

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021020\
 Data File : VX014901.D
 Acq On : 10 Feb 2020 20:16
 Operator : JC/SP
 Sample : L1456-04
 Misc : 6.33q/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ETGI-337-290

Quant Time: Feb 11 06:49:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	439971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	683373	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	647883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	363005	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	246567	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
35) Dibromofluoromethane	5.50	113	195827	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	
50) Toluene-d8	8.71	98	813068	50.70	ug/l	0.00
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.14	95	311151	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

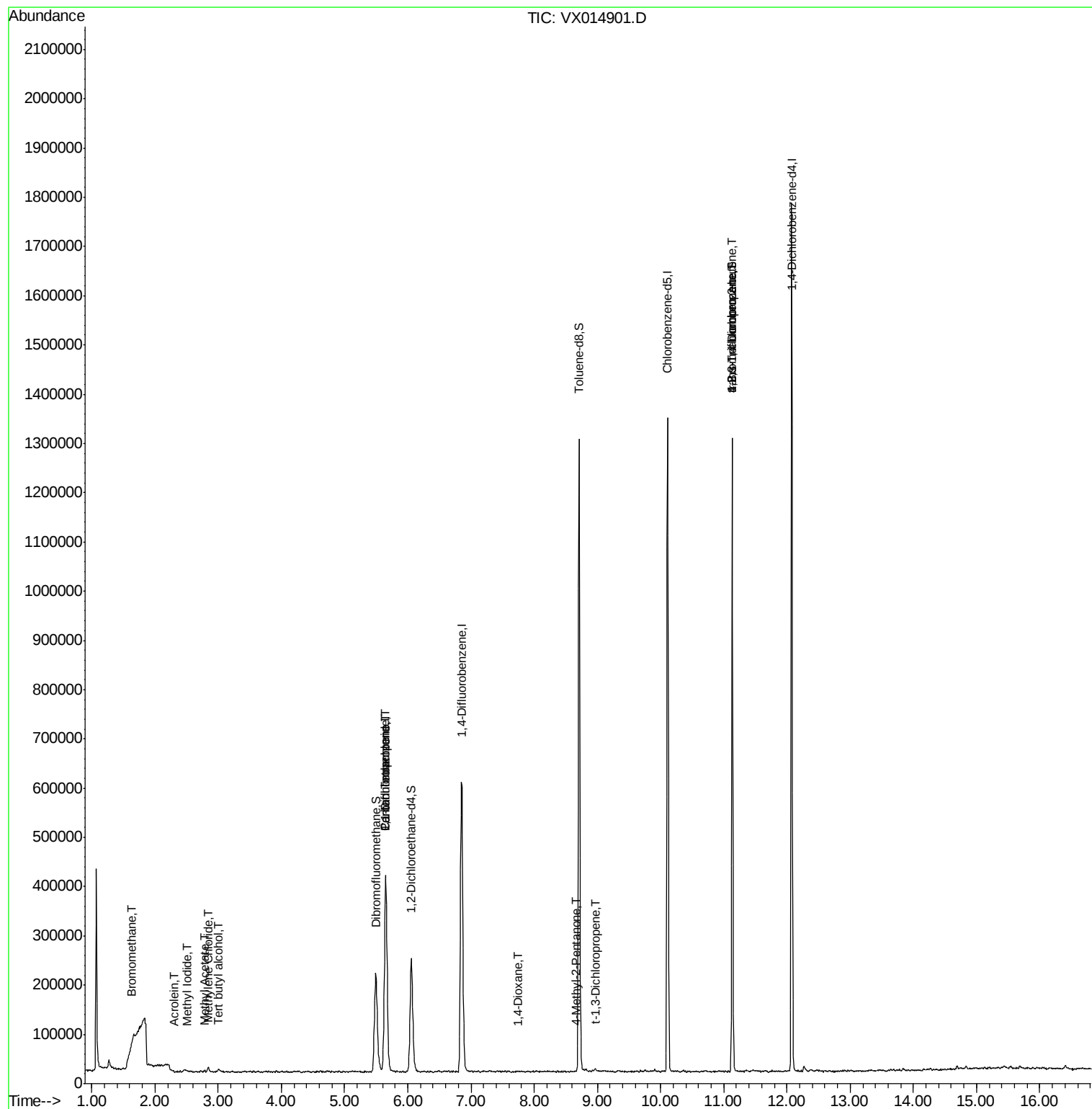
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1927	0.585	ug/l	96
10) Methyl Iodide	2.51	142	847	4.537	ug/l #	52
11) Tert butyl alcohol	3.00	59	1605	1.831	ug/l	97
13) Acrolein	2.30	56	191	0.286	ug/l	97
16) Acetone	2.42	43	723	Below Cal	#	45
18) Methyl Acetate	2.79	43	3778	0.755	ug/l #	87
20) Methylene Chloride	2.84	84	6588	1.379	ug/l #	79
36) 1,1-Dichloropropene	5.64	75	28536	4.668	ug/l #	51
38) Carbon Tetrachloride	5.64	117	38185	6.410	ug/l #	16
49) 1,4-Dioxane	7.75	88	215	2.222	ug/l #	71
51) 4-Methyl-2-Pentanone	8.67	43	1737	0.274	ug/l #	80
53) t-1,3-Dichloropropene	8.96	75	3457	0.500	ug/l #	64
76) 1,2,3-Trichloropropane	11.14	75	155643	23.710	ug/l #	41
81) trans-1,4-Dichloro-2-buten	11.14	75	155643	60.692	ug/l #	12

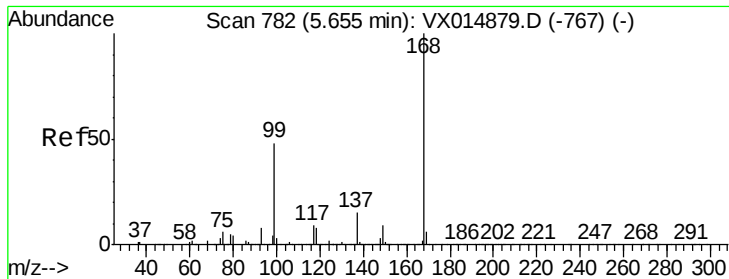
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

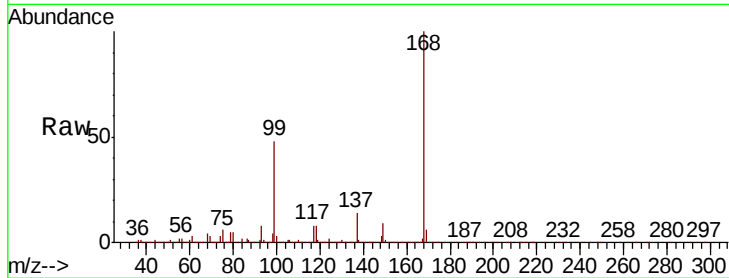
ETGI-337-290

Tot Ion:168 Resp: 439971

Ion Ratio Lower Upper

168 100

99 48.1 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

150000

100000

50000

0

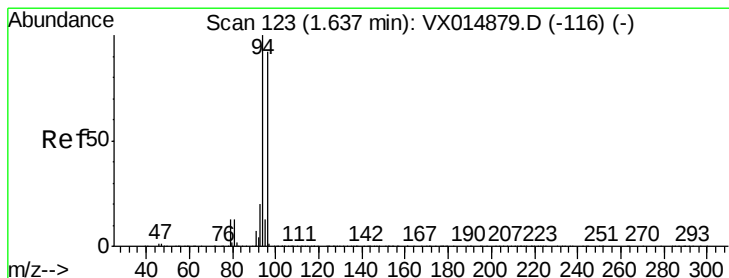
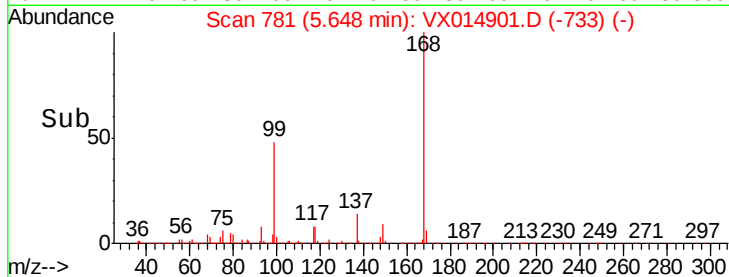
5.65

5.60

5.70

5.80

Time-->



#5

Bromomethane

Concen: 0.585 ug/l

RT: 1.63 min Scan# 122

Delta R.T. -0.01 min

Lab File: VX014901.D

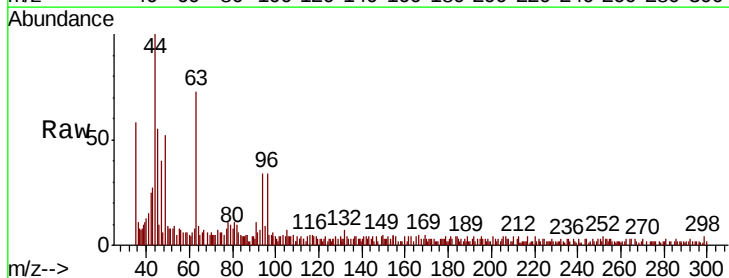
Acq: 10 Feb 2020 20:16

Tgt Ion: 94 Resp: 1927

Ion Ratio Lower Upper

94 100

96 96.1 73.7 110.5



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

2000

1500

1000

500

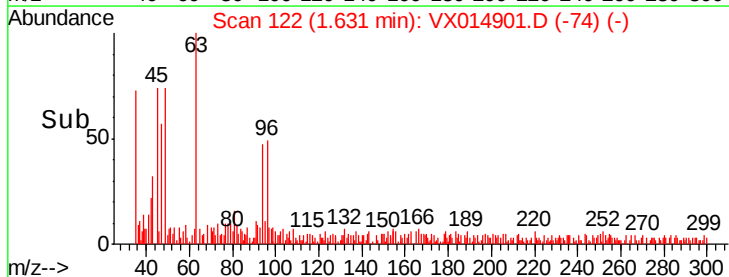
0

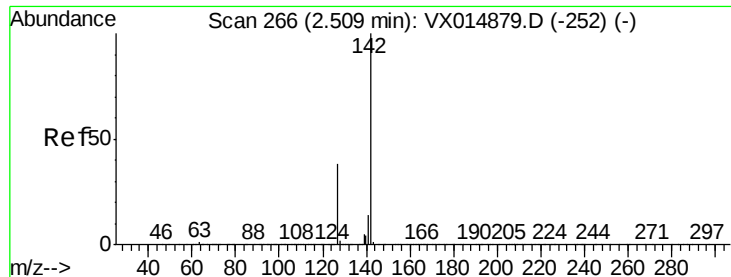
1.63

1.60

1.65

Time-->

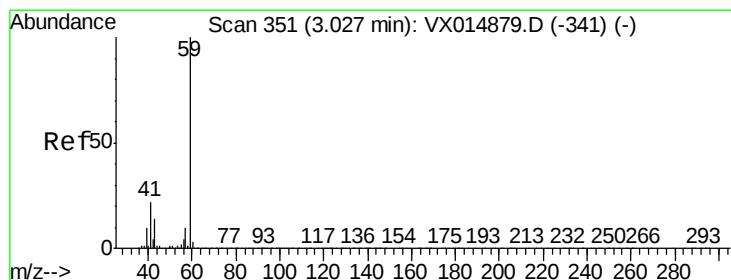
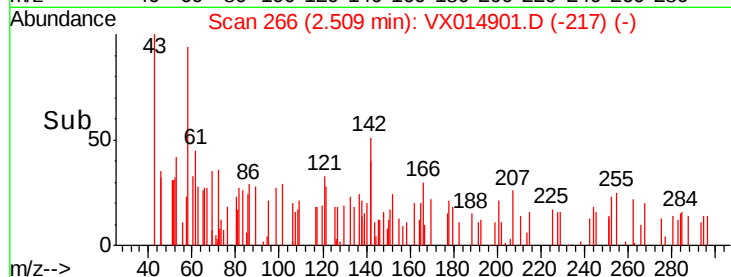
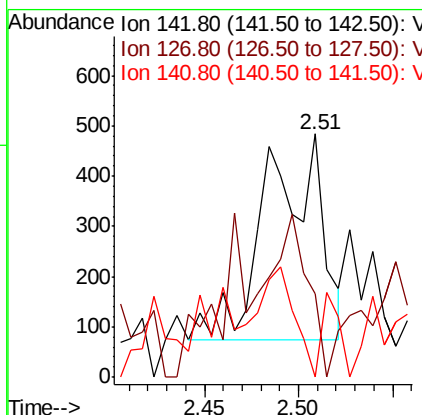
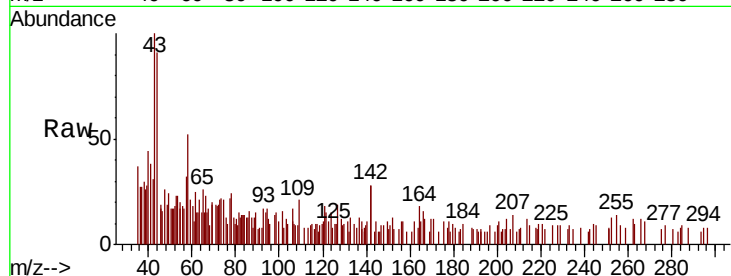




#10
Methyl Iodide
Concen: 4.537 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

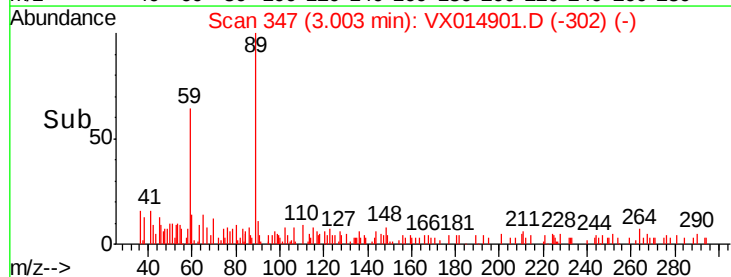
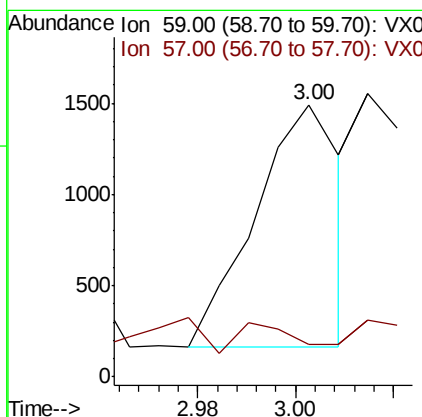
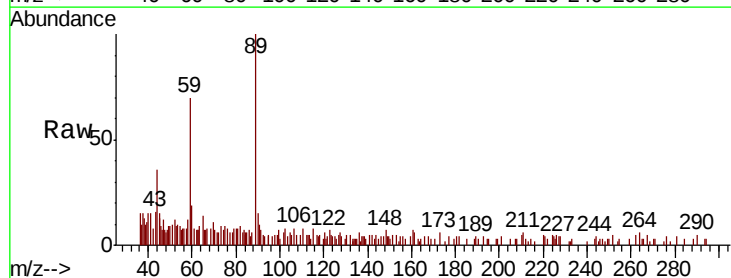
Instrument :
MSVOA_X
ClientSampleId :
ETGI-337-290

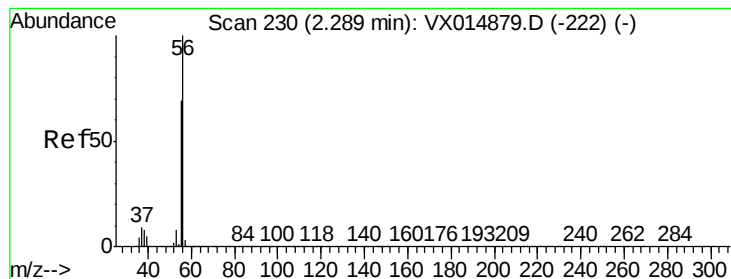
Tot Ion:142 Resp: 847
Ion Ratio Lower Upper
142 100
127 0.0 31.1 46.7#
141 12.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.831 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

Tgt Ion: 59 Resp: 1605
Ion Ratio Lower Upper
59 100
57 11.4 8.2 12.4





#13

Acrolein

Concen: 0.286 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

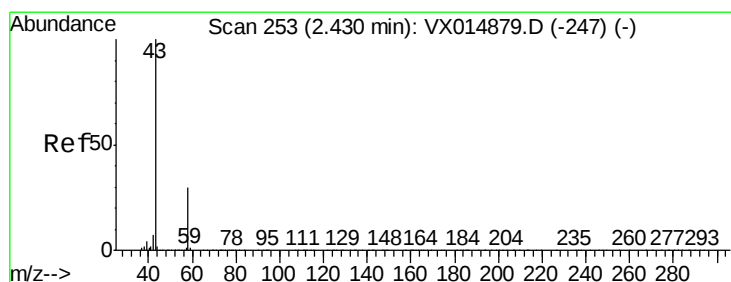
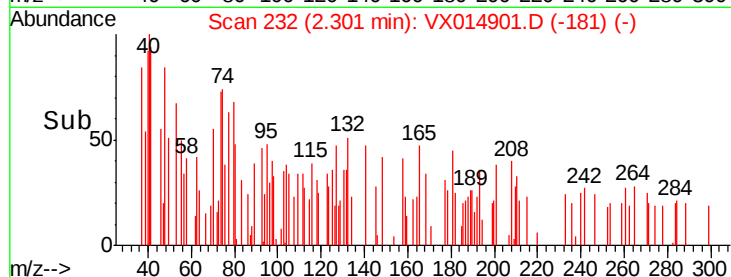
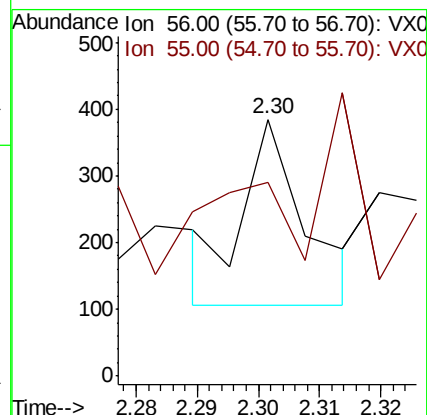
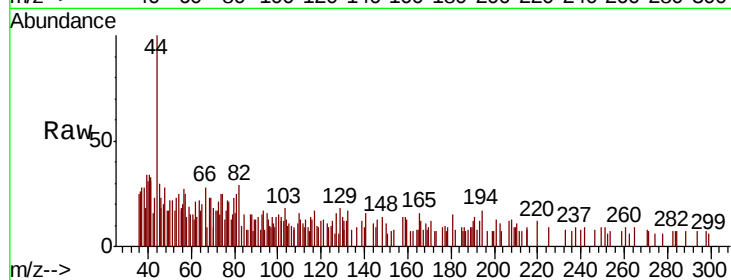
ETGI-337-290

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 71.2 55.0 82.4



#16

Acetone

Concen: Below Cal

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX014901.D

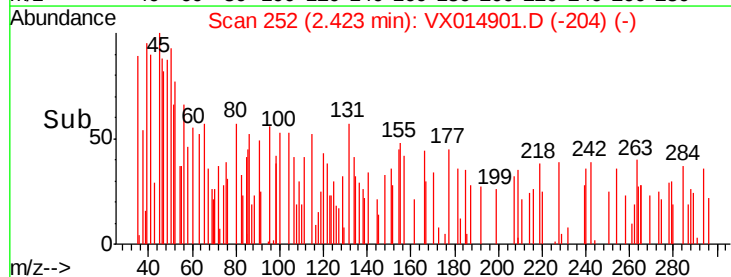
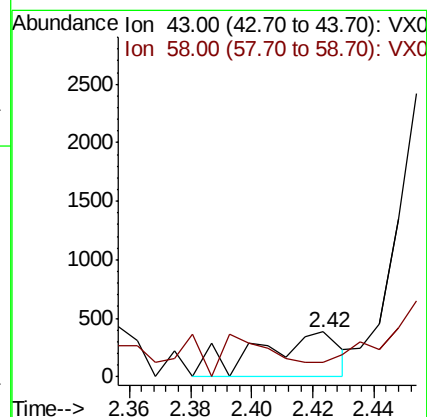
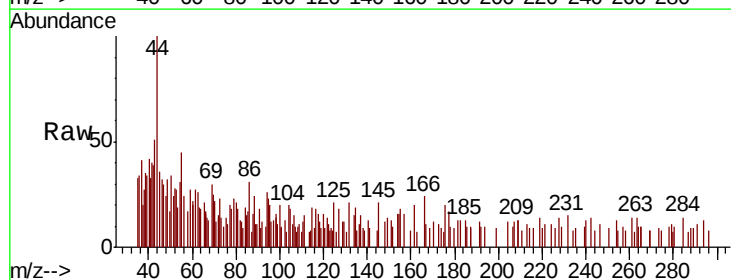
Acq: 10 Feb 2020 20:16

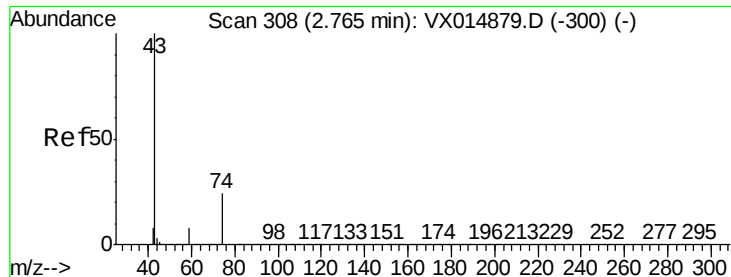
Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

58 0.0 24.1 36.1#

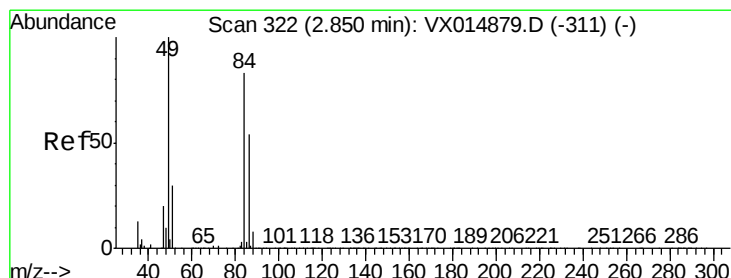
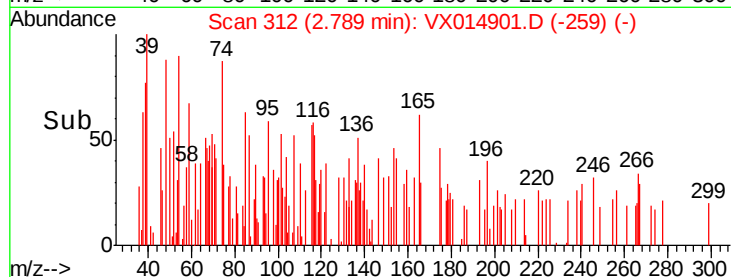
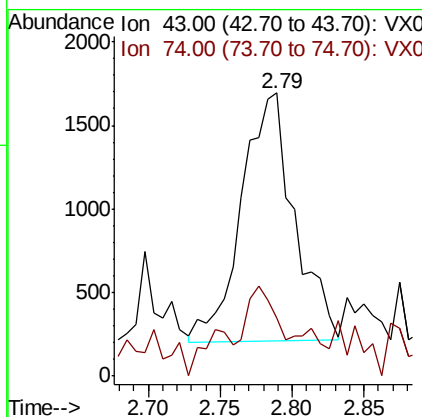
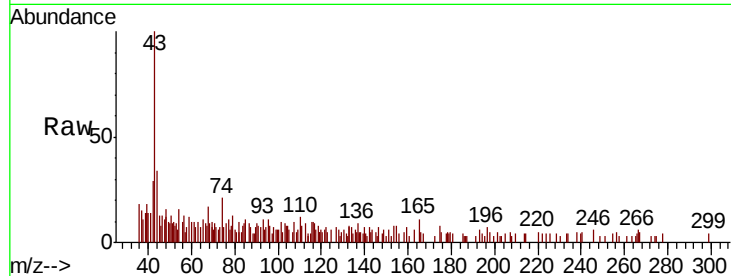




#18
Methyl Acetate
Concen: 0.755 ug/l
RT: 2.79 min Scan# 312
Delta R.T. 0.02 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

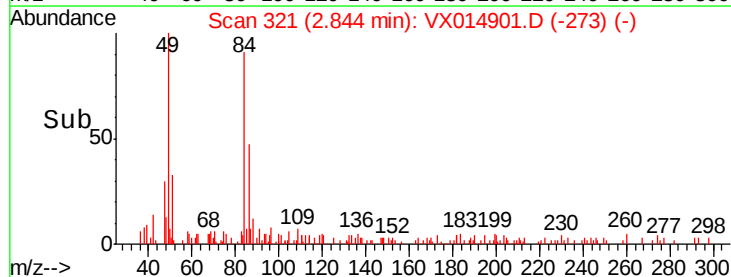
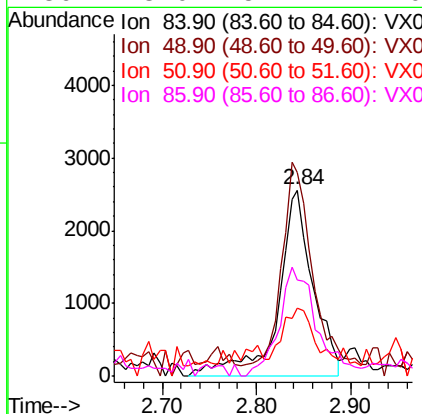
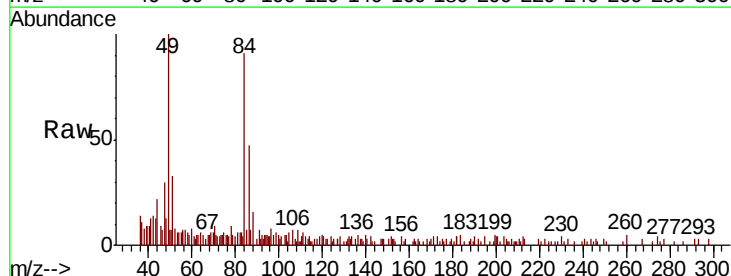
Instrument :
MSVOA_X
ClientSampleId :
ETGI-337-290

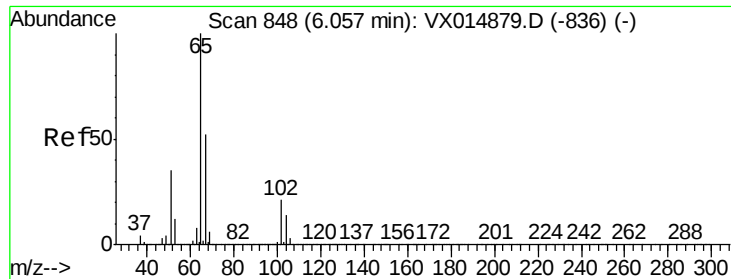
Tot Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
74 17.6 19.4 29.0#



#20
Methylene Chloride
Concen: 1.379 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

Tgt Ion: 84 Resp: 6588
Ion Ratio Lower Upper
84 100
49 95.5 95.6 143.4#
51 31.2 29.0 43.6
86 43.0 51.4 77.0#

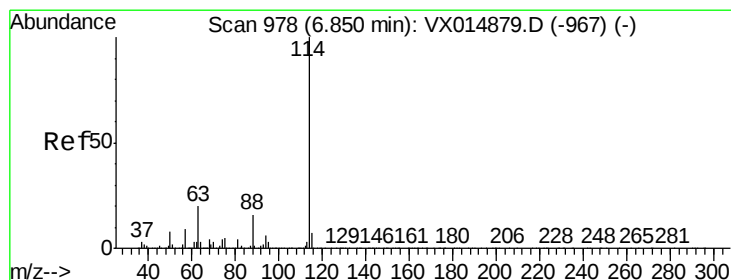
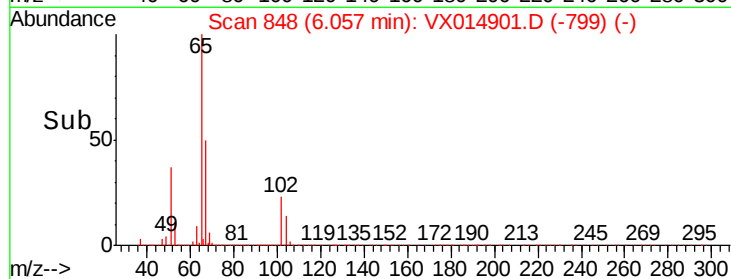
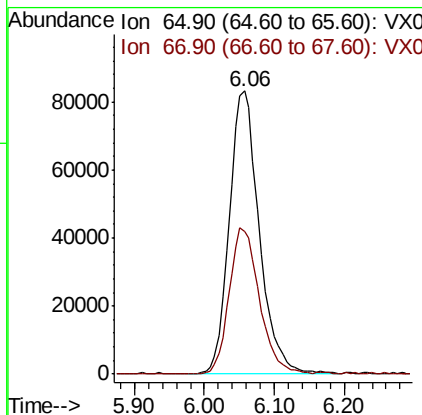
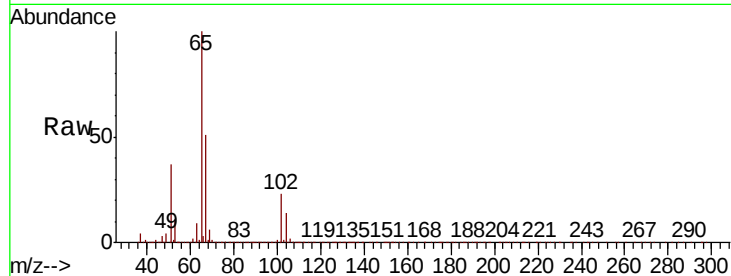




#33
 1,2-Dichloroethane-d4
 Concen: 49.657 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX014901.D
 Acq: 10 Feb 2020 20:16

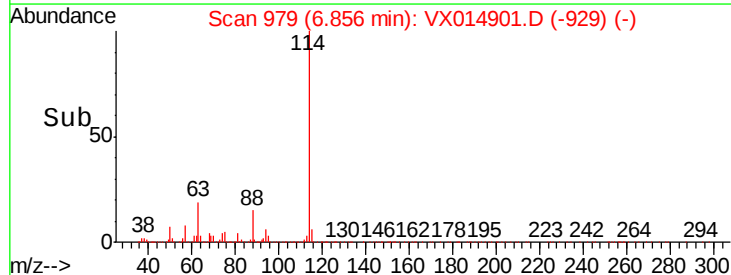
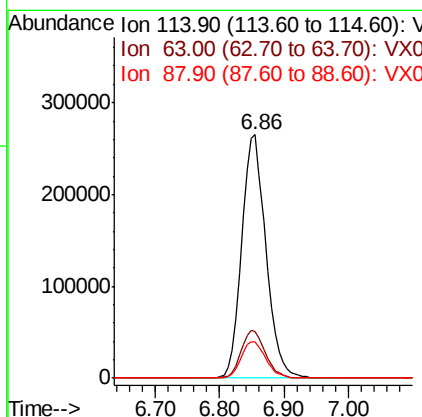
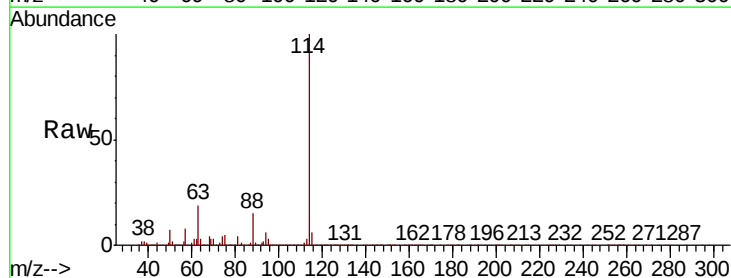
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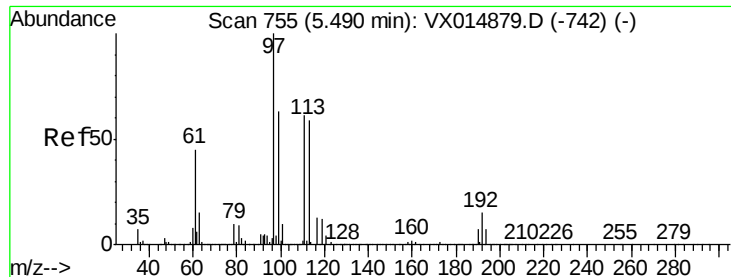
Tot Ion: 65 Resp: 246567
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX014901.D
 Acq: 10 Feb 2020 20:16

Tgt Ion: 114 Resp: 683373
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 14.9 0.0 32.0

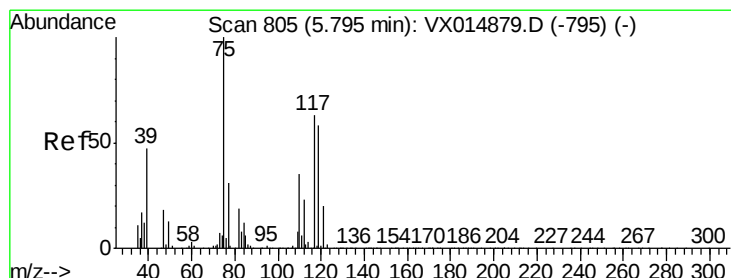
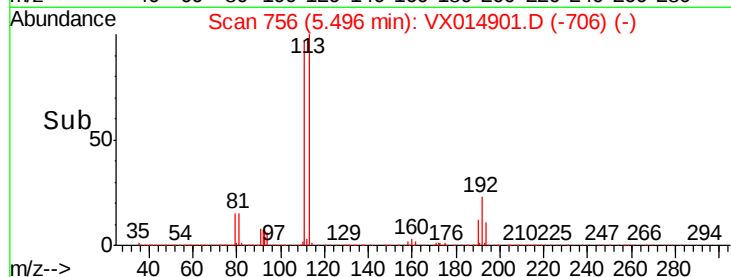
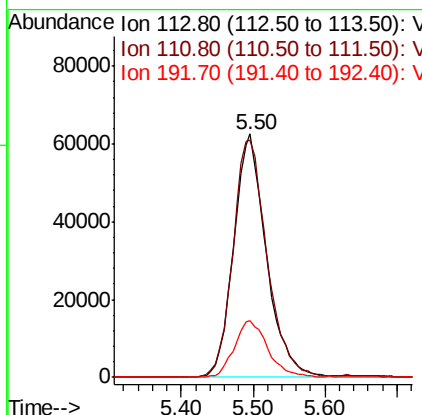
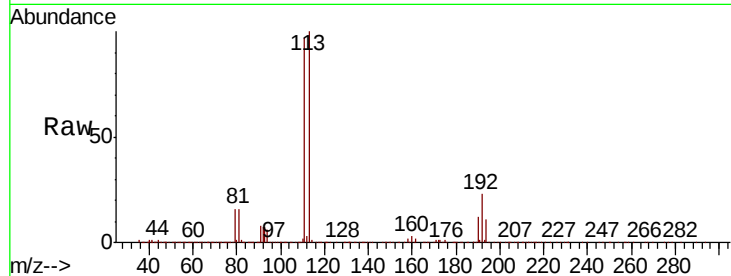




#35
 Dibromofluoromethane
 Concen: 46.612 ug/l
 RT: 5.50 min Scan# 756
 Delta R.T. 0.01 min
 Lab File: VX014901.D
 Acq: 10 Feb 2020 20:16

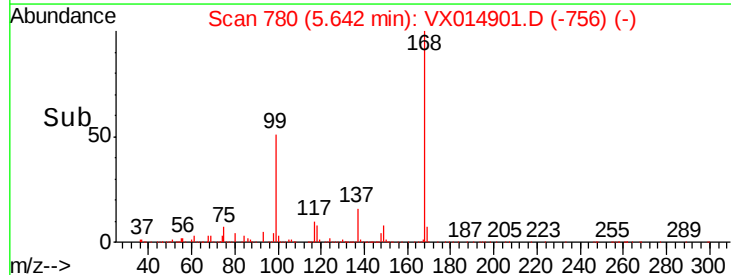
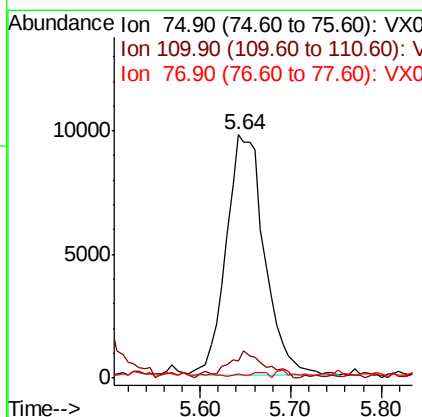
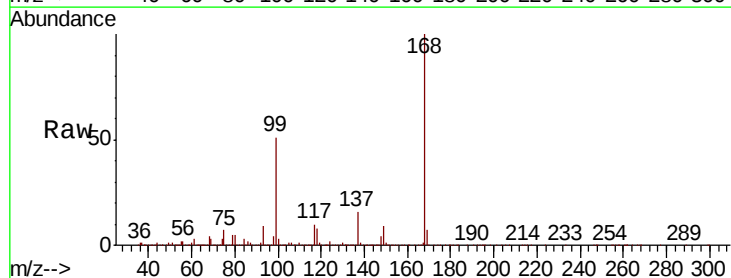
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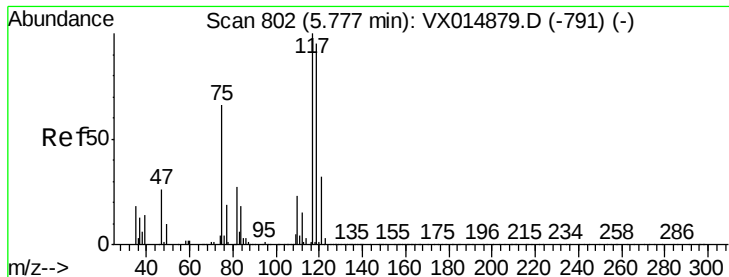
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	24.0	19.1	28.7



#36
 1,1-Dichloropropene
 Concen: 4.668 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX014901.D
 Acq: 10 Feb 2020 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.3	54.8#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 6.410 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Instrument :

MSVOA_X

ClientSampleId :

ETGI-337-290

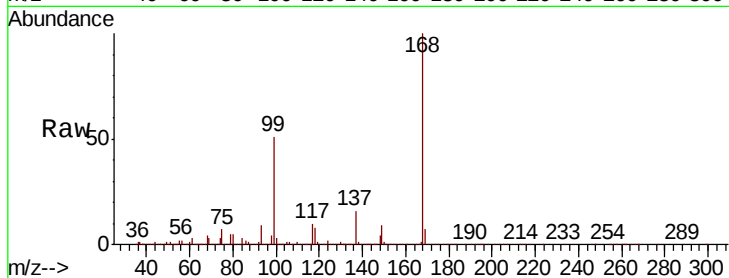
Tot Ion:117 Resp: 38185

Ion Ratio Lower Upper

117 100

119 5.3 76.0 114.0#

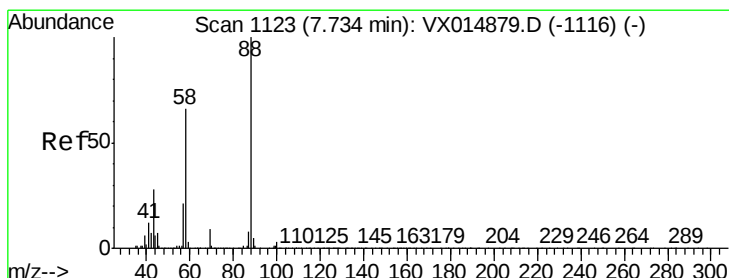
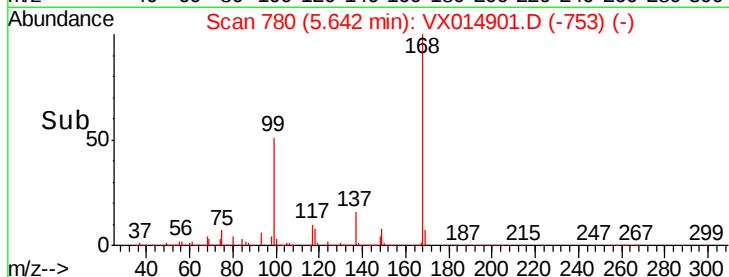
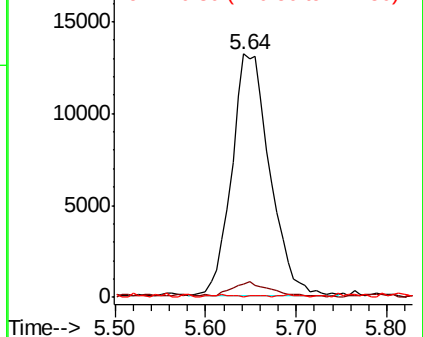
121 0.0 25.4 38.2#



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



#49

1,4-Dioxane

Concen: 2.222 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

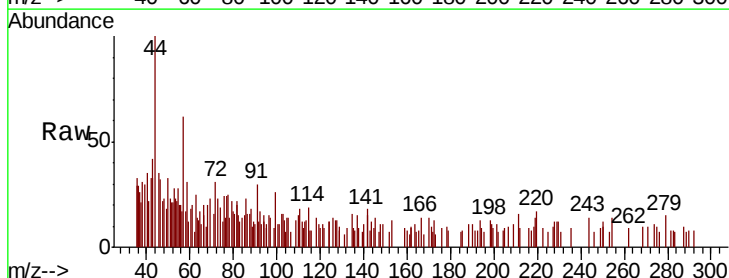
Tgt Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

43 0.0 27.0 40.4#

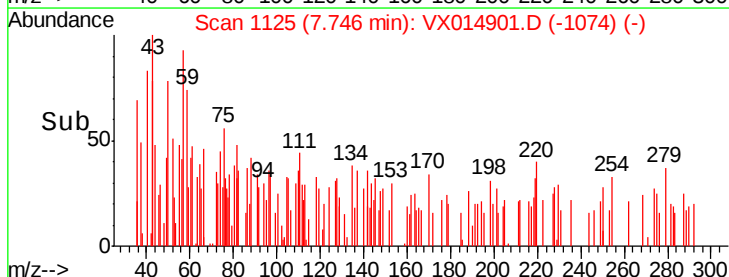
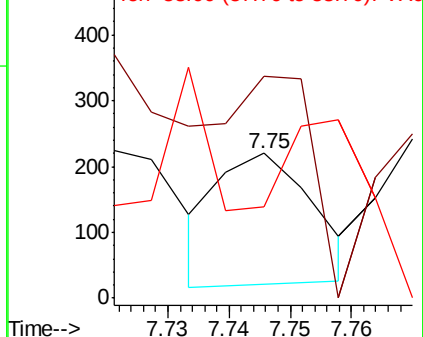
58 77.2 53.2 79.8

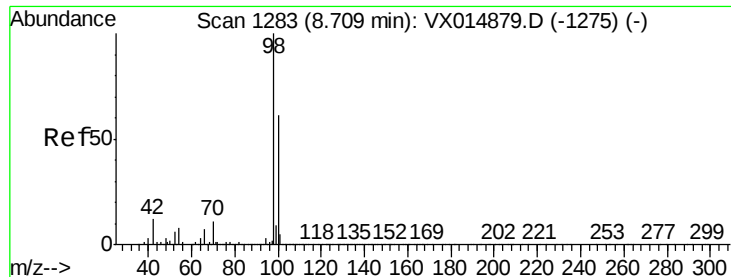


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.701 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Instrument :

MSVOA_X

ClientSampled :

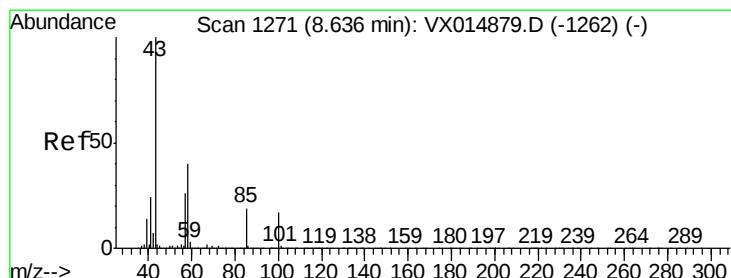
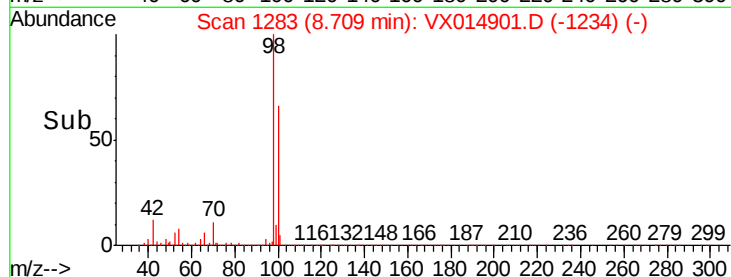
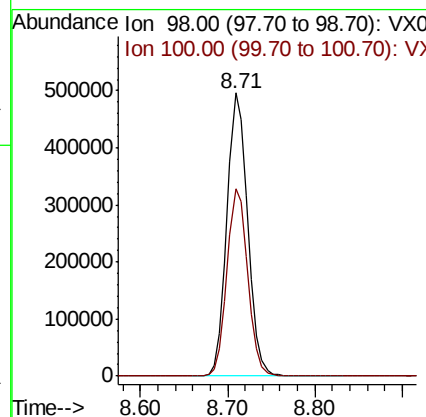
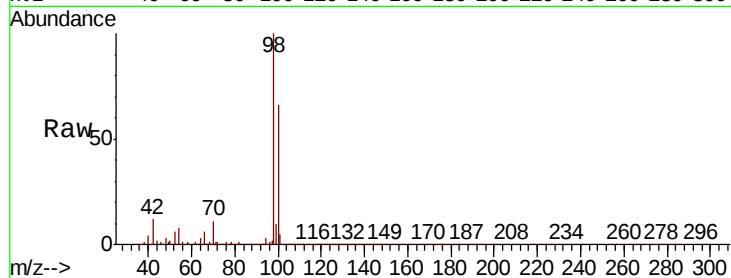
ETGI-337-290

Tot Ion: 98 Resp: 813068

Ion Ratio Lower Upper

98 100

100 66.3 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 0.274 ug/l

RT: 8.67 min Scan# 1276

Delta R.T. 0.03 min

Lab File: VX014901.D

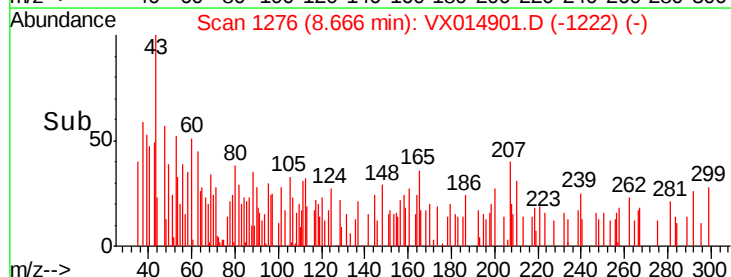
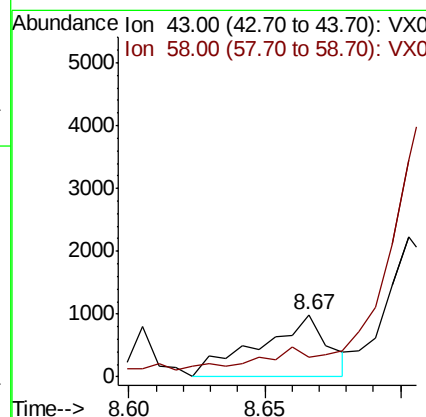
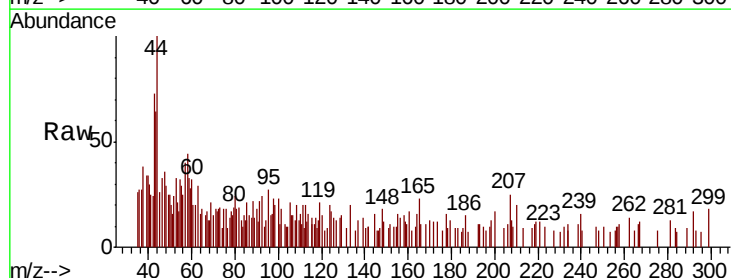
Acq: 10 Feb 2020 20:16

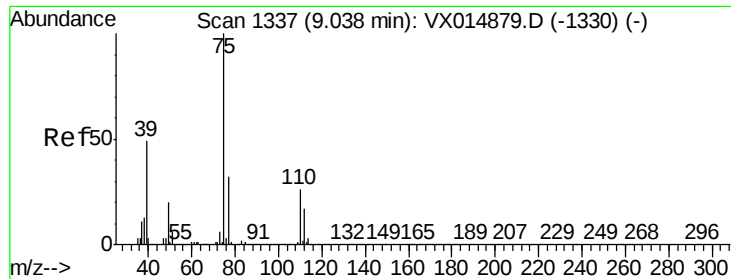
Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

43 100

58 27.7 31.9 47.9#

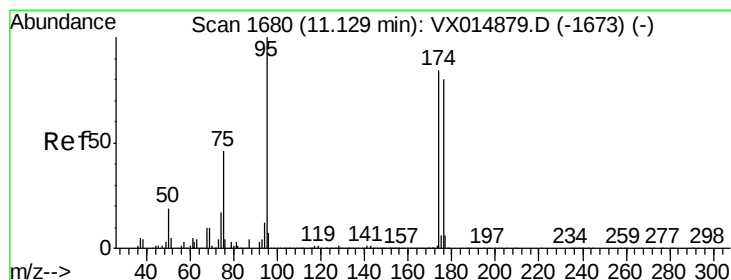
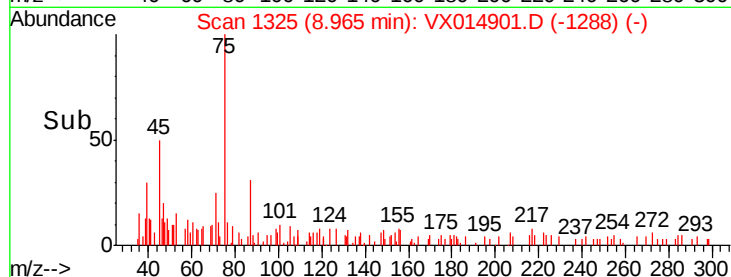
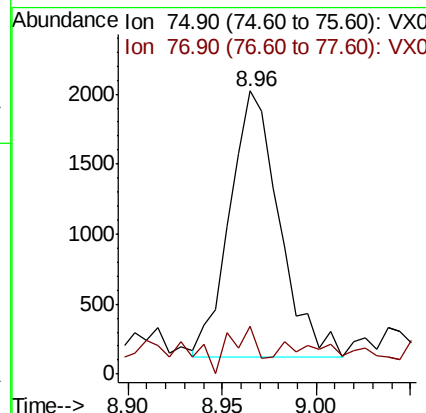
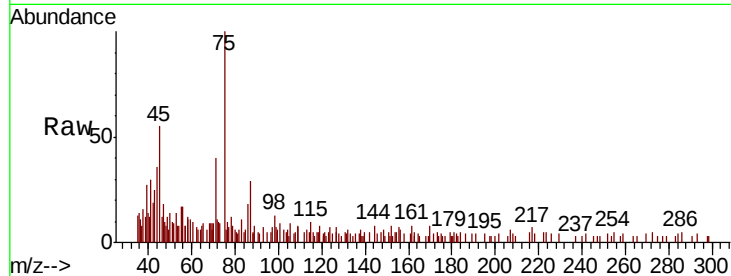




#53
t-1,3-Dichloropropene
Concen: 0.500 ug/l
RT: 8.96 min Scan# 1325
Delta R.T. -0.07 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

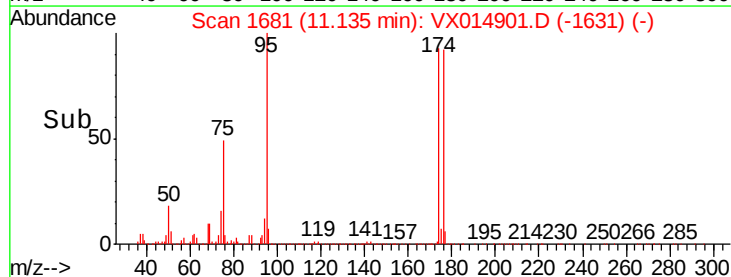
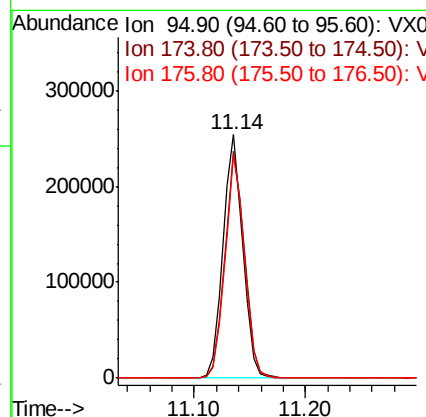
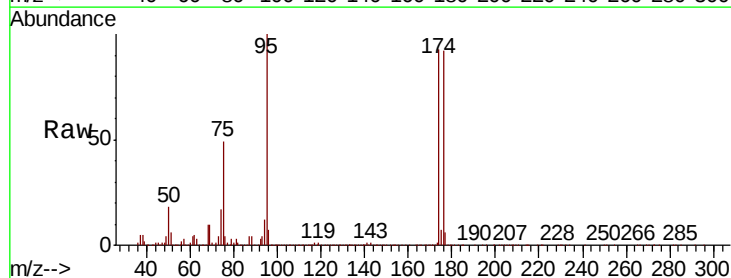
Instrument :
MSVOA_X
ClientSampleId :
ETGI-337-290

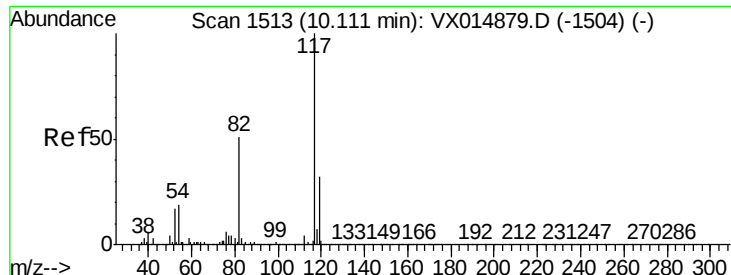
Tot Ion: 75 Resp: 3457
Ion Ratio Lower Upper
75 100
77 11.6 25.5 38.3#



#62
4-Bromofluorobenzene
Concen: 53.862 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

Tgt Ion: 95 Resp: 311151
Ion Ratio Lower Upper
95 100
174 92.8 0.0 183.0
176 90.3 0.0 178.0

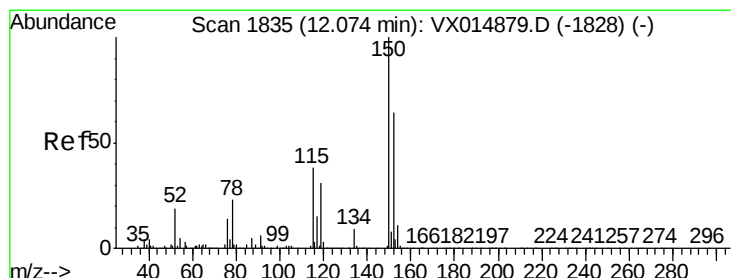
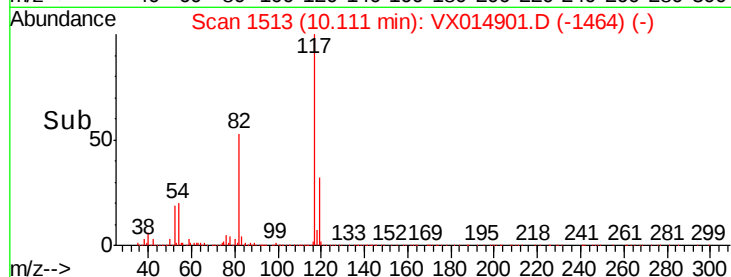
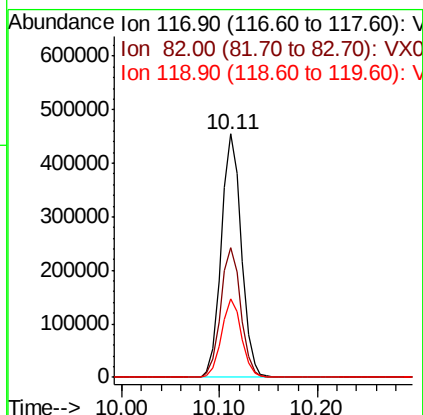
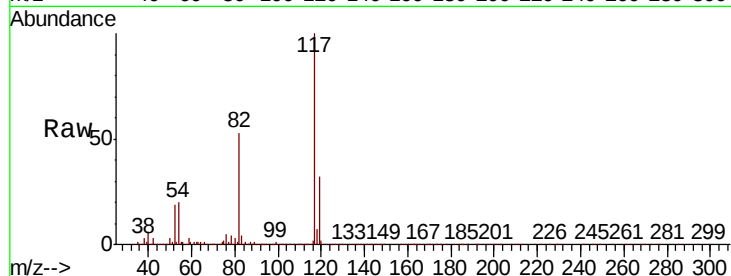




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

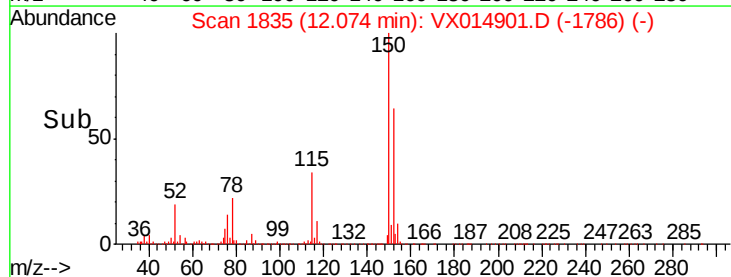
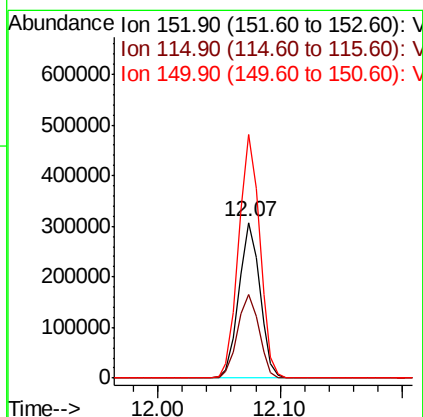
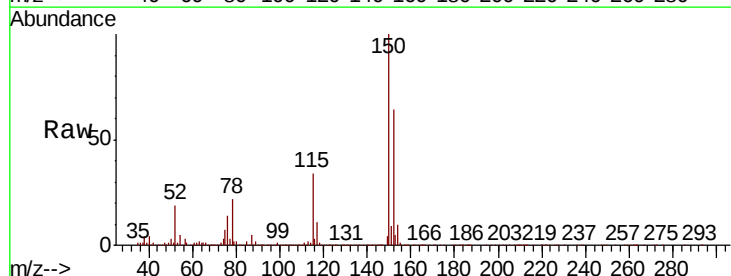
Instrument :
MSVOA_X
ClientSampleId :
ETGI-337-290

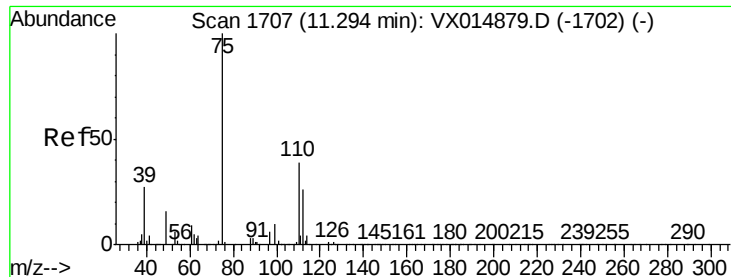
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	40.5	60.7
119	32.4	25.8	38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014901.D
Acq: 10 Feb 2020 20:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	38.6	116.0
150	158.1	0.0	349.0





#76

1,2,3-Trichloropropane

Concen: 23.710 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Instrument :

MSVOA_X

ClientSampled :

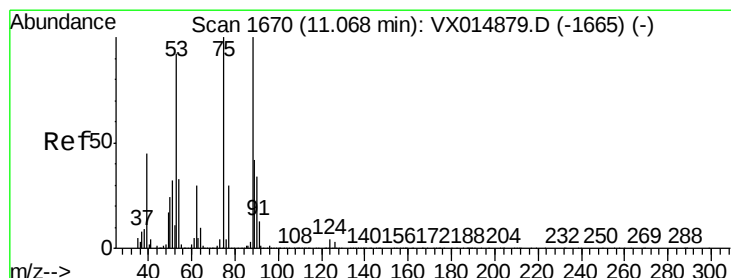
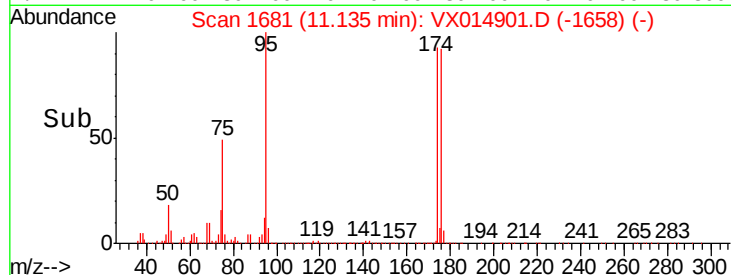
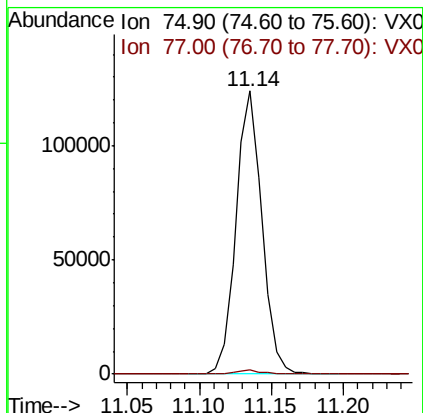
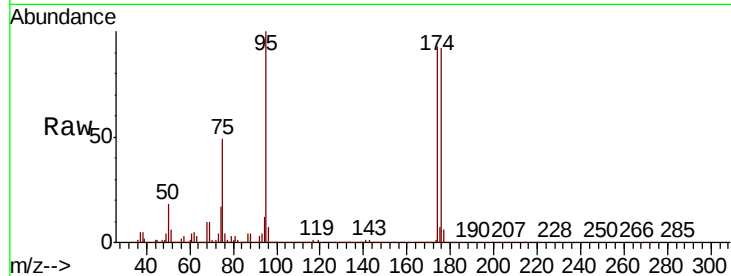
ETGI-337-290

Tot Ion: 75 Resp: 155643

Ion Ratio Lower Upper

75 100

77 1.8 18.4 55.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.692 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX014901.D

Acq: 10 Feb 2020 20:16

Tgt Ion: 75 Resp: 155643

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 35.8 53.6#

