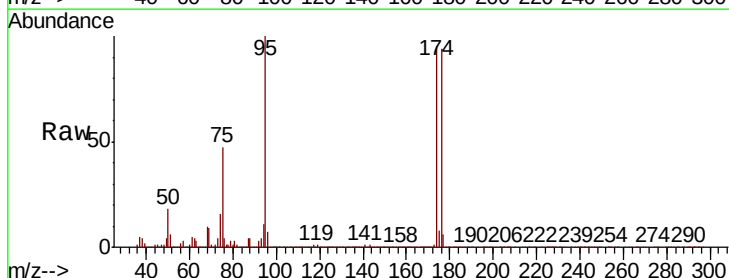
Delta R.T. 0.00 min

Lab File: VX013911.D

Acq: 10 Dec 2019 20:17

Tgt Ion: 95 Resp: 349822

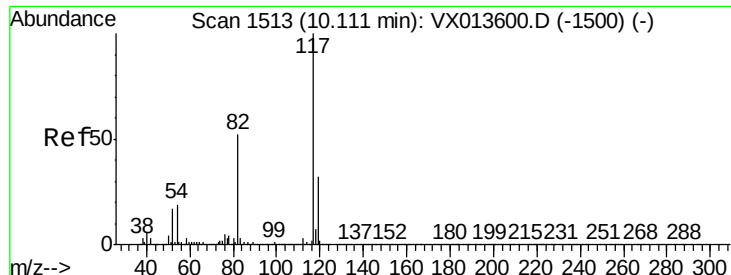
Ion	Ratio	Lower	Upper
95	100		
174	89.9	0.0	180.0
176	89.0	0.0	173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

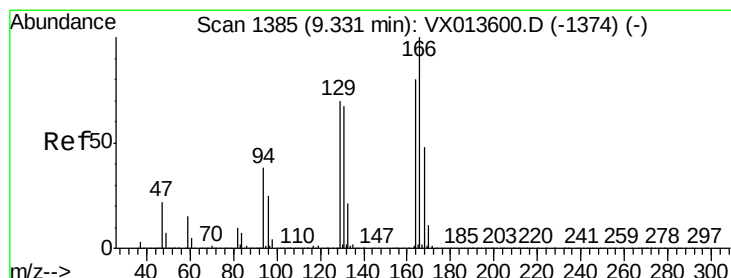
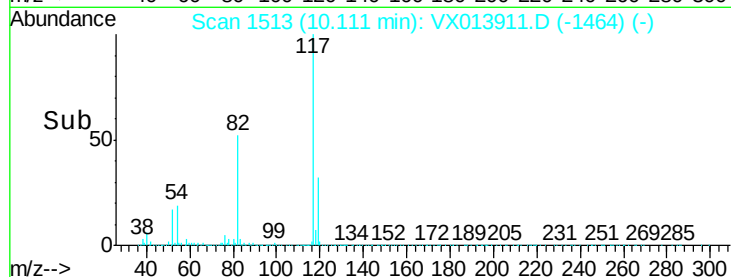
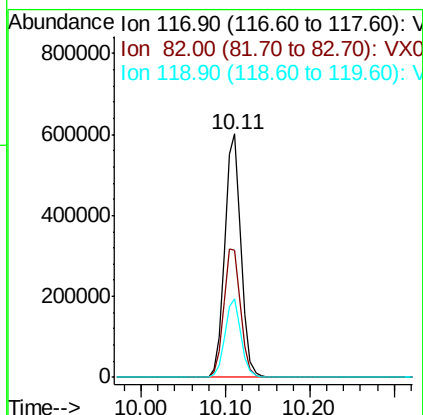
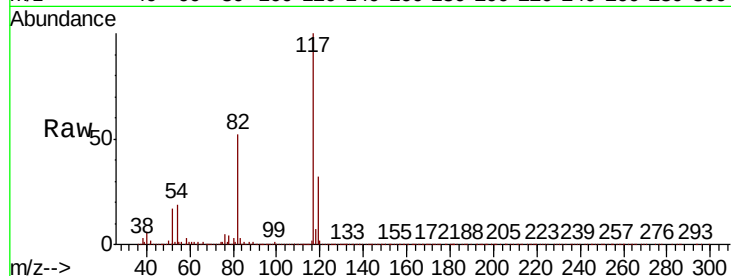
Ion 175.80 (175.50 to 176.50): V



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013911.D
Acq: 10 Dec 2019 20:17

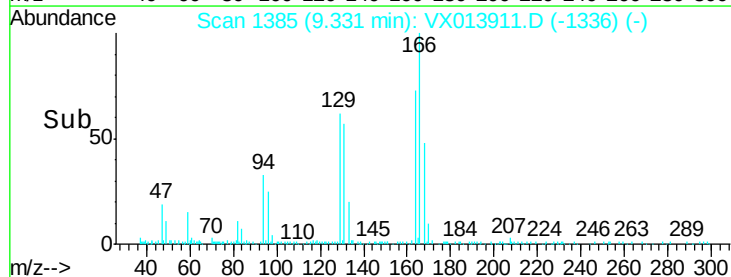
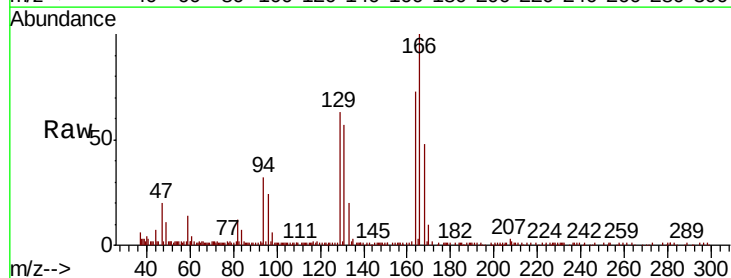
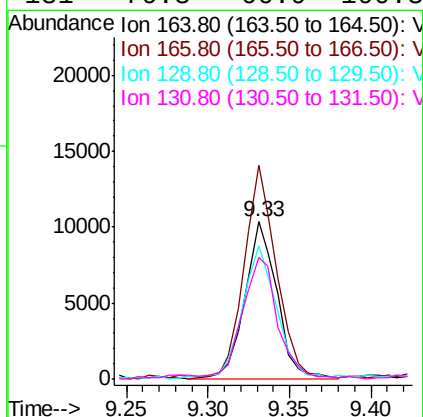
Instrument :
MSVOA_X
ClientSampleId :
TT101D2-20191205

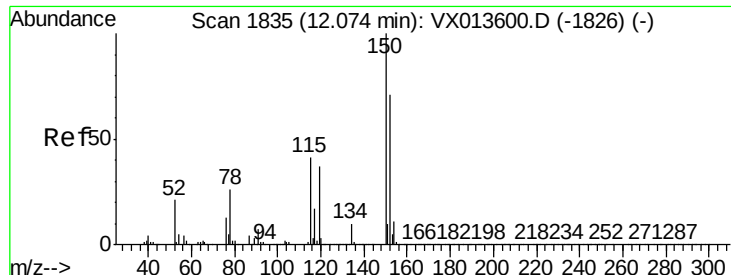
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	32.0	25.8	38.8



#64
Tetrachloroethene
Concen: 2.384 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013911.D
Acq: 10 Dec 2019 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	99.7	149.5
129	82.8	70.1	105.1
131	76.3	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: VX013911.D

Acq: 10 Dec 2019 20:17

Instrument :

MSVOA_X

ClientSampleId :

TT101D2-20191205

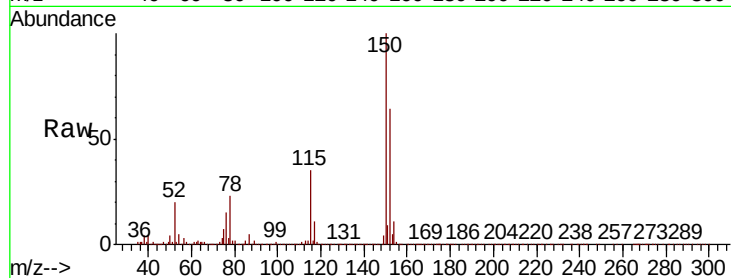
Tot Ion:152 Resp: 347834

Ion Ratio Lower Upper

152 100

115 54.9 38.4 115.1

150 157.3 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

