

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120319\
 Data File : VX013729.D
 Acq On : 03 Dec 2019 16:58
 Operator : JC/SP
 Sample : K5984-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0195

Quant Time: Dec 04 00:37:30 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	672055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1027174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	910707	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	423658	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	371263	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
35) Dibromofluoromethane	5.49	113	303604	47.81	ug/l	0.00
Spiked Amount			Recovery	=	95.62%	
50) Toluene-d8	8.71	98	1204570	48.69	ug/l	0.00
Spiked Amount			Recovery	=	97.38%	
62) 4-Bromofluorobenzene	11.14	95	416827	46.72	ug/l	0.00
Spiked Amount			Recovery	=	93.44%	

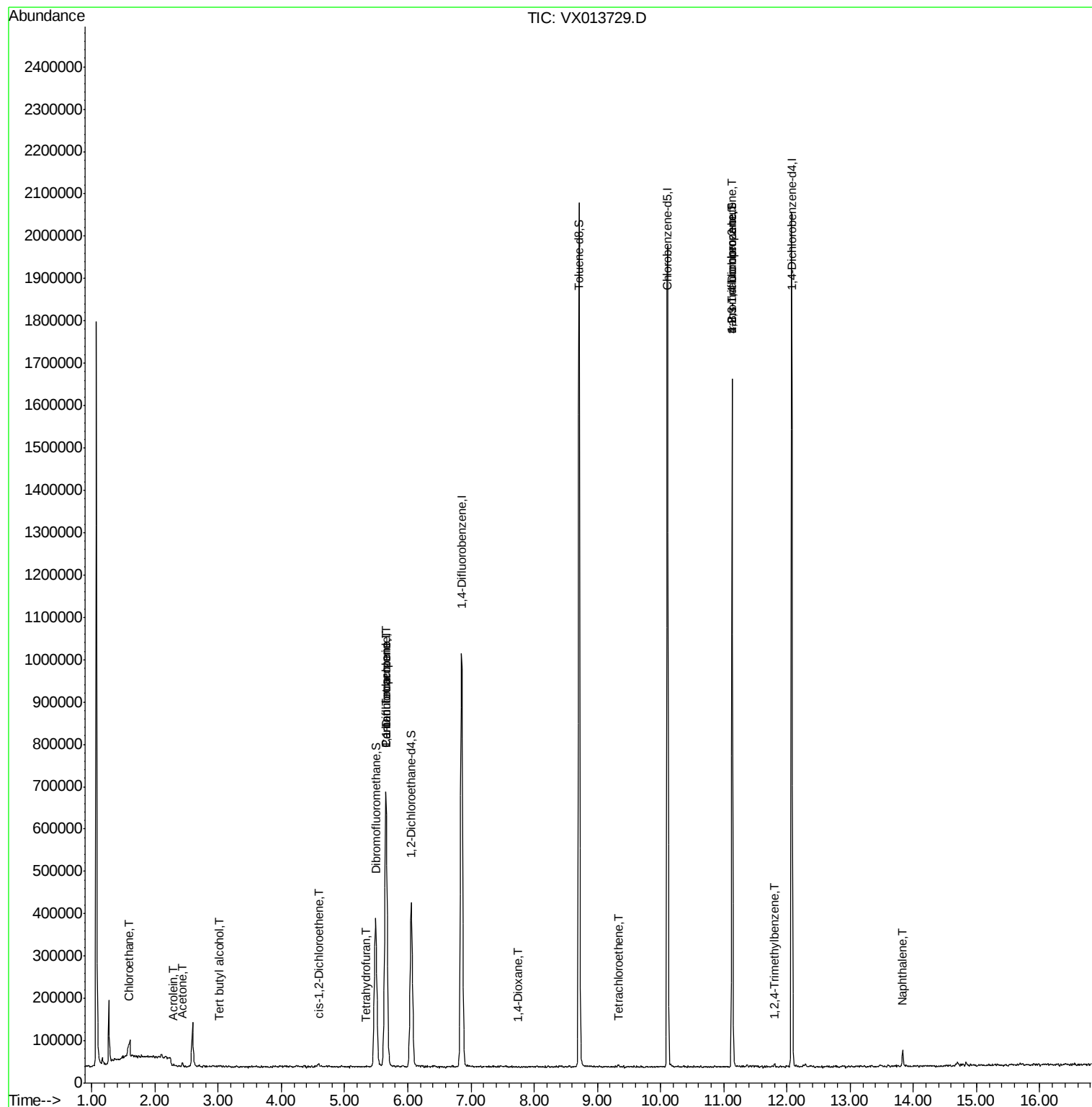
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.58	64	24237	4.509	ug/l #	41
11) Tert butyl alcohol	3.03	59	3997	2.076	ug/l #	87
13) Acrolein	2.28	56	448	6.343	ug/l #	63
16) Acetone	2.43	43	10214	2.652	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	4894	0.612	ug/l	85
29) Tetrahydrofuran	5.33	42	708	0.201	ug/l	88
36) 1,1-Dichloropropene	5.65	75	44987	4.825	ug/l #	51
38) Carbon Tetrachloride	5.65	117	57900	6.734	ug/l #	15
49) 1,4-Dioxane	7.74	88	246	1.313	ug/l #	1
64) Tetrachloroethene	9.33	164	1775	0.261	ug/l #	81
76) 1,2,3-Trichloropropane	11.14	75	200574	21.049	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.14	75	200574	57.587	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	6742	0.273	ug/l	95
95) Naphthalene	13.83	128	27688	0.965	ug/l #	94

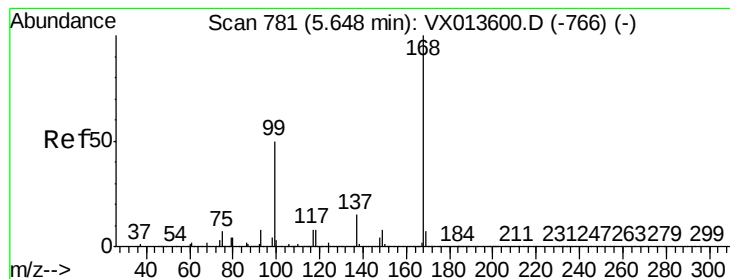
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampled :

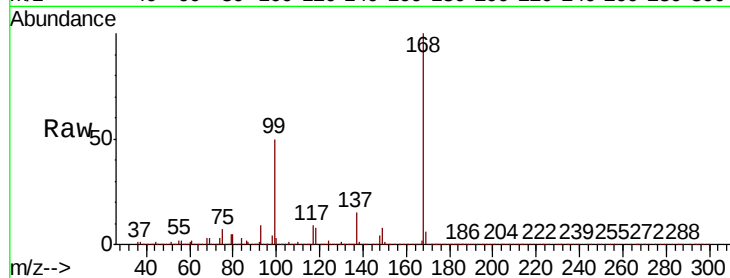
S39-0195

Tot Ion:168 Resp: 672055

Ion Ratio Lower Upper

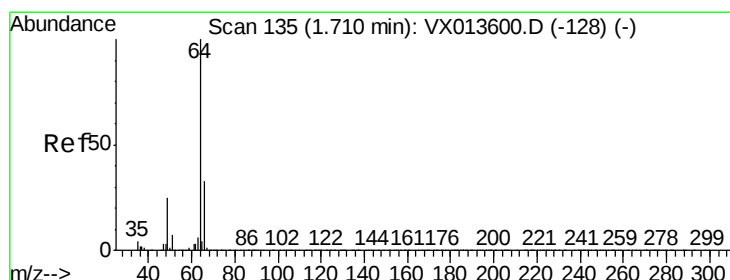
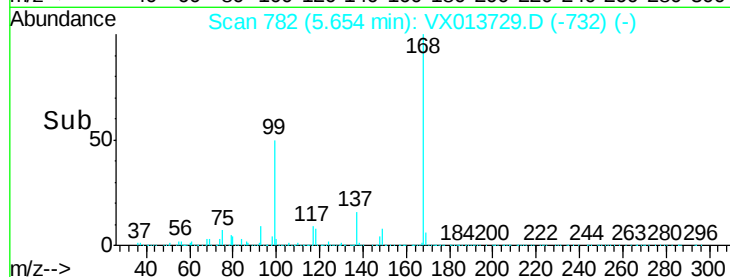
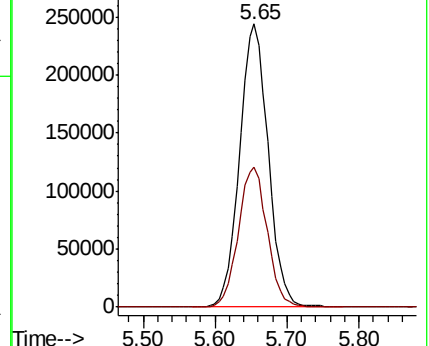
168 100

99 49.5 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 4.509 ug/l

RT: 1.58 min Scan# 113

Delta R.T. -0.13 min

Lab File: VX013729.D

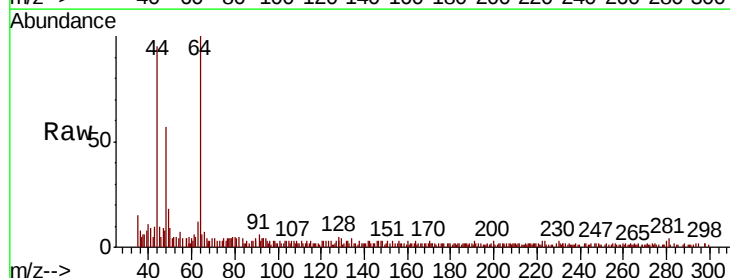
Acq: 03 Dec 2019 16:58

Tgt Ion: 64 Resp: 24237

Ion Ratio Lower Upper

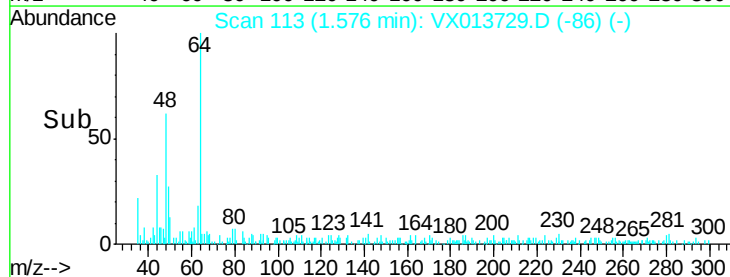
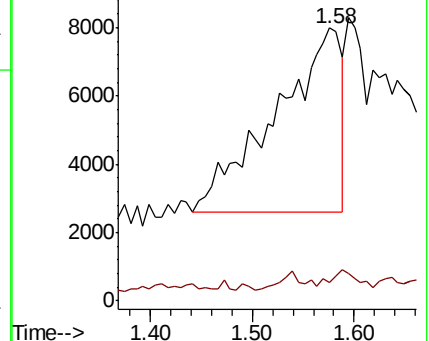
64 100

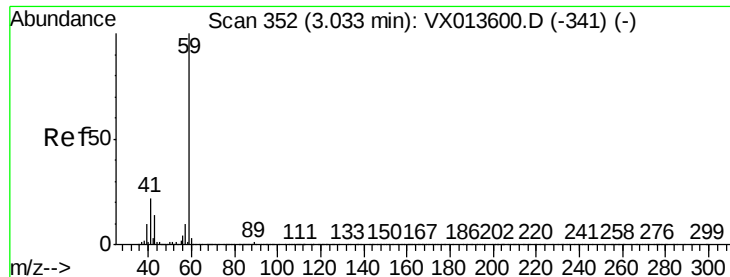
66 0.0 26.7 40.1#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

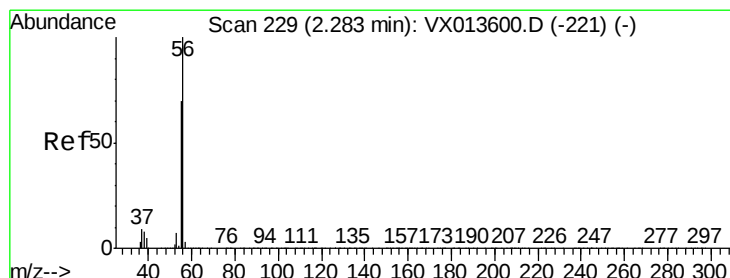
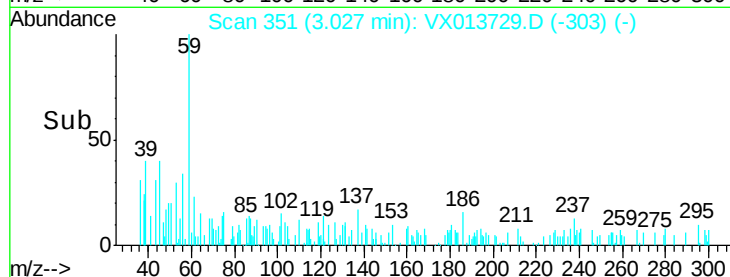
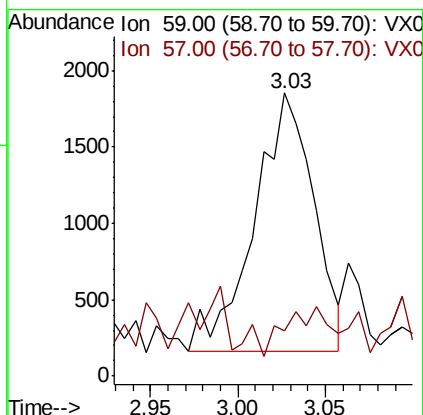
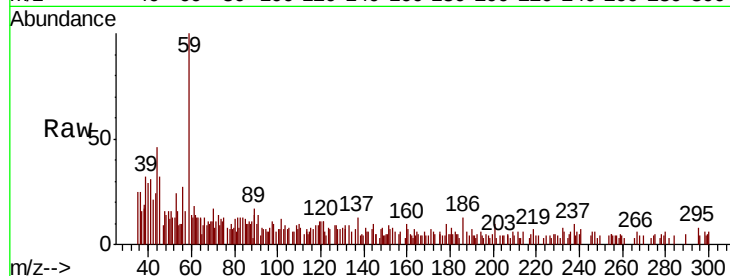




#11
Tert butyl alcohol
Concen: 2.076 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX013729.D
Acq: 03 Dec 2019 16:58

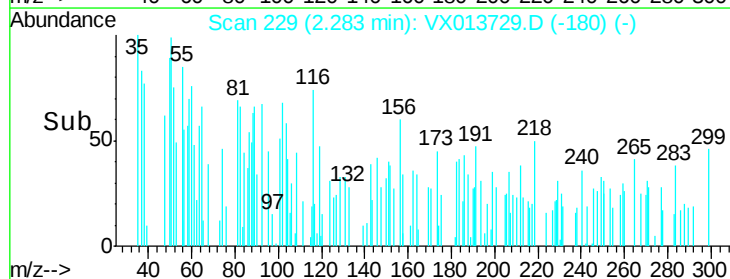
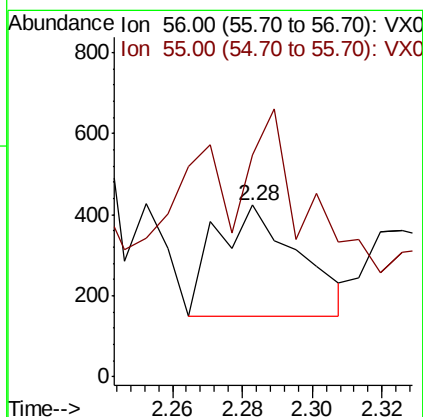
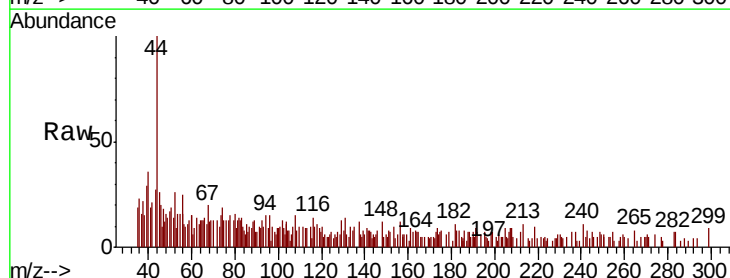
Instrument :
MSVOA_X
ClientSampled :
S39-0195

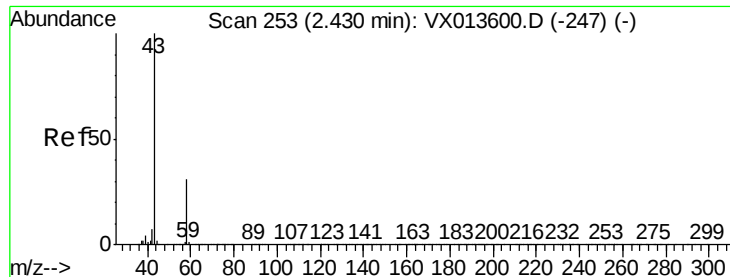
Tot Ion: 59 Resp: 3997
Ion Ratio Lower Upper
59 100
57 14.3 7.8 11.6#



#13
Acrolein
Concen: 6.343 ug/l
RT: 2.28 min Scan# 229
Delta R.T. -0.00 min
Lab File: VX013729.D
Acq: 03 Dec 2019 16:58

Tgt Ion: 56 Resp: 448
Ion Ratio Lower Upper
56 100
55 39.5 56.2 84.4#





#16

Acetone

Concen: 2.652 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampled :

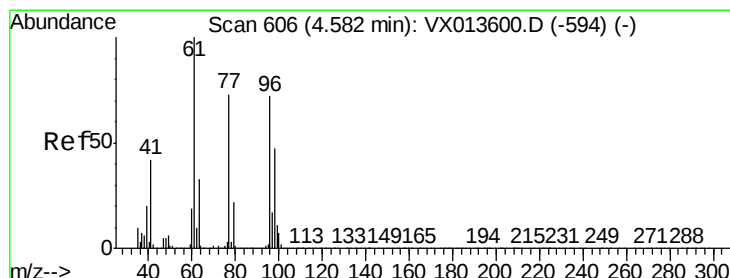
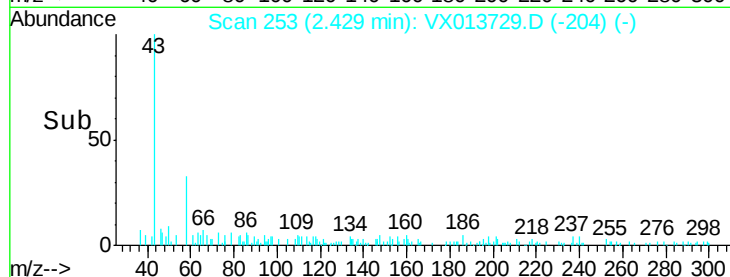
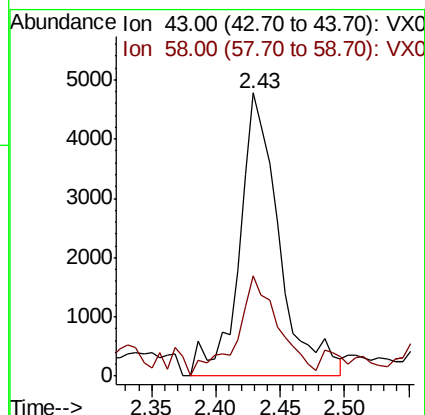
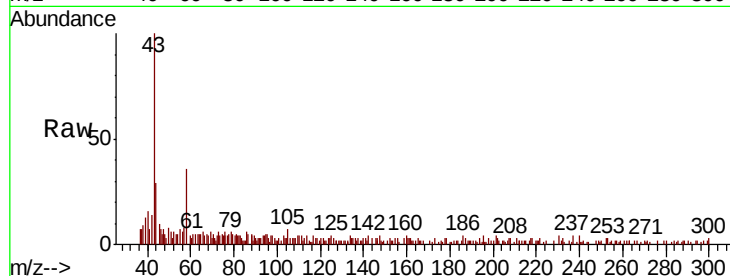
S39-0195

Tot Ion: 43 Resp: 10214

Ion Ratio Lower Upper

43 100

58 35.6 24.6 36.8



#27

cis-1,2-Dichloroethene

Concen: 0.612 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

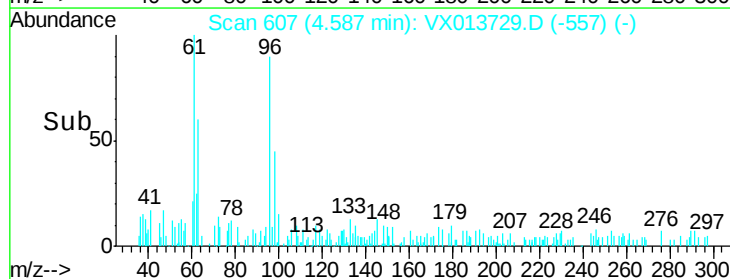
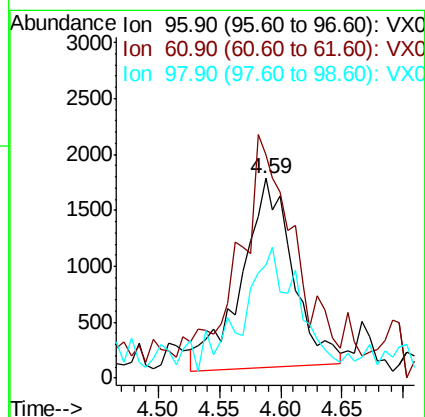
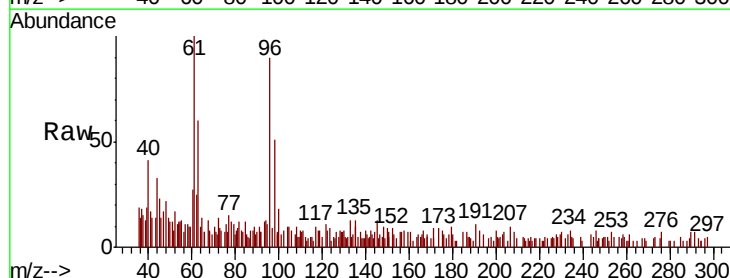
Tgt Ion: 96 Resp: 4894

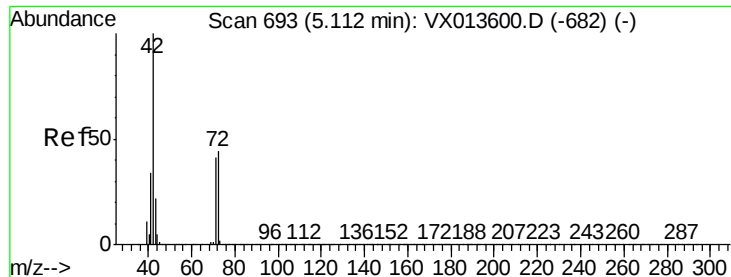
Ion Ratio Lower Upper

96 100

61 121.3 0.0 286.4

98 70.3 0.0 127.4

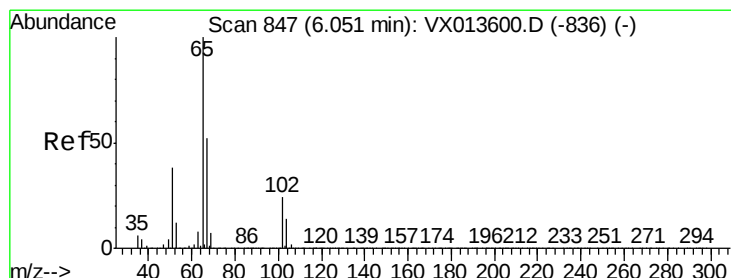
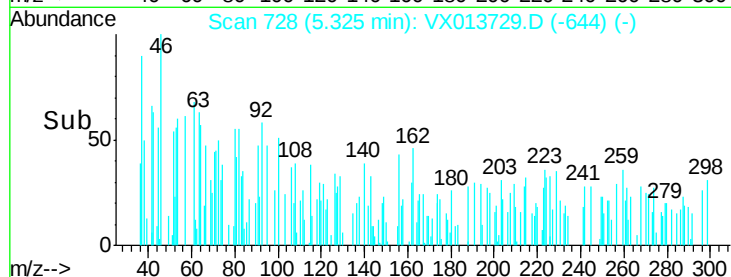
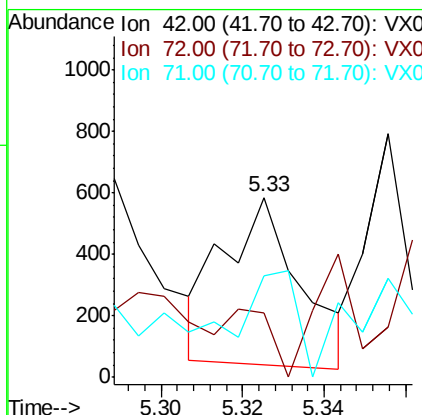
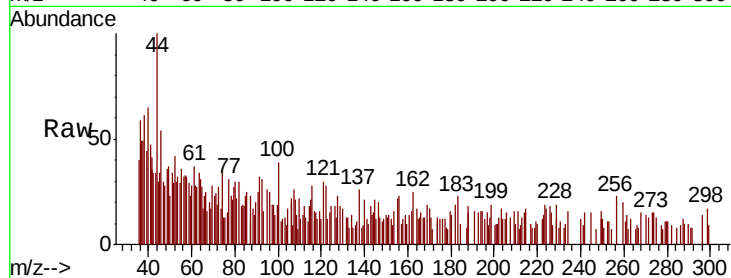




#29
Tetrahydrofuran
Concen: 0.201 ug/l
RT: 5.33 min Scan# 728
Delta R.T. 0.21 min
Lab File: VX013729.D
Acq: 03 Dec 2019 16:58

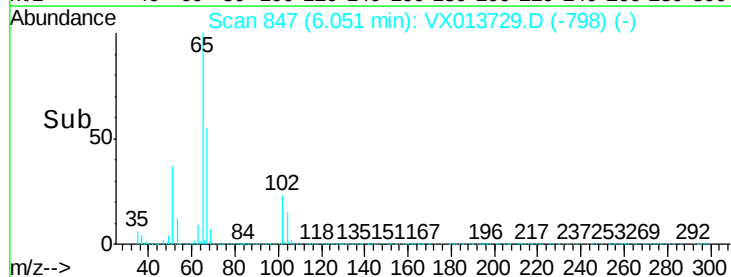
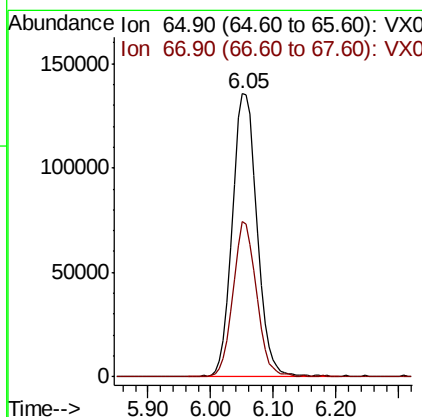
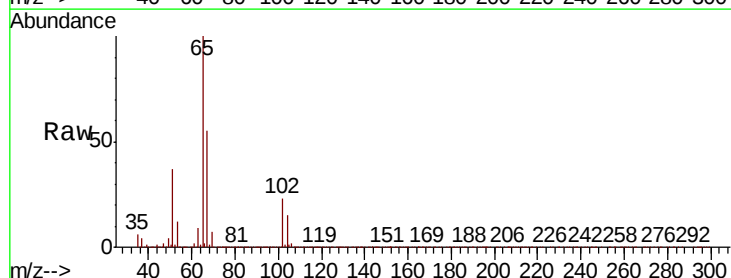
Instrument :
MSVOA_X
ClientSampled :
S39-0195

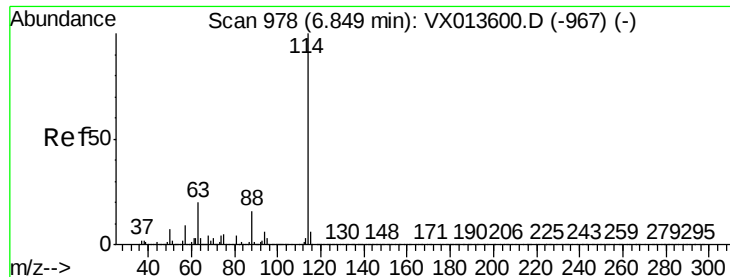
Tot Ion: 42 Resp: 708
Ion Ratio Lower Upper
42 100
72 36.7 36.3 54.5
71 35.0 33.2 49.8



#33
1,2-Dichloroethane-d4
Concen: 47.592 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013729.D
Acq: 03 Dec 2019 16:58

Tgt Ion: 65 Resp: 371263
Ion Ratio Lower Upper
65 100
67 51.6 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: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampled :

S39-0195

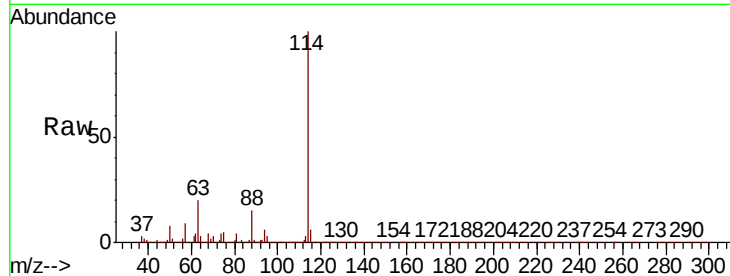
Tot Ion:114 Resp: 1027174

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

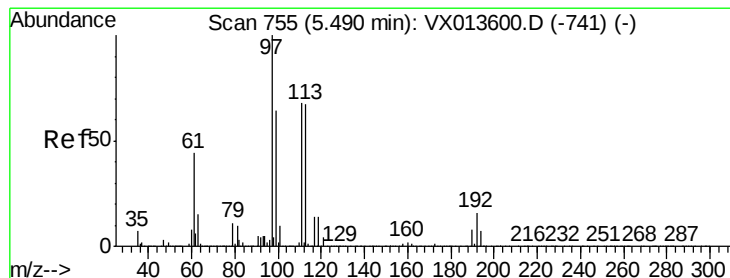
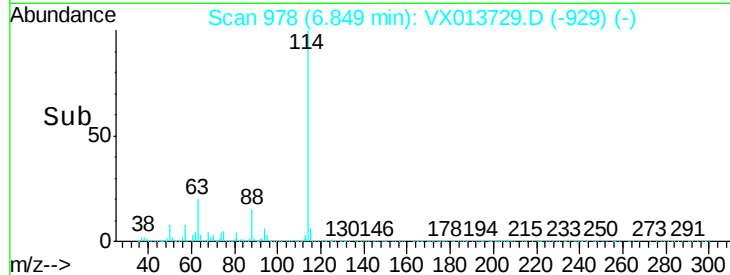
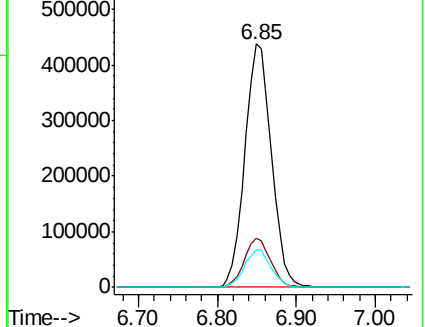
88 15.2 0.0 31.4



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: 47.811 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

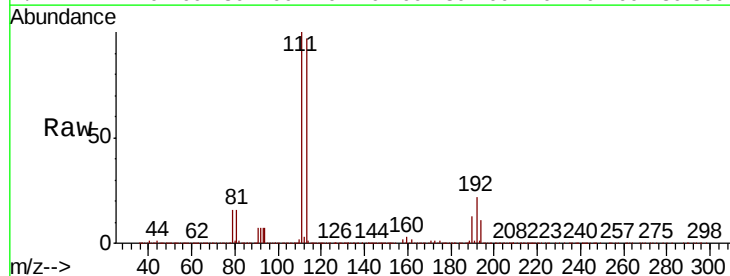
Tgt Ion:113 Resp: 303604

Ion Ratio Lower Upper

113 100

111 101.5 83.6 125.4

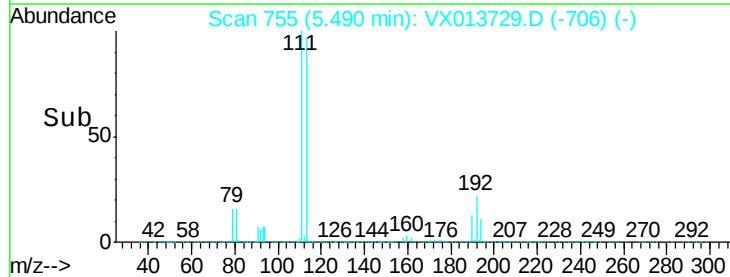
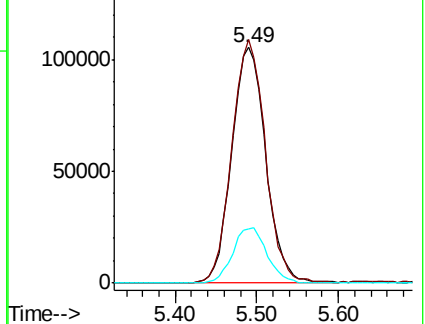
192 23.3 19.2 28.8

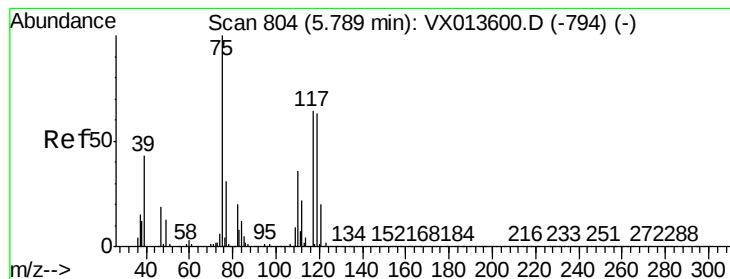


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.825 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

S39-0195

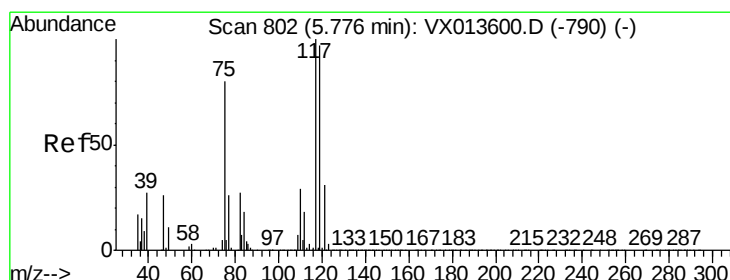
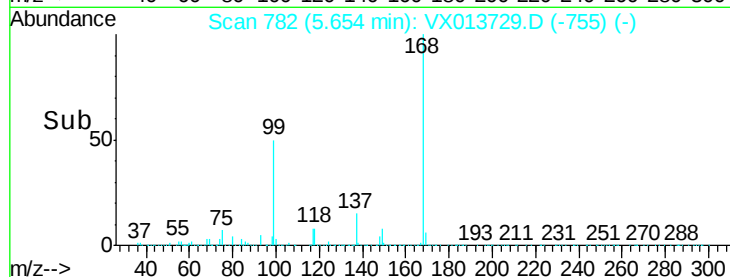
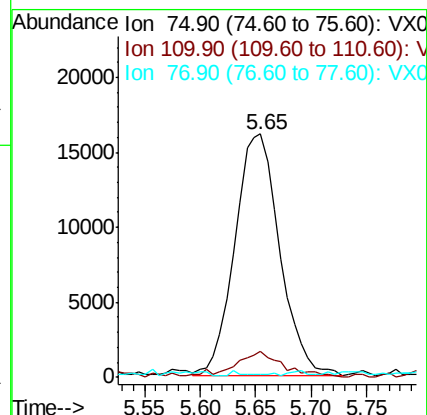
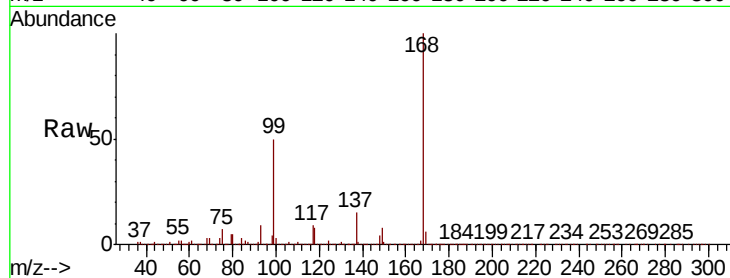
Tot Ion: 75 Resp: 44987

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.1#

77 0.3 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.734 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

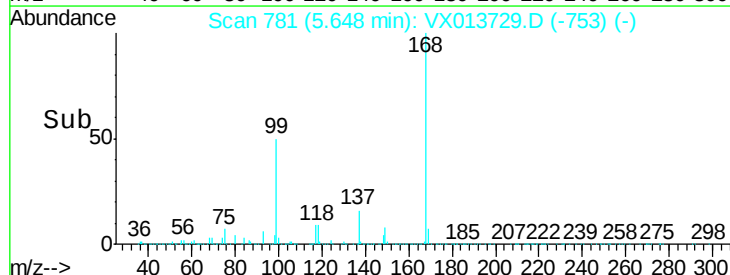
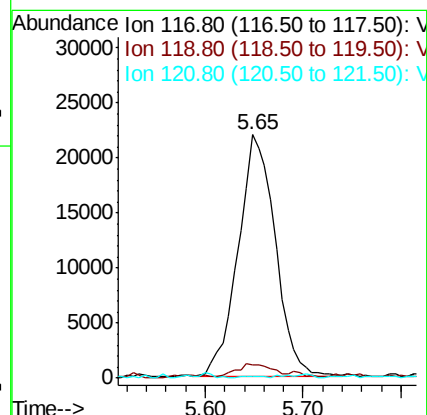
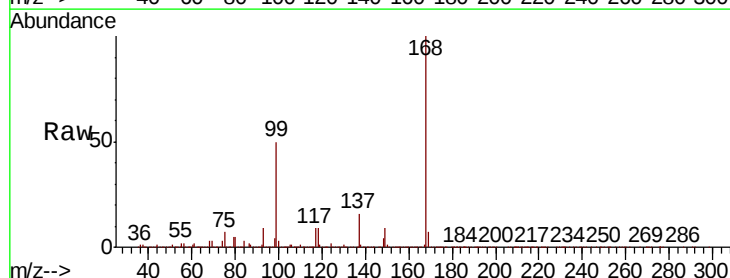
Tgt Ion: 117 Resp: 57900

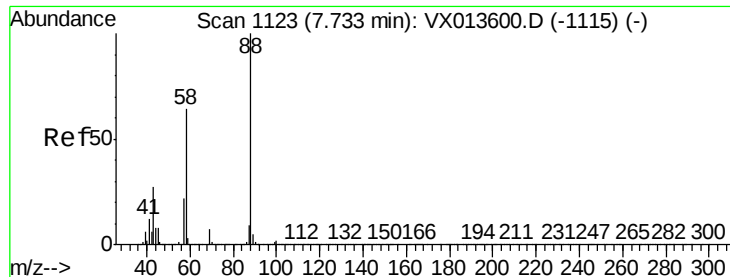
Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

121 0.0 25.0 37.6#





#49

1,4-Dioxane

Concen: 1.313 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampled :

S39-0195

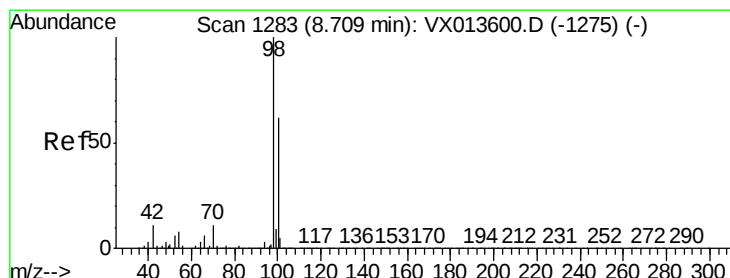
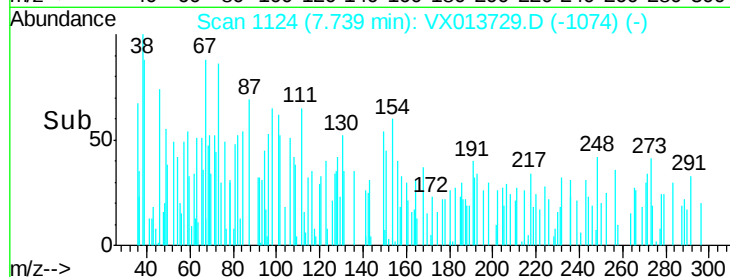
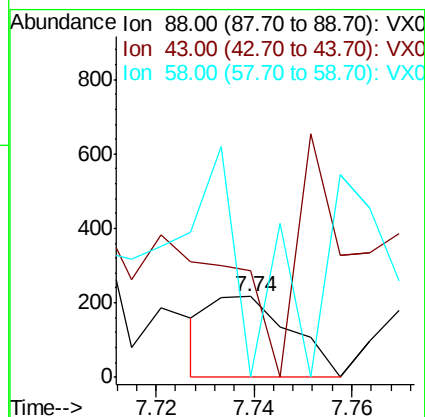
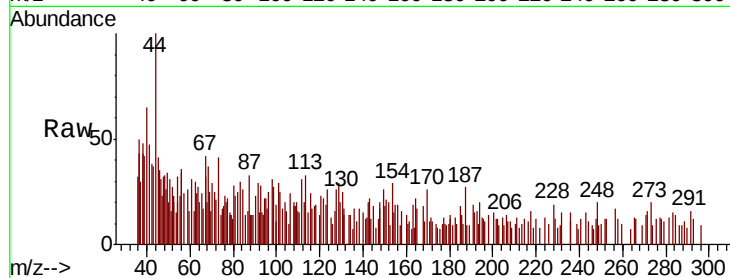
Tot Ion: 88 Resp: 246

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 300.8 54.6 82.0#



#50

Toluene-d8

Concen: 48.688 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013729.D

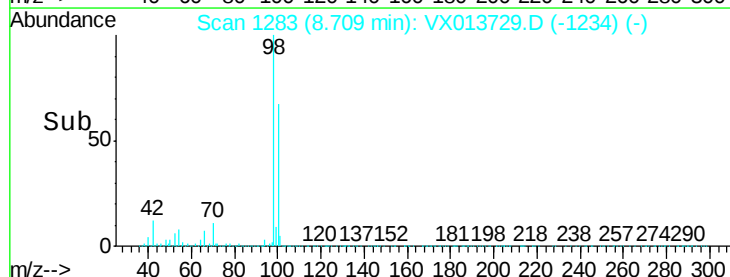
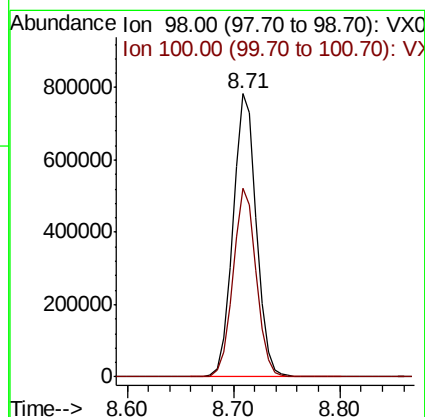
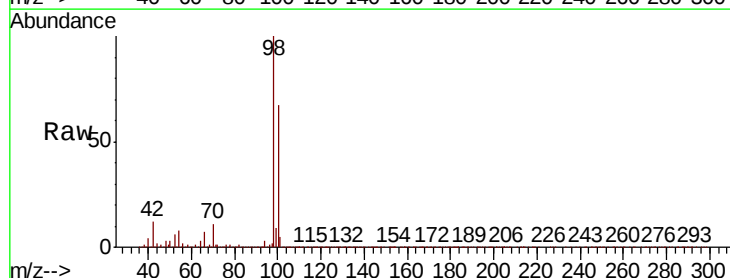
Acq: 03 Dec 2019 16:58

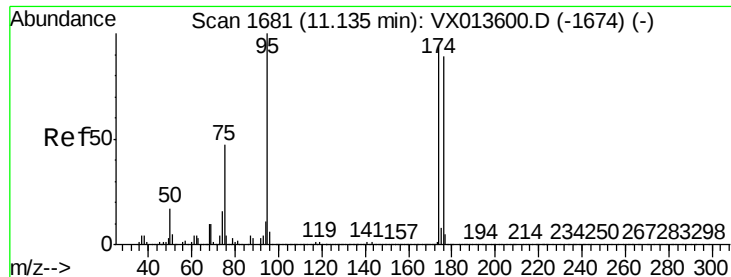
Tgt Ion: 98 Resp: 1204570

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7





#62

4-Bromofluorobenzene

Concen: 46.721 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

S39-0195

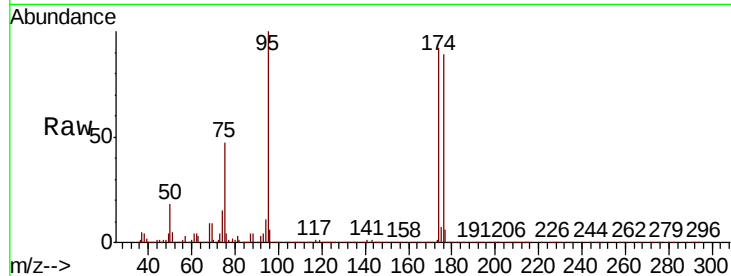
Tot Ion: 95 Resp: 416827

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.0

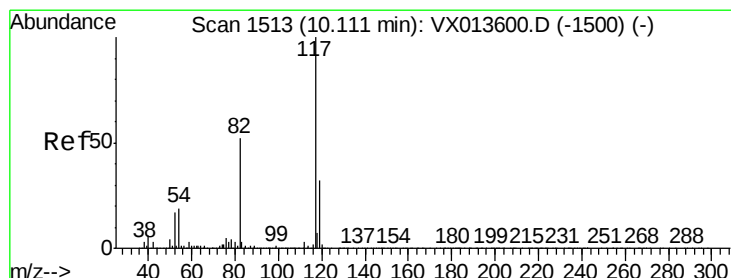
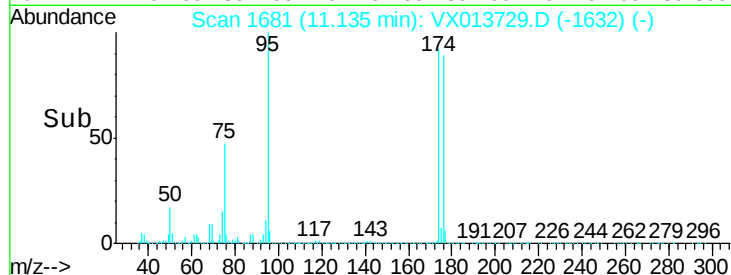
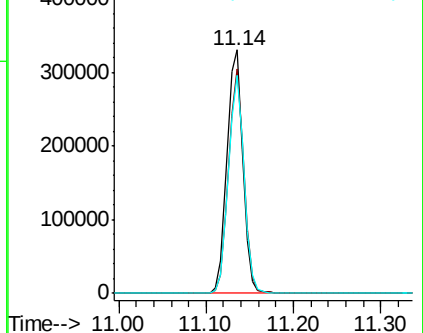
176 87.9 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

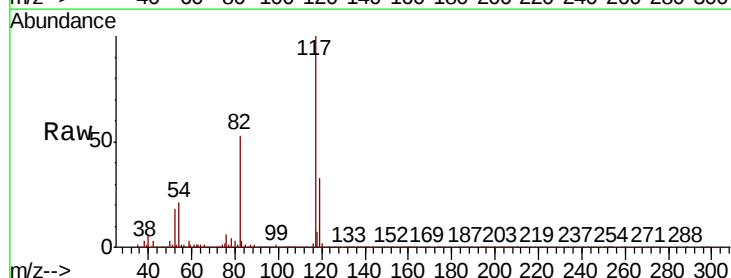
Tgt Ion: 117 Resp: 910707

Ion Ratio Lower Upper

117 100

82 53.0 41.8 62.8

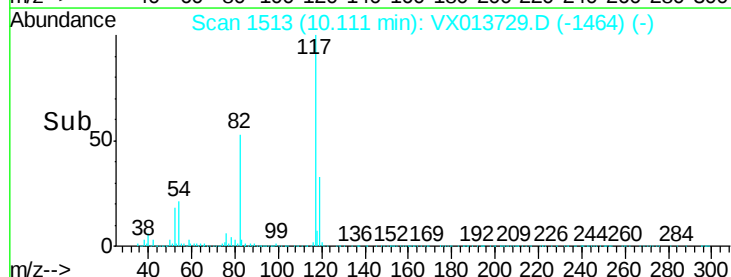
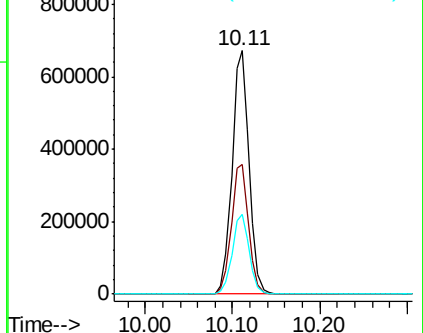
119 32.6 25.8 38.8

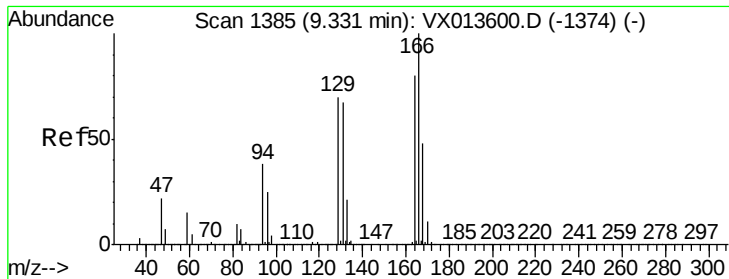


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 0.261 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

S39-0195

Tot Ion:164 Resp: 1775

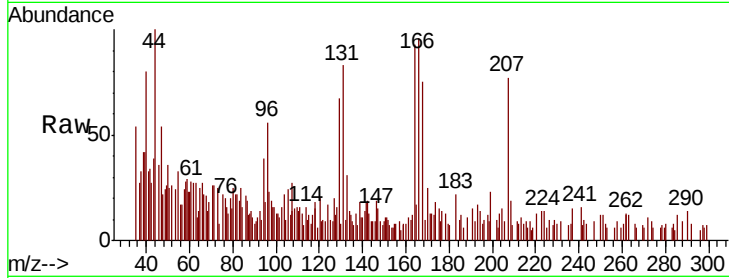
Ion Ratio Lower Upper

164 100

166 103.1 99.7 149.5

129 57.7 70.1 105.1#

131 77.4 66.9 100.3



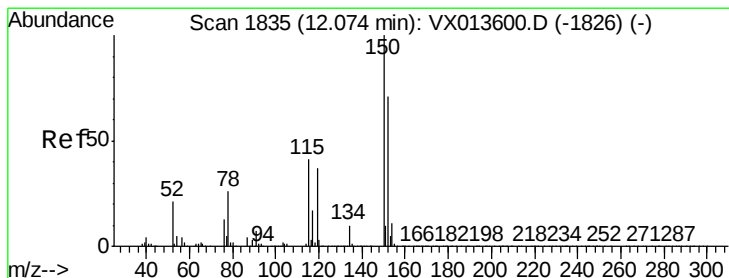
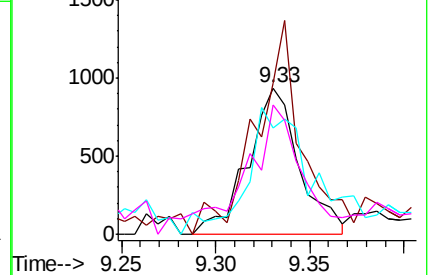
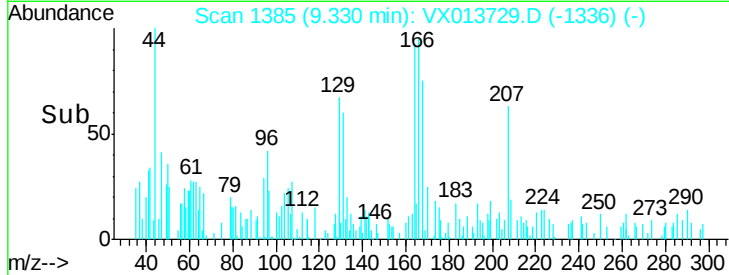
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

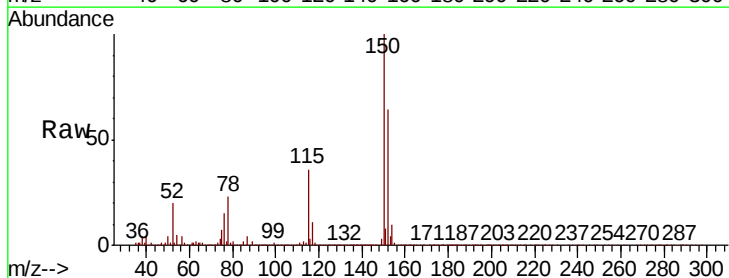
Tgt Ion:152 Resp: 423658

Ion Ratio Lower Upper

152 100

115 55.4 38.4 115.1

150 155.9 0.0 346.8

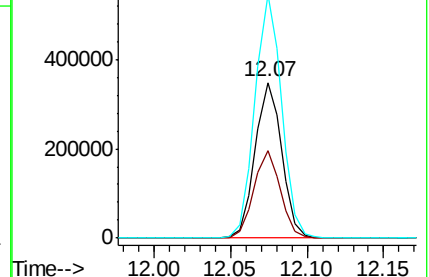
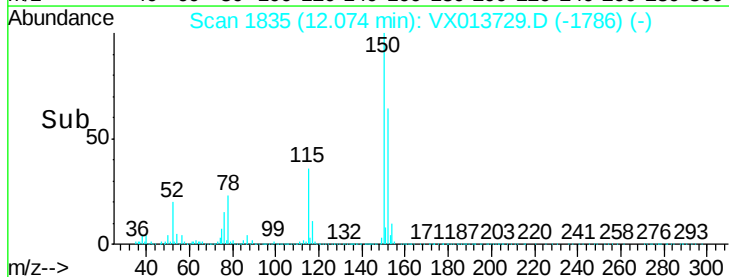


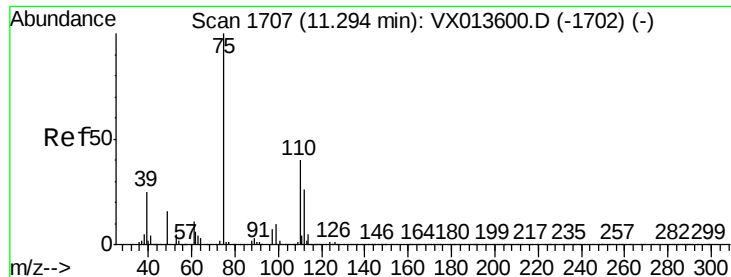
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 21.049 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

Instrument :

MSVOA_X

ClientSampleId :

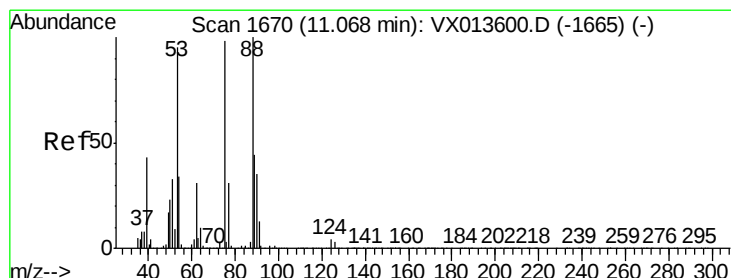
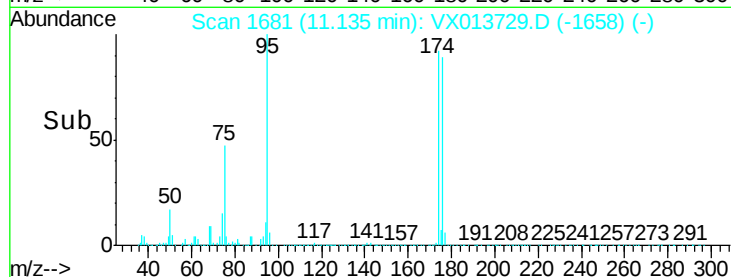
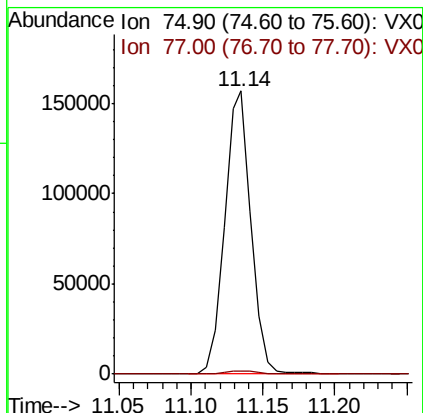
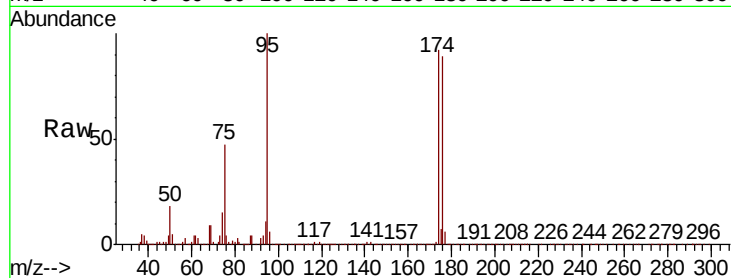
S39-0195

Tot Ion: 75 Resp: 200574

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.587 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013729.D

Acq: 03 Dec 2019 16:58

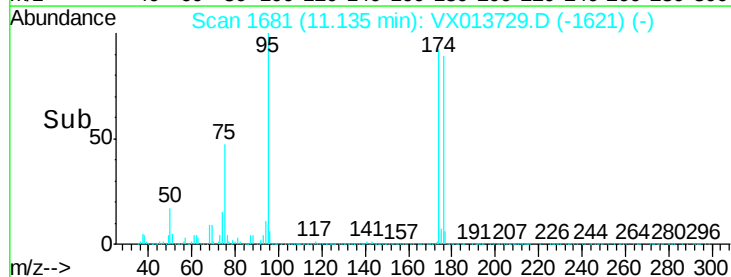
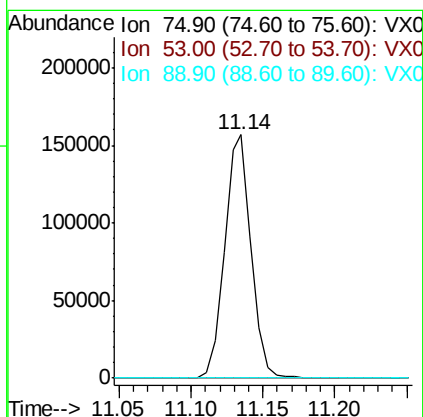
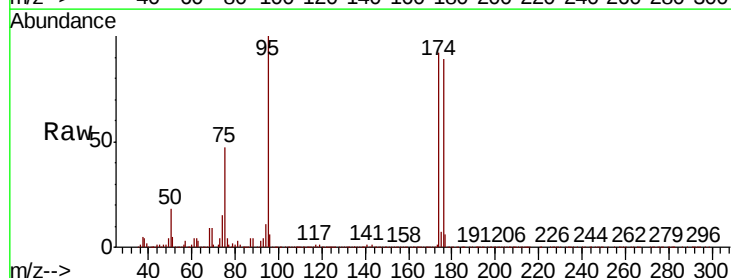
Tgt Ion: 75 Resp: 200574

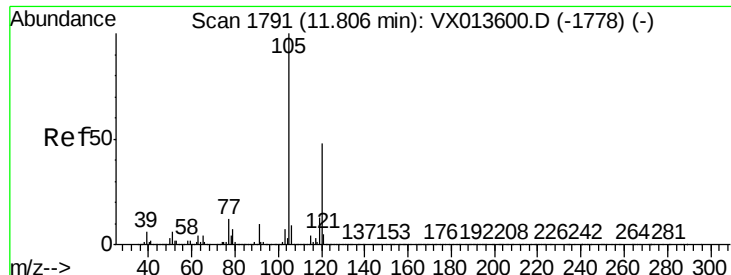
Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.2#

89 0.0 35.4 53.2#

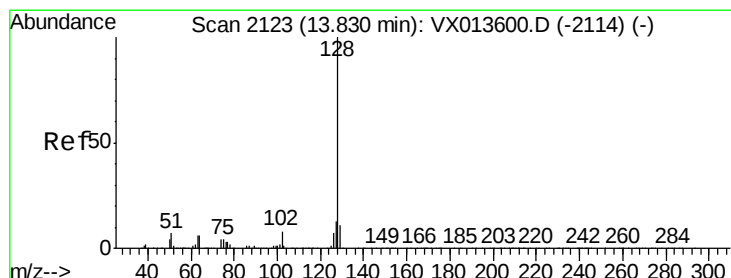
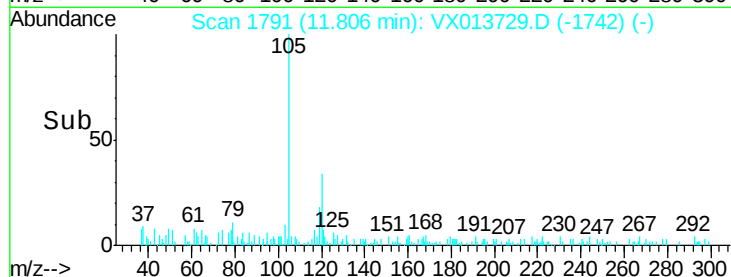
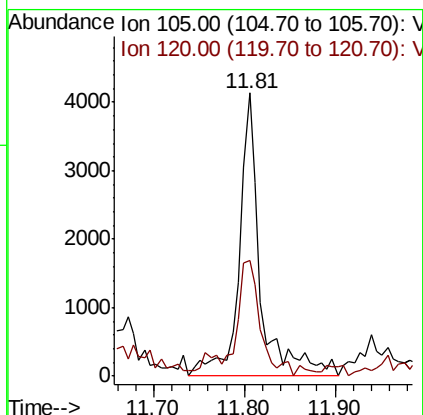
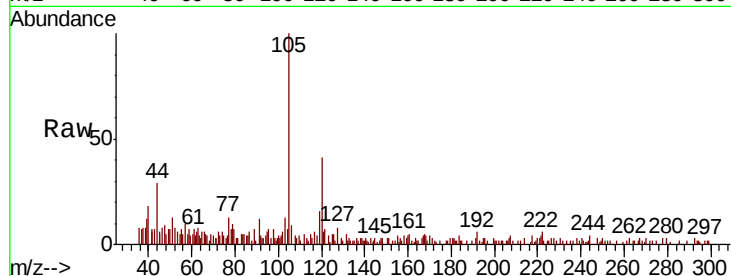




#84
 1,2,4-Trimethylbenzene
 Concen: 0.273 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013729.D
 Acq: 03 Dec 2019 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 S39-0195

Tot Ion:105 Resp: 6742
 Ion Ratio Lower Upper
 105 100
 120 43.1 23.1 69.3



#95
 Naphthalene
 Concen: 0.965 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. -0.00 min
 Lab File: VX013729.D
 Acq: 03 Dec 2019 16:58

Tgt Ion:128 Resp: 27688
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.3 15.5
 129 15.0 8.7 13.1#

