

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\
 Data File : VX015260.D
 Acq On : 13 Mar 2020 15:20
 Operator : JC/SP
 Sample : L1903-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20200309

Quant Time: Mar 16 09:19:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 14:19:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	270282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	426945	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	408889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	209388	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	153169	47.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.54%	
35) Dibromofluoromethane	5.49	113	130571	48.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.96%	
50) Toluene-d8	8.71	98	522032	50.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	11.14	95	188202	51.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.00%	

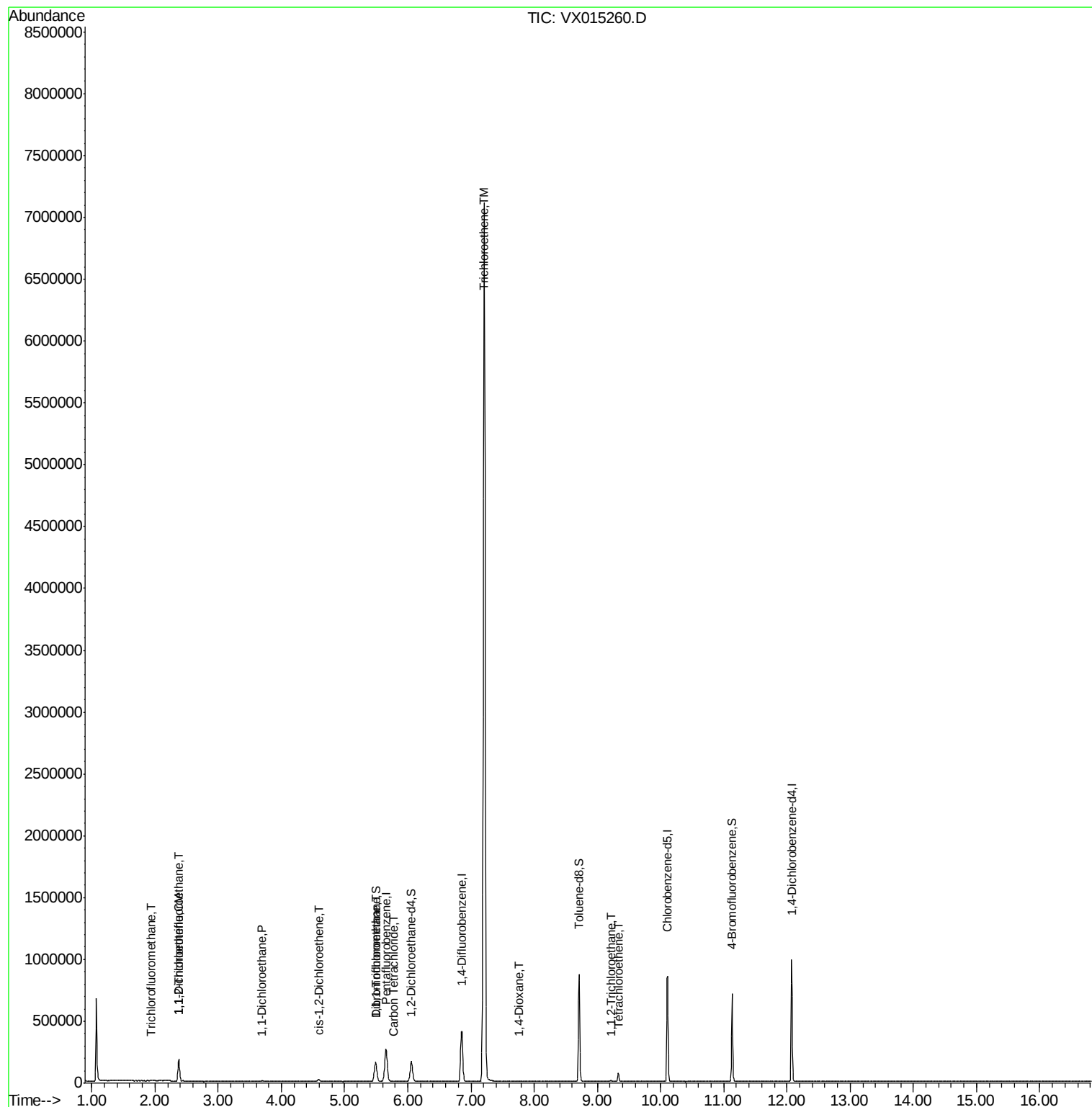
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) Trichlorofluoromethane	1.94	101	1603	0.396	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	48960	19.238	ug/l	97
12) 1,1-Dichloroethene	2.37	96	27300	10.394	ug/l	99
24) 1,1-Dichloroethane	3.69	63	7924	1.565	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	9756	3.101	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	2463	0.602	ug/l #	48
38) Carbon Tetrachloride	5.78	117	1949	0.523	ug/l #	74
44) Trichloroethene	7.21	130	2803821	859.761	ug/l	96
49) 1,4-Dioxane	7.75	88	2309	32.578	ug/l #	76
55) 1,1,2-Trichloroethane	9.21	97	2777	0.942	ug/l #	91
64) Tetrachloroethene	9.33	164	13773	4.074	ug/l	95

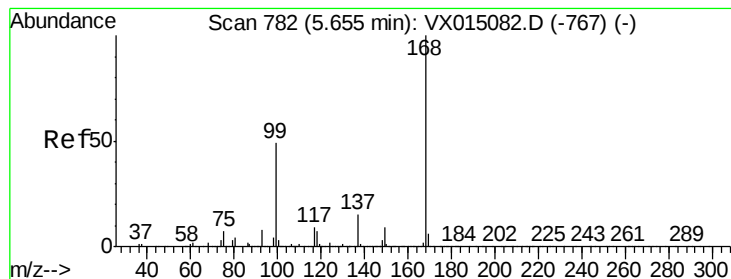
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

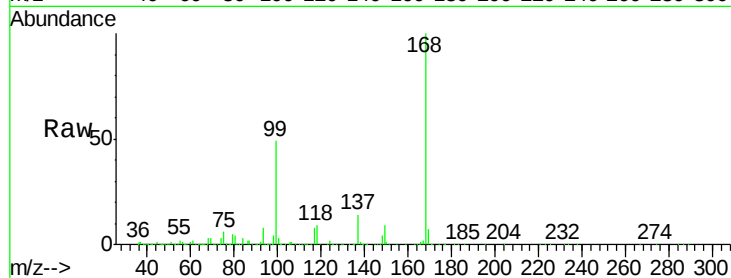
RE120D1-20200309

Tot Ion:168 Resp: 270282

Ion Ratio Lower Upper

168 100

99 48.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

100000

80000

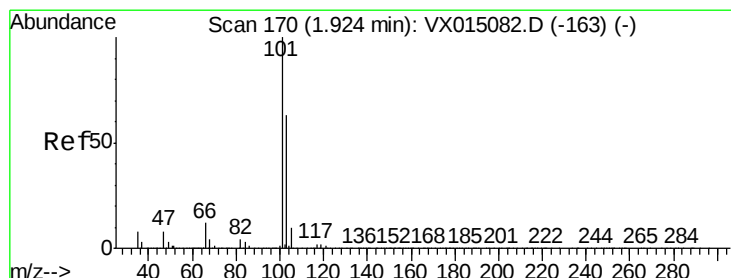
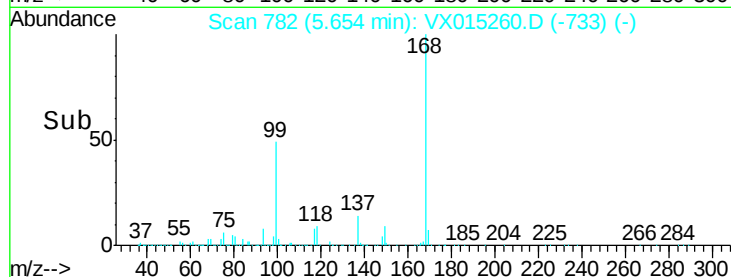
60000

40000

20000

0

Time-->



#7

Trichlorofluoromethane

Concen: 0.396 ug/l

RT: 1.94 min Scan# 172

Delta R.T. 0.01 min

Lab File: VX015260.D

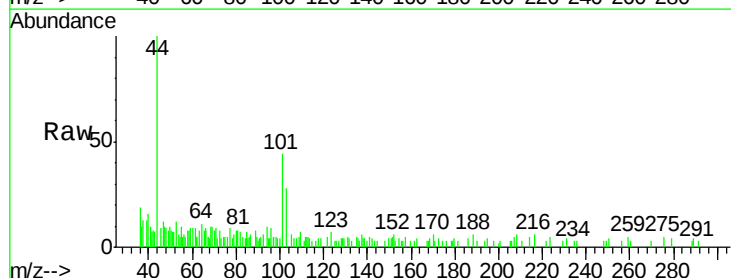
Acq: 13 Mar 2020 15:20

Tgt Ion:101 Resp: 1603

Ion Ratio Lower Upper

101 100

103 55.1 50.4 75.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

1.94

1000

800

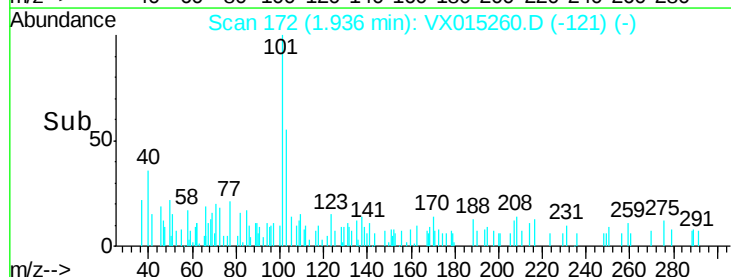
600

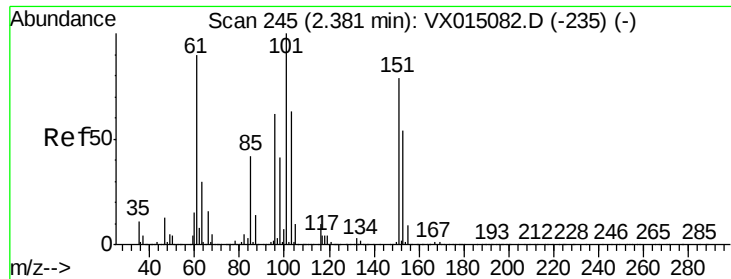
400

200

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.238 ug/l

RT: 2.38 min Scan# 245

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

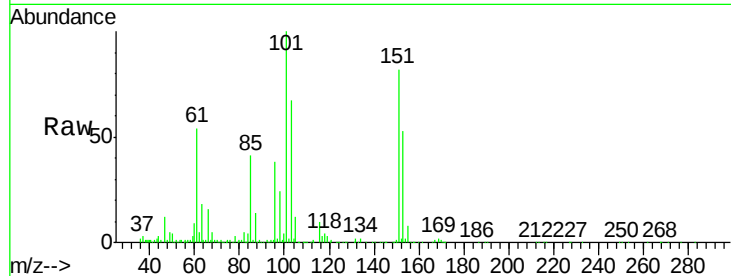
Tot Ion:101 Resp: 48960

Ion Ratio Lower Upper

101 100

85 41.2 33.7 50.5

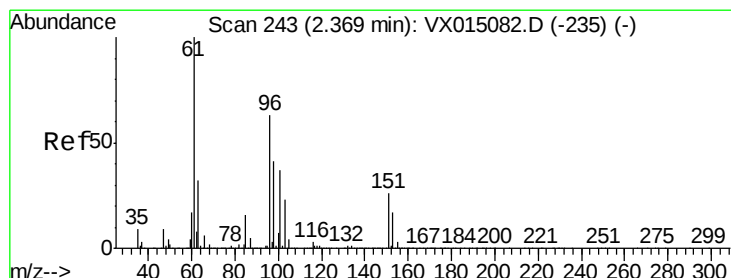
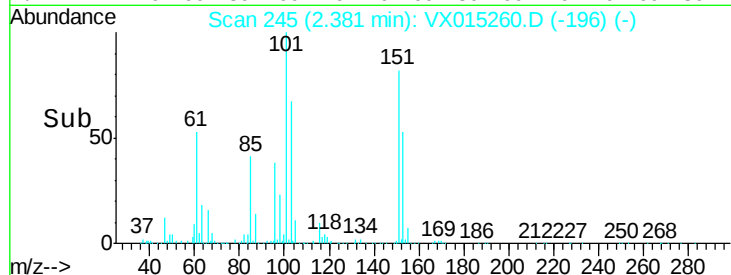
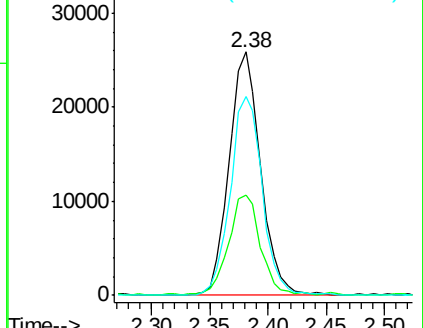
151 82.8 64.0 96.0



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: 10.394 ug/l

RT: 2.37 min Scan# 243

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

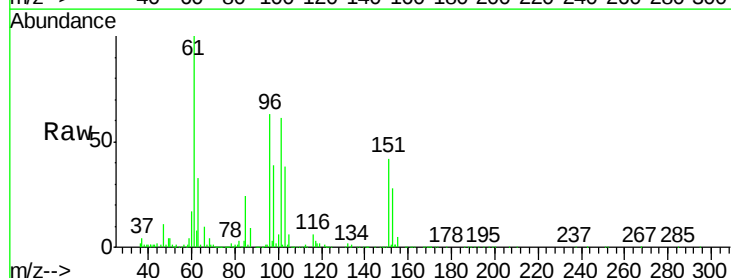
Tgt Ion: 96 Resp: 27300

Ion Ratio Lower Upper

96 100

61 159.1 126.2 189.4

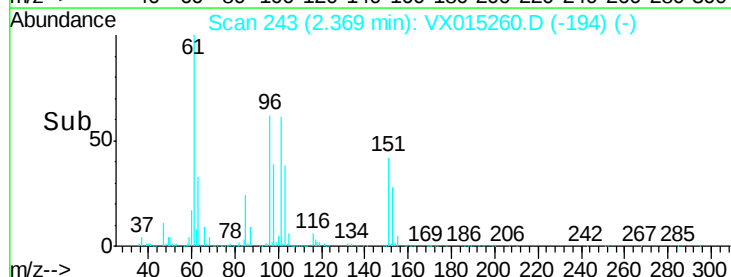
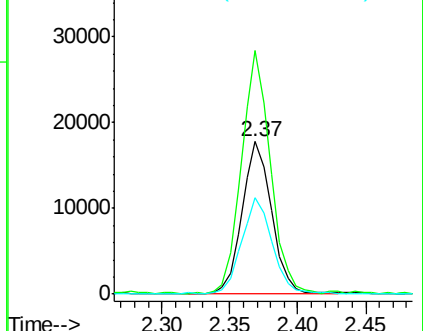
98 62.4 51.4 77.0

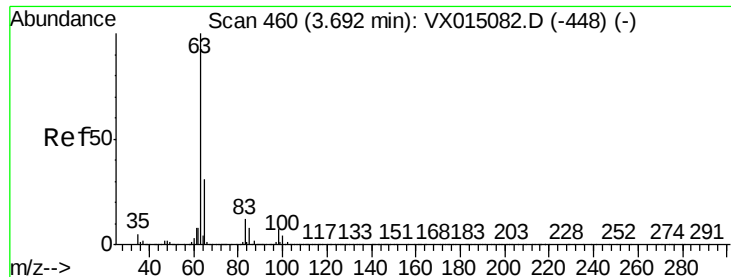


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#24

1,1-Dichloroethane

Concen: 1.565 ug/l

RT: 3.69 min Scan# 460

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

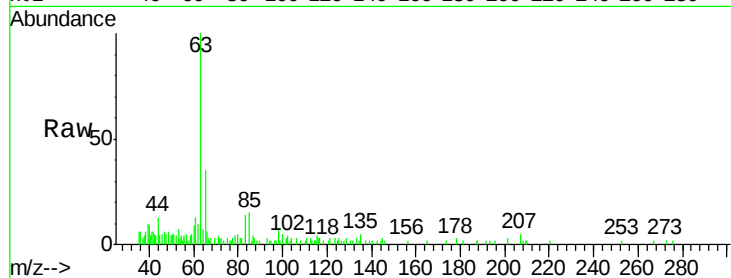
Tot Ion: 63 Resp: 7924

Ion Ratio Lower Upper

63 100

98 6.4 3.7 11.1

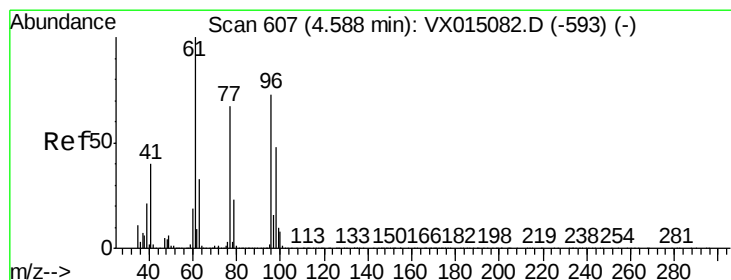
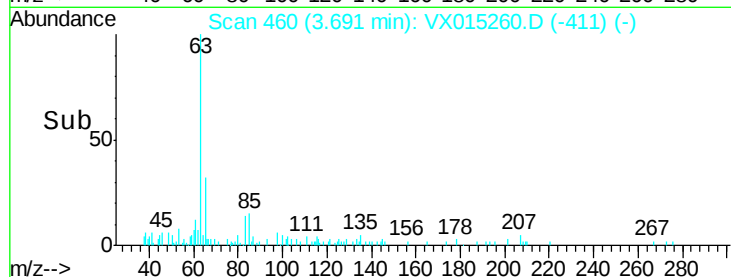
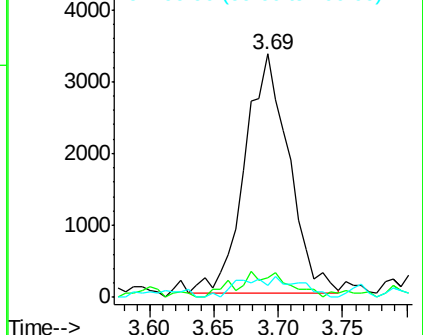
100 5.2 2.1 6.5



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: 3.101 ug/l

RT: 4.59 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

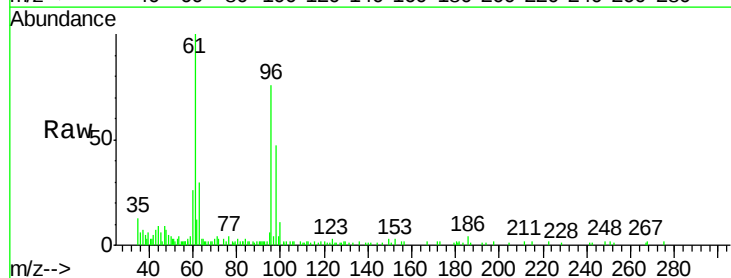
Tgt Ion: 96 Resp: 9756

Ion Ratio Lower Upper

96 100

61 134.2 0.0 286.8

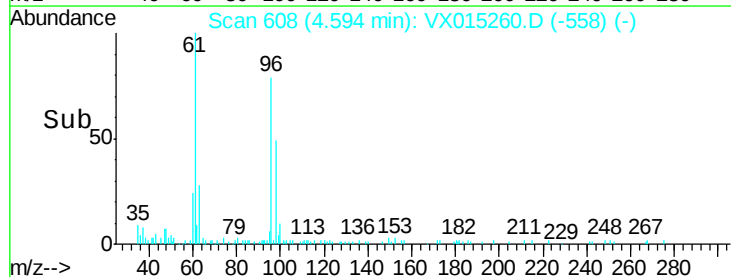
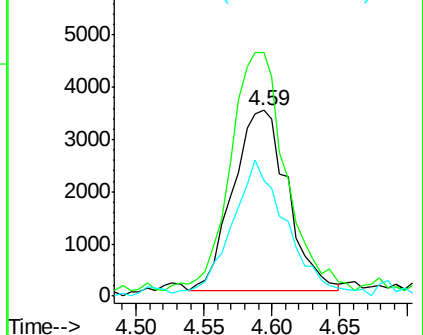
98 76.0 0.0 128.4

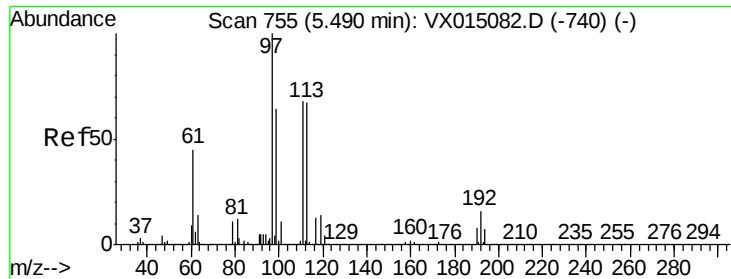


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#32

1,1,1-Trichloroethane

Concen: 0.602 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

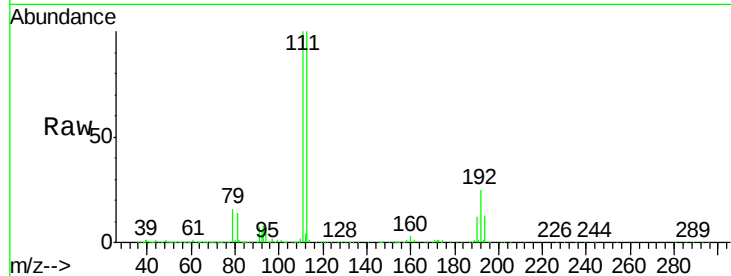
Tot Ion: 97 Resp: 2463

Ion Ratio Lower Upper

97 100

99 0.0 52.8 79.2#

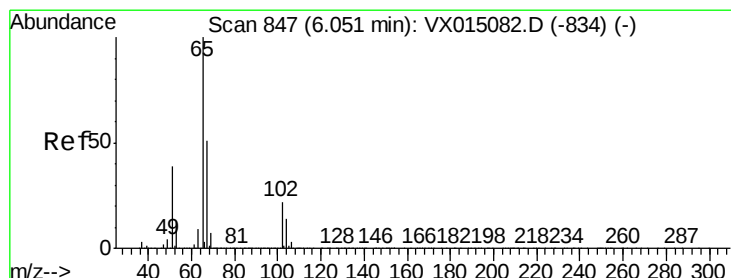
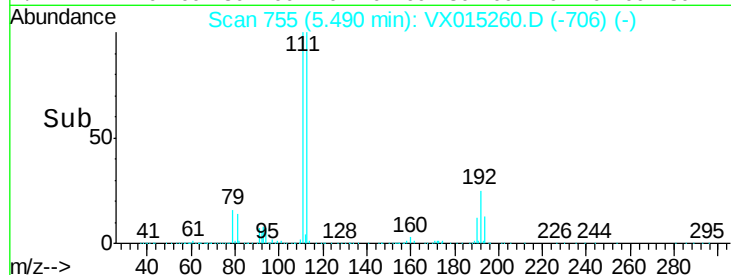
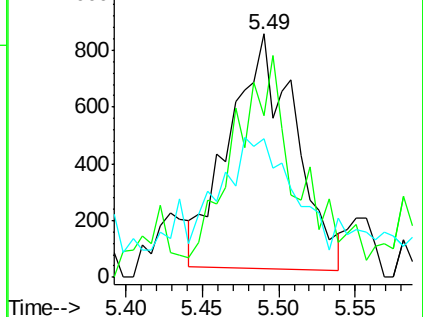
61 50.5 36.6 54.8



Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.767 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX015260.D

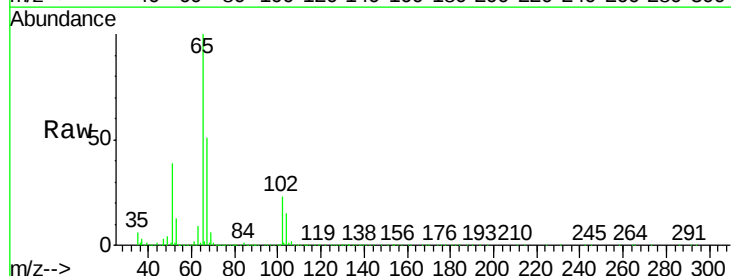
Acq: 13 Mar 2020 15:20

Tgt Ion: 65 Resp: 153169

Ion Ratio Lower Upper

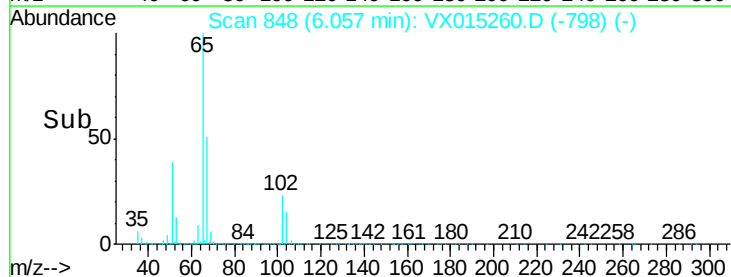
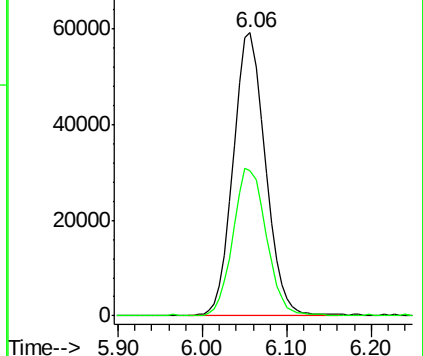
65 100

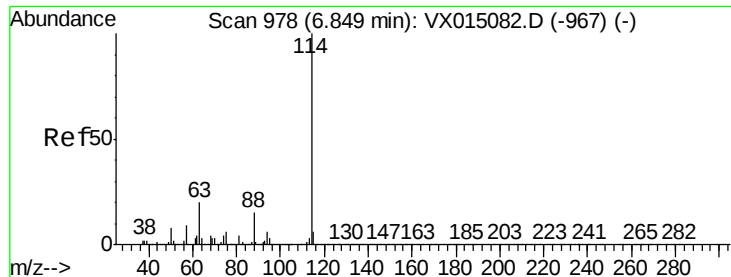
67 53.5 0.0 105.6



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

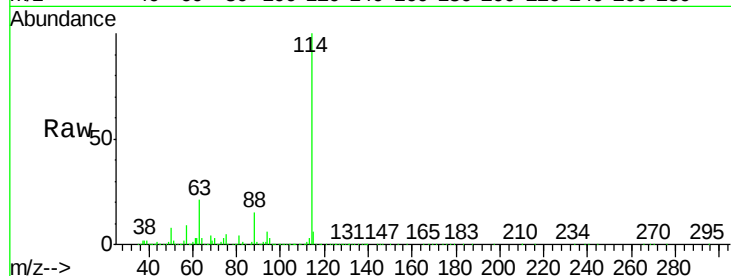
Tot Ion:114 Resp: 426945

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

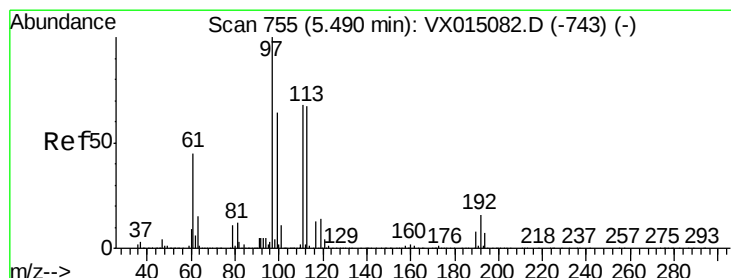
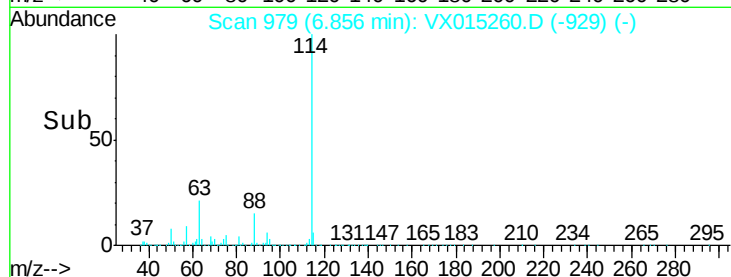
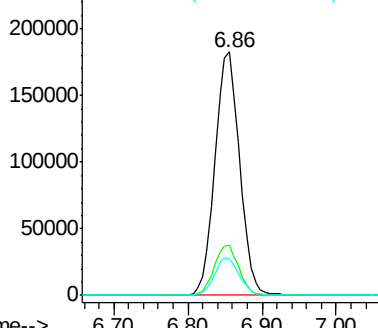
88 15.1 0.0 30.6



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: 48.477 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

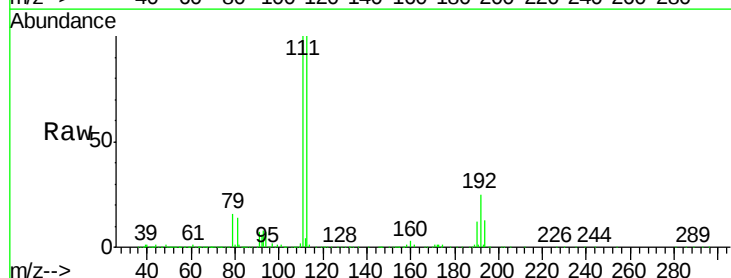
Tgt Ion:113 Resp: 130571

Ion Ratio Lower Upper

113 100

111 103.6 82.6 123.8

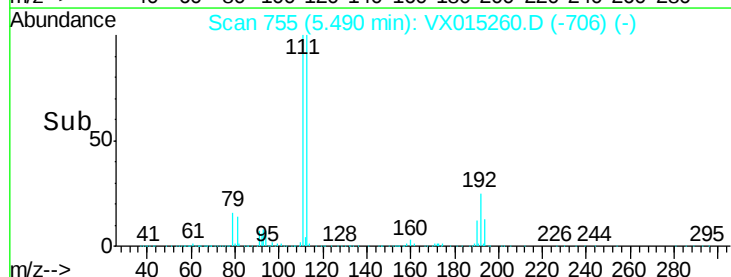
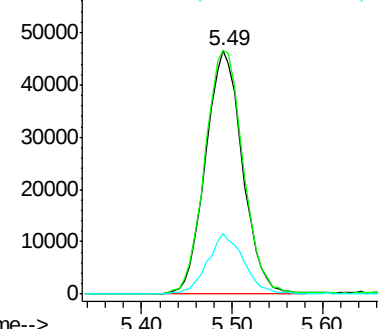
192 24.5 18.6 28.0

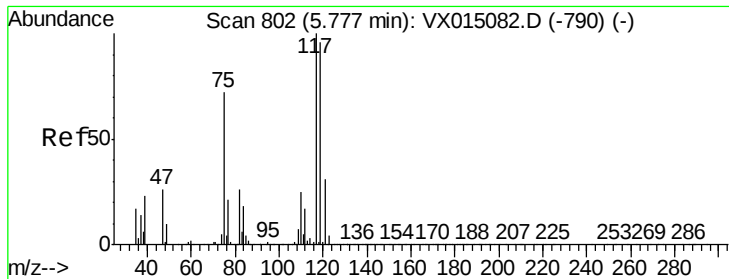


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.523 ug/l

RT: 5.78 min Scan# 802

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

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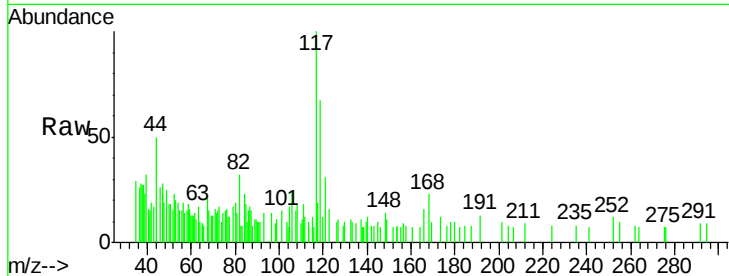
Tot Ion:117 Resp: 1949

Ion Ratio Lower Upper

117 100

119 64.1 76.9 115.3#

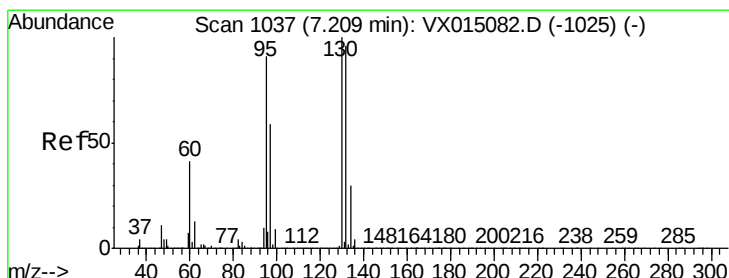
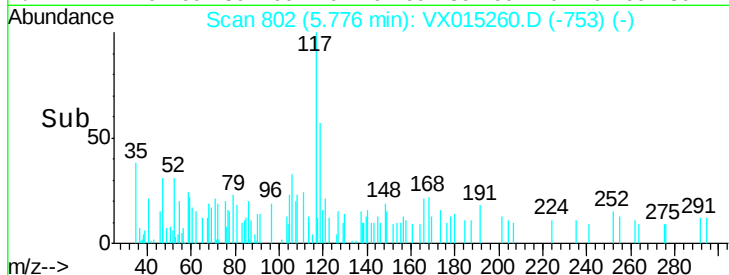
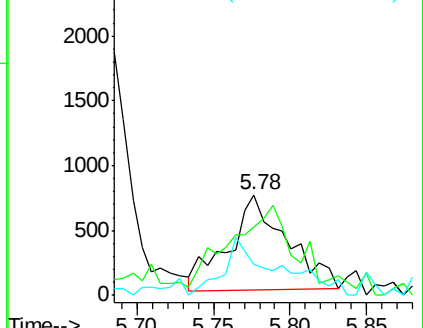
121 33.4 24.6 37.0



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: 859.761 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VX015260.D

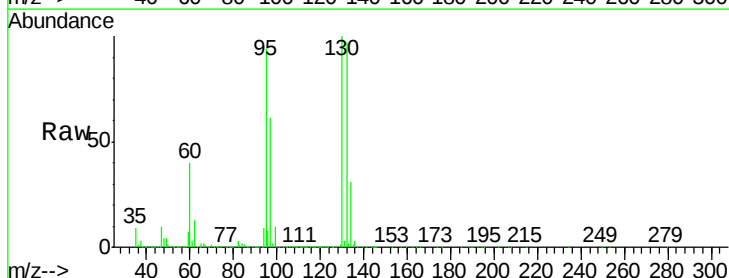
Acq: 13 Mar 2020 15:20

Tgt Ion:130 Resp: 2803821

Ion Ratio Lower Upper

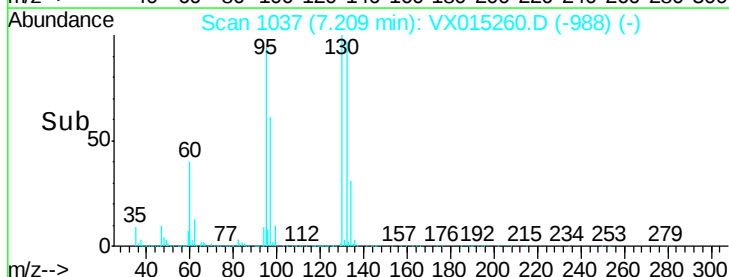
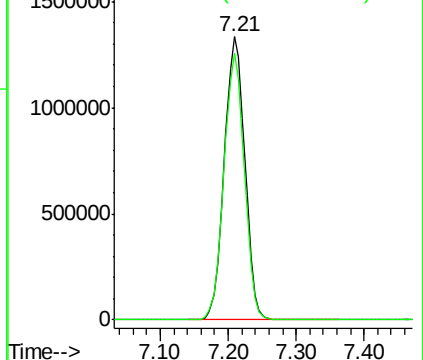
130 100

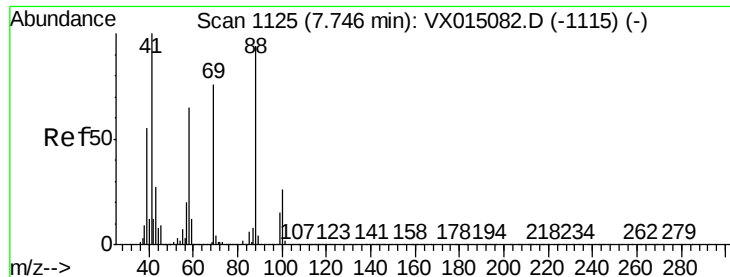
95 94.4 0.0 181.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 32.578 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.01 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

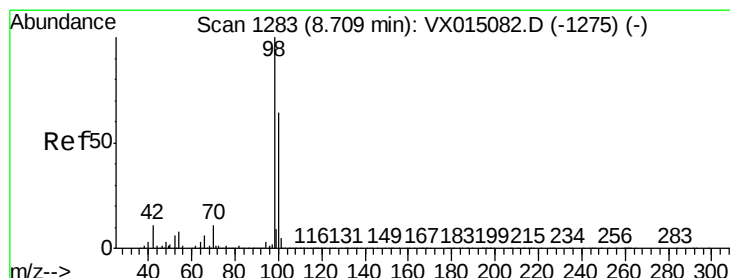
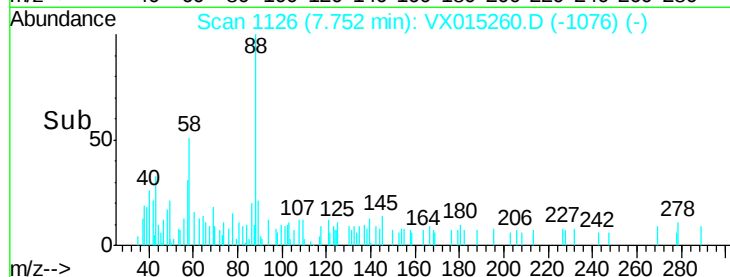
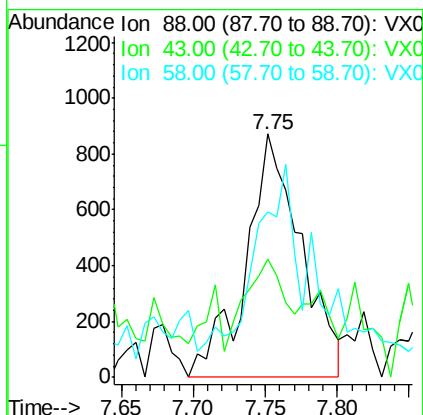
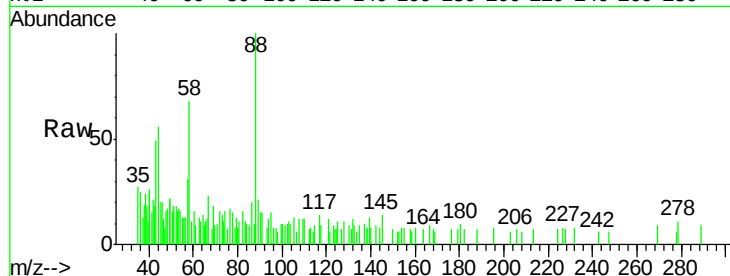
Tot Ion: 88 Resp: 2309

Ion Ratio Lower Upper

88 100

43 26.8 27.0 40.4#

58 45.5 55.6 83.4#



#50

Toluene-d8

Concen: 50.952 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX015260.D

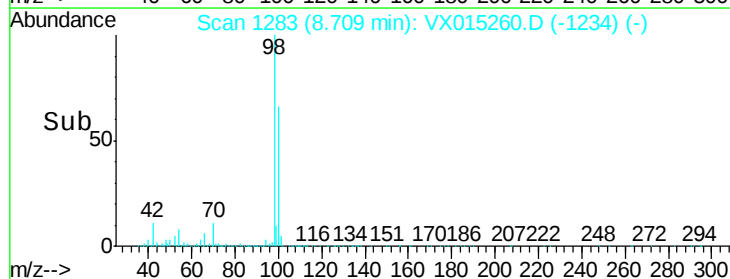
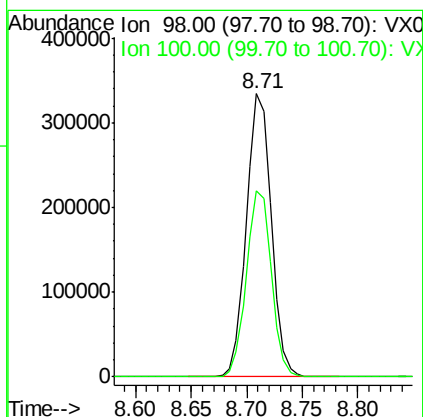
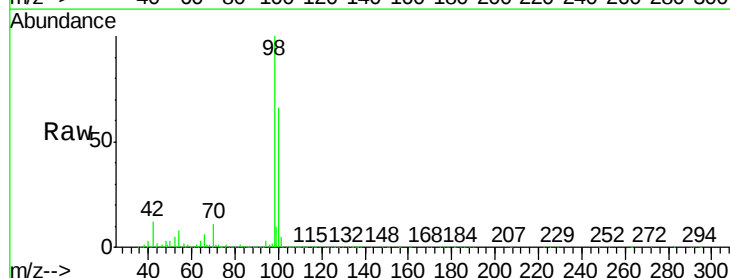
Acq: 13 Mar 2020 15:20

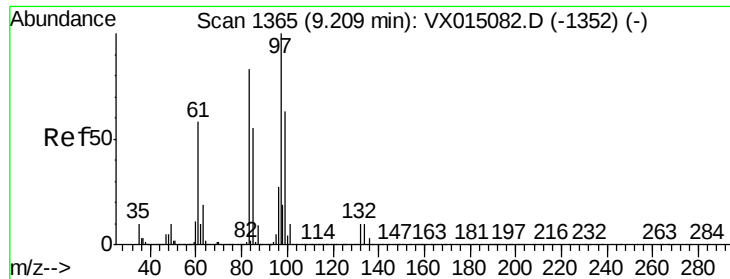
Tgt Ion: 98 Resp: 522032

Ion Ratio Lower Upper

98 100

100 65.8 52.4 78.6

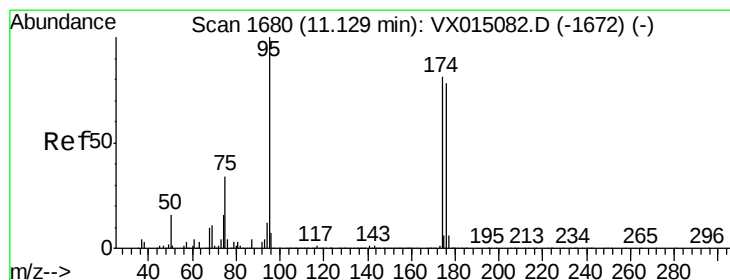
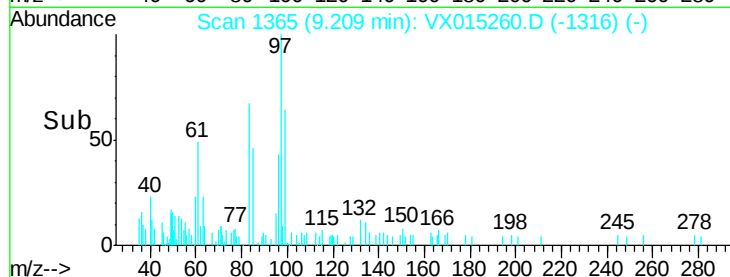
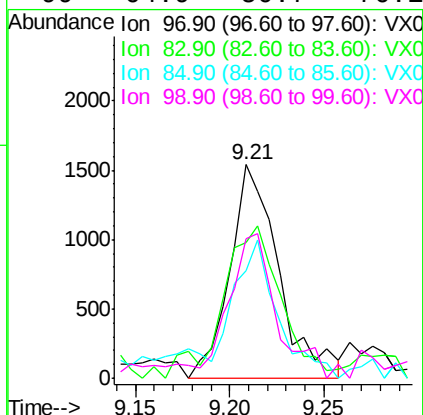
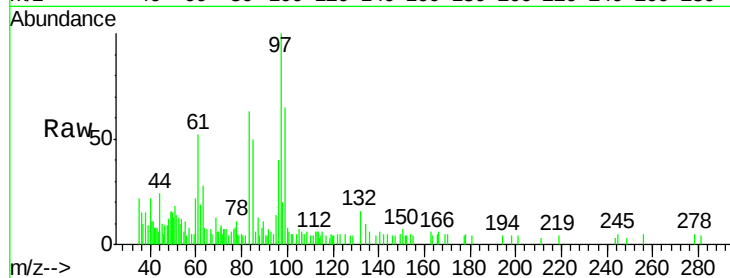




#55
 1,1,2-Trichloroethane
 Concen: 0.942 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VX015260.D
 Acq: 13 Mar 2020 15:20

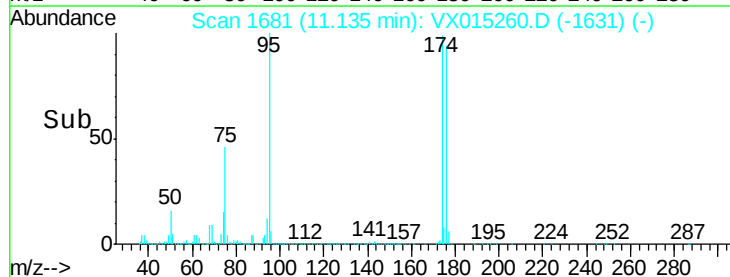
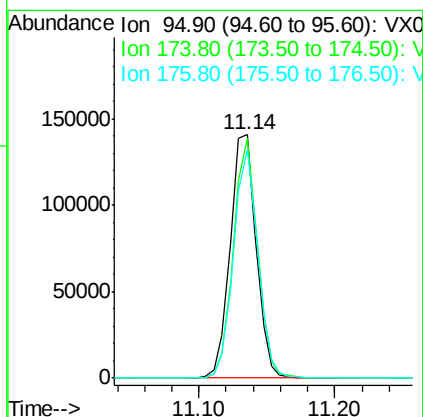
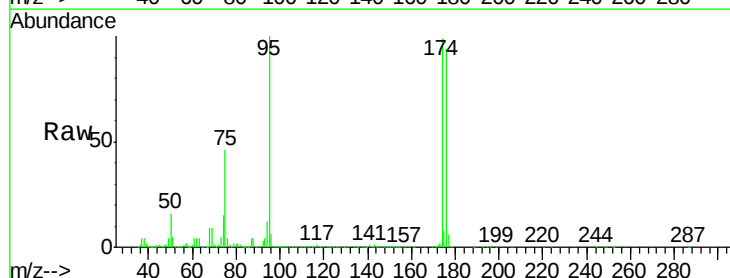
Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20200309

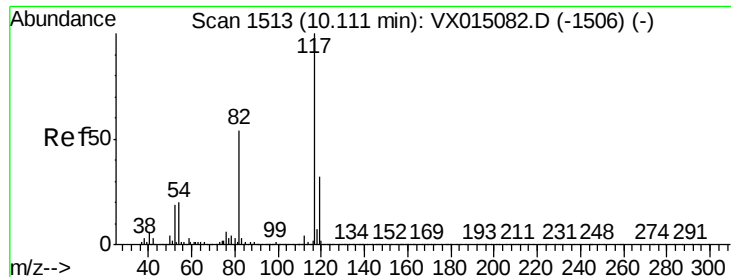
Tot Ion:	97	Resp:	2777
Ion	Ratio	Lower	Upper
97	100		
83	64.2	66.4	99.6#
85	54.7	43.5	65.3
99	64.9	50.7	76.1



#62
 4-Bromofluorobenzene
 Concen: 51.499 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.01 min
 Lab File: VX015260.D
 Acq: 13 Mar 2020 15:20

Tgt Ion:	95	Resp:	188202
Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	177.6
176	88.0	0.0	170.2

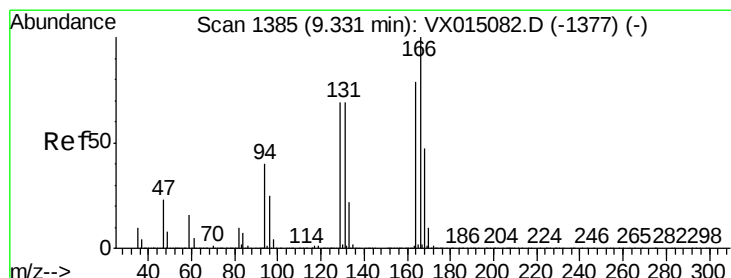
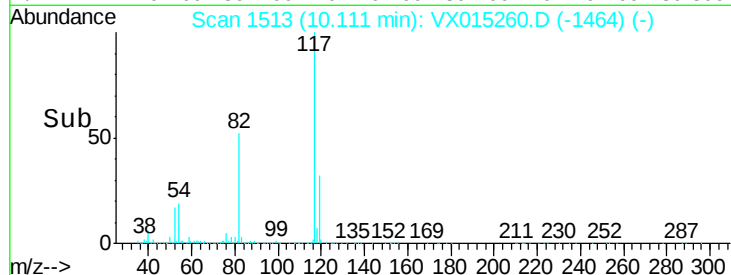
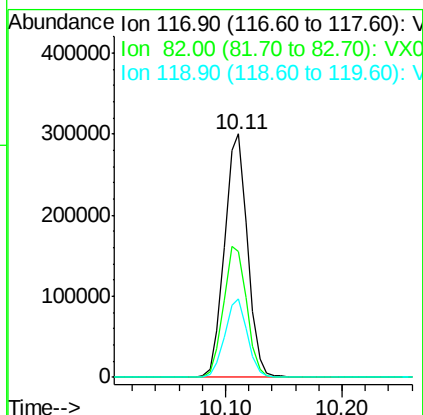
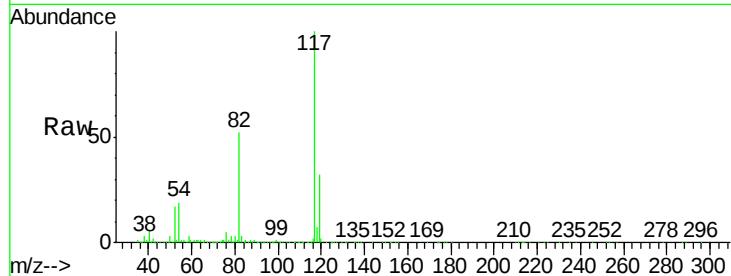




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX015260.D
Acq: 13 Mar 2020 15:20

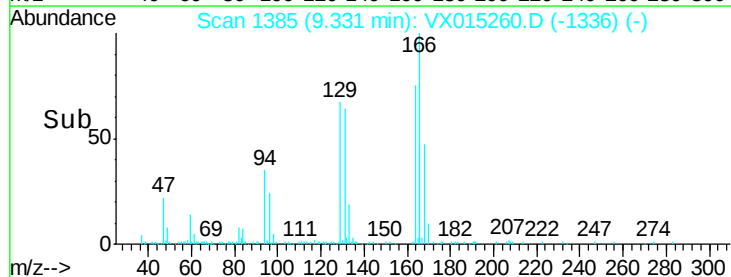
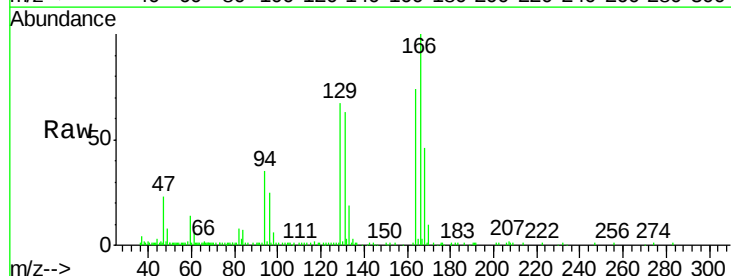
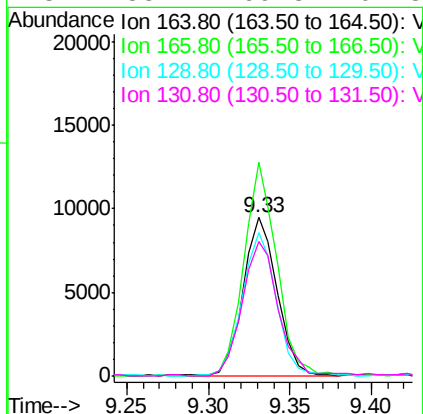
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20200309

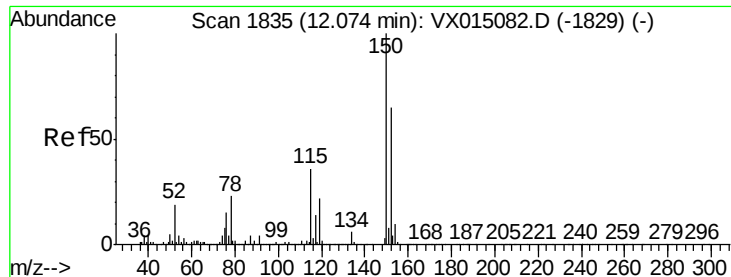
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.3	64.9
119	32.1	25.8	38.8



#64
Tetrachloroethene
Concen: 4.074 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX015260.D
Acq: 13 Mar 2020 15:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.9	101.1	151.7
129	90.2	69.4	104.0
131	85.2	69.8	104.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX015260.D

Acq: 13 Mar 2020 15:20

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20200309

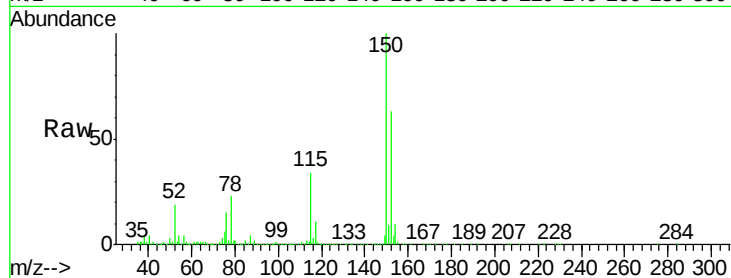
Tot Ion:152 Resp: 209388

Ion Ratio Lower Upper

152 100

115 54.1 38.2 114.6

150 156.5 0.0 343.8



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

