

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013731.D
 Acq On : 03 Dec 2019 17:44
 Operator : JC/SP
 Sample : K5984-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0196

Quant Time: Dec 04 00:38:07 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	691329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1053003	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	935736	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	424793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	377848	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.49	113	312473	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	8.71	98	1246782	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.14	95	424650	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	

Target Compounds

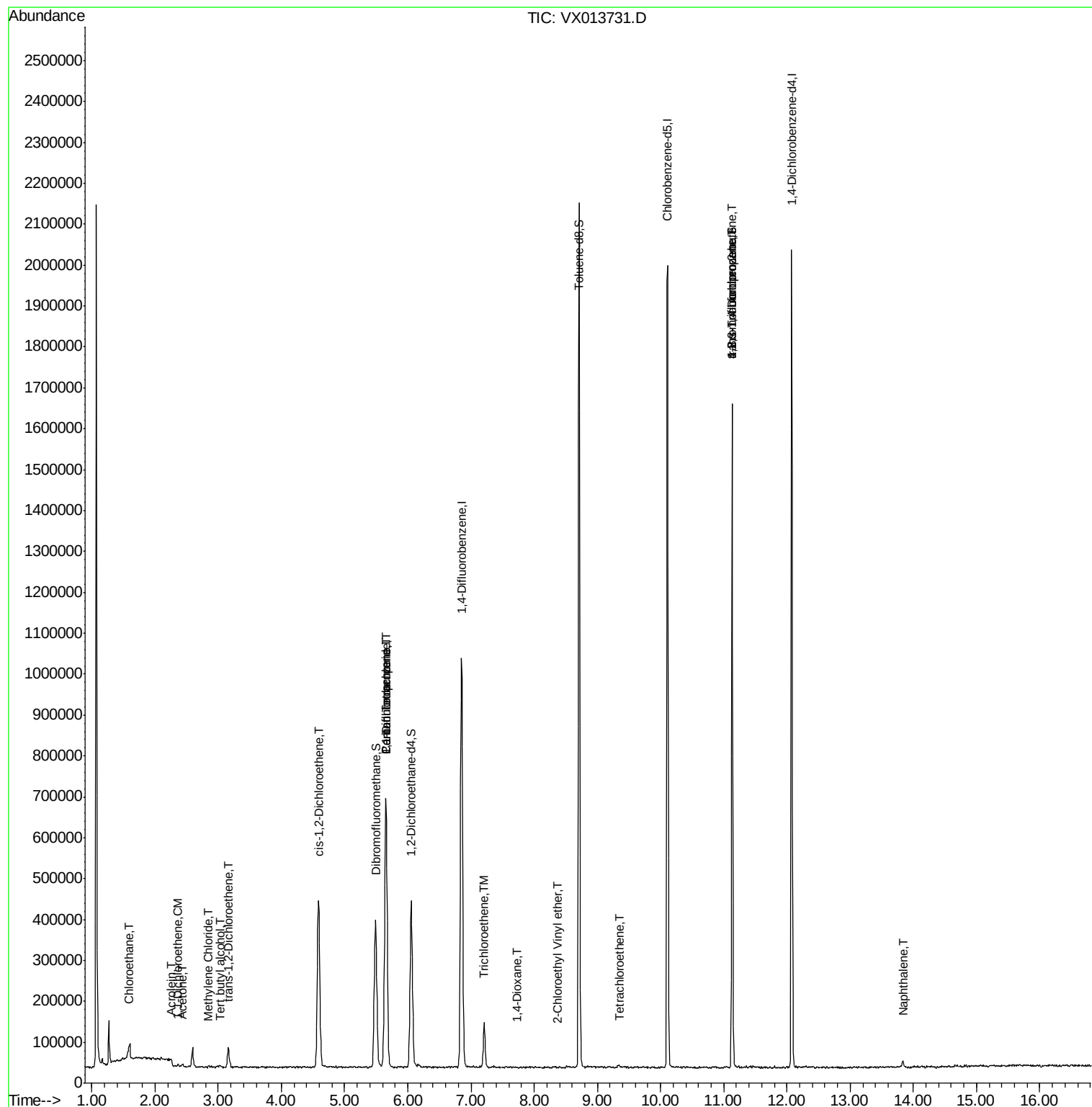
						Qvalue
6) Chloroethane	1.58	64	7229	1.307	ug/l #	85
11) Tert butyl alcohol	3.02	59	5811	2.934	ug/l #	57
12) 1,1-Dichloroethene	2.37	96	2219	0.337	ug/l #	88
13) Acrolein	2.27	56	833	6.617	ug/l #	15
16) Acetone	2.43	43	8805	2.222	ug/l	94
20) Methylene Chloride	2.84	84	1654	0.217	ug/l #	65
21) trans-1,2-Dichloroethene	3.16	96	22388	3.124	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	266622	32.393	ug/l	89
36) 1,1-Dichloropropene	5.65	75	47742	4.995	ug/l #	51
38) Carbon Tetrachloride	5.65	117	60323	6.844	ug/l #	16
44) Trichloroethene	7.21	130	46708	5.846	ug/l	92
49) 1,4-Dioxane	7.72	88	443	2.307	ug/l #	76
58) 2-Chloroethyl Vinyl ether	8.37	63	1066	0.232	ug/l	94
64) Tetrachloroethene	9.34	164	1567	0.225	ug/l #	80
76) 1,2,3-Trichloropropane	11.14	75	205919	21.552	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	205919	58.964	ug/l #	11
95) Naphthalene	13.83	128	12794	0.445	ug/l #	96

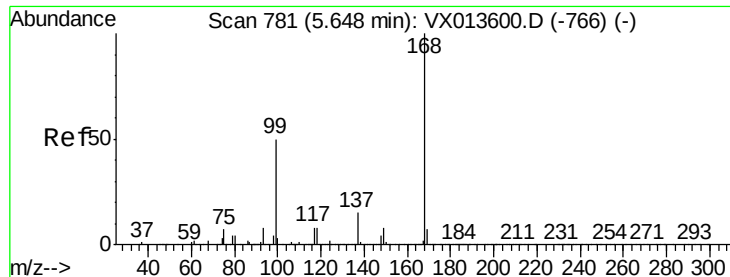
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

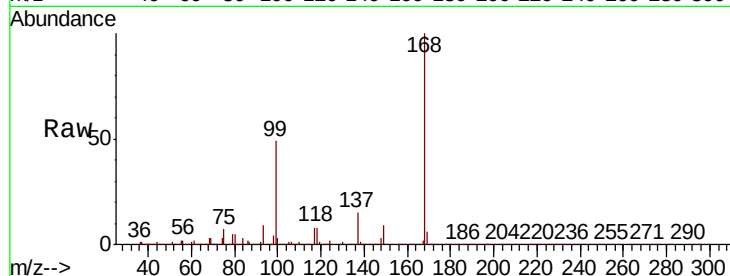
S39-0196

Tot Ion:168 Resp: 691329

Ion Ratio Lower Upper

168 100

99 49.4 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

250000

200000

150000

100000

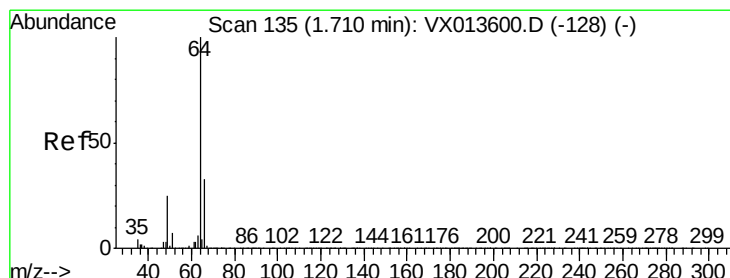
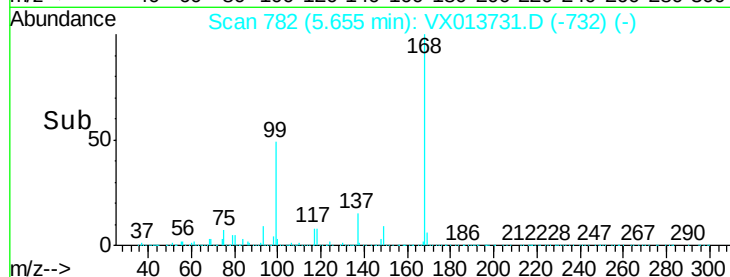
50000

0

5.65

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 1.307 ug/l

RT: 1.58 min Scan# 113

Delta R.T. -0.13 min

Lab File: VX013731.D

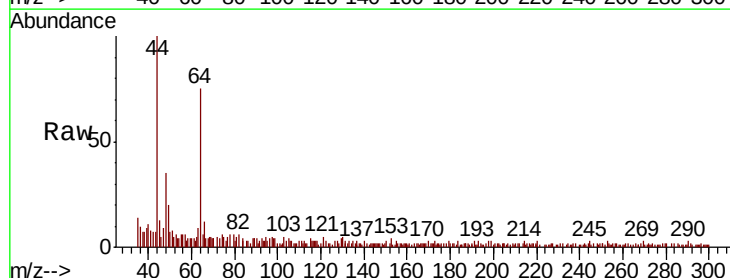
Acq: 03 Dec 2019 17:44

Tgt Ion: 64 Resp: 7229

Ion Ratio Lower Upper

64 100

66 25.1 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

6000

4000

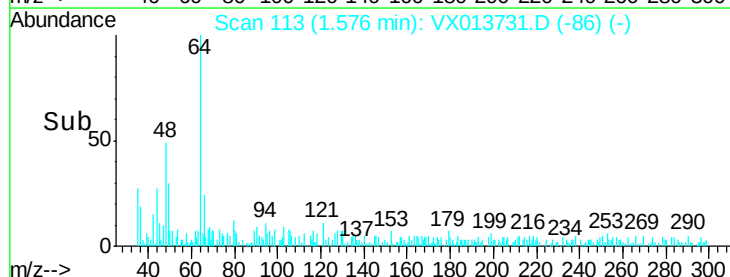
2000

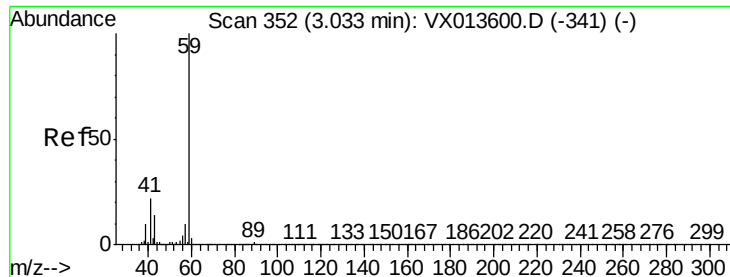
0

1.58

1.50 1.55 1.60

Time-->



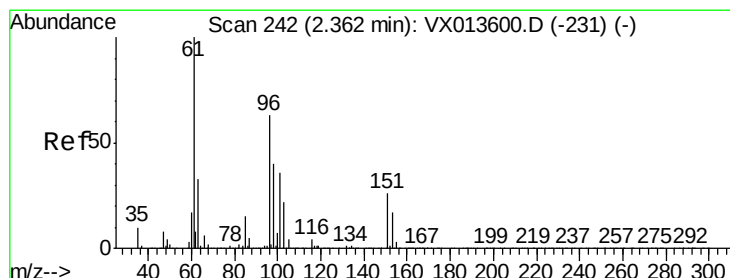
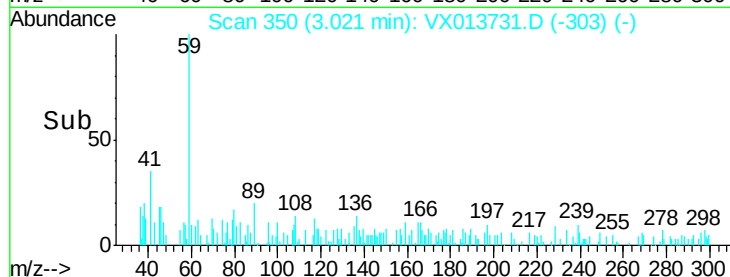
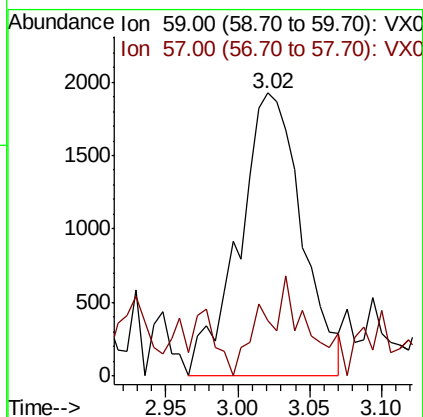
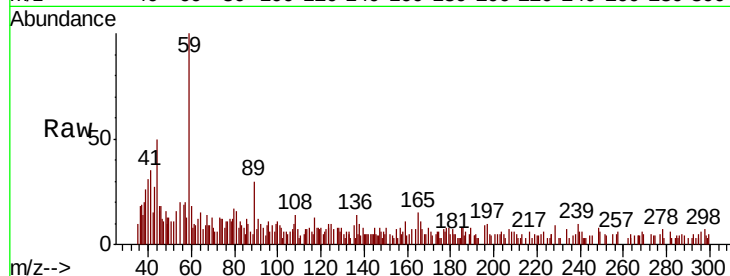


#11

Tert butyl alcohol
Concen: 2.934 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Instrument :
MSVOA_X
ClientSampled :
S39-0196

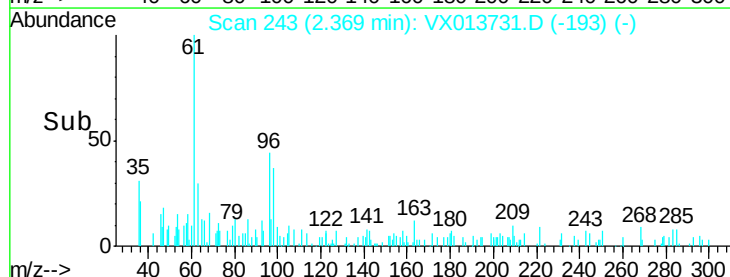
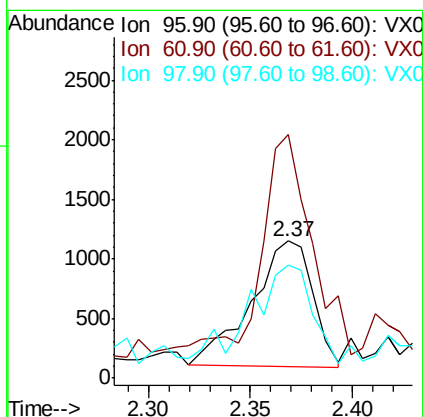
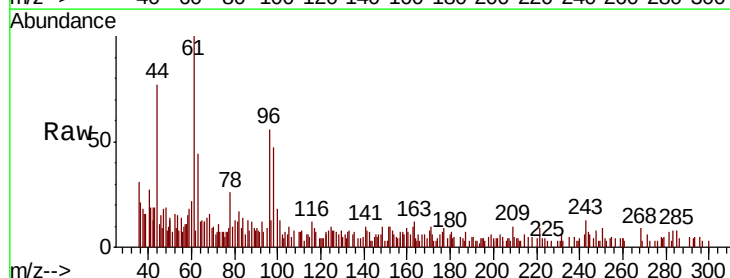
Tot Ion: 59 Resp: 5811
Ion Ratio Lower Upper
59 100
57 25.4 7.8 11.6#

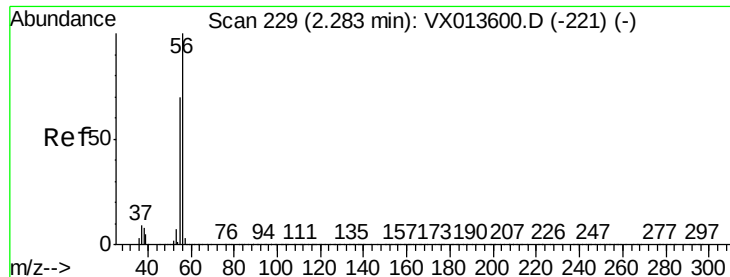


#12

1,1-Dichloroethene
Concen: 0.337 ug/l
RT: 2.37 min Scan# 243
Delta R.T. 0.01 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Tgt Ion: 96 Resp: 2219
Ion Ratio Lower Upper
96 100
61 169.7 126.6 190.0
98 79.4 50.6 76.0#

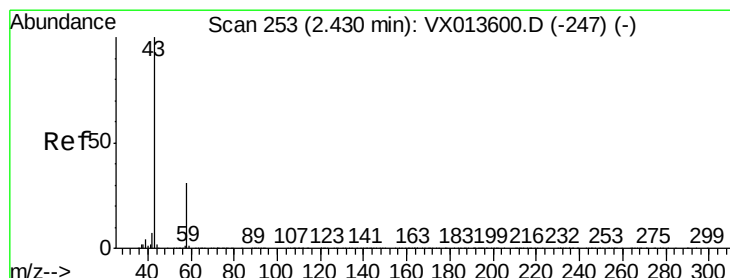
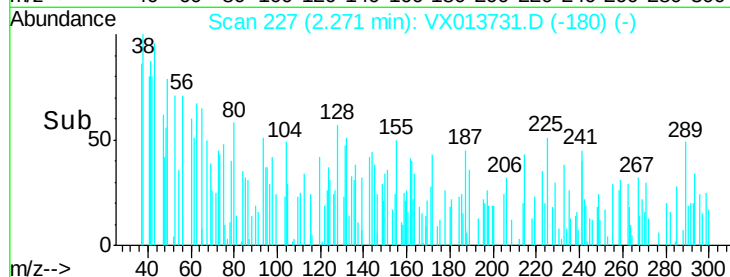
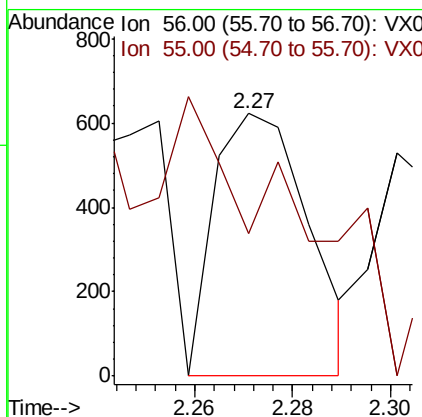
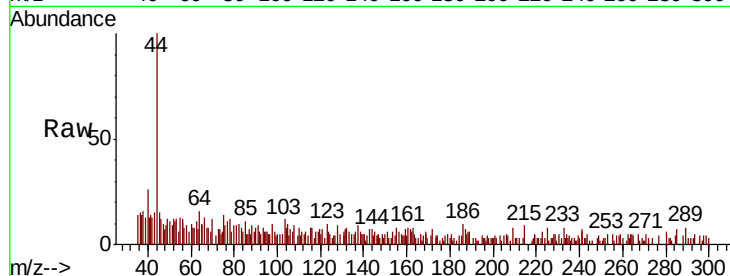




#13
Acrolein
Concen: 6.617 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

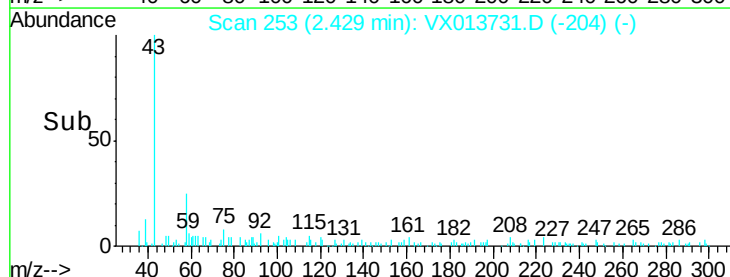
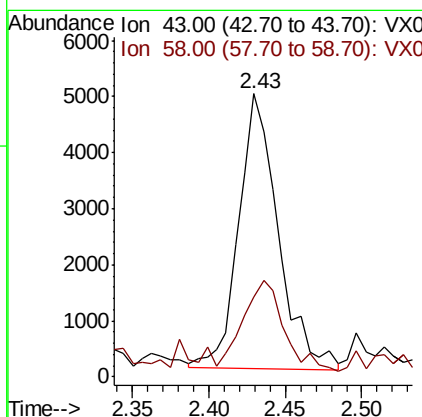
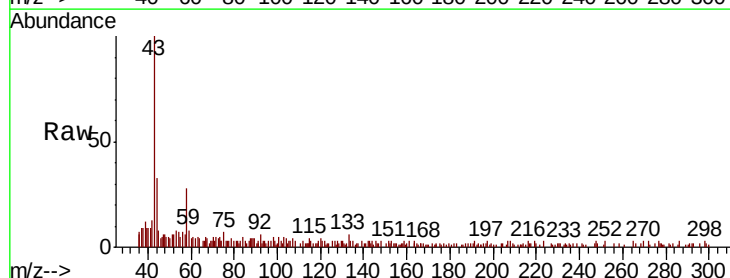
Instrument :
MSVOA_X
ClientSampled :
S39-0196

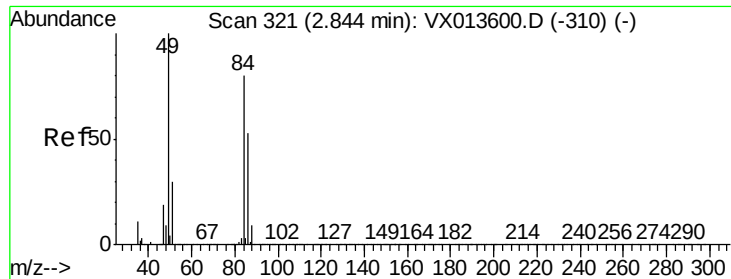
Tot Ion: 56 Resp: 833
Ion Ratio Lower Upper
56 100
55 0.0 56.2 84.4#



#16
Acetone
Concen: 2.222 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Tgt Ion: 43 Resp: 8805
Ion Ratio Lower Upper
43 100
58 27.2 24.6 36.8

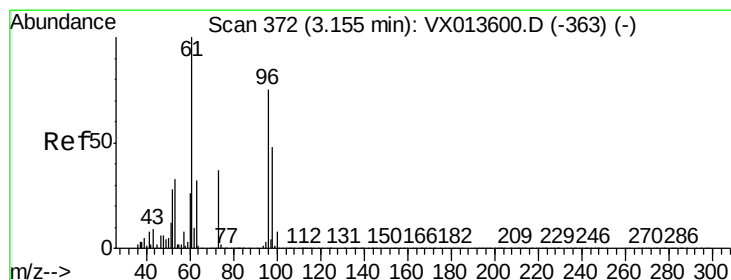
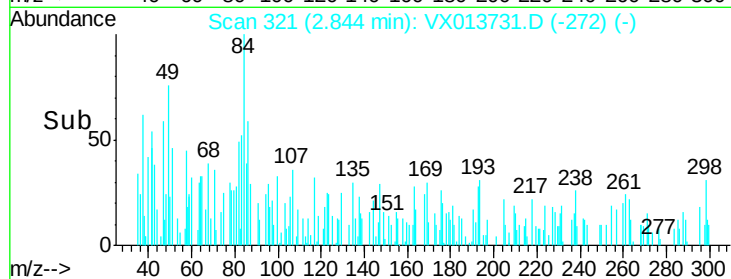
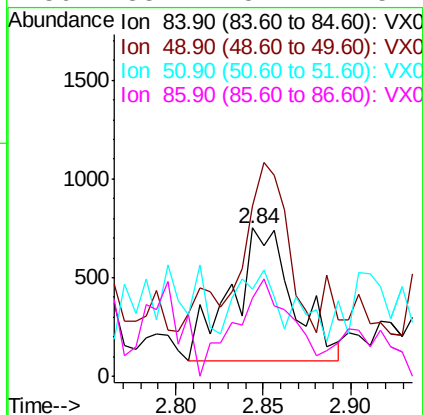
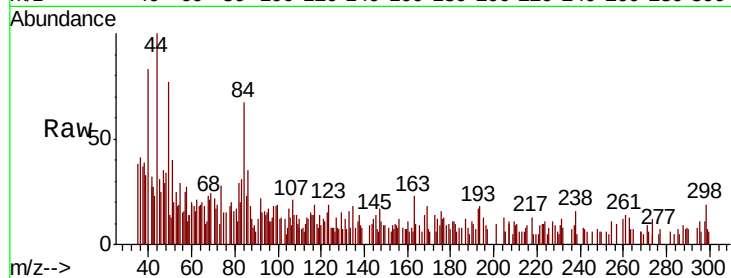




#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

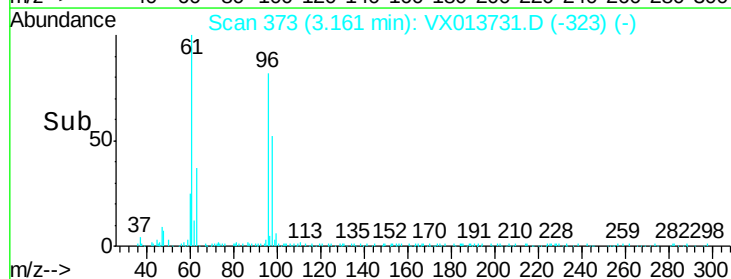
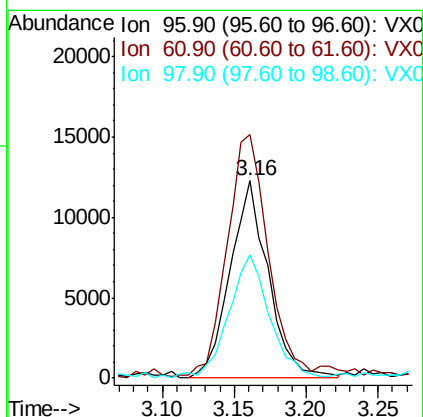
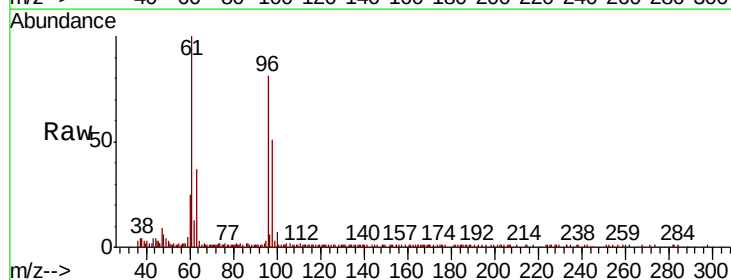
Instrument :
MSVOA_X
ClientSampleId :
S39-0196

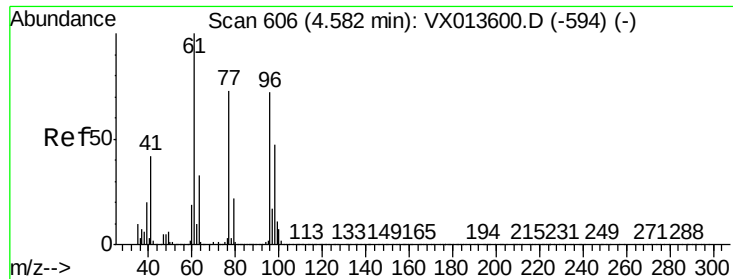
Tot Ion: 84 Resp: 1654
Ion Ratio Lower Upper
84 100
49 85.4 99.7 149.5#
51 19.7 29.9 44.9#
86 33.4 52.2 78.4#



#21
trans-1,2-Dichloroethene
Concen: 3.124 ug/l
RT: 3.16 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Tgt Ion: 96 Resp: 22388
Ion Ratio Lower Upper
96 100
61 121.1 107.2 160.8
98 60.4 51.4 77.0



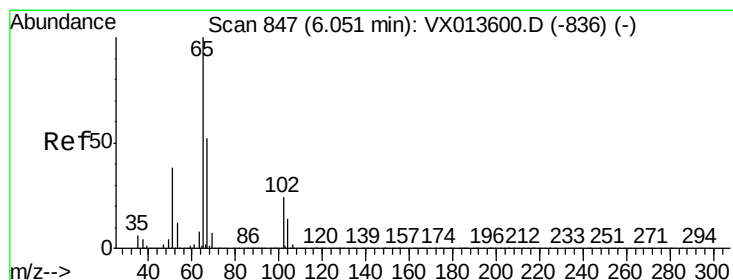
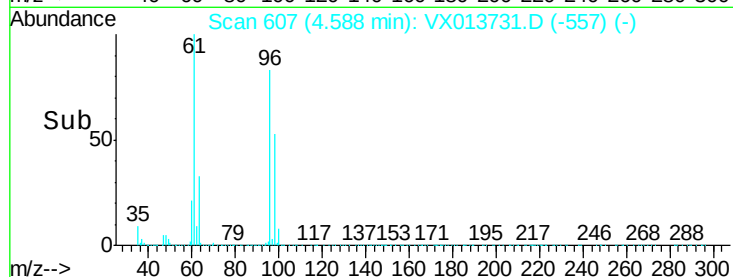
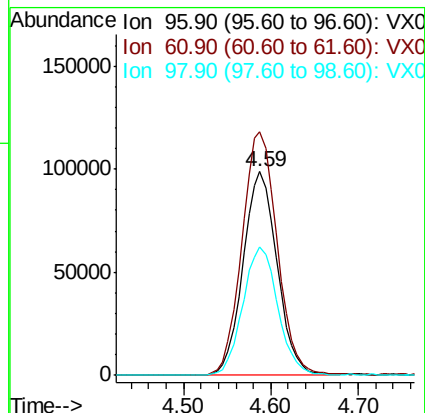
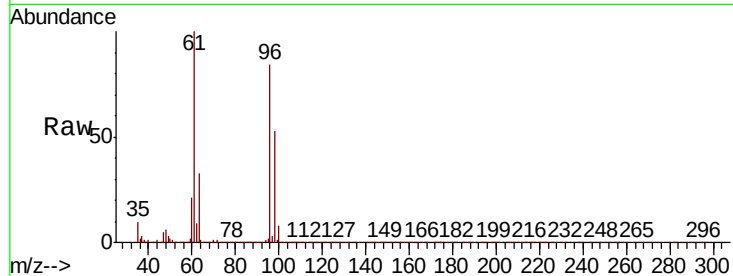


#27

cis-1,2-Dichloroethene
 Concen: 32.393 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX013731.D
 Acq: 03 Dec 2019 17:44

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0196

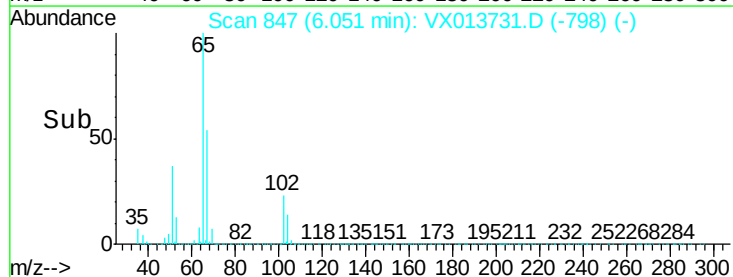
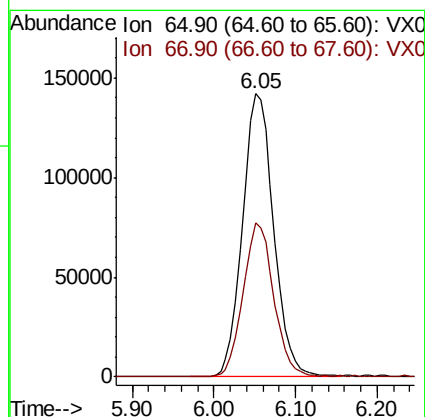
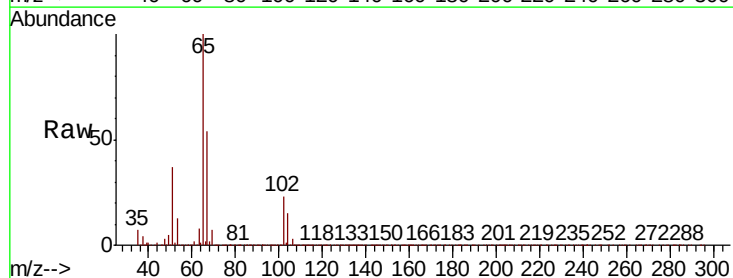
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	286.4
98	64.5	0.0	127.4

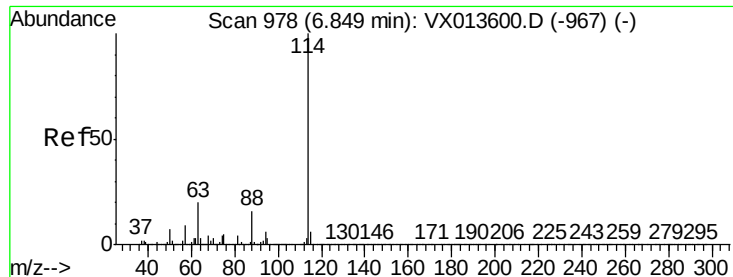


#33

1,2-Dichloroethane-d4
 Concen: 47.085 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013731.D
 Acq: 03 Dec 2019 17:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	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: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

S39-0196

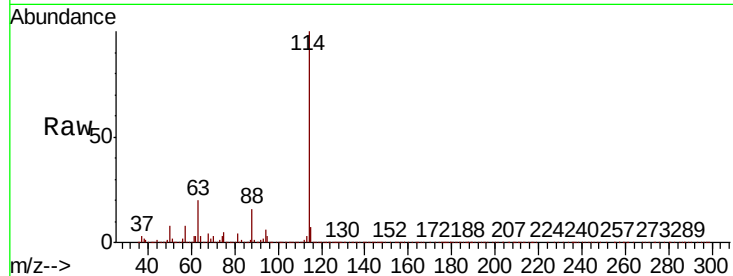
Tot Ion:114 Resp: 1053003

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

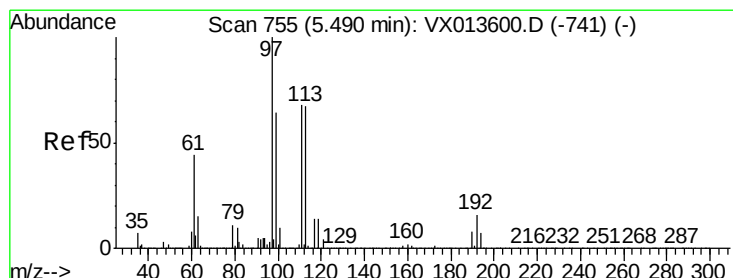
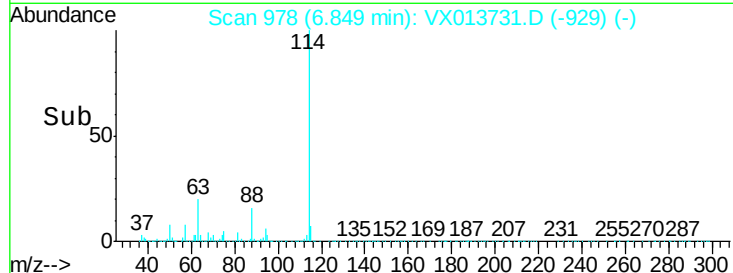
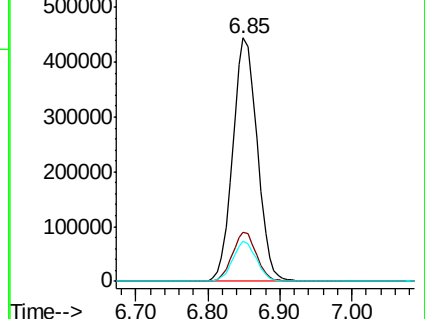
88 16.4 0.0 31.4



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: 48.000 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

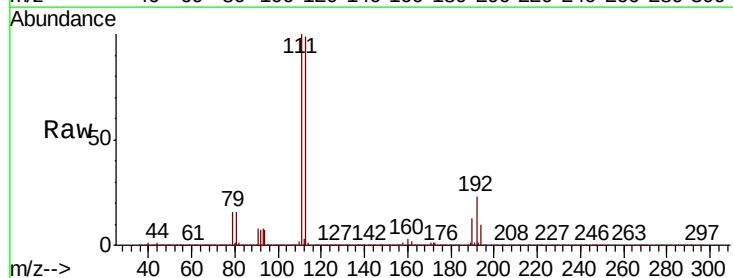
Tgt Ion:113 Resp: 312473

Ion Ratio Lower Upper

113 100

111 103.3 83.6 125.4

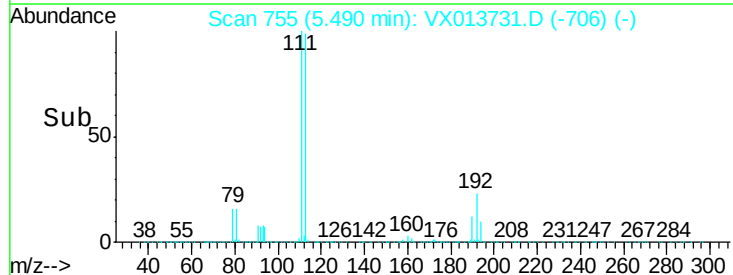
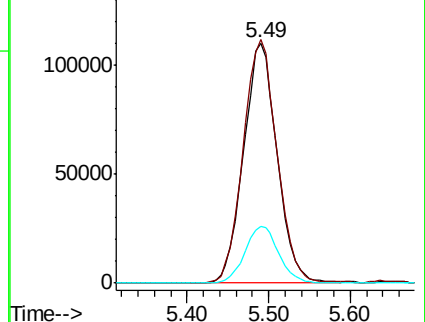
192 23.9 19.2 28.8

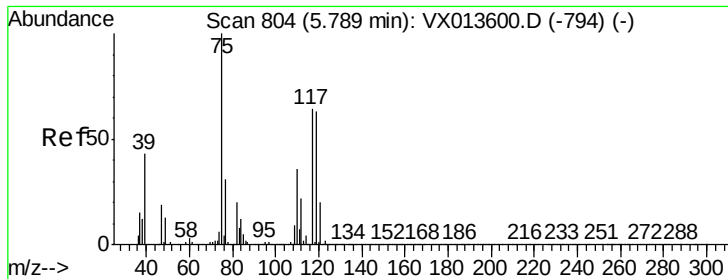


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

S39-0196

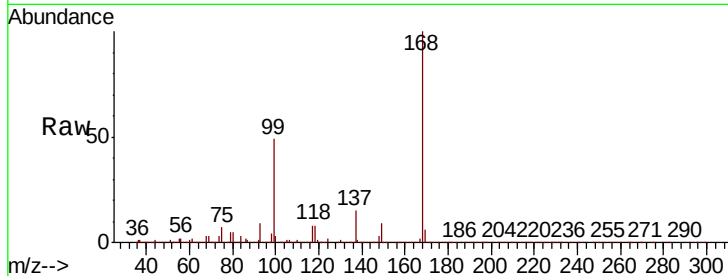
Tot Ion: 75 Resp: 47742

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.1#

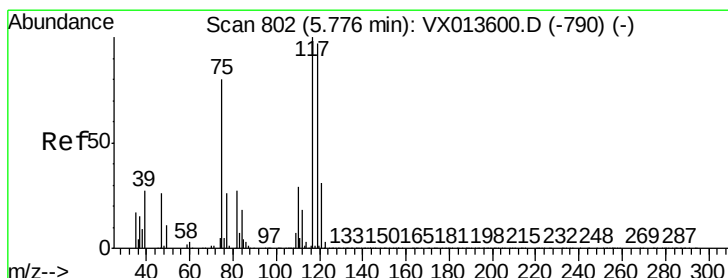
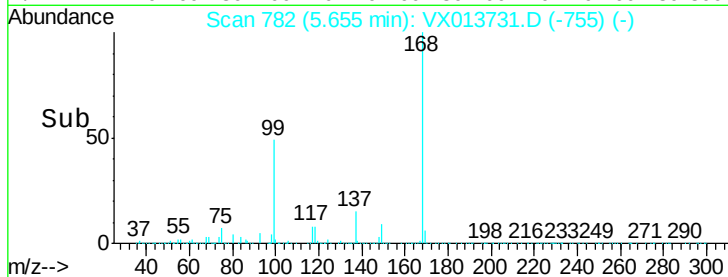
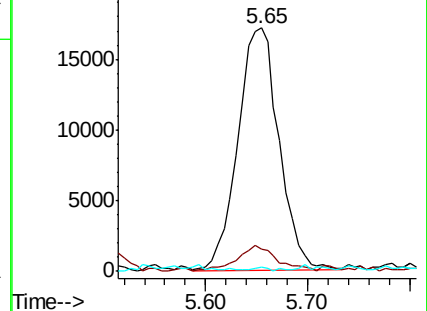
77 0.5 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.844 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

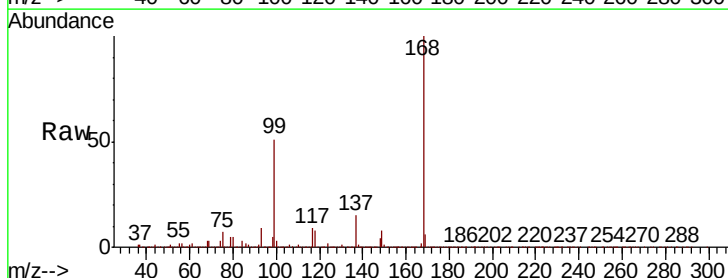
Tgt Ion: 117 Resp: 60323

Ion Ratio Lower Upper

117 100

119 5.0 77.5 116.3#

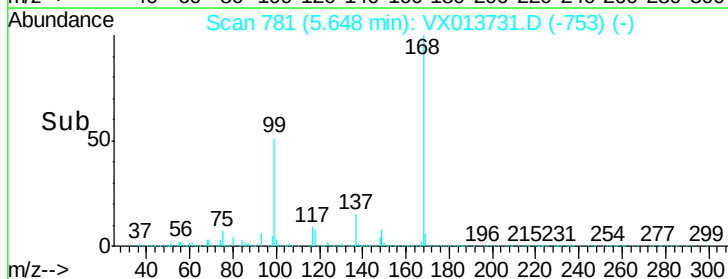
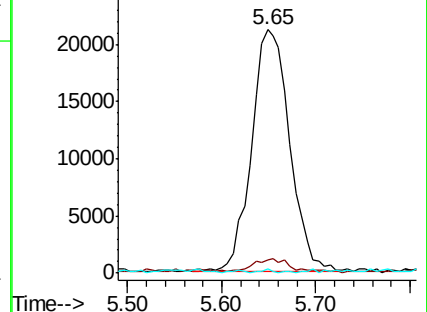
121 1.3 25.0 37.6#

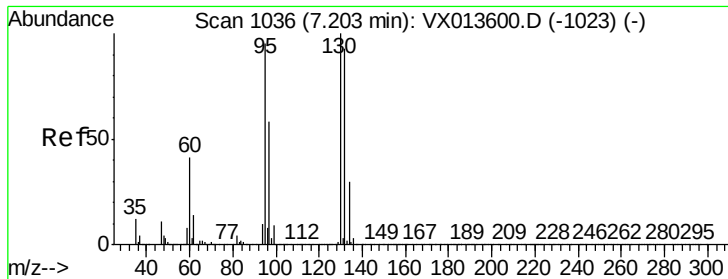


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 5.846 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampled :

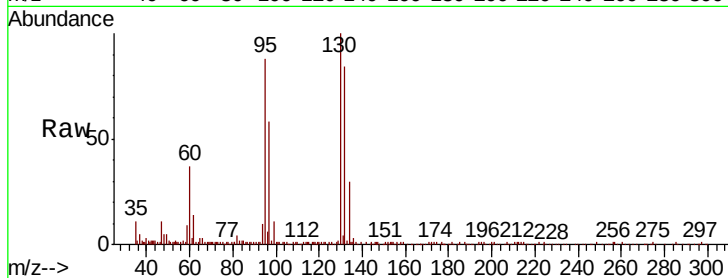
S39-0196

Tot Ion:130 Resp: 46708

Ion Ratio Lower Upper

130 100

95 87.9 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

25000

20000

15000

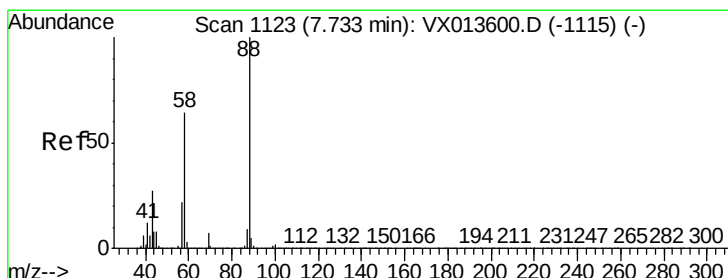
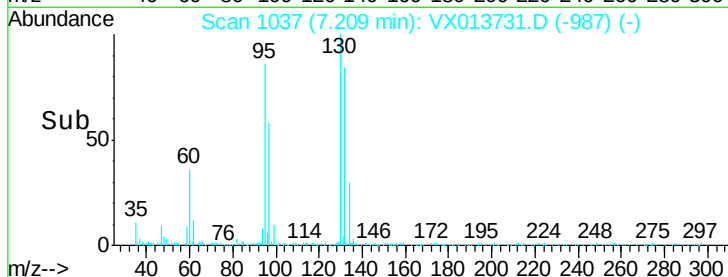
10000

5000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 2.307 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

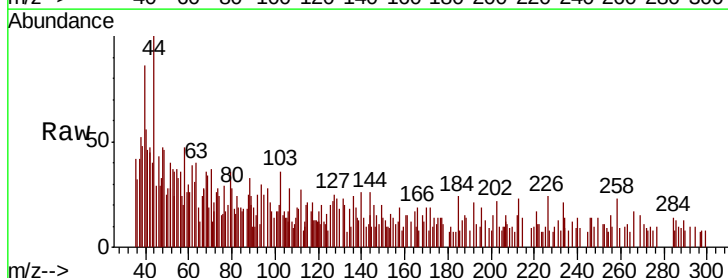
Tgt Ion: 88 Resp: 443

Ion Ratio Lower Upper

88 100

43 39.3 25.8 38.6#

58 44.0 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800

600

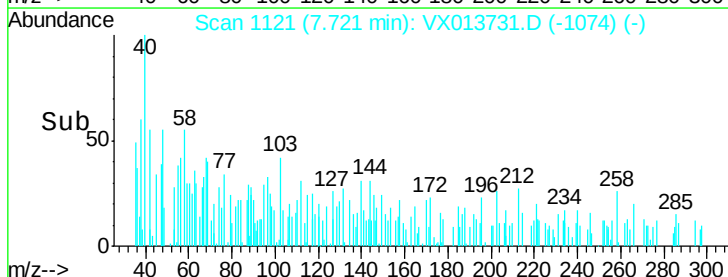
400

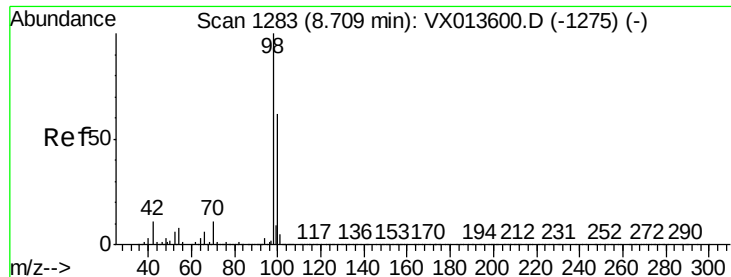
200

0

7.68 7.70 7.72 7.74

Time-->

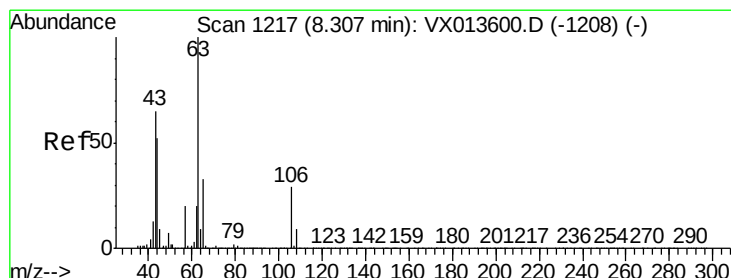
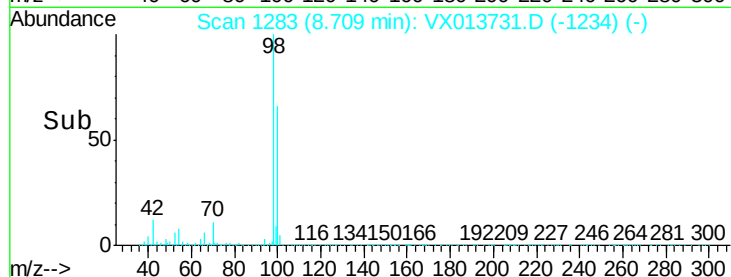
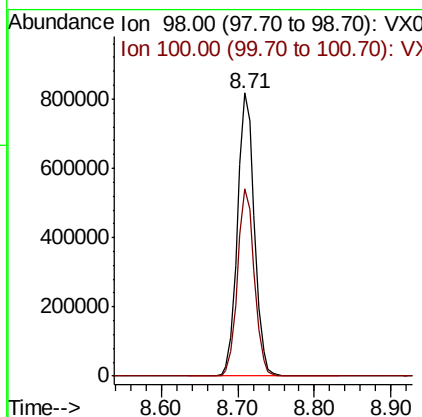
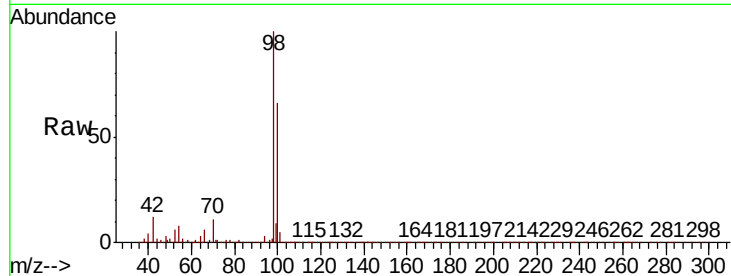




#50
Toluene-d8
Concen: 49.158 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

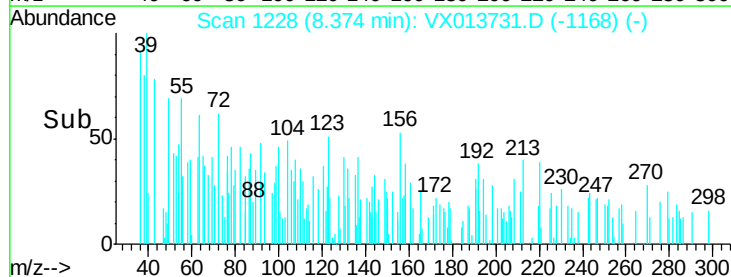
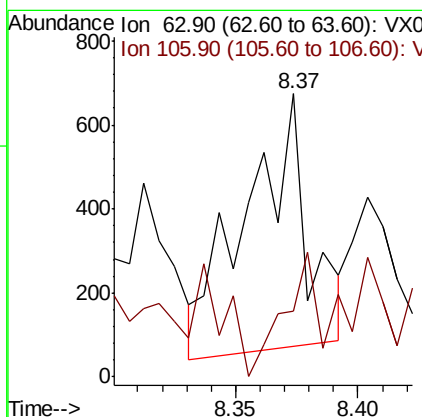
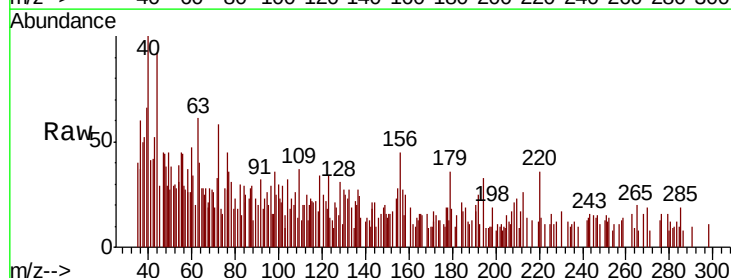
Instrument :
MSVOA_X
ClientSampleId :
S39-0196

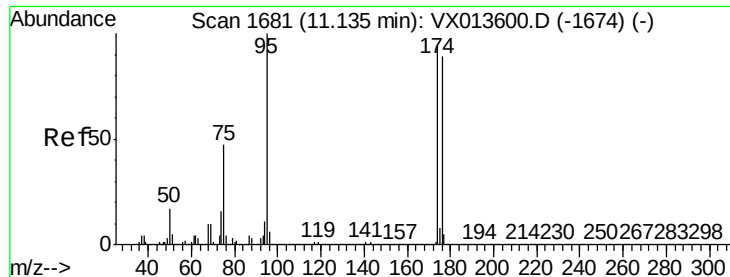
Tot Ion: 98 Resp: 1246782
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#58
2-Chloroethyl Vinyl ether
Concen: 0.232 ug/l
RT: 8.37 min Scan# 1228
Delta R.T. 0.07 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Tgt Ion: 63 Resp: 1066
Ion Ratio Lower Upper
63 100
106 25.8 23.4 35.0

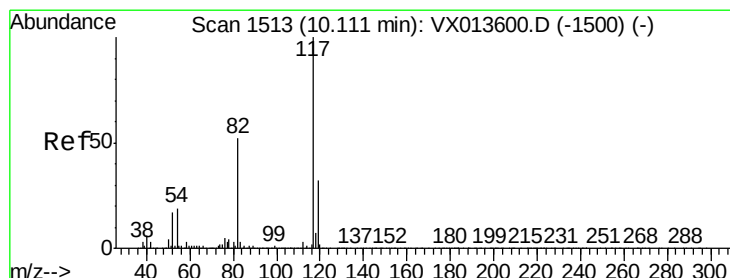
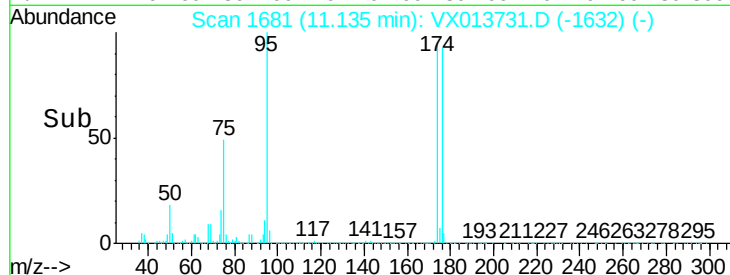
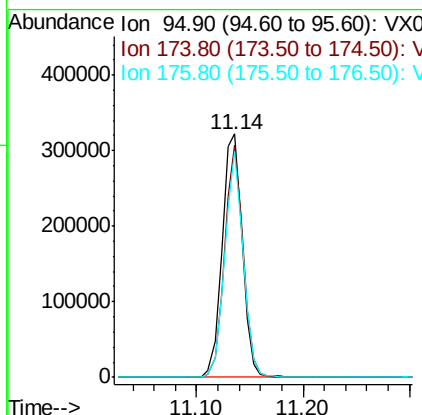
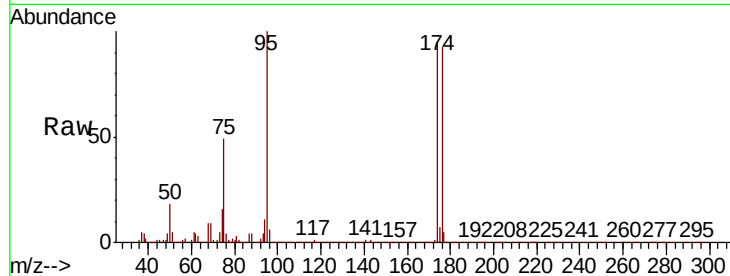




#62
4-Bromofluorobenzene
Concen: 46.430 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

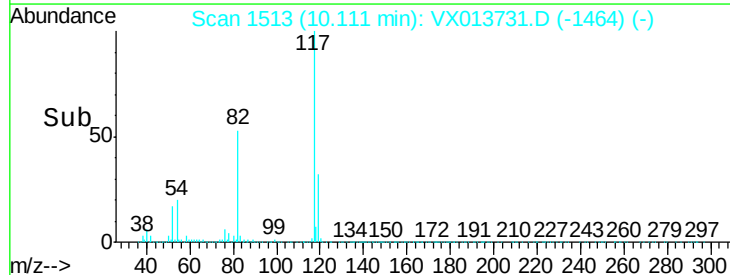
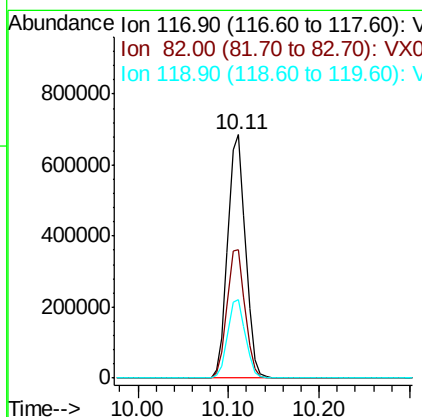
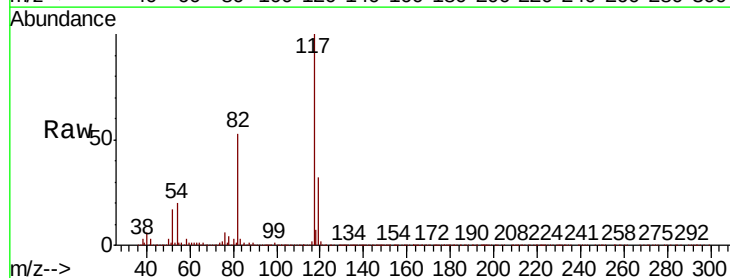
Instrument :
MSVOA_X
ClientSampled :
S39-0196

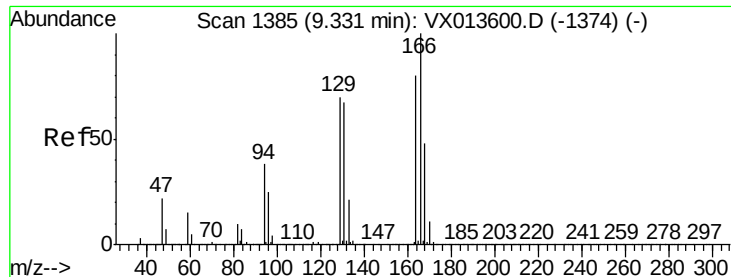
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	180.0
176	85.8	0.0	173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.5	41.8	62.8
119	32.2	25.8	38.8





#64

Tetrachloroethene

Concen: 0.225 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. 0.01 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

S39-0196

Tot Ion:164 Resp: 1567

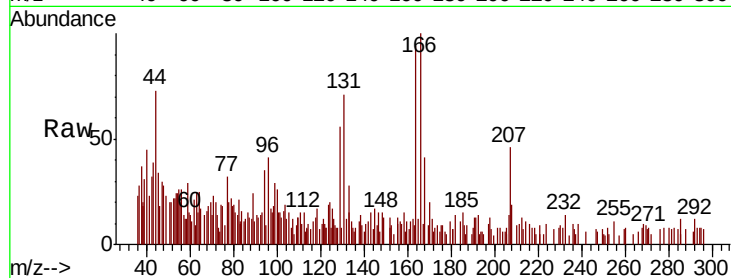
Ion Ratio Lower Upper

164 100

166 116.0 99.7 149.5

129 58.8 70.1 105.1#

131 60.3 66.9 100.3#

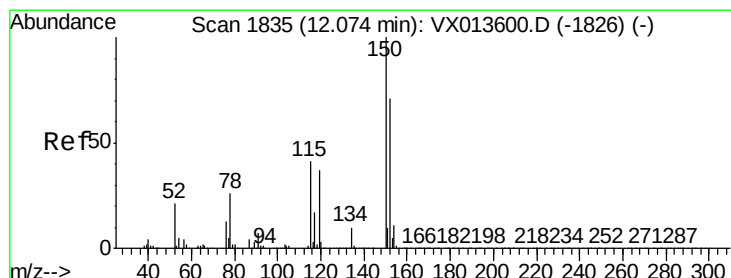
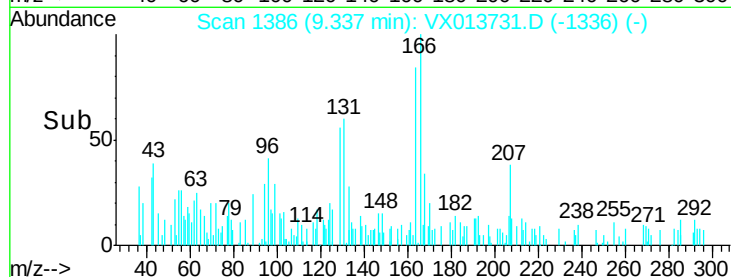
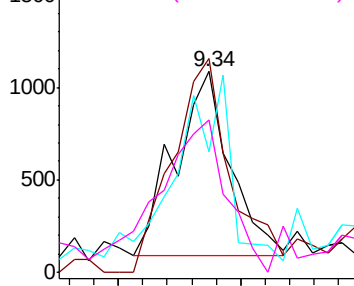


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): 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: VX013731.D

Acq: 03 Dec 2019 17:44

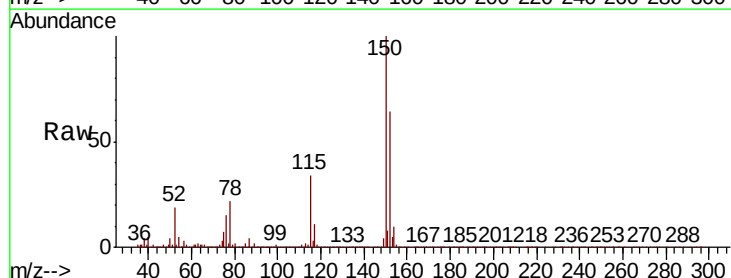
Tgt Ion:152 Resp: 424793

Ion Ratio Lower Upper

152 100

115 55.2 38.4 115.1

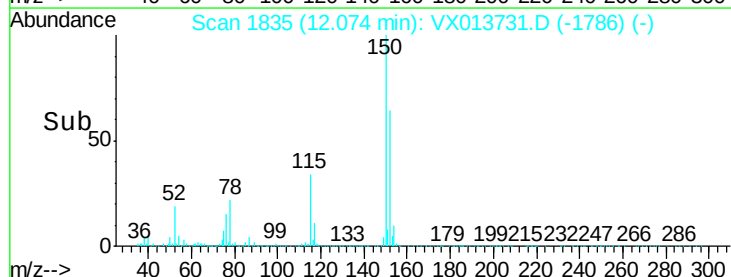
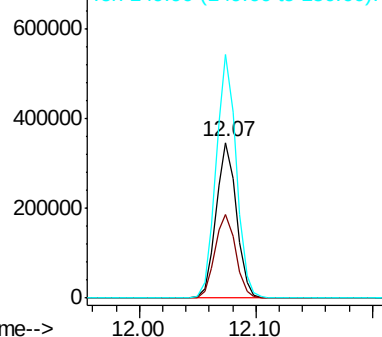
150 155.9 0.0 346.8

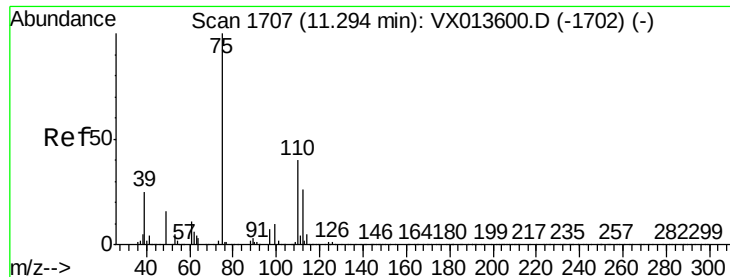


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.552 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

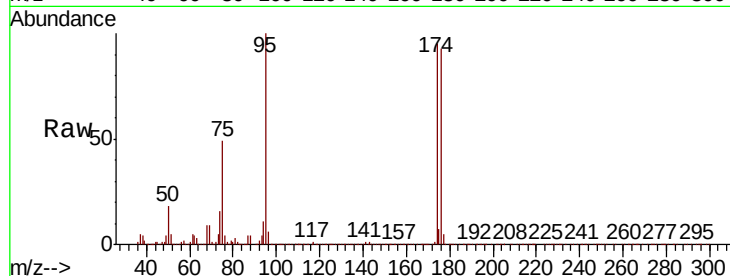
S39-0196

Tot Ion: 75 Resp: 205919

Ion Ratio Lower Upper

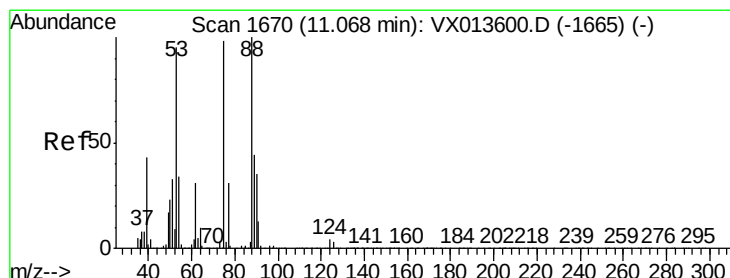
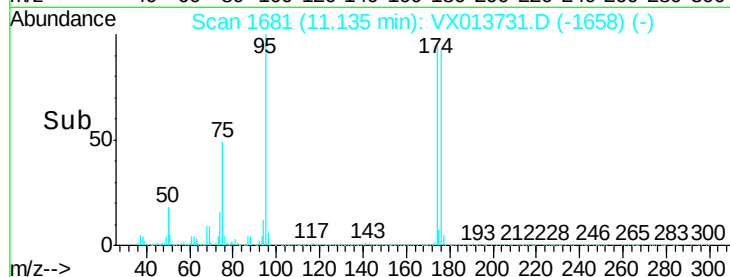
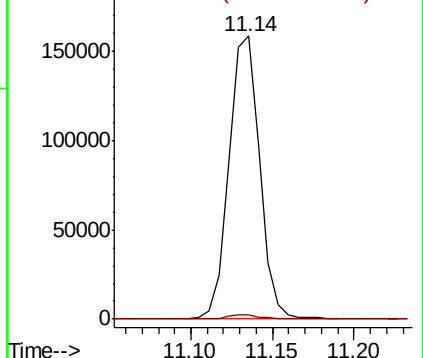
75 100

77 1.6 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 58.964 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013731.D

Acq: 03 Dec 2019 17:44

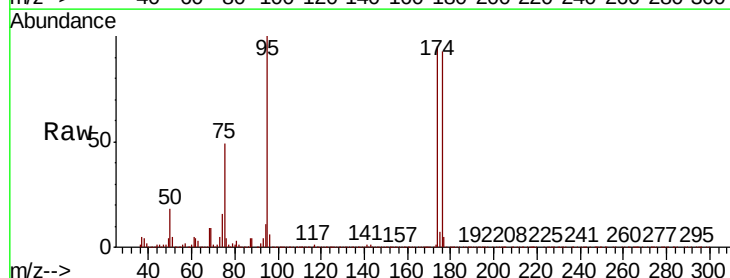
Tgt Ion: 75 Resp: 205919

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.2#

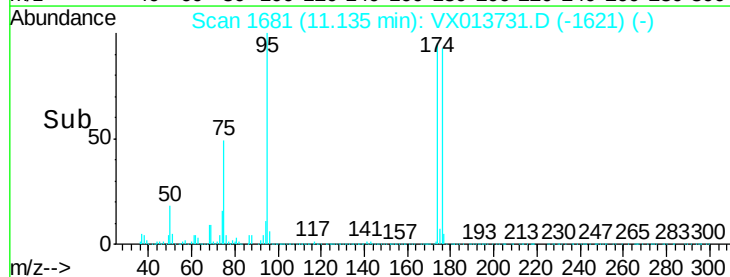
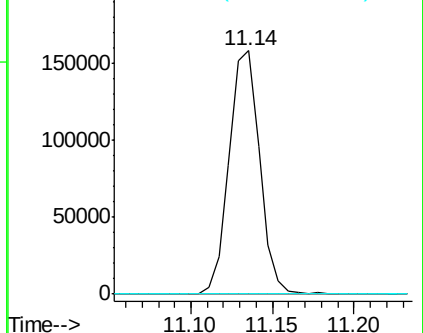
89 0.0 35.4 53.2#

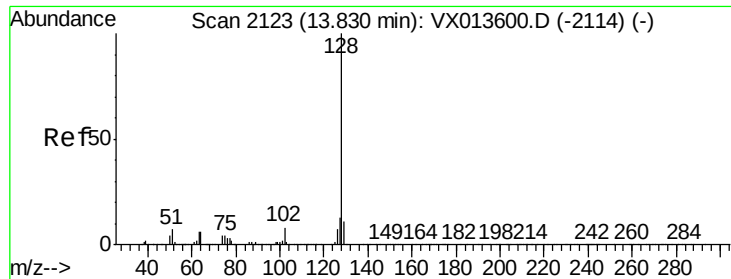


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#95
Naphthalene
Concen: 0.445 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013731.D
Acq: 03 Dec 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :
S39-0196

Tot Ion:128 Resp: 12794
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 10.8 8.7 13.1

