

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013660.D
 Acq On : 27 Nov 2019 18:34
 Operator : JC/SP
 Sample : K6027-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 03:33:00 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	660578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1042978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	924026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	417210	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	378709	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
35) Dibromofluoromethane	5.49	113	314369	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
50) Toluene-d8	8.71	98	1237158	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
62) 4-Bromofluorobenzene	11.14	95	414852	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

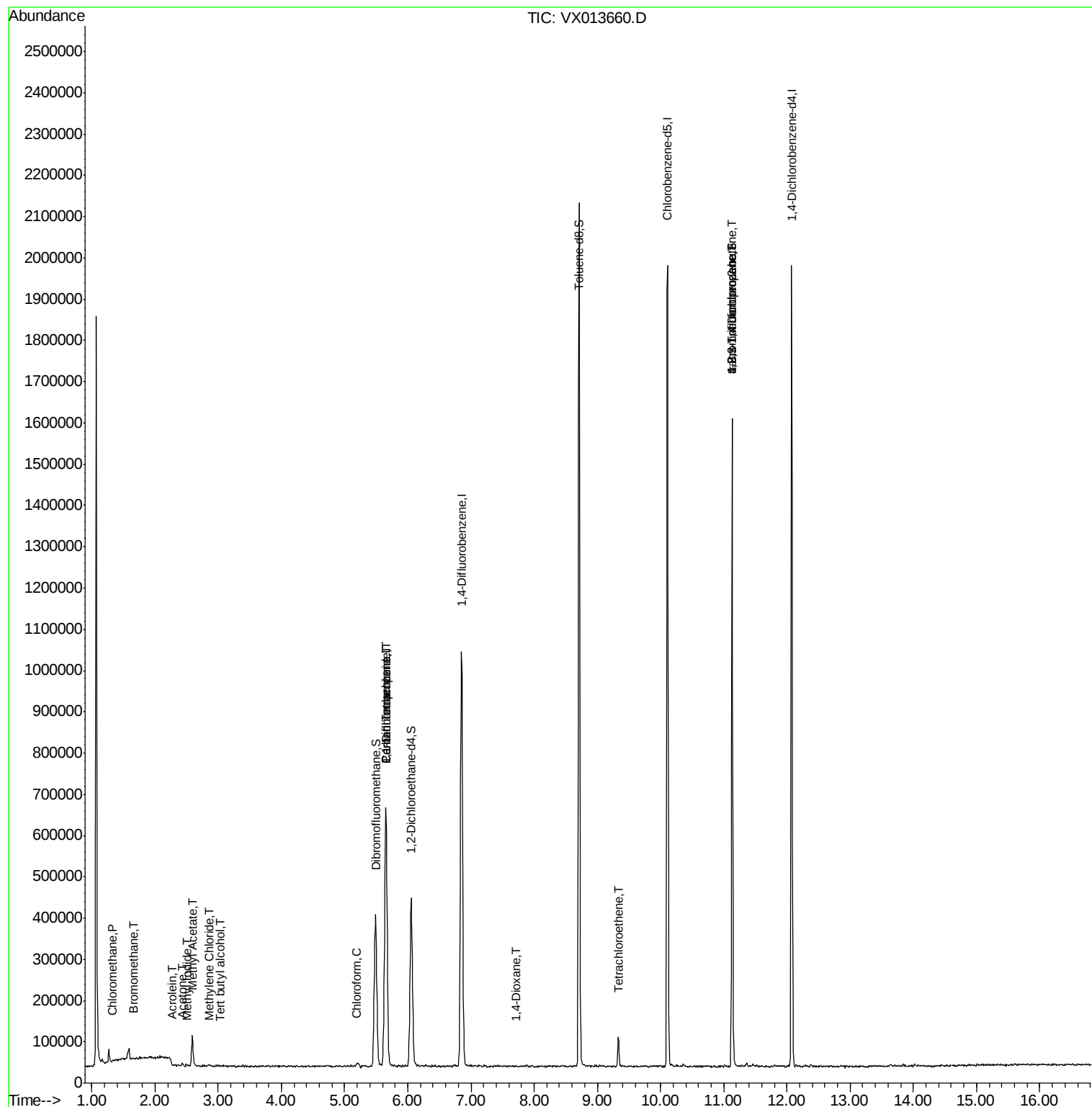
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2013	0.244	ug/l #	63
5) Bromomethane	1.66	94	2053	0.329	ug/l #	26
10) Methyl Iodide	2.51	142	1844	0.242	ug/l #	85
11) Tert butyl alcohol	3.03	59	4121	2.177	ug/l	98
13) Acrolein	2.27	56	319	6.250	ug/l #	80
16) Acetone	2.43	43	7704	2.035	ug/l #	77
18) Methyl Acetate	2.59	43	22758	2.159	ug/l #	56
20) Methylene Chloride	2.85	84	2012	0.277	ug/l #	67
30) Chloroform	5.19	83	10237	0.841	ug/l	95
36) 1,1-Dichloropropene	5.65	75	44489	4.699	ug/l #	52
38) Carbon Tetrachloride	5.65	117	56640	6.488	ug/l #	16
49) 1,4-Dioxane	7.73	88	511	2.687	ug/l #	38
64) Tetrachloroethene	9.33	164	13241	1.922	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	199054	21.213	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	199054	58.034	ug/l #	11

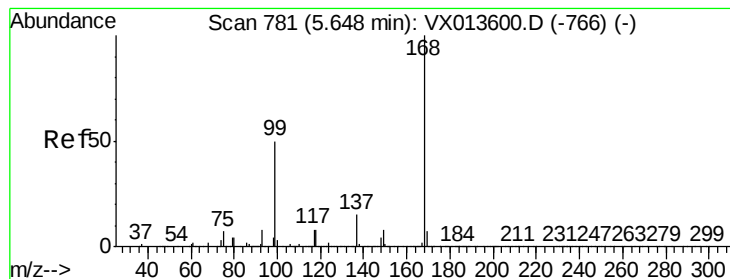
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013660.D

Acq: 27 Nov 2019 18:34

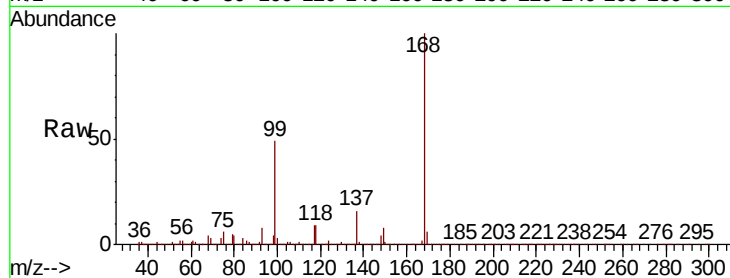
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 660578

Ion Ratio Lower Upper

168 100

99 48.8 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

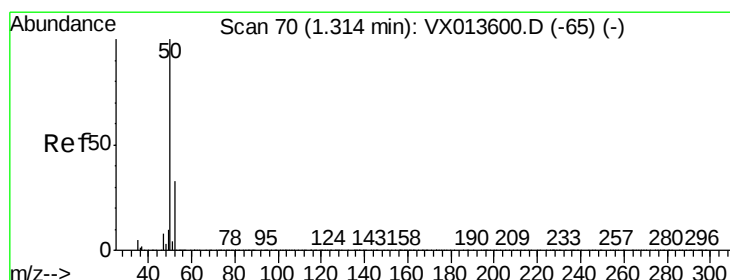
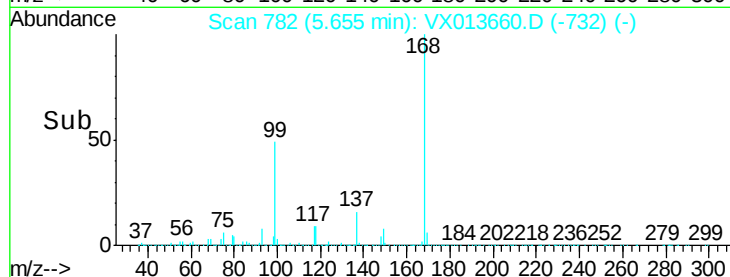
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013660.D

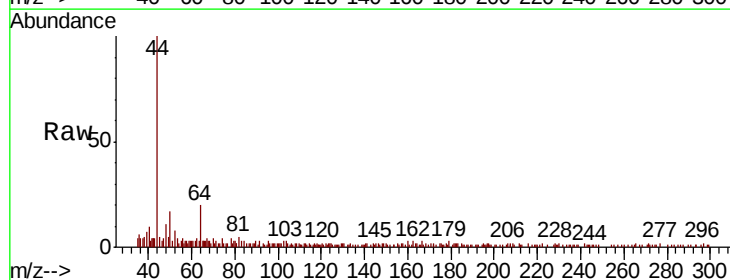
Acq: 27 Nov 2019 18:34

Tgt Ion: 50 Resp: 2013

Ion Ratio Lower Upper

50 100

52 12.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

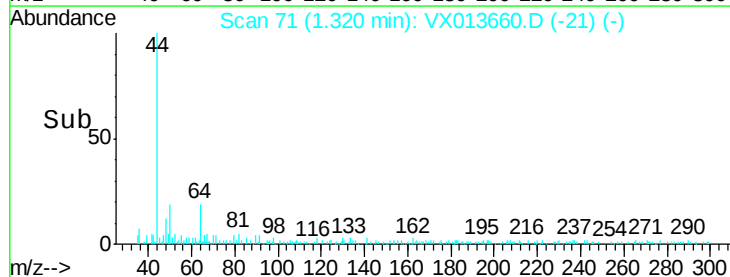
1500

1000

500

0

Time-->





#5

Bromomethane

Concen: 0.329 ug/l

RT: 1.66 min Scan# 126

Delta R.T. 0.02 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

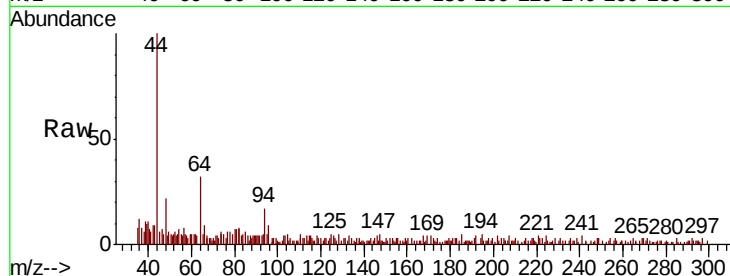
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 2053

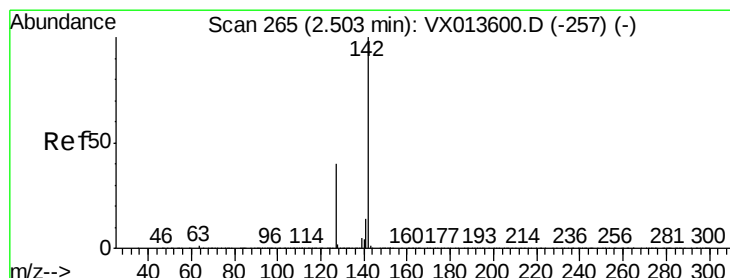
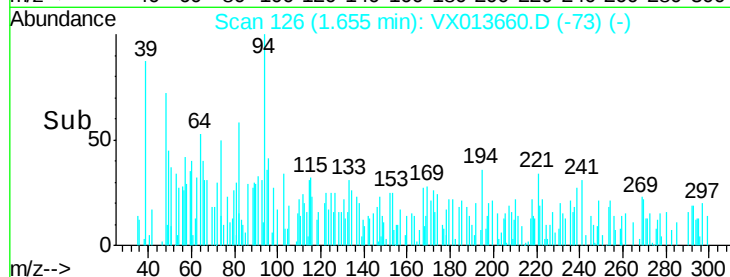
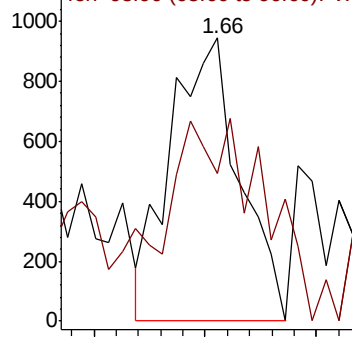
Ion Ratio Lower Upper

94 100

96 23.9 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 0.242 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

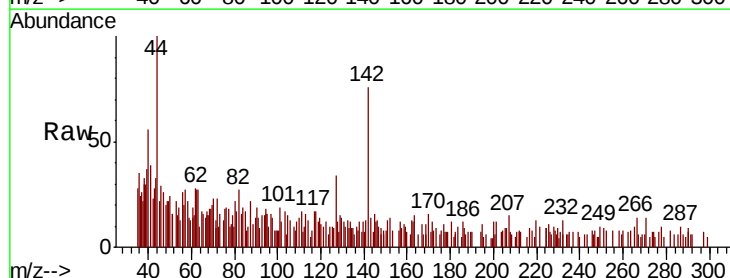
Tgt Ion: 142 Resp: 1844

Ion Ratio Lower Upper

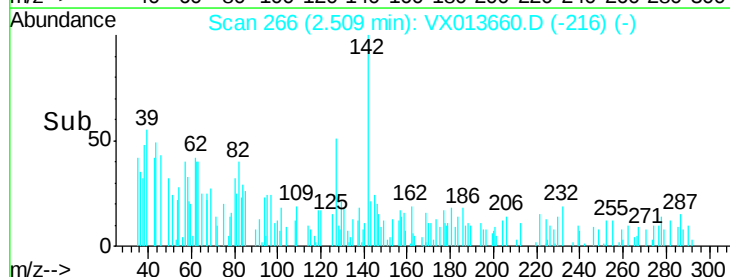
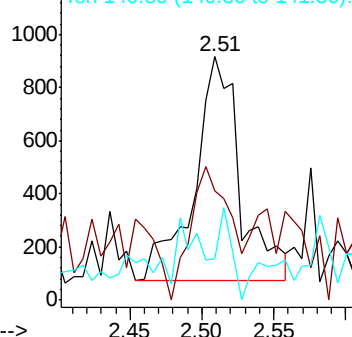
142 100

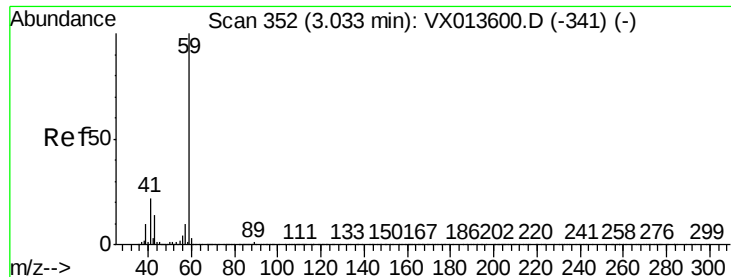
127 50.8 31.0 46.4#

141 13.5 11.6 17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

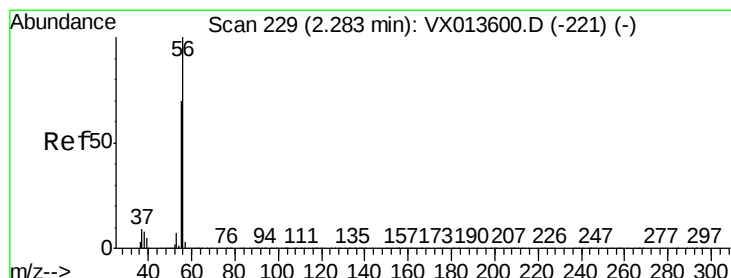
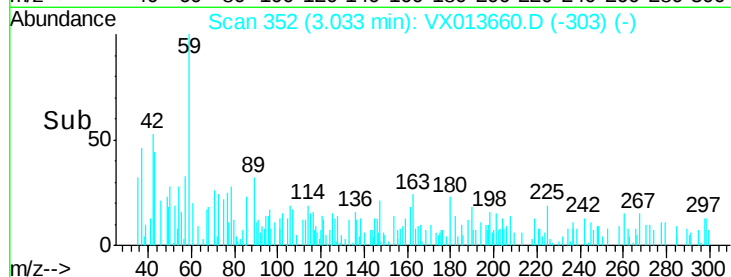
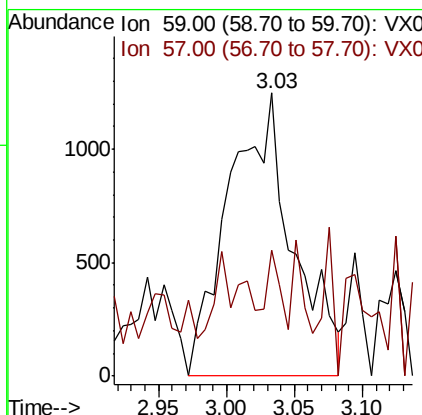
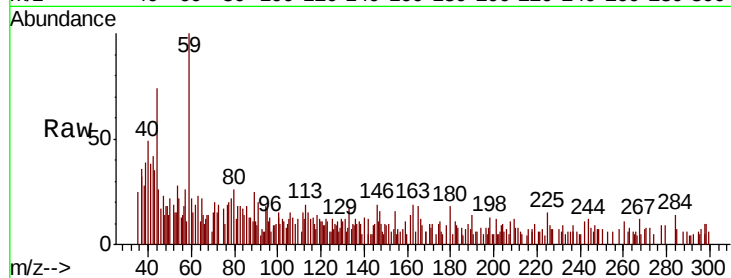




#11
Tert butyl alcohol
Concen: 2.177 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

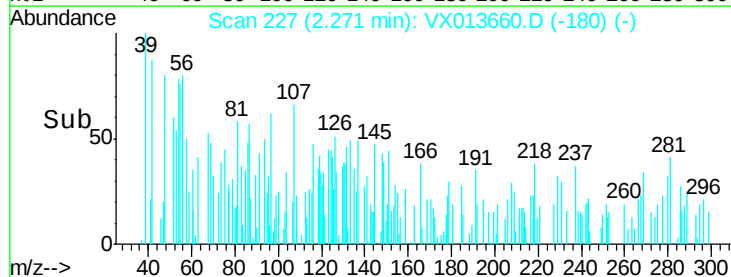
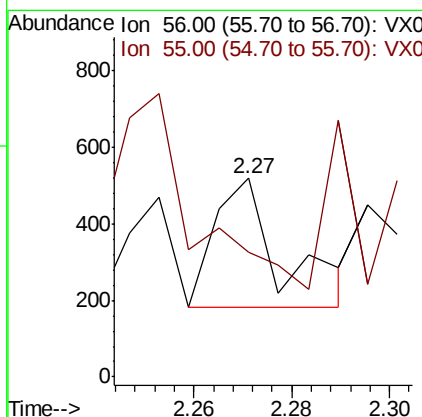
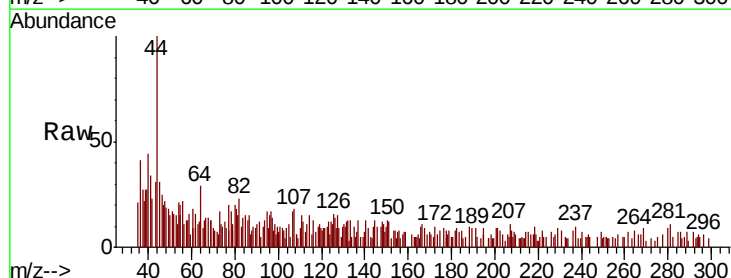
Instrument :
MSVOA_X
ClientSampled :

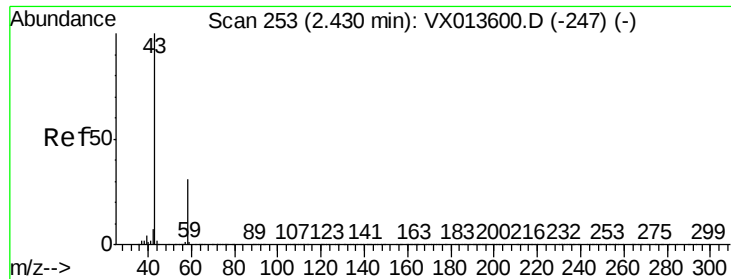
Tot Ion: 59 Resp: 4121
Ion Ratio Lower Upper
59 100
57 9.1 7.8 11.6



#13
Acrolein
Concen: 6.250 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 56 Resp: 319
Ion Ratio Lower Upper
56 100
55 86.8 56.2 84.4#

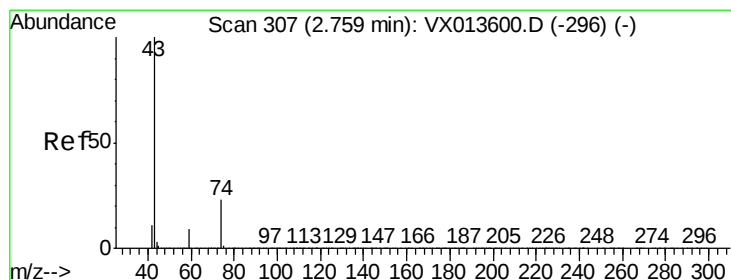
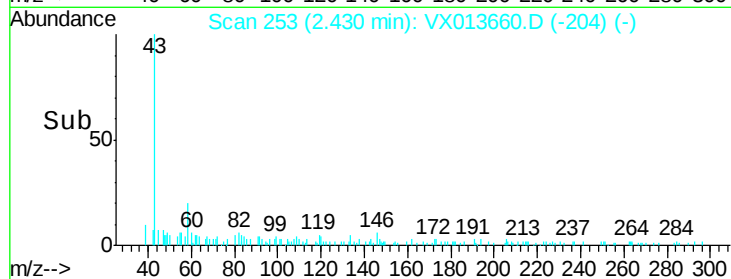
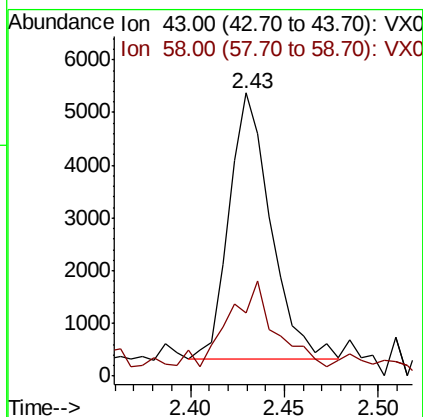
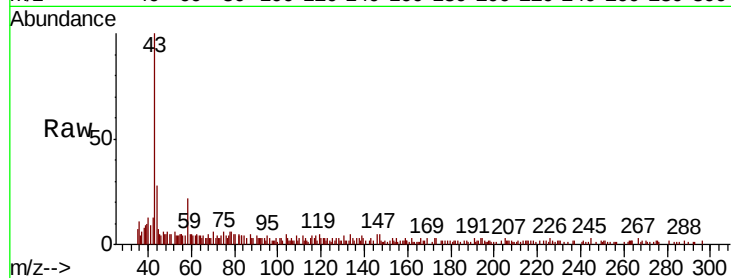




#16
Acetone
Concen: 2.035 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

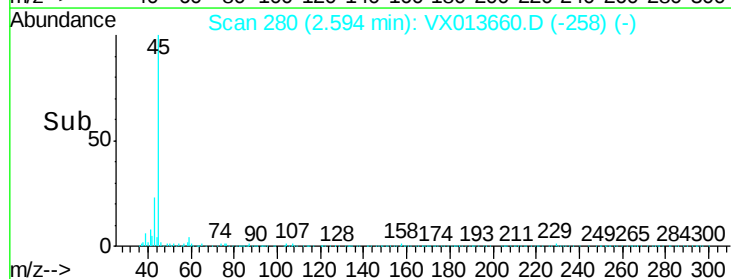
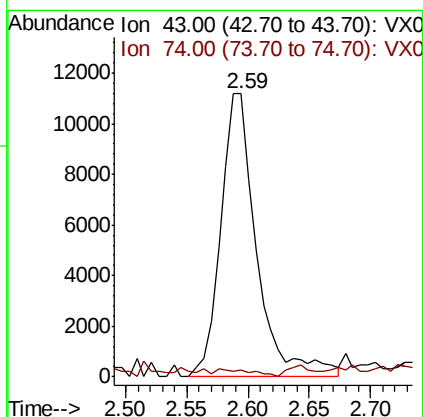
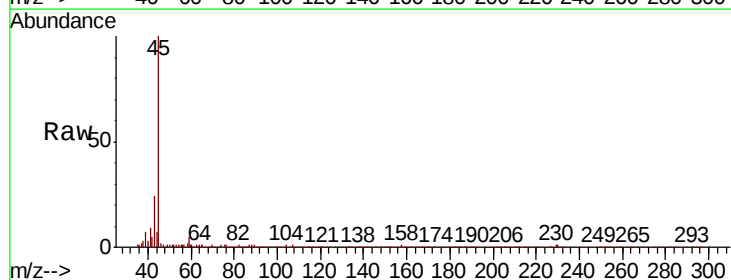
Instrument :
MSVOA_X
ClientSampleId :

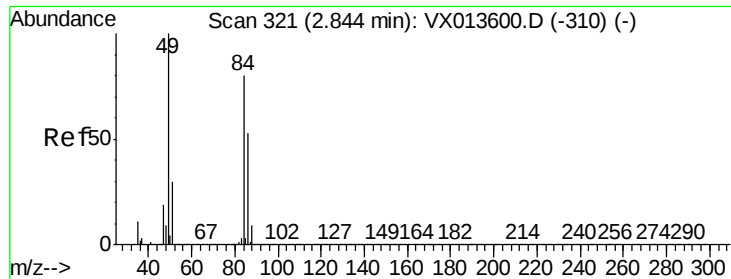
Tot Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
58 18.0 24.6 36.8#



#18
Methyl Acetate
Concen: 2.159 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.16 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 43 Resp: 22758
Ion Ratio Lower Upper
43 100
74 2.8 19.5 29.3#

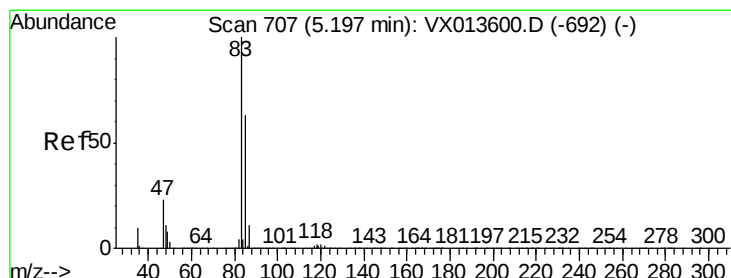
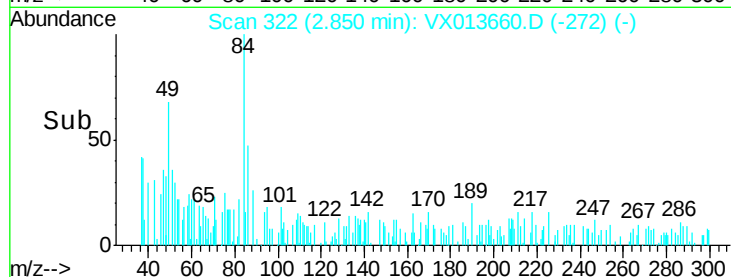
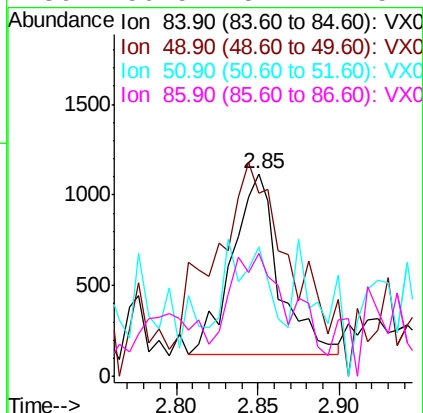
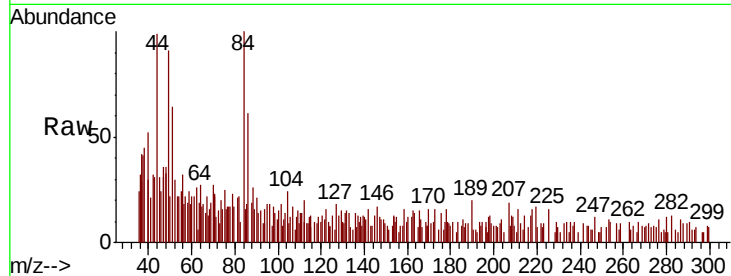




#20
Methvlene Chloride
Concen: 0.277 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

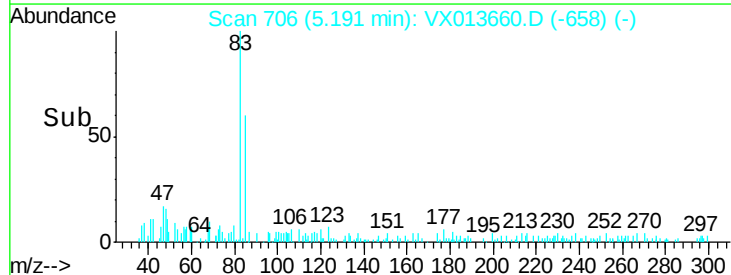
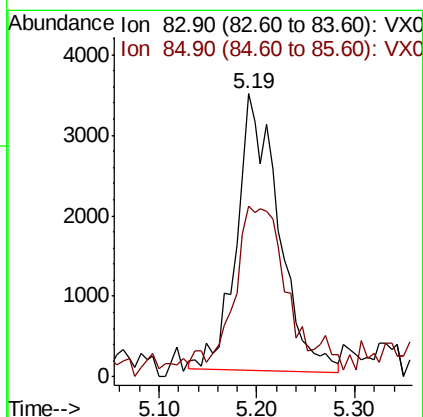
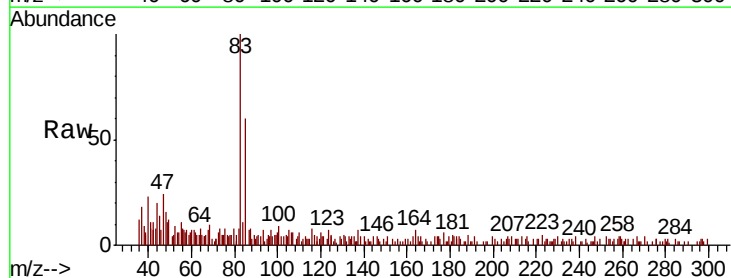
Instrument :
MSVOA_X
ClientSampleId :

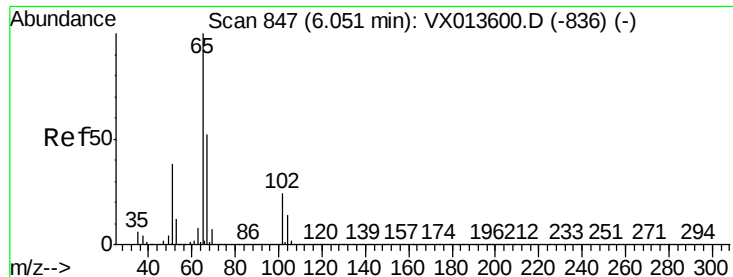
Tot Ion:	84	Resp:	2012
Ion	Ratio	Lower	Upper
84	100		
49	70.4	99.7	149.5#
51	31.7	29.9	44.9
86	50.5	52.2	78.4#



#30
Chloroform
Concen: 0.841 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion:	83	Resp:	10237
Ion	Ratio	Lower	Upper
83	100		
85	58.7	50.2	75.4





#33

1,2-Dichloroethane-d4

Concen: 49.389 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

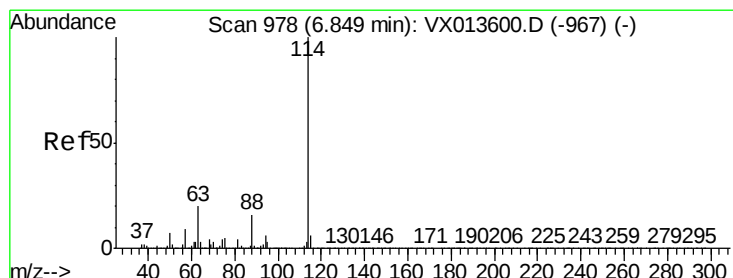
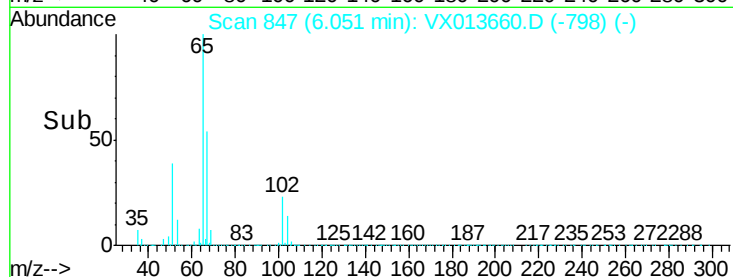
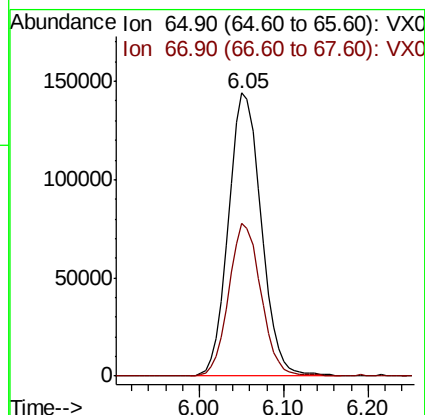
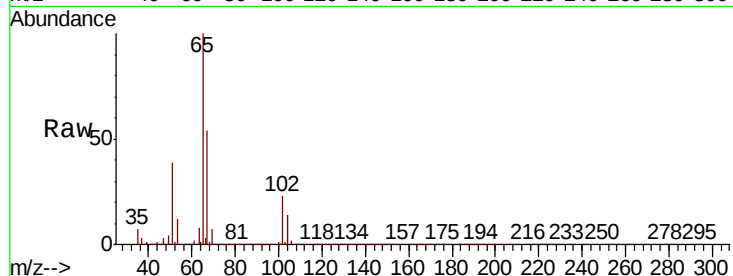
ClientSampleId :

Tot Ion: 65 Resp: 378709

Ion Ratio Lower Upper

65 100

67 53.0 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: VX013660.D

Acq: 27 Nov 2019 18:34

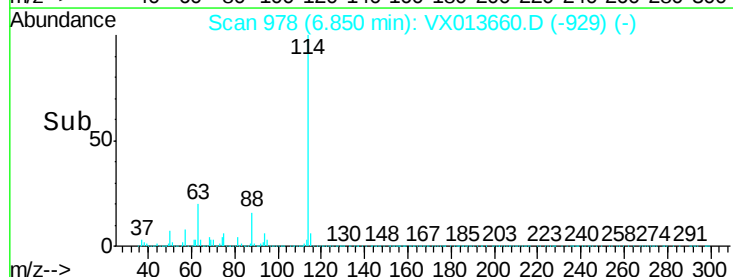
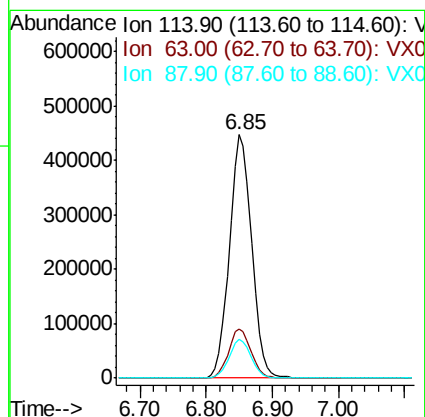
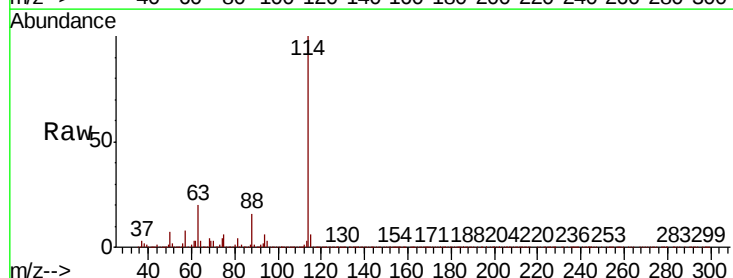
Tgt Ion: 114 Resp: 1042978

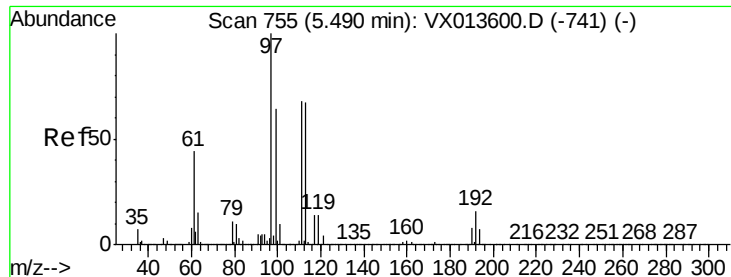
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.756 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :
MSVOA_X
ClientSampleId :

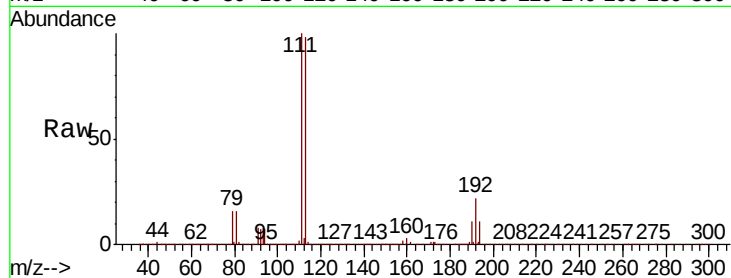
Tot Ion:113 Resp: 314369

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.6	125.4
192	23.3	19.2	28.8

113 100

111 102.0 83.6 125.4

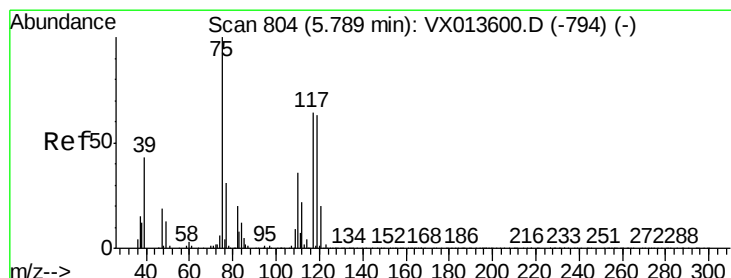
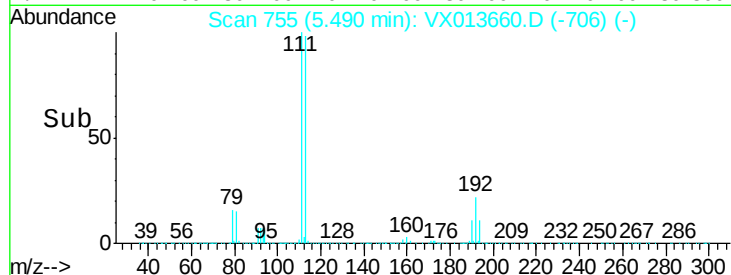
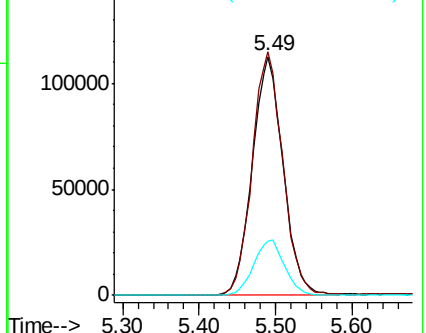
192 23.3 19.2 28.8



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: 4.699 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

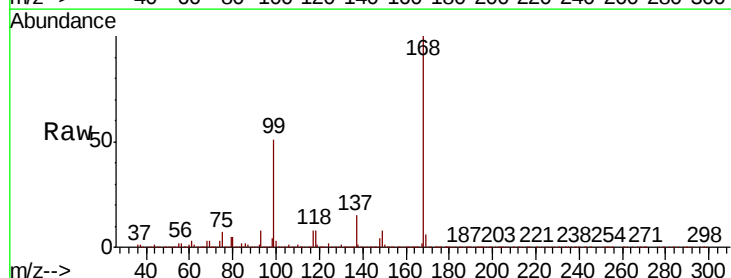
Tgt Ion: 75 Resp: 44489

Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.1	54.1#
77	0.5	24.5	36.7#

75 100

110 10.9 18.1 54.1#

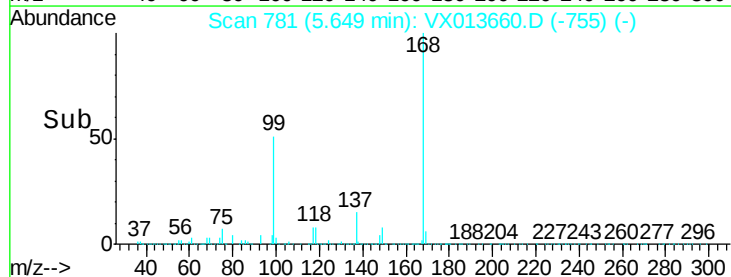
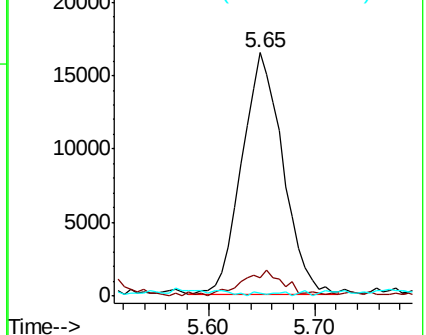
77 0.5 24.5 36.7#

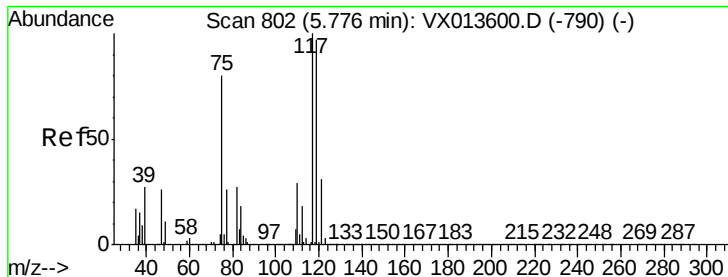


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.488 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

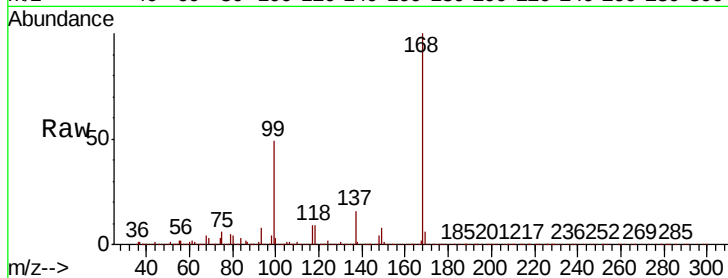
Tot Ion:117 Resp: 56640

Ion Ratio Lower Upper

117 100

119 5.3 77.5 116.3#

121 0.2 25.0 37.6#

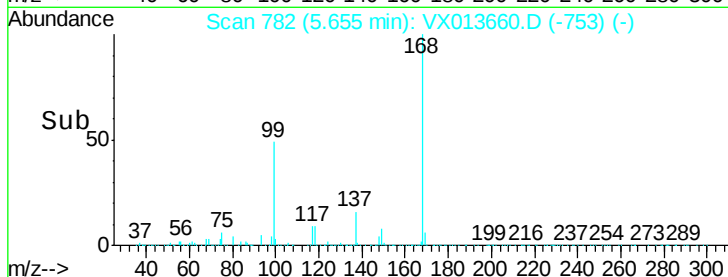


Abundance Ion 116.80 (116.50 to 117.50): V

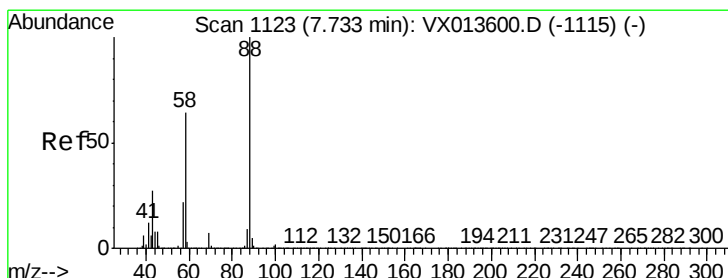
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

Time-->



Time-->



#49

1,4-Dioxane

Concen: 2.687 ug/l

RT: 7.73 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

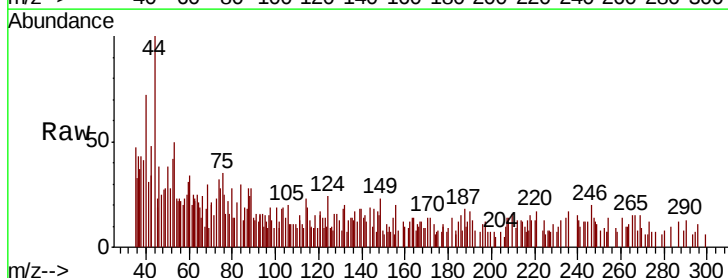
Tgt Ion: 88 Resp: 511

Ion Ratio Lower Upper

88 100

43 23.7 25.8 38.6#

58 0.0 54.6 82.0#

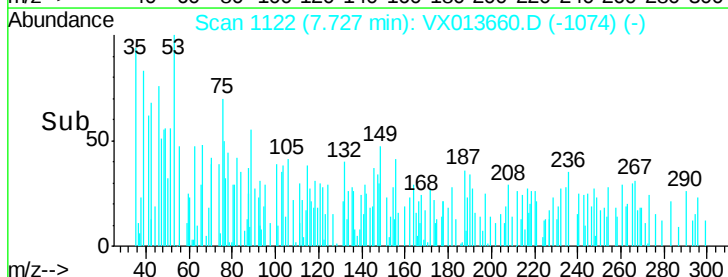


Abundance Ion 88.00 (87.70 to 88.70): VX0

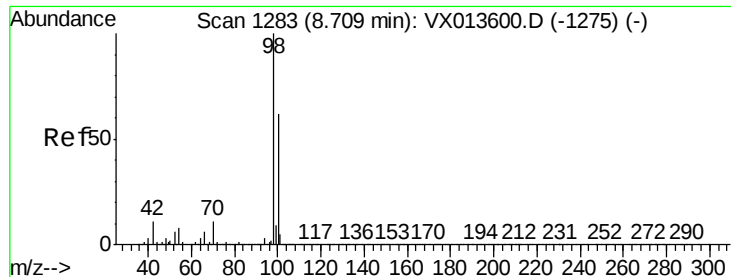
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Time-->



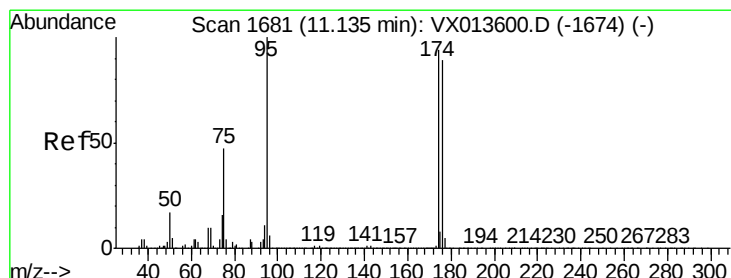
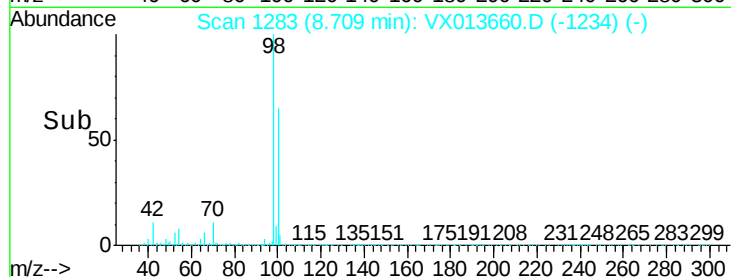
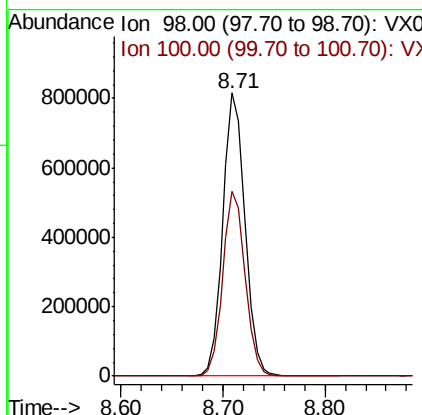
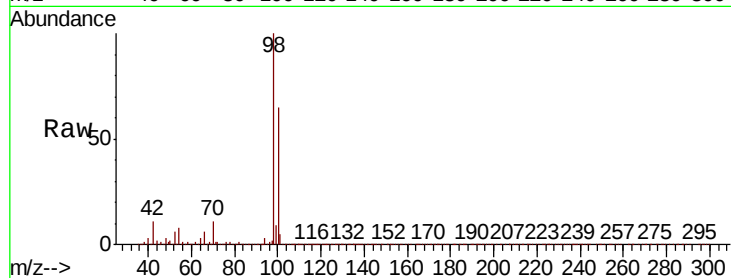
Time-->



#50
Toluene-d8
Concen: 49.247 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

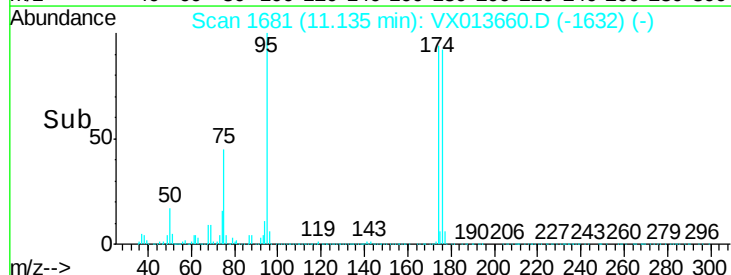
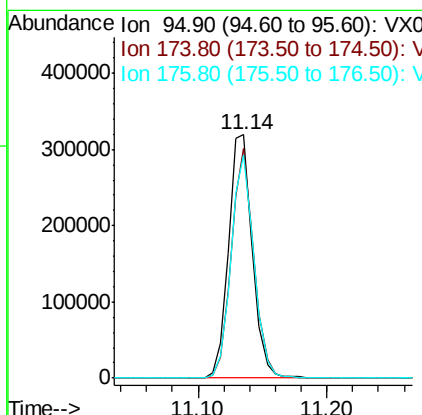
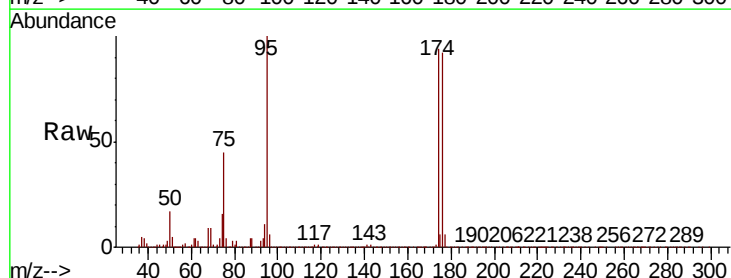
Instrument :
MSVOA_X
ClientSampleId :

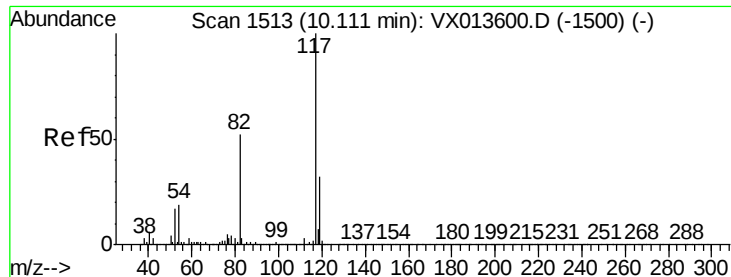
Tot Ion: 98 Resp: 1237158
Ion Ratio Lower Upper
98 100
100 65.6 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.795 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion: 95 Resp: 414852
Ion Ratio Lower Upper
95 100
174 88.5 0.0 180.0
176 87.9 0.0 173.6

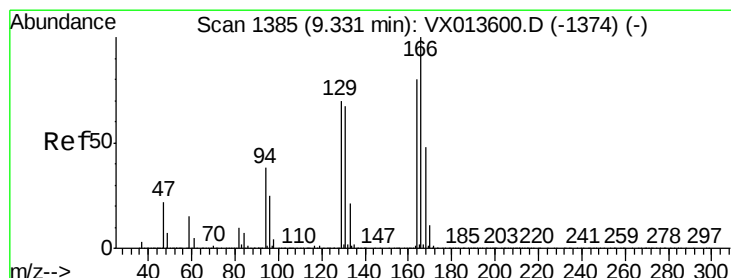
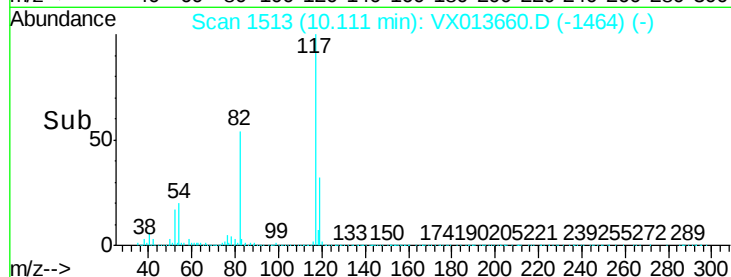
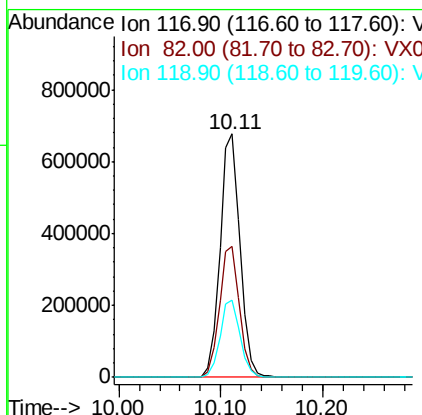
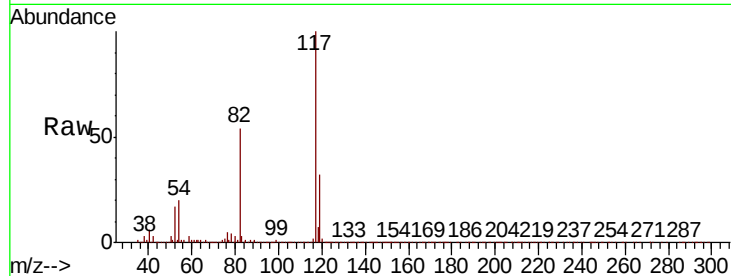




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

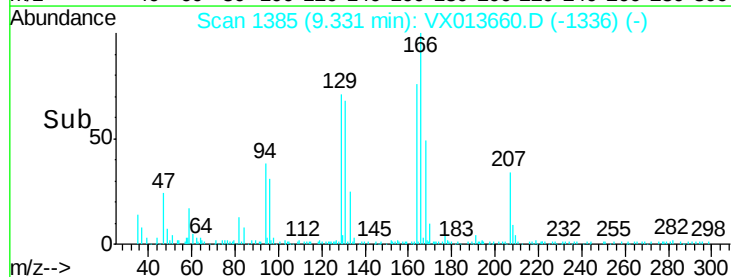
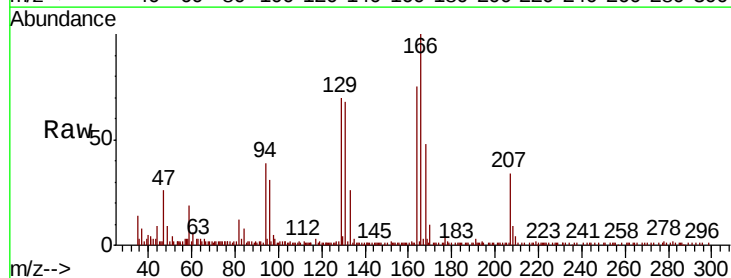
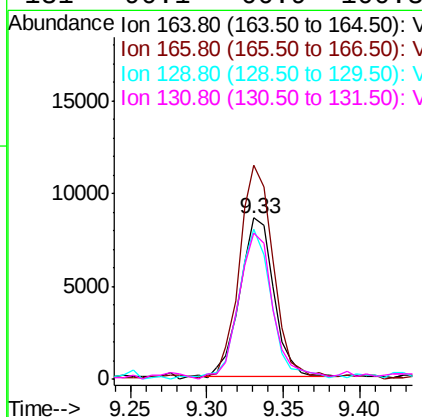
Instrument :
MSVOA_X
ClientSampleId :

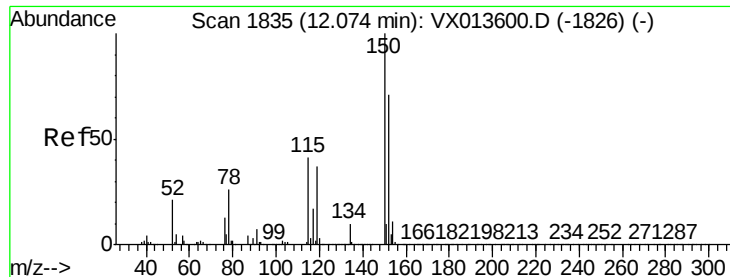
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.8	62.8
119	31.6	25.8	38.8



#64
Tetrachloroethene
Concen: 1.922 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013660.D
Acq: 27 Nov 2019 18:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	99.7	149.5
129	92.4	70.1	105.1
131	90.1	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: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

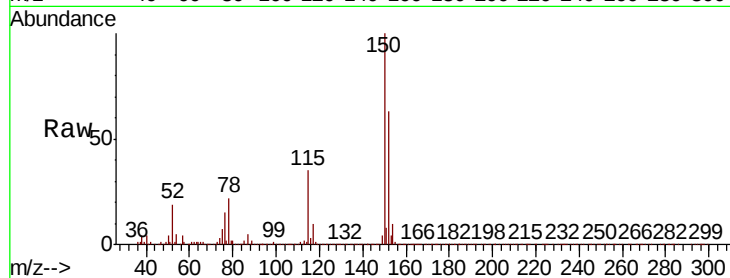
Tot Ion:152 Resp: 417210

Ion Ratio Lower Upper

152 100

115 54.2 38.4 115.1

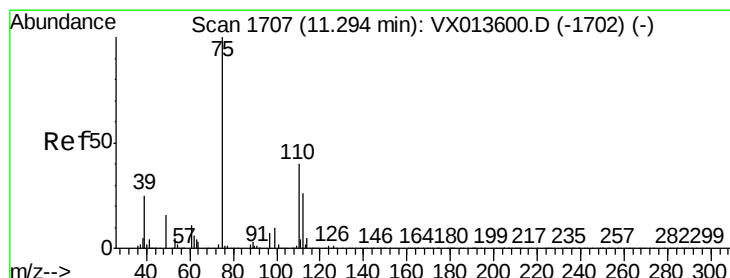
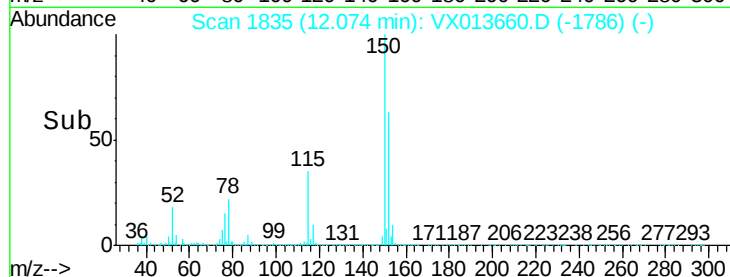
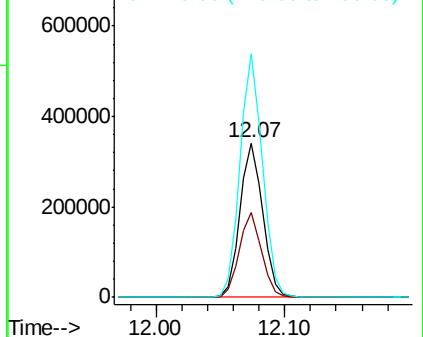
150 156.3 0.0 346.8



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



#76

1,2,3-Trichloropropane

Concen: 21.213 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013660.D

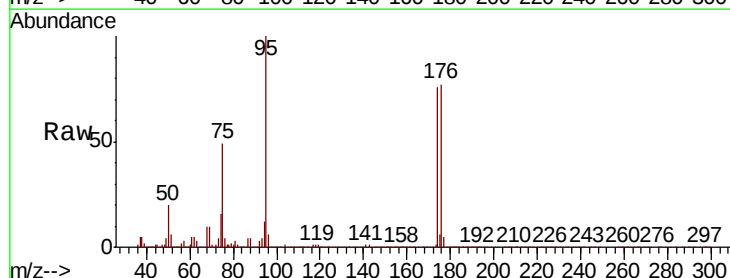
Acq: 27 Nov 2019 18:34

Tgt Ion: 75 Resp: 199054

Ion Ratio Lower Upper

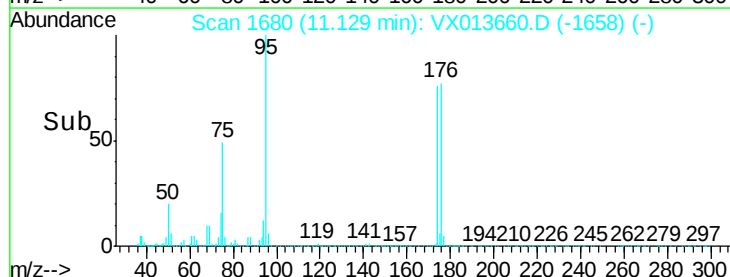
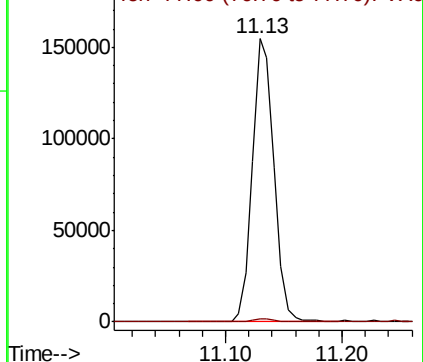
75 100

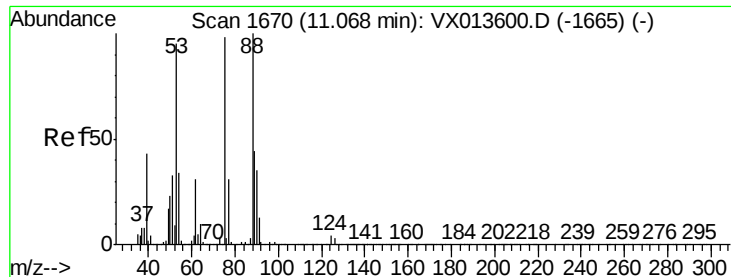
77 1.1 19.1 57.5#



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: 58.034 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013660.D

Acq: 27 Nov 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 199054

Ion Ratio Lower Upper

75 100

53 0.4 78.2 117.2#

89 0.2 35.4 53.2#

