

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013683.D
 Acq On : 28 Nov 2019 04:18
 Operator : JC/SP
 Sample : K6079-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0200

Quant Time: Nov 29 00:40:35 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	691981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1085822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	965920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	425351	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	392739	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	
35) Dibromofluoromethane	5.49	113	320688	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	
50) Toluene-d8	8.71	98	1284998	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	429073	45.50	ug/l	0.00
Spiked Amount			Recovery	=	91.00%	

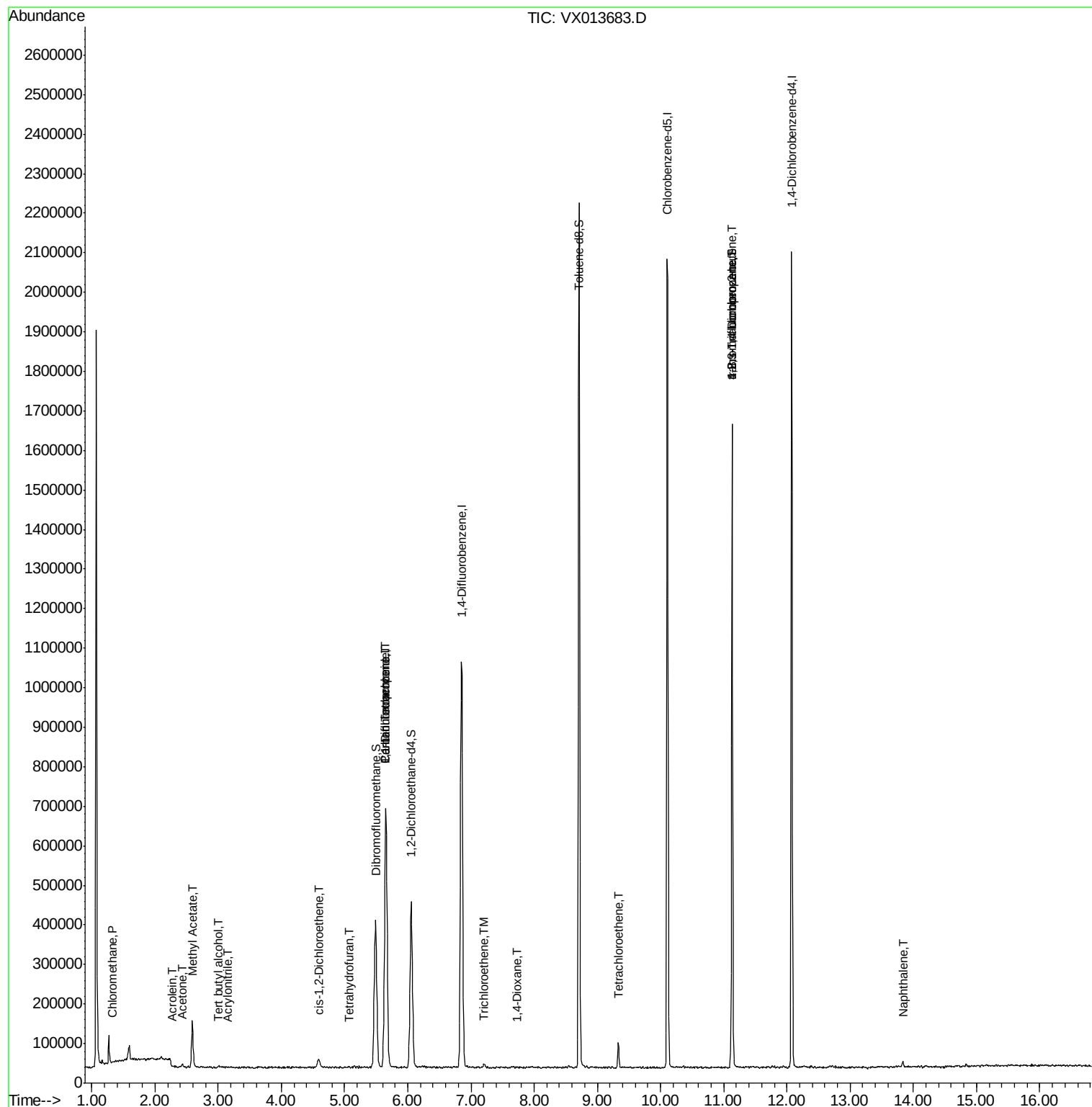
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1829	0.212	ug/l	98
11) Tert butyl alcohol	3.01	59	1679	0.847	ug/l #	1
13) Acrolein	2.28	56	236	6.177	ug/l #	1
15) Acrylonitrile	3.14	53	840	0.205	ug/l #	10
16) Acetone	2.43	43	10224	2.578	ug/l #	83
18) Methyl Acetate	2.59	43	33546	3.038	ug/l #	52
27) cis-1,2-Dichloroethene	4.59	96	15228	1.848	ug/l	80
29) Tetrahydrofuran	5.08	42	1542	0.424	ug/l #	62
36) 1,1-Dichloropropene	5.65	75	44757	4.541	ug/l #	51
38) Carbon Tetrachloride	5.65	117	61039	6.716	ug/l #	15
44) Trichloroethene	7.22	130	3898	0.473	ug/l	58
49) 1,4-Dioxane	7.73	88	169	0.854	ug/l #	1
64) Tetrachloroethene	9.33	164	12735	1.768	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	208753	21.820	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	208753	59.697	ug/l #	11
95) Naphthalene	13.84	128	11332	0.393	ug/l #	86

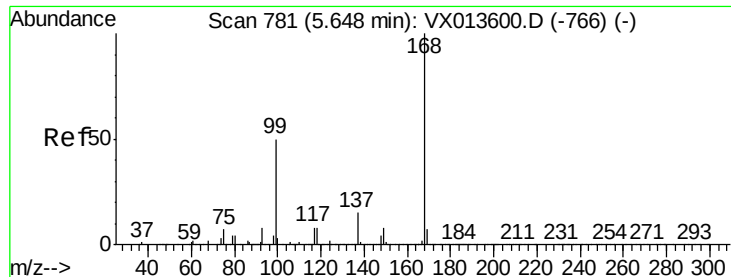
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampled :

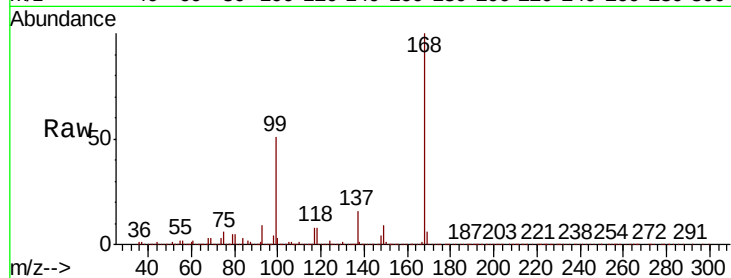
S39-0200

Tot Ion:168 Resp: 691981

Ion Ratio Lower Upper

168 100

99 50.7 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

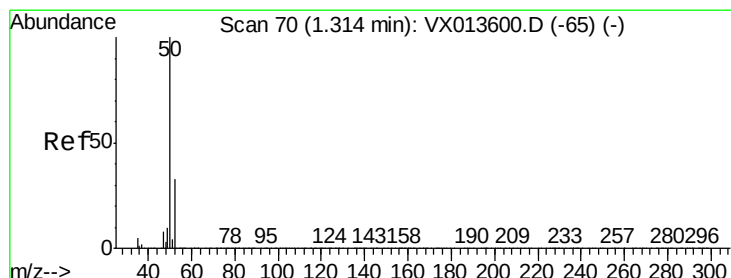
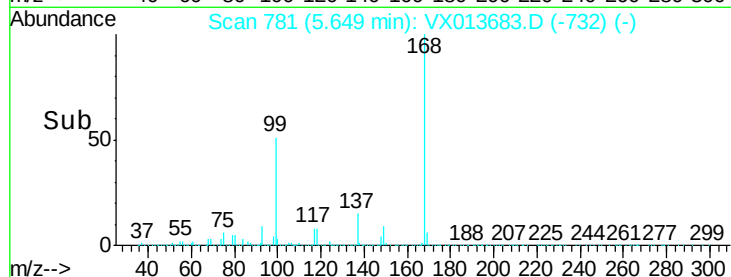
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.212 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013683.D

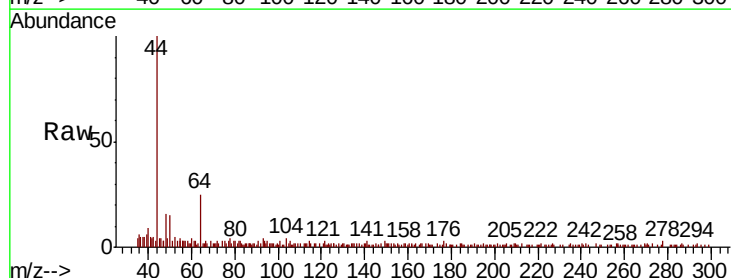
Acq: 28 Nov 2019 04:18

Tgt Ion: 50 Resp: 1829

Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

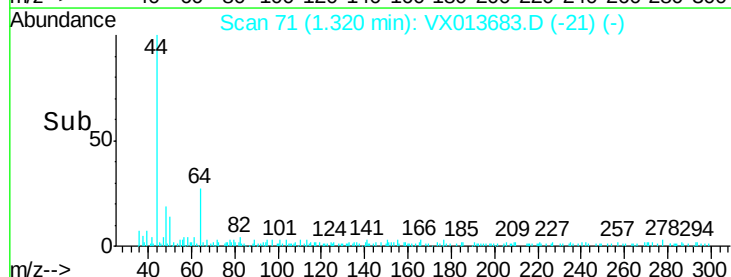
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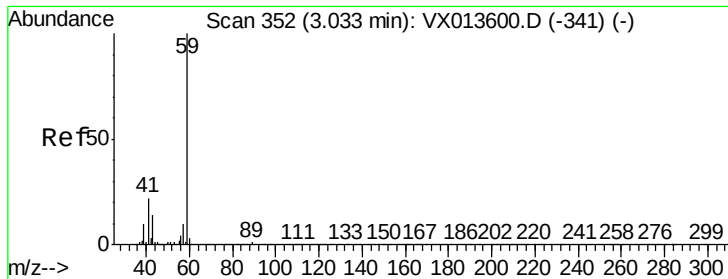
1000

500

0

Time-->



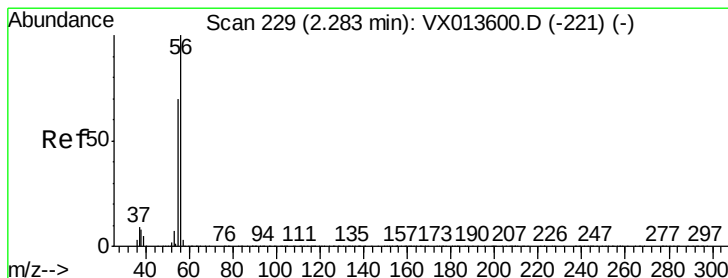
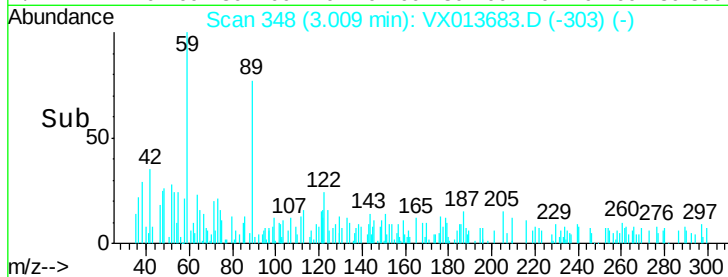
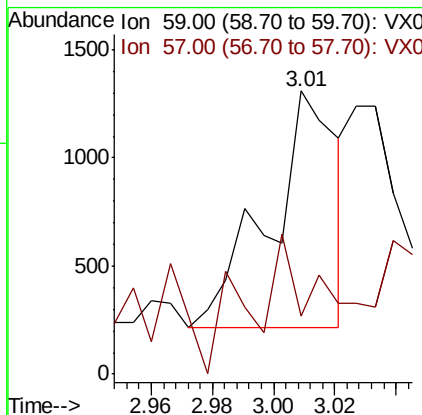
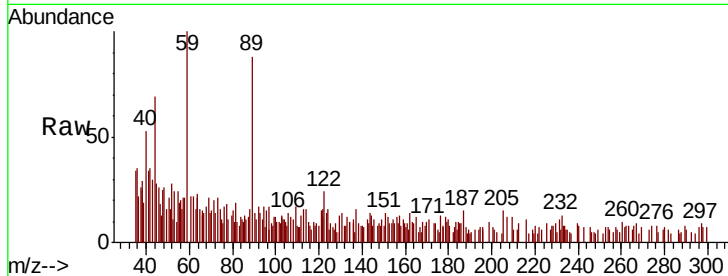


#11

Tert butyl alcohol
Concen: 0.847 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Instrument :
MSVOA_X
ClientSampleId :
S39-0200

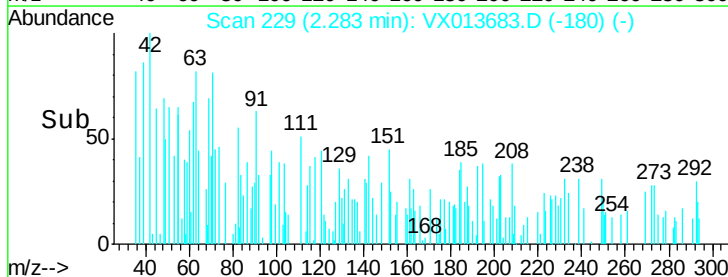
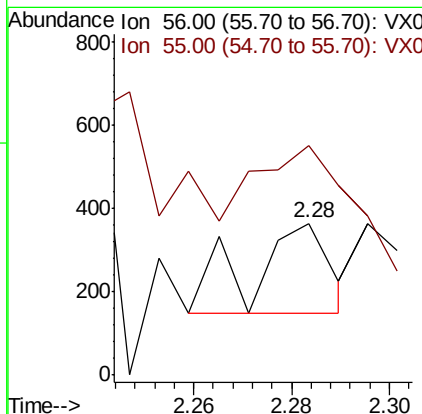
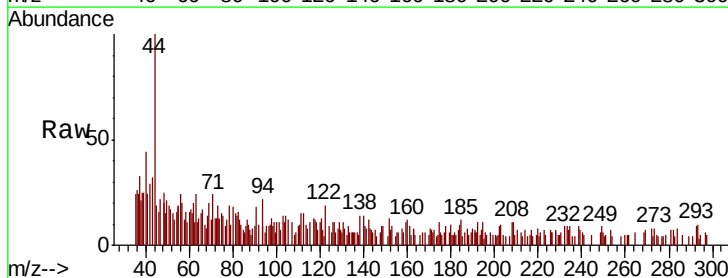
Tot Ion: 59 Resp: 1679
Ion Ratio Lower Upper
59 100
57 58.5 7.8 11.6#

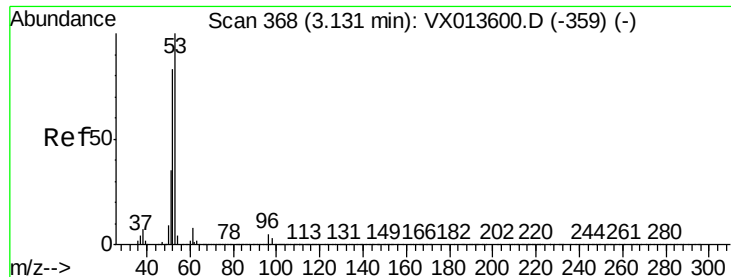


#13

Acrolein
Concen: 6.177 ug/l
RT: 2.28 min Scan# 229
Delta R.T. 0.00 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Tgt Ion: 56 Resp: 236
Ion Ratio Lower Upper
56 100
55 344.1 56.2 84.4#





#15

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampleId :

S39-0200

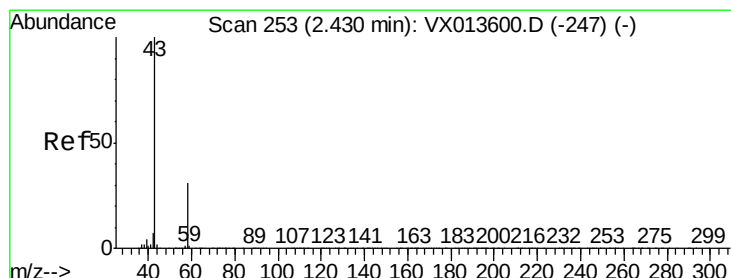
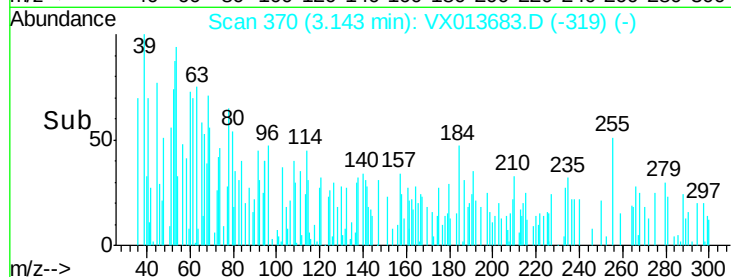
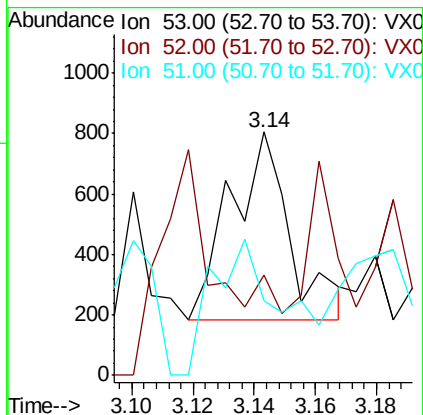
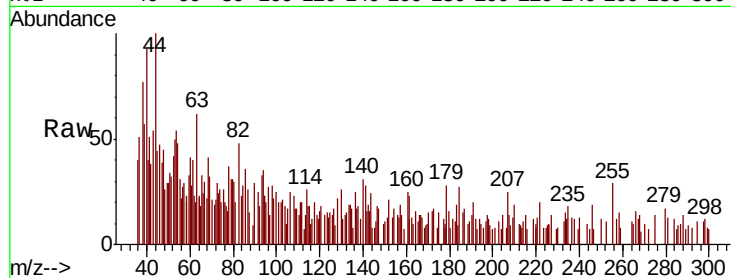
Tot Ion: 53 Resp: 840

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

51 86.0 29.0 43.6#



#16

Acetone

Concen: 2.578 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013683.D

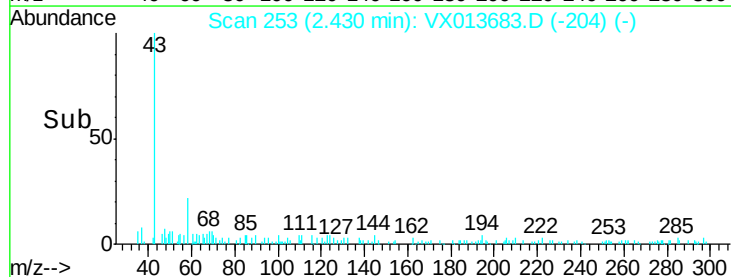
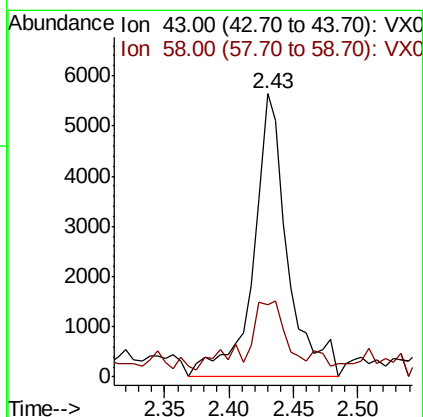
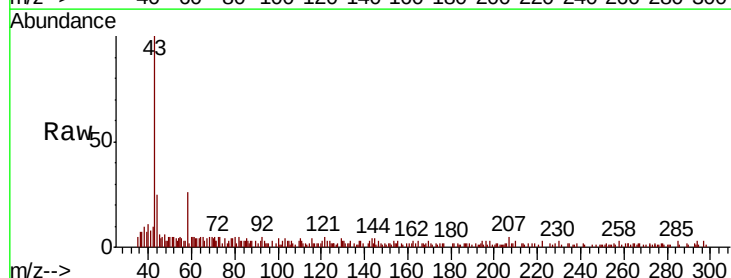
Acq: 28 Nov 2019 04:18

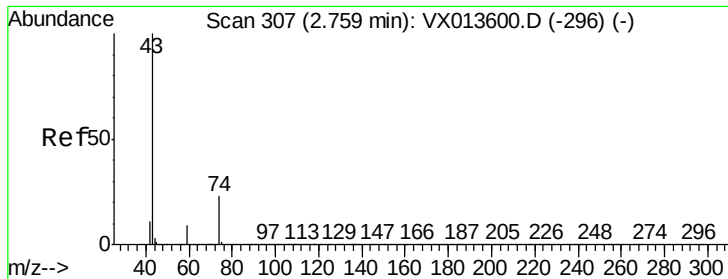
Tgt Ion: 43 Resp: 10224

Ion Ratio Lower Upper

43 100

58 21.6 24.6 36.8#

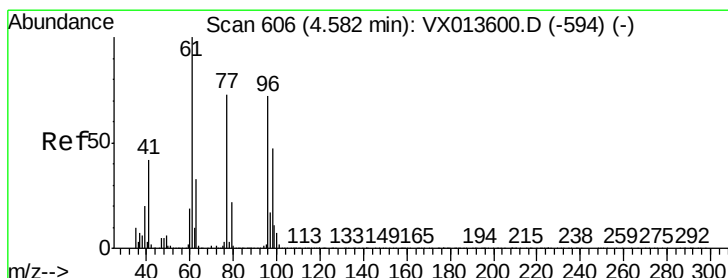
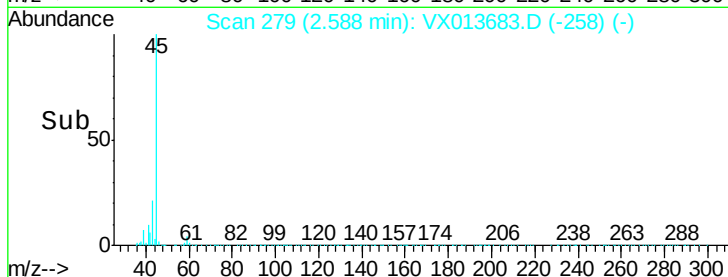
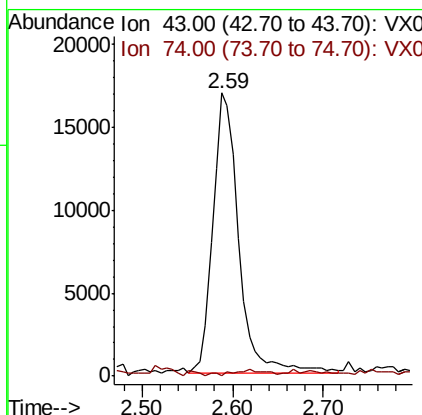
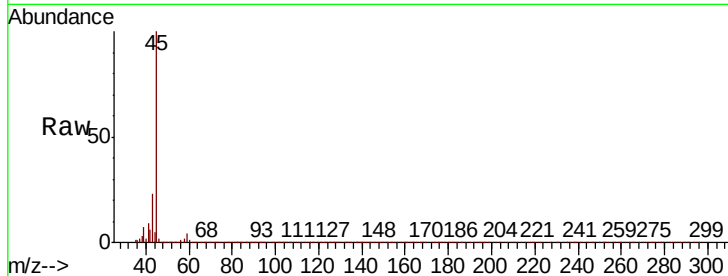




#18
Methyl Acetate
Concen: 3.038 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.17 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

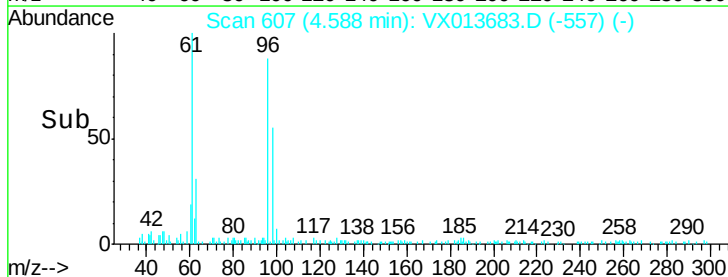
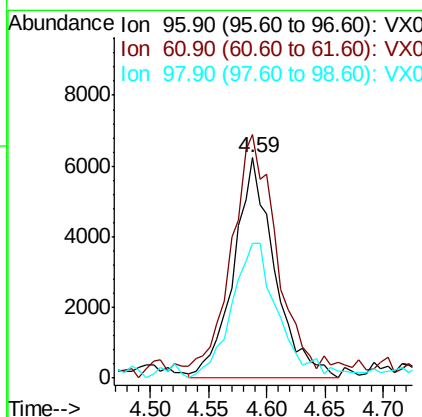
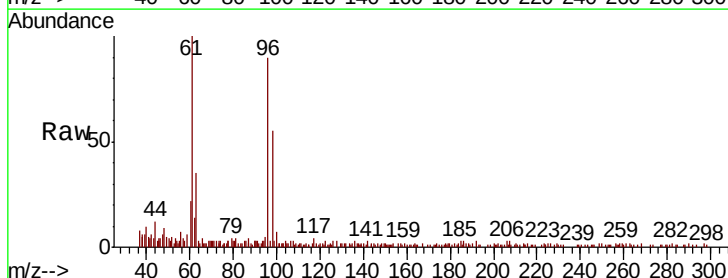
Instrument :
MSVOA_X
ClientSampleId :
S39-0200

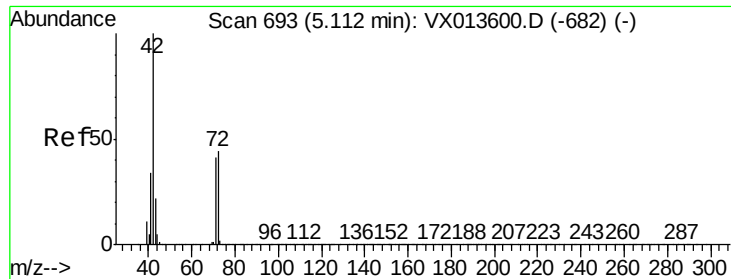
Tot Ion: 43 Resp: 33546
Ion Ratio Lower Upper
43 100
74 0.4 19.5 29.3#



#27
cis-1,2-Dichloroethene
Concen: 1.848 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Tgt Ion: 96 Resp: 15228
Ion Ratio Lower Upper
96 100
61 112.1 0.0 286.4
98 70.4 0.0 127.4





#29

Tetrahydrofuran

Concen: 0.424 ug/l

RT: 5.08 min Scan# 687

Delta R.T. -0.04 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampled :

S39-0200

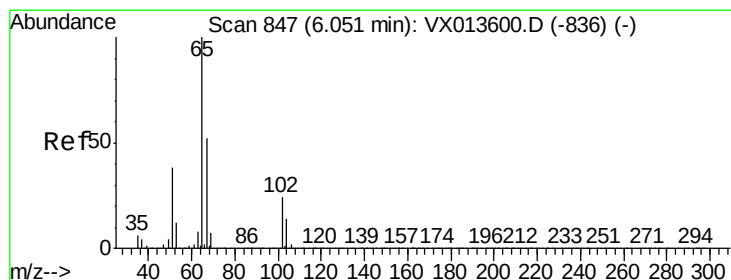
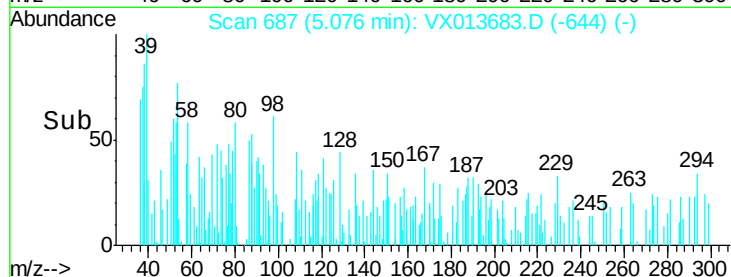
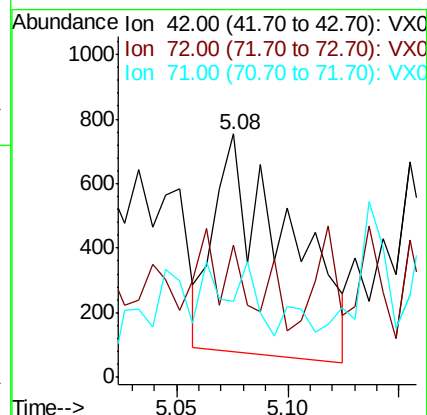
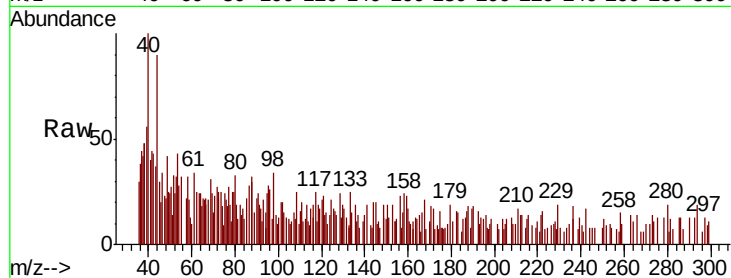
Tot Ion: 42 Resp: 1542

Ion Ratio Lower Upper

42 100

72 37.0 36.3 54.5

71 0.0 33.2 49.8#



#33

1,2-Dichloroethane-d4

Concen: 48.895 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013683.D

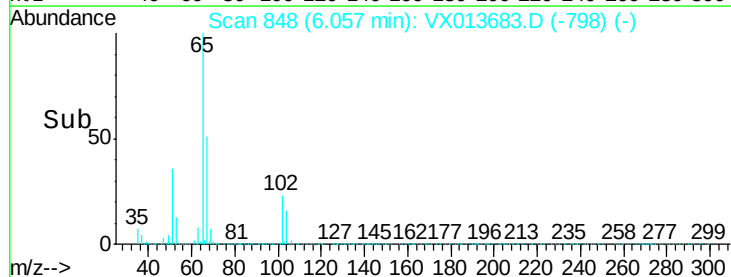
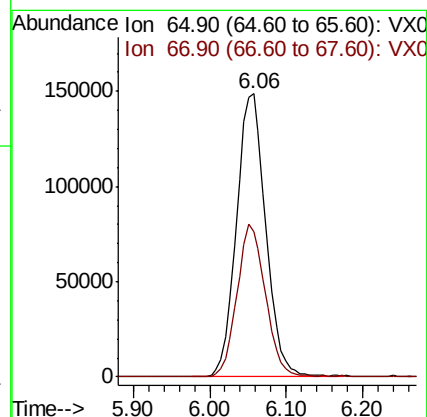
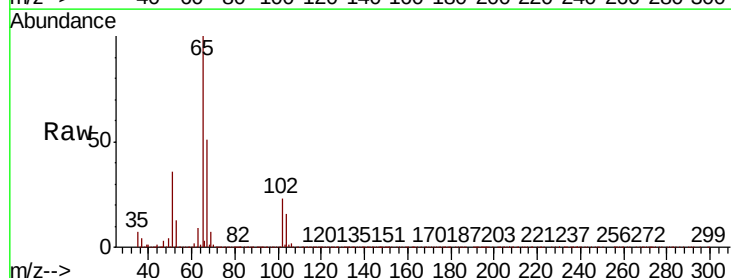
Acq: 28 Nov 2019 04:18

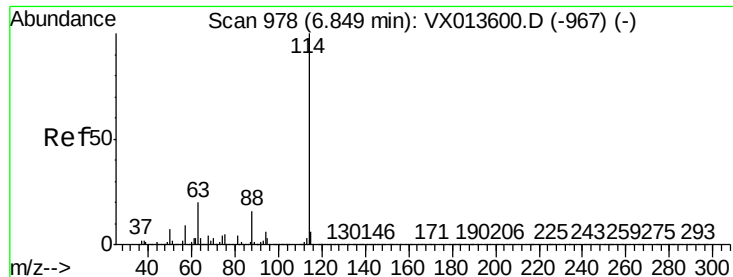
Tgt Ion: 65 Resp: 392739

Ion Ratio Lower Upper

65 100

67 52.7 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

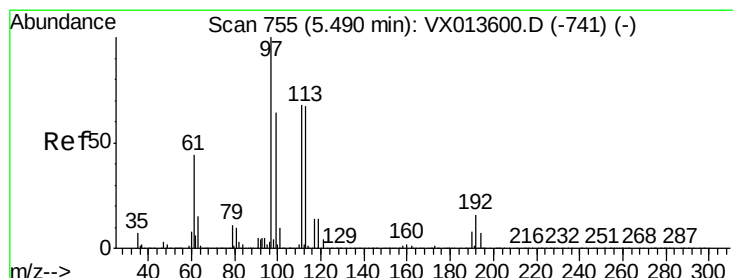
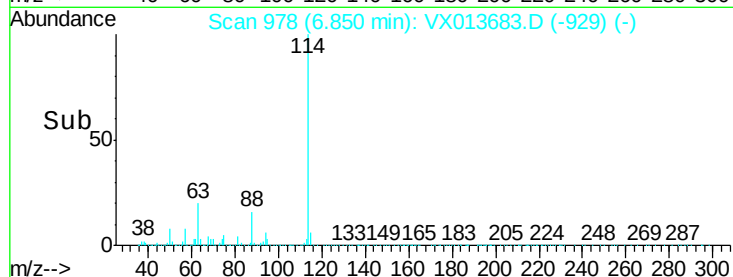
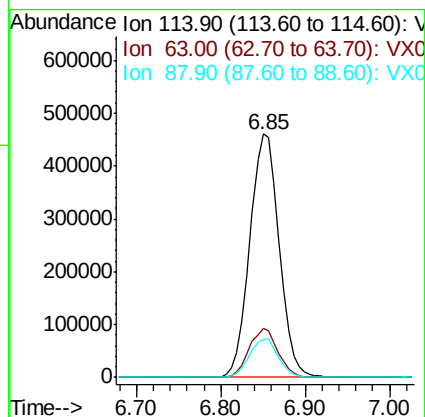
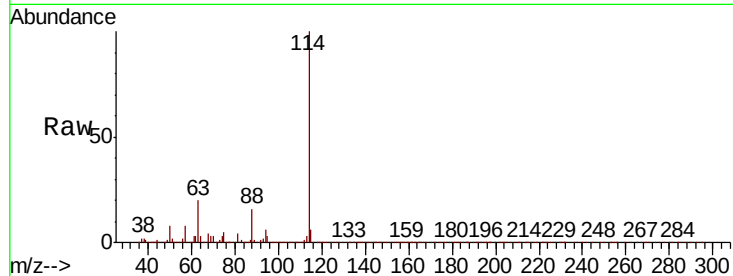
Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :
MSVOA_X
ClientSampleId :
S39-0200

Tot Ion:114 Resp: 1085822

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.6
88	15.5	0.0	31.4



#35

Dibromofluoromethane

Concen: 47.773 ug/l

RT: 5.49 min Scan# 755

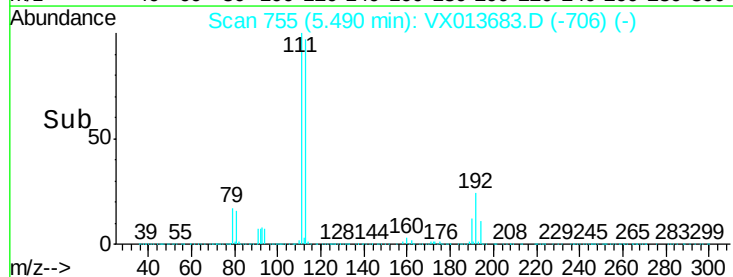
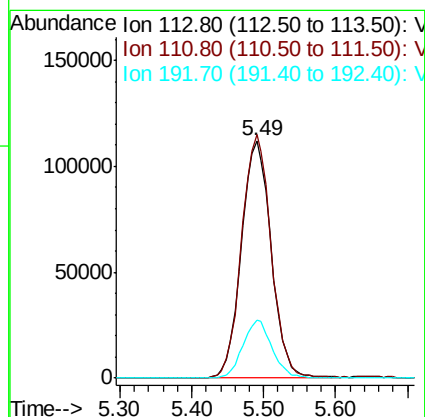
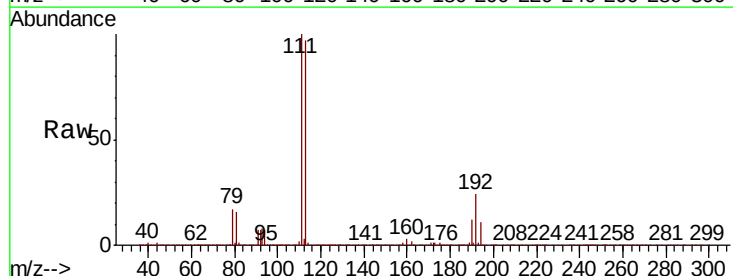
Delta R.T. 0.00 min

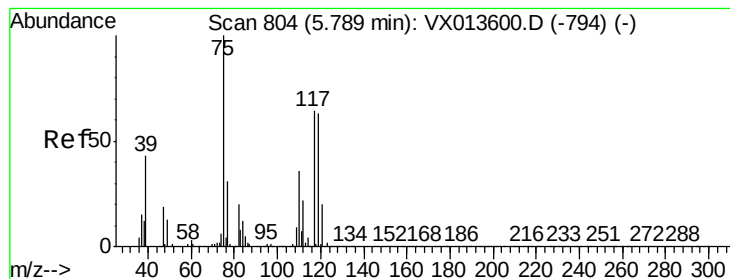
Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Tgt Ion:113 Resp: 320688

Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.6	125.4
192	24.1	19.2	28.8





#36

1,1-Dichloropropene

Concen: 4.541 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampleId :

S39-0200

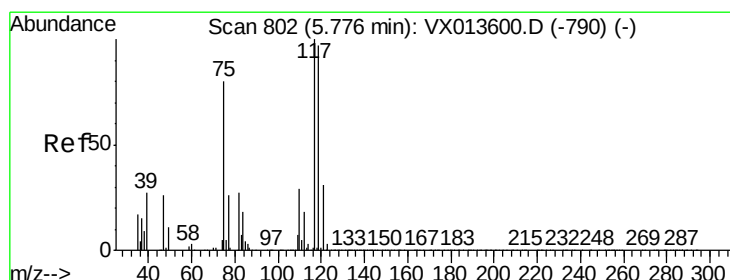
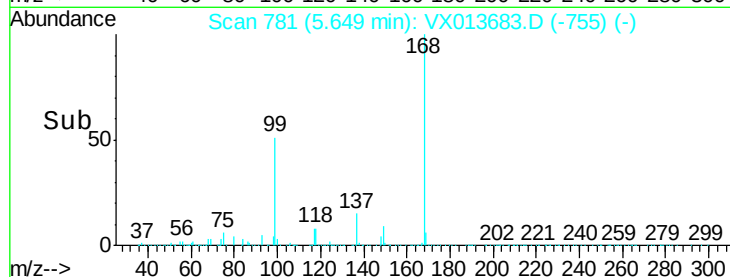
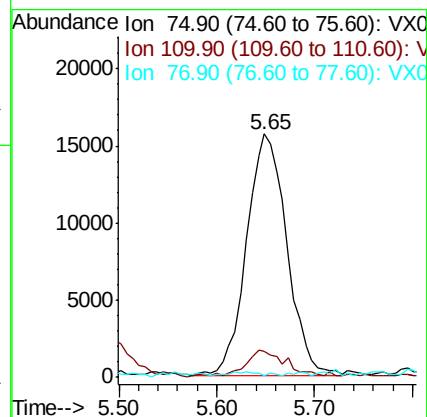
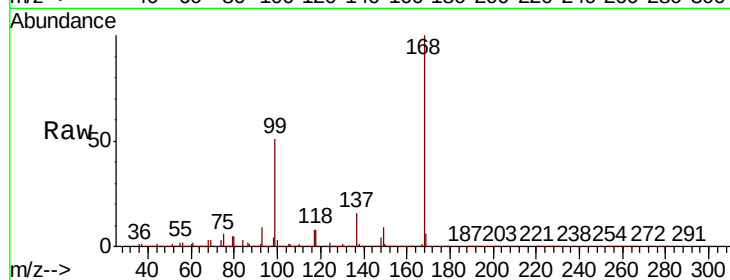
Tot Ion: 75 Resp: 44757

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.716 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

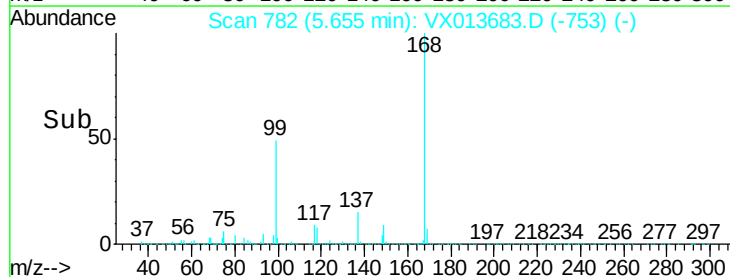
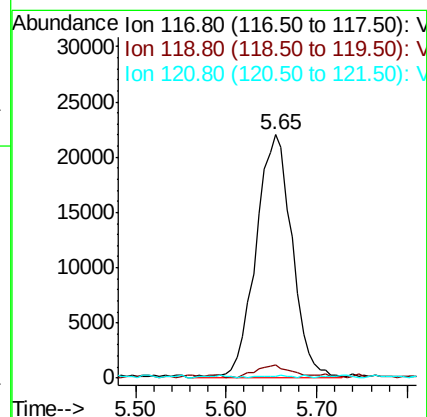
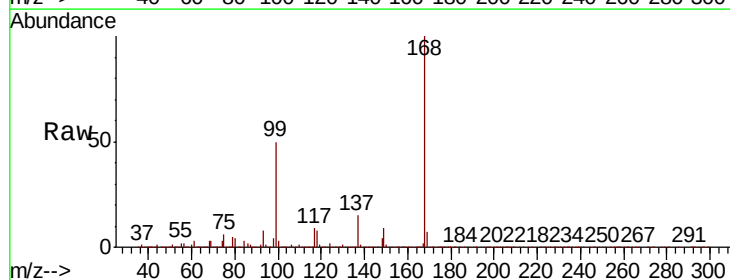
Tgt Ion: 117 Resp: 61039

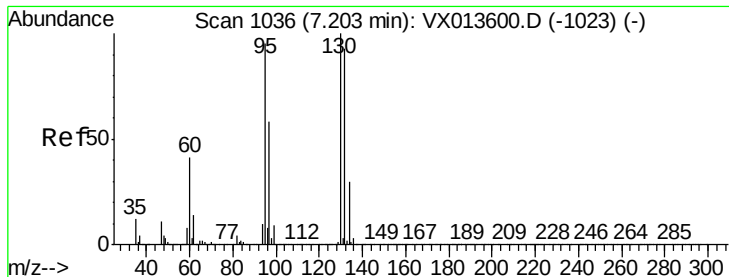
Ion Ratio Lower Upper

117 100

119 4.5 77.5 116.3#

121 0.7 25.0 37.6#





#44

Trichloroethene

Concen: 0.473 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampled :

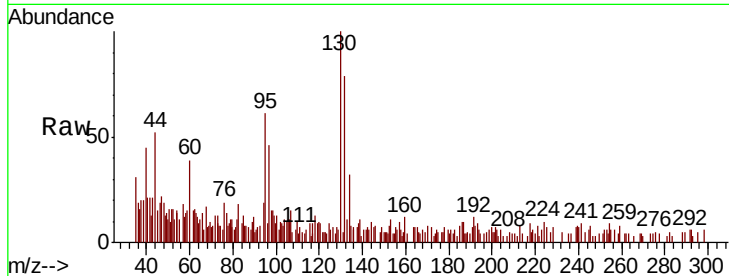
S39-0200

Tot Ion:130 Resp: 3898

Ion Ratio Lower Upper

130 100

95 54.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

1500

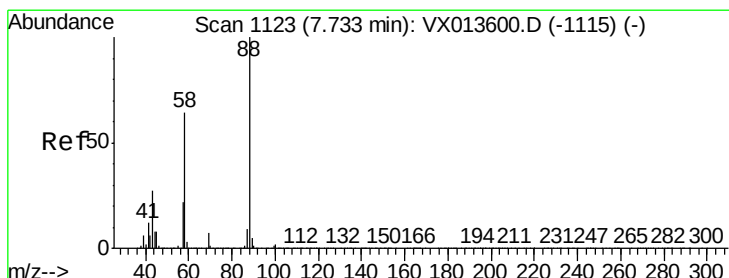
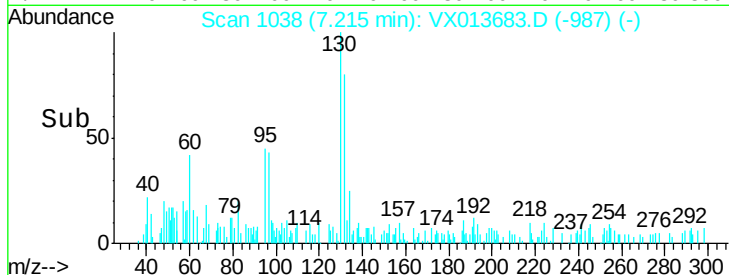
1000

500

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 0.854 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

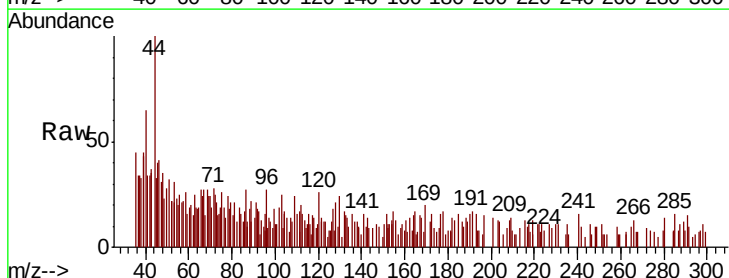
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 679.9 25.8 38.6#

58 446.7 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

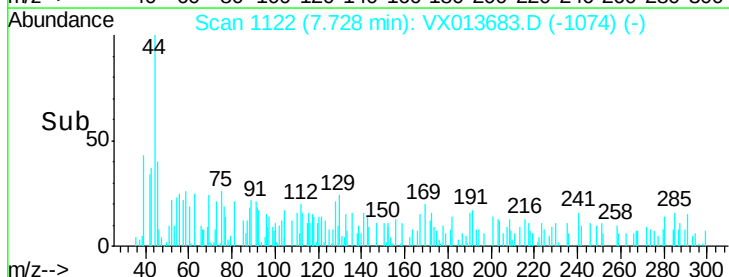
400

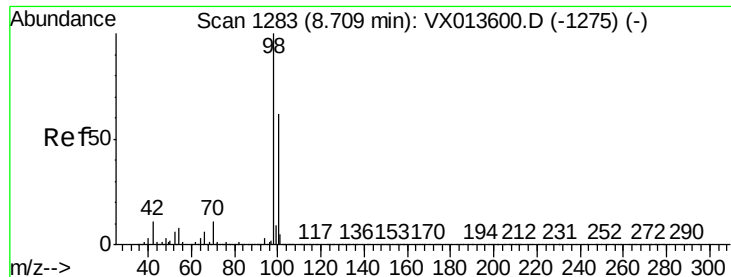
200

0

7.70 7.72 7.74

Time-->





#50

Toluene-d8

Concen: 49.133 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampleId :

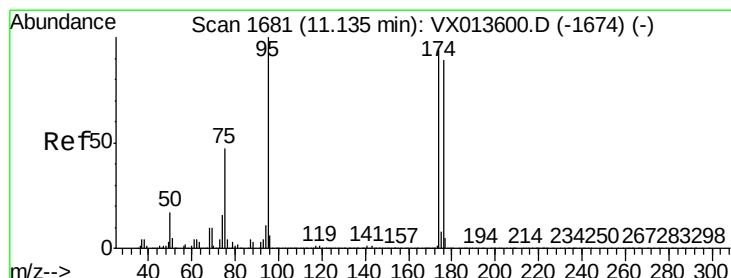
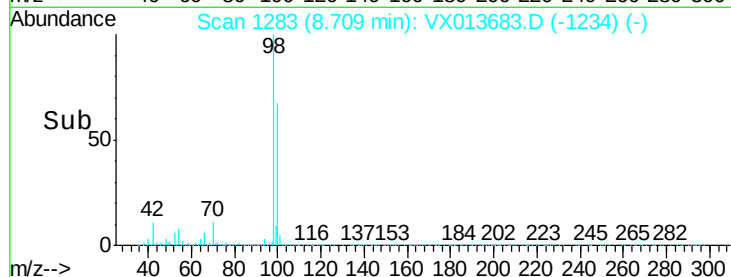
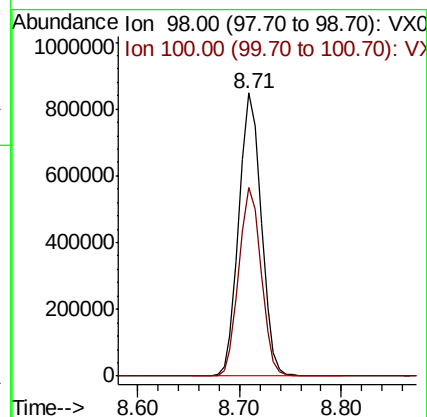
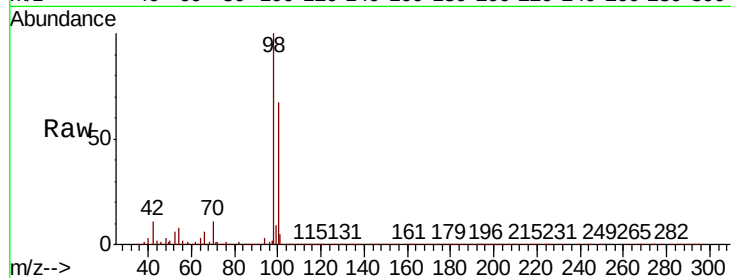
S39-0200

Tot Ion: 98 Resp: 1284998

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 45.496 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX013683.D

Acq: 28 Nov 2019 04:18

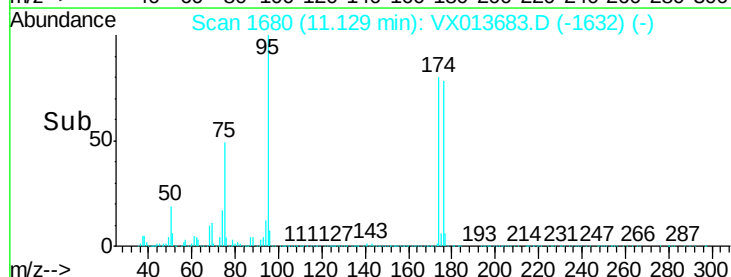
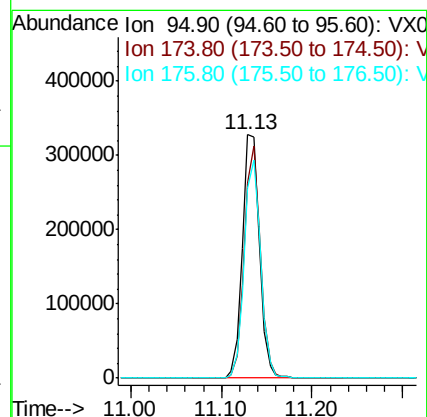
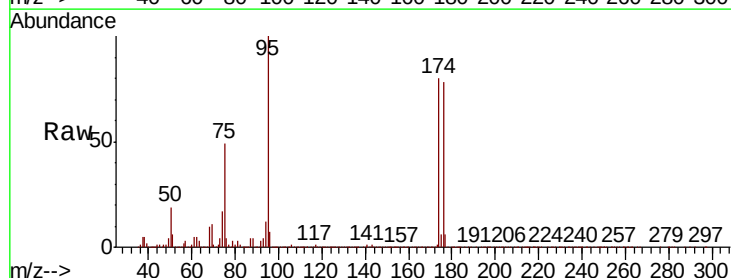
Tgt Ion: 95 Resp: 429073

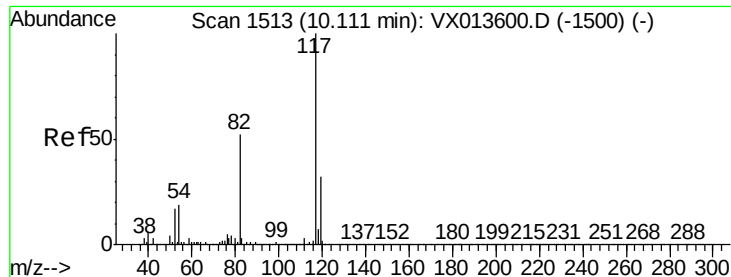
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.0

176 86.9 0.0 173.6

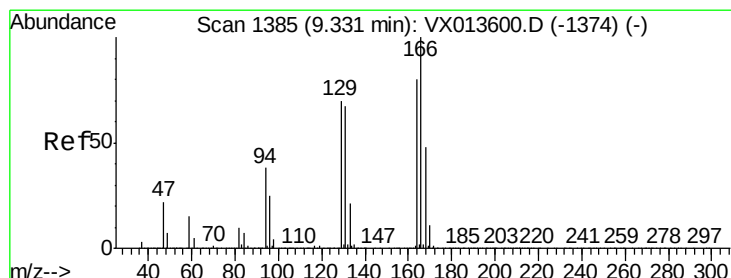
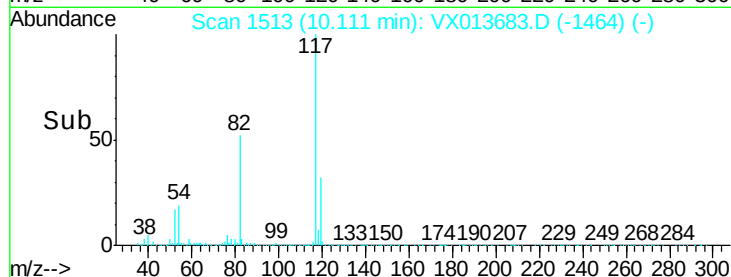
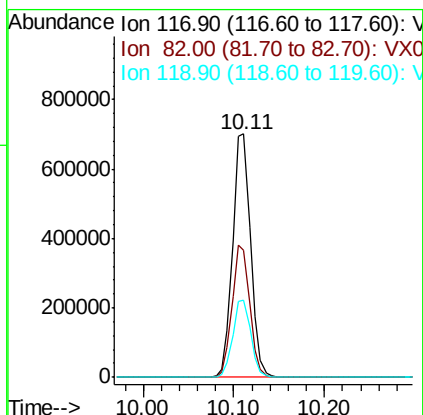
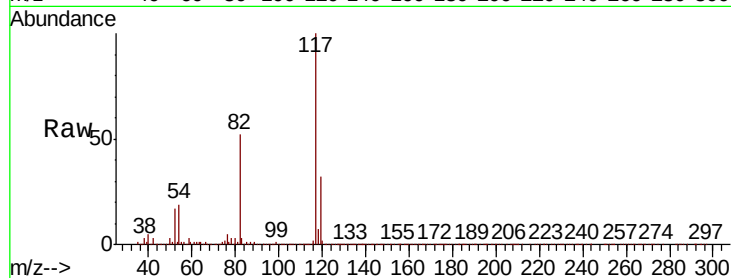




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

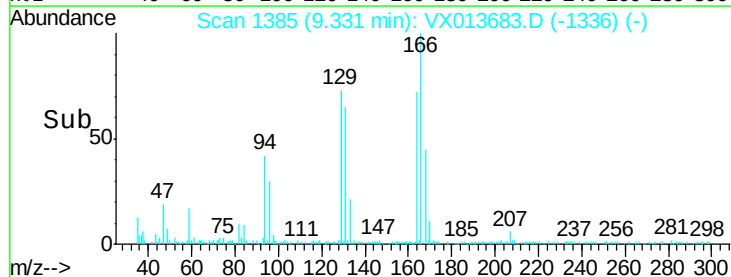
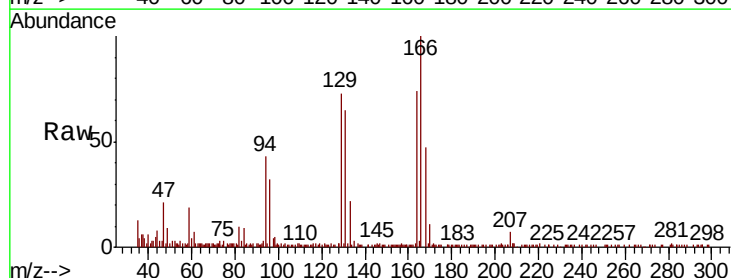
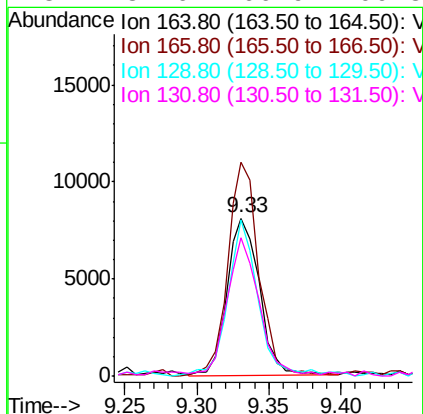
Instrument :
MSVOA_X
ClientSampleId :
S39-0200

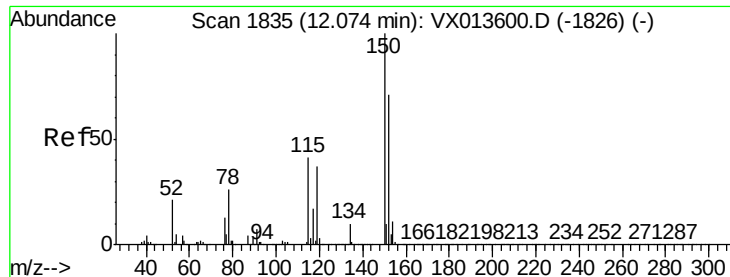
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.8	62.8
119	31.9	25.8	38.8



#64
Tetrachloroethene
Concen: 1.768 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.5	99.7	149.5
129	99.5	70.1	105.1
131	87.6	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: VX013683.D

Acq: 28 Nov 2019 04:18

Instrument :

MSVOA_X

ClientSampleId :

S39-0200

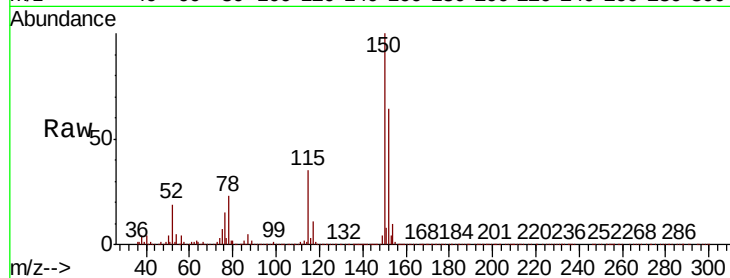
Tot Ion:152 Resp: 425351

Ion Ratio Lower Upper

152 100

115 55.8 38.4 115.1

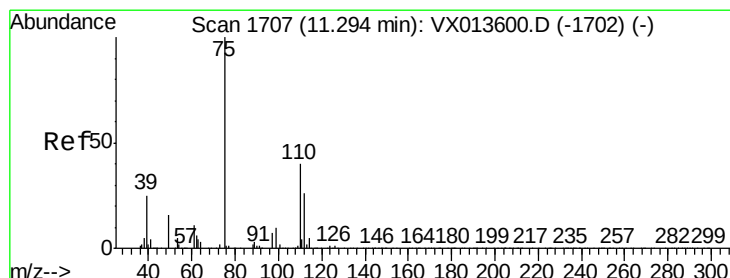
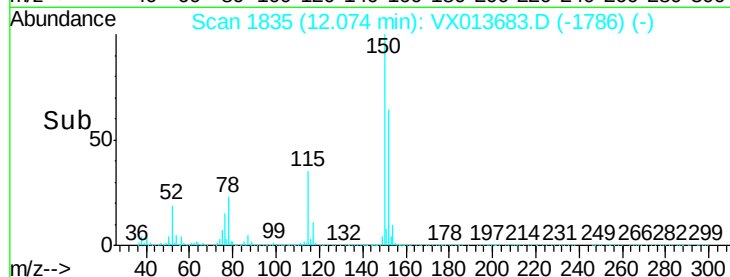
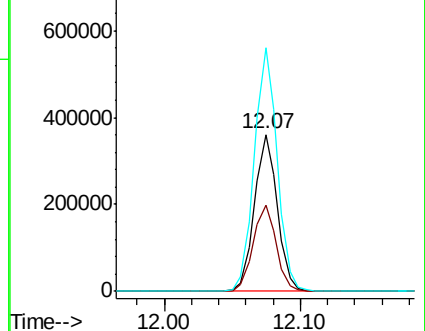
150 156.4 0.0 346.8



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: 21.820 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013683.D

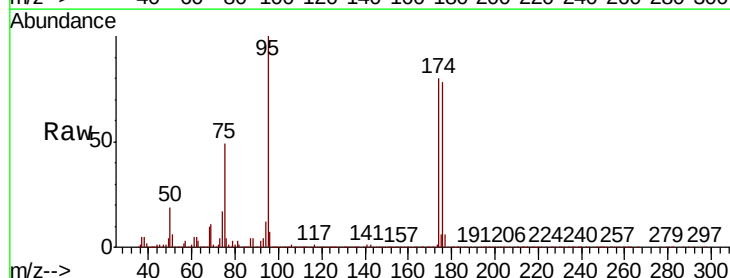
Acq: 28 Nov 2019 04:18

Tgt Ion: 75 Resp: 208753

Ion Ratio Lower Upper

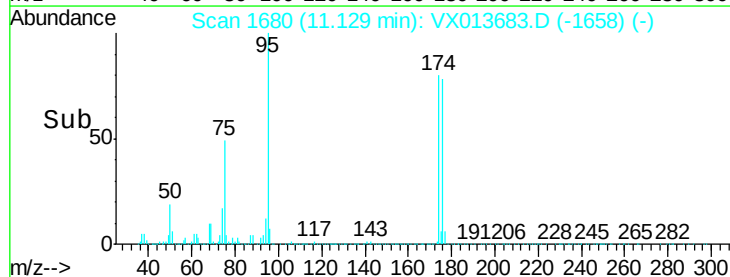
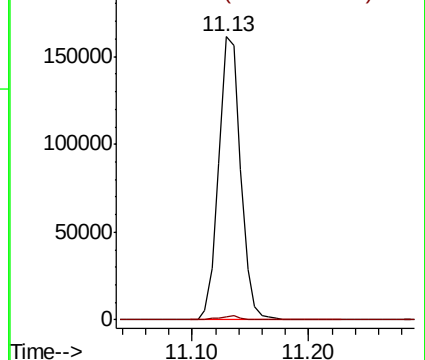
75 100

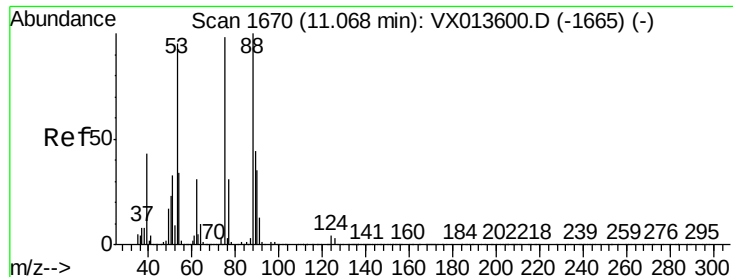
77 1.7 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

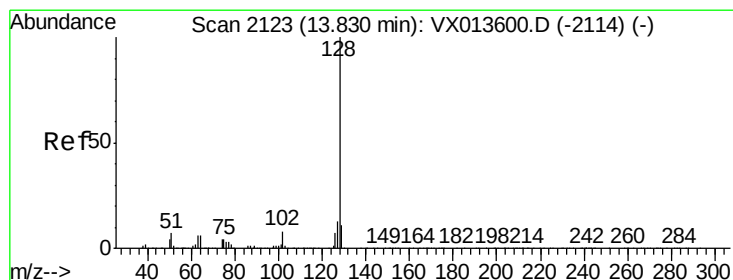
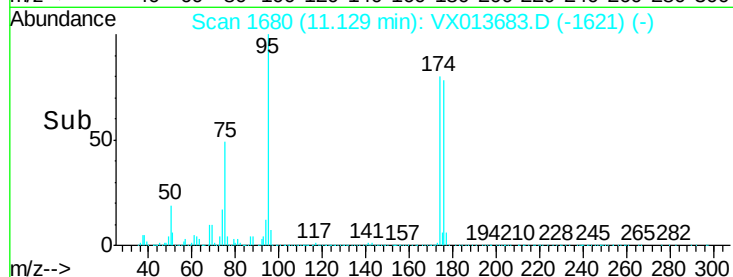
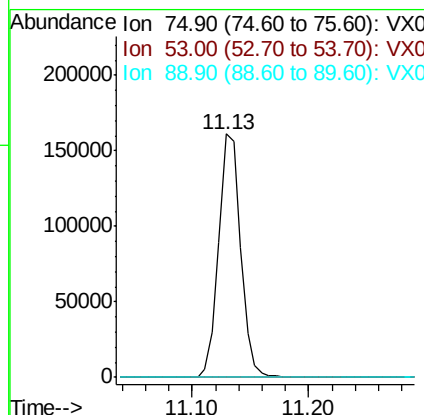
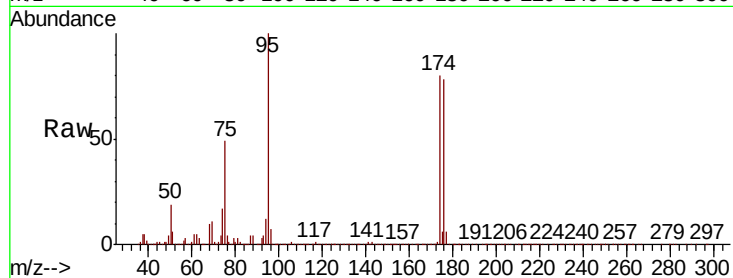




#81
trans-1,4-Dichloro-2-butene
Concen: 59.697 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Instrument :
MSVOA_X
ClientSampleId :
S39-0200

Tot Ion: 75 Resp: 208753
Ion Ratio Lower Upper
75 100
53 0.0 78.2 117.2#
89 0.1 35.4 53.2#



#95
Naphthalene
Concen: 0.393 ug/l
RT: 13.84 min Scan# 2124
Delta R.T. 0.01 min
Lab File: VX013683.D
Acq: 28 Nov 2019 04:18

Tgt Ion:128 Resp: 11332
Ion Ratio Lower Upper
128 100
127 20.0 10.3 15.5#
129 14.1 8.7 13.1#

