

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002288.D
 Acq On : 05 Jun 2018 04:32
 Operator : JC/MD
 Sample : J3269-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 07:23:52 2018
 Quant Method : Y:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 05 03:22:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	240953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	356374	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	314325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	164710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	168787	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	5.51	113	125052	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	
50) Toluene-d8	8.72	98	503261	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.14	95	167303	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	

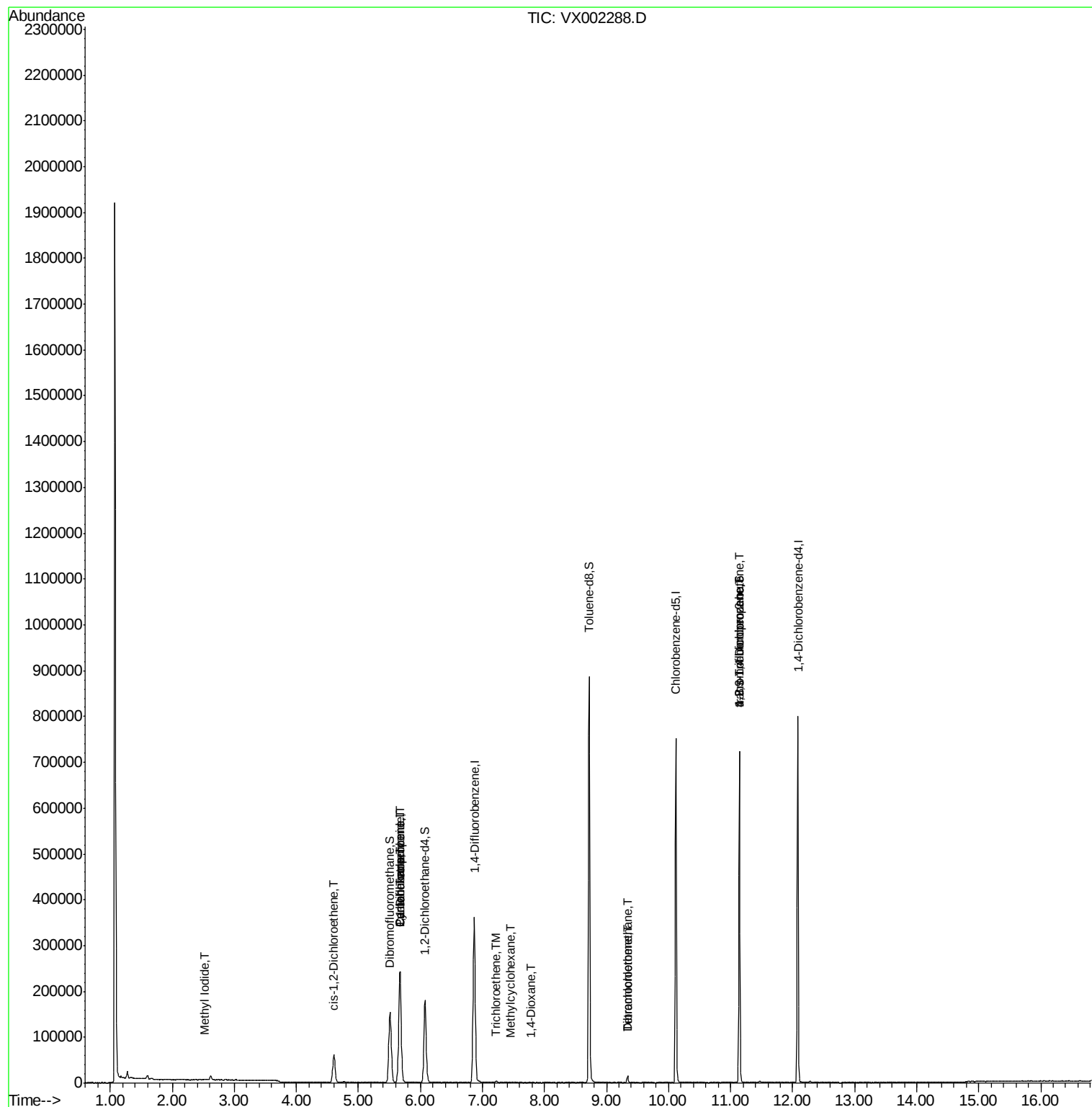
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	653	Below Cal	#	77
5) Bromomethane	1.66	94	1340	Below Cal		92
8) Diethyl Ether	2.28	74	72	Below Cal		89
10) Methyl Iodide	2.52	142	1019	0.28	ug/l	# 68
11) Tert butyl alcohol	3.03	59	1207	Below Cal		100
13) Acrolein	2.29	56	72	Below Cal	#	60
15) Acrylonitrile	3.14	53	125	Below Cal	#	69
16) Acetone	2.45	43	851	Below Cal	#	63
18) Methyl Acetate	2.80	43	250	Below Cal	#	55
19) Methyl tert-butyl Ether	3.22	73	26	Below Cal	#	54
20) Methylene Chloride	2.86	84	470	Below Cal	#	74
22) Diisopropyl ether	3.88	45	104	Below Cal	#	66
27) cis-1,2-Dichloroethene	4.60	96	35087	11.41	ug/l	89
28) Bromochloromethane	5.07	49	19	Below Cal	#	13
31) Cyclohexane	5.67	56	5588	1.28	ug/l	# 11
36) 1,1-Dichloropropene	5.67	75	16997	4.54	ug/l	# 51
38) Carbon Tetrachloride	5.67	117	22912	5.85	ug/l	# 16
39) Methylcyclohexane	7.45	83	19	0.27	ug/l	# 16
44) Trichloroethene	7.22	130	1188	0.37	ug/l	98
49) 1,4-Dioxane	7.77	88	23	0.32	ug/l	# 1
60) Dibromochloromethane	9.34	129	2717	0.90	ug/l	# 11
64) Tetrachloroethene	9.34	164	2944	0.91	ug/l	93
76) 1,2,3-Trichloropropane	11.14	75	90890	25.15	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	90890	88.15	ug/l	# 6

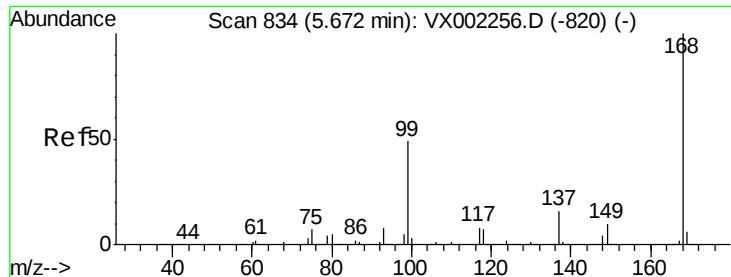
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060418\
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ClientSampleId :

Quant Time: Jun 05 07:23:52 2018
Quant Method : Y:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 05 03:22:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

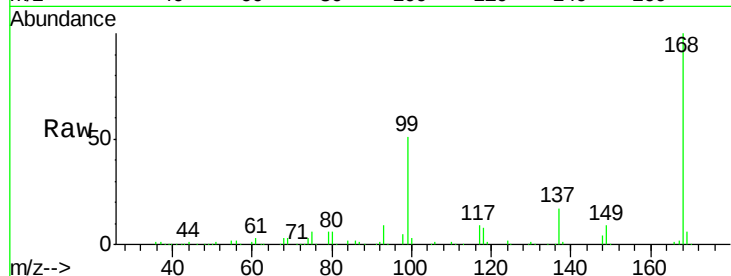
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 240953

Ion Ratio Lower Upper

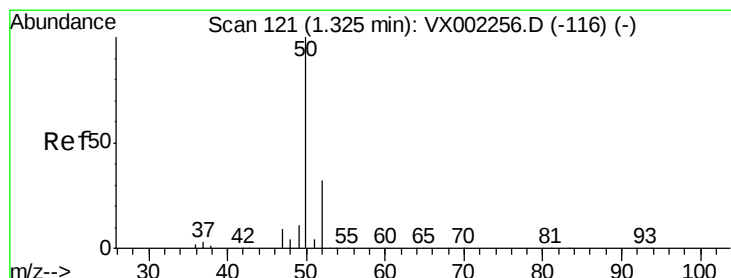
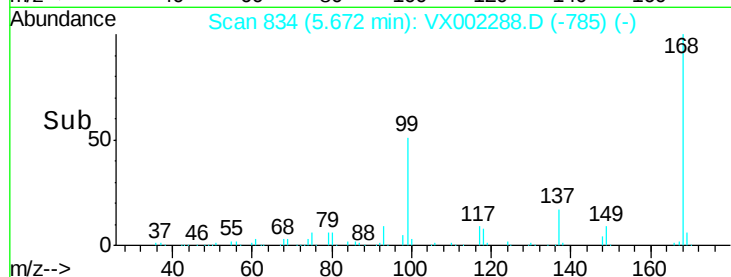
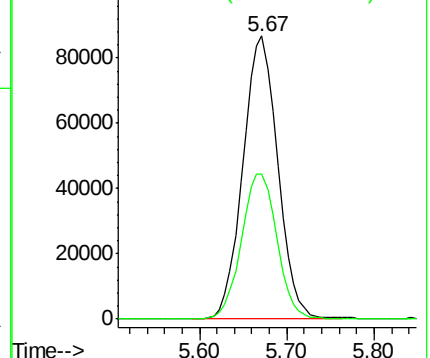
168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002288.D

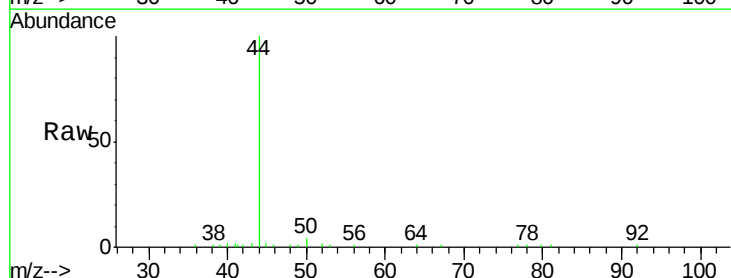
Acq: 05 Jun 2018 04:32

Tgt Ion: 50 Resp: 653

Ion Ratio Lower Upper

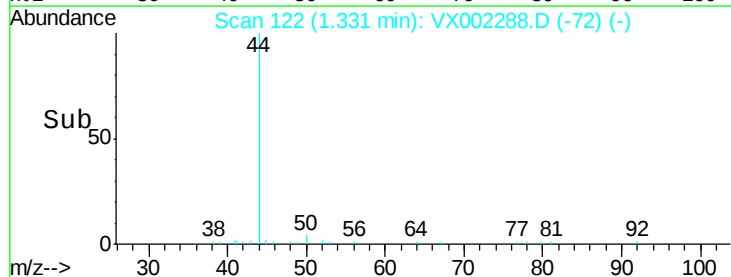
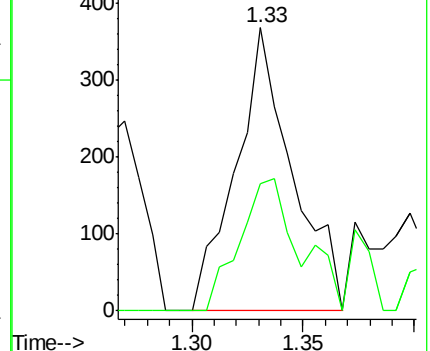
50 100

52 45.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

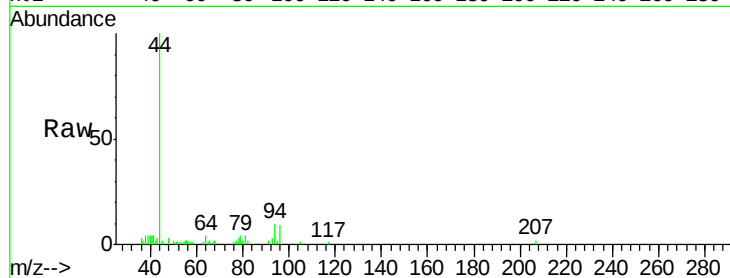
ClientSampled :

Tot Ion: 94 Resp: 1340

Ion Ratio Lower Upper

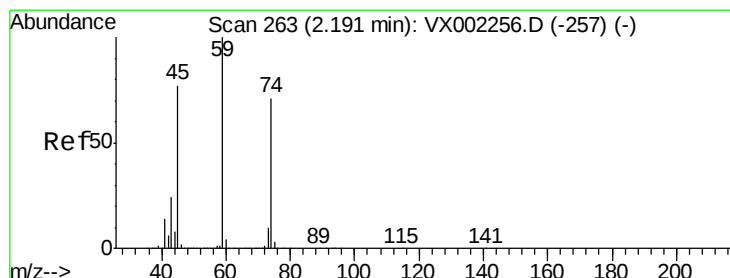
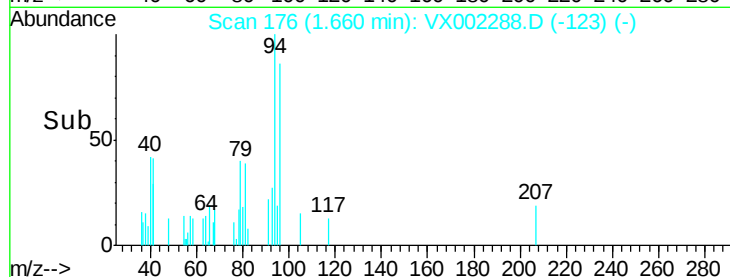
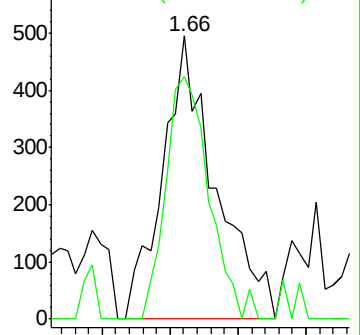
94 100

96 85.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.28 min Scan# 278

Delta R.T. 0.09 min

Lab File: VX002288.D

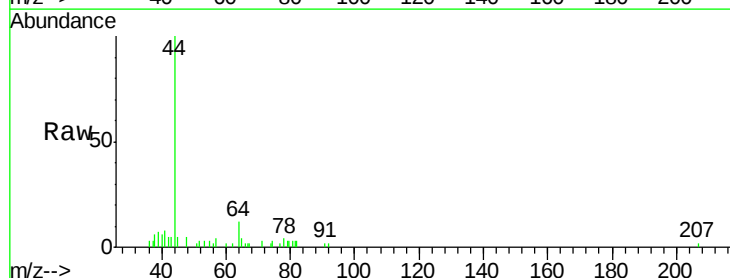
Acq: 05 Jun 2018 04:32

Tgt Ion: 74 Resp: 72

Ion Ratio Lower Upper

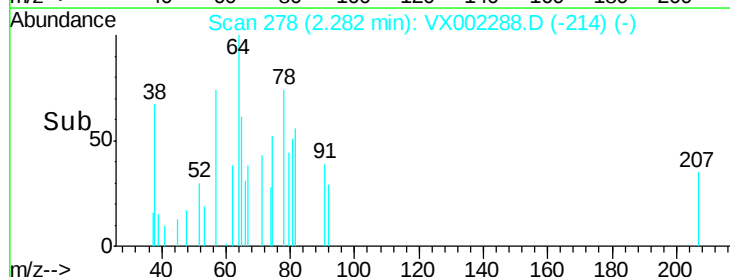
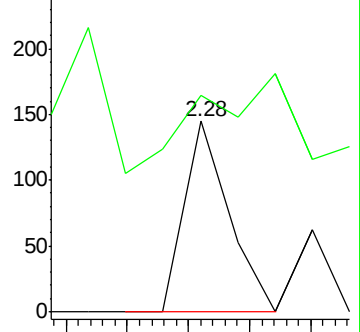
74 100

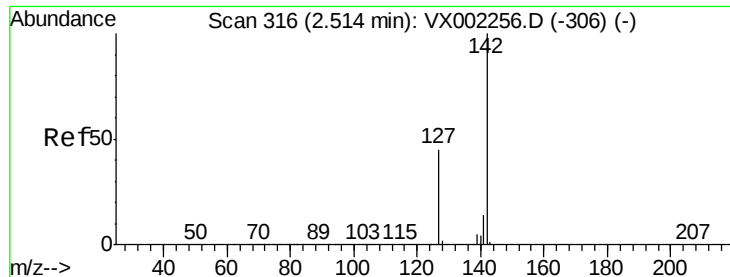
45 94.4 53.1 159.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#10

Methvl Iodide

Concen: 0.28 ua/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

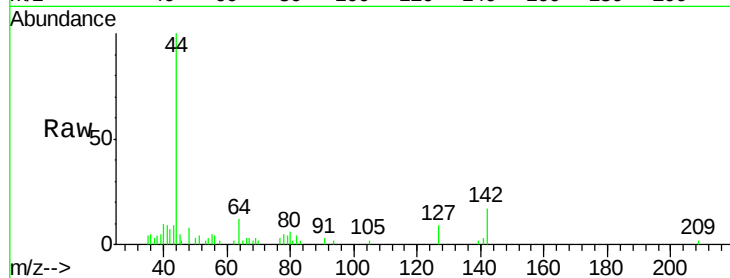
Tot Ion:142 Resp: 1019

Ion Ratio Lower Upper

142 100

127 23.8 36.6 55.0#

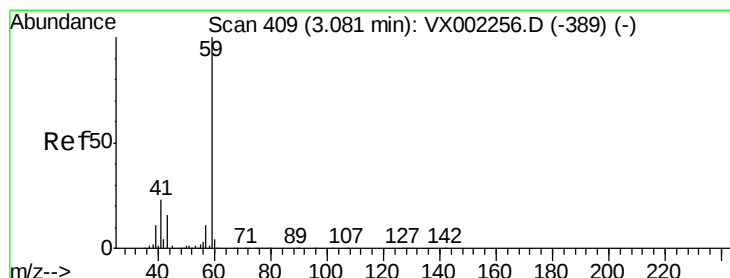
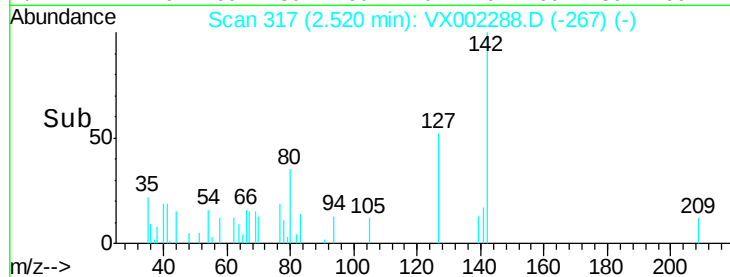
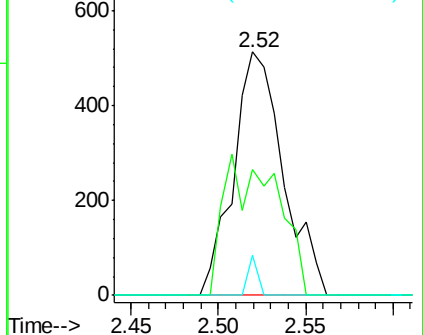
141 3.0 11.3 16.9#



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: Below Cal

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX002288.D

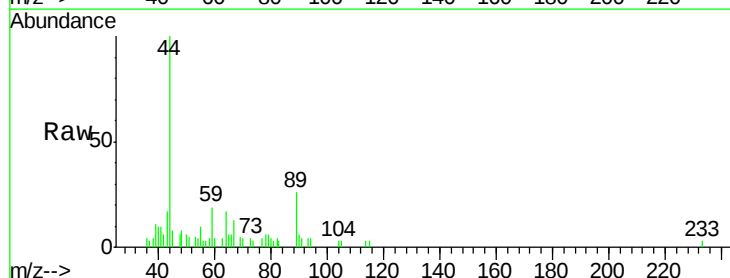
Acq: 05 Jun 2018 04:32

Tgt Ion: 59 Resp: 1207

Ion Ratio Lower Upper

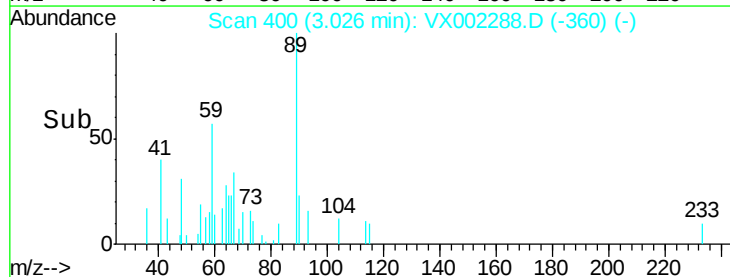
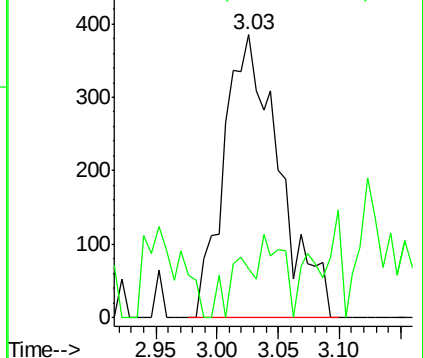
59 100

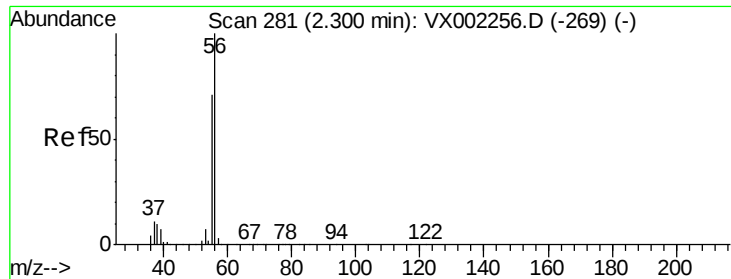
57 10.1 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

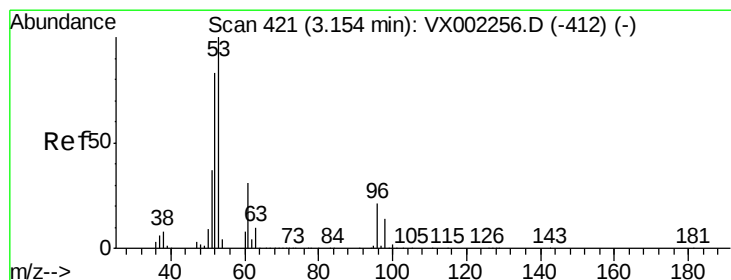
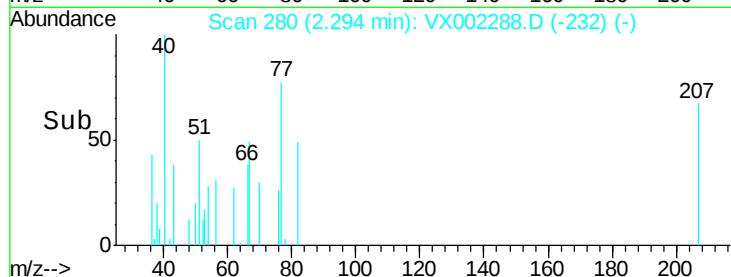
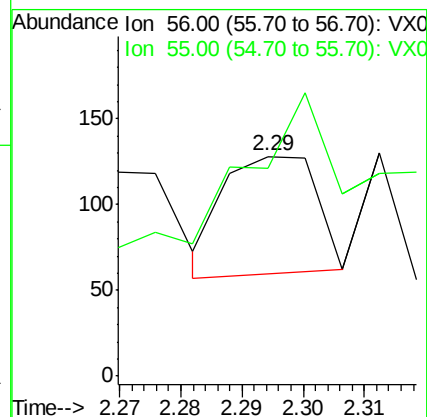
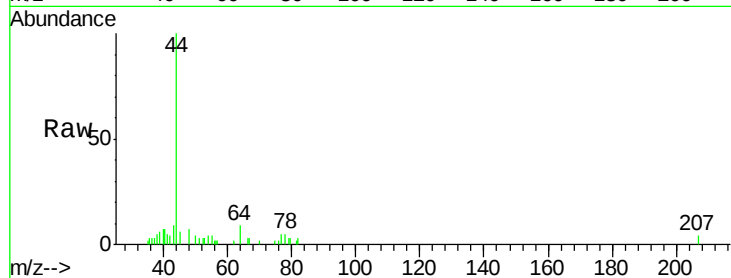
ClientSampled :

Tot Ion: 56 Resp: 72

Ion Ratio Lower Upper

56 100

55 104.2 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

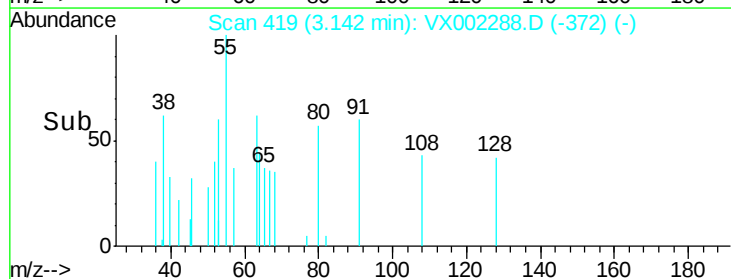
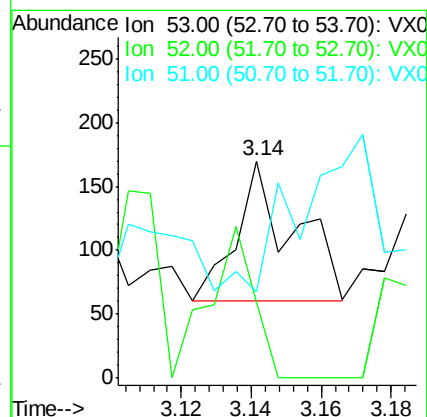
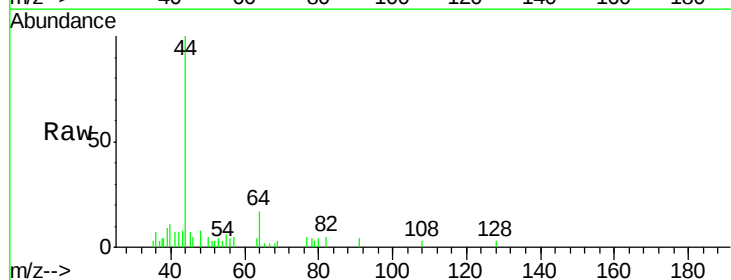
Tgt Ion: 53 Resp: 125

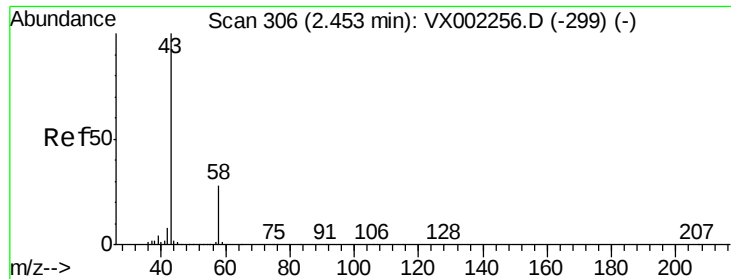
Ion Ratio Lower Upper

53 100

52 68.8 66.7 100.1

51 0.0 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

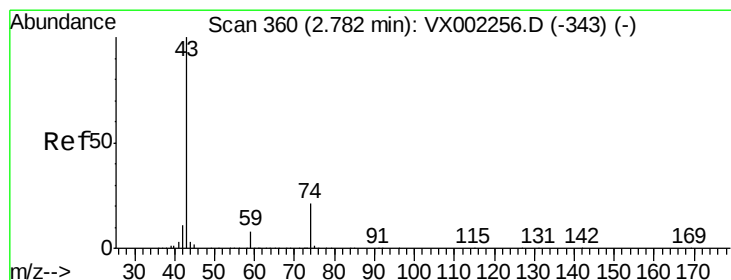
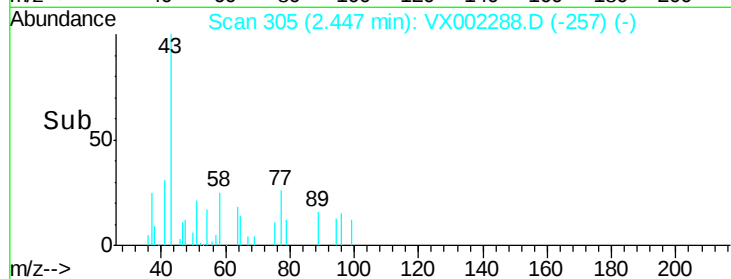
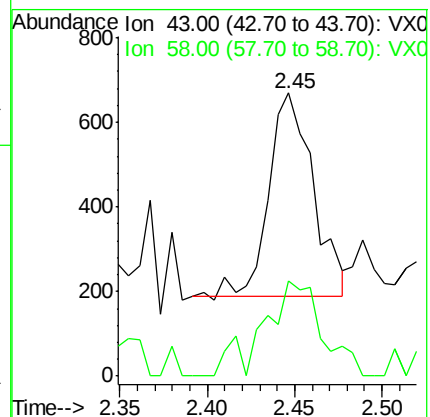
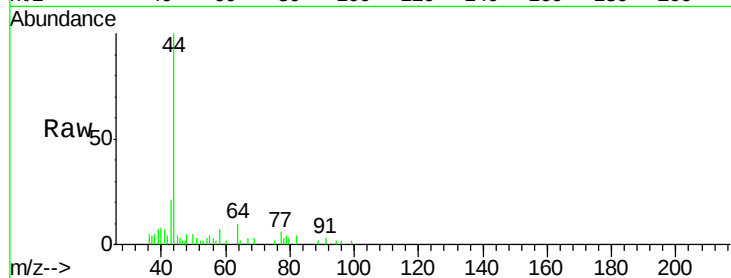
ClientSampled :

Tot Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

58 46.9 22.1 33.1#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.80 min Scan# 363

Delta R.T. 0.02 min

Lab File: VX002288.D

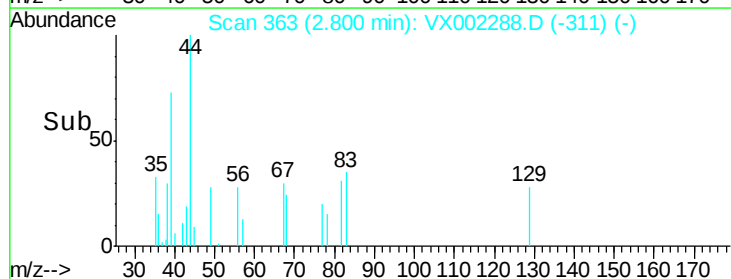
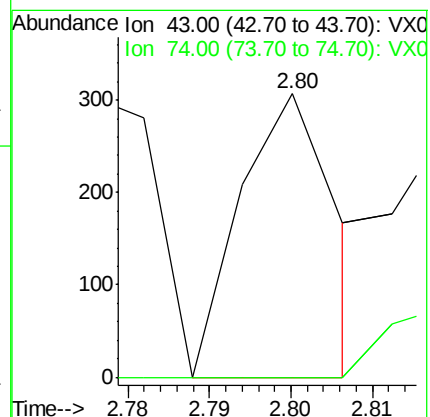
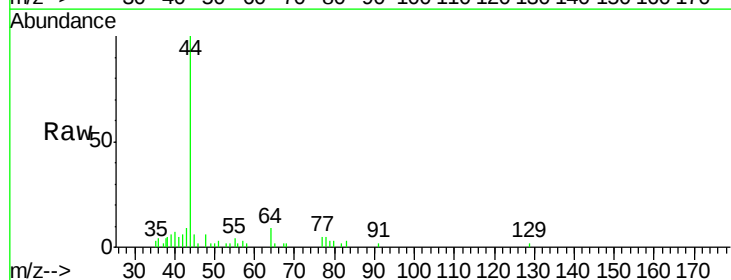
Acq: 05 Jun 2018 04:32

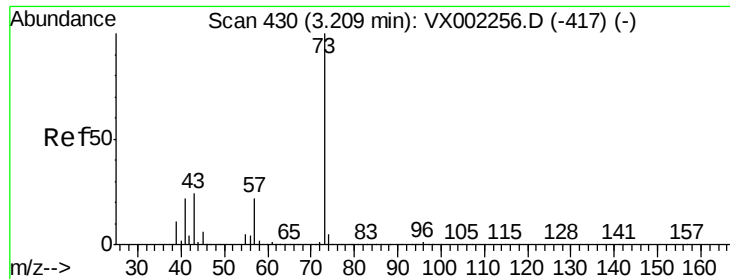
Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



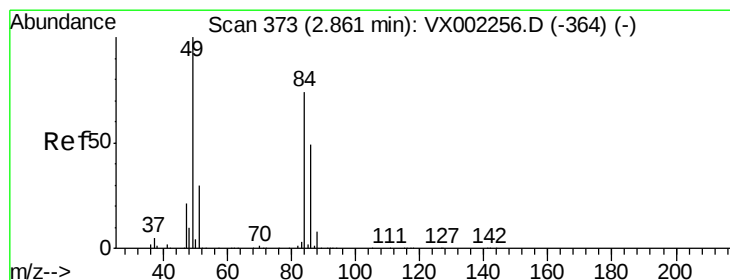
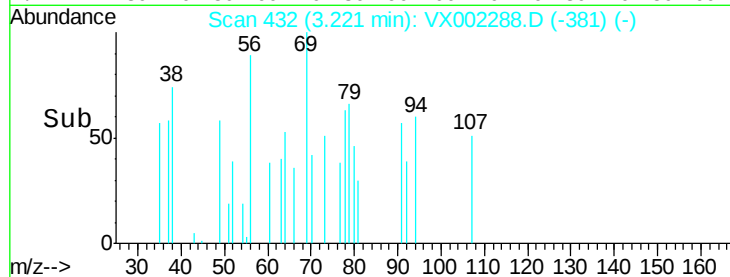
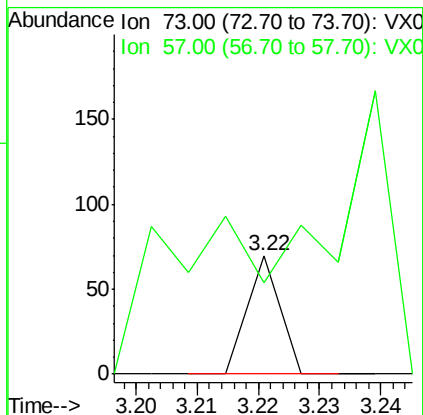
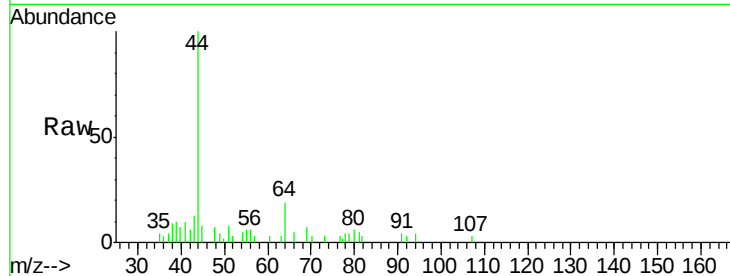


#19

Methyl tert-butyl Ether
 Concen: Below Cal
 RT: 3.22 min Scan# 432
 Delta R.T. 0.01 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

Instrument :
 MSVOA_X
 ClientSampled :

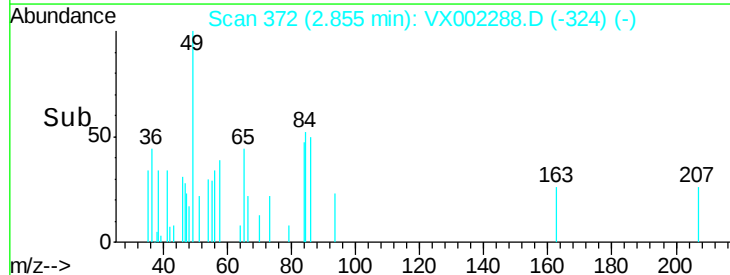
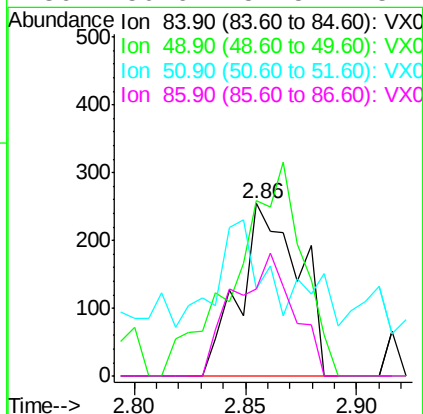
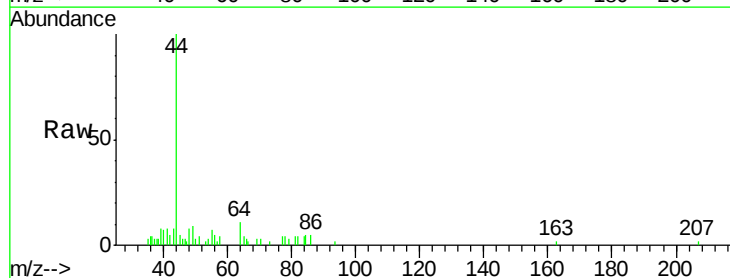
Tot Ion: 73 Resp: 26
 Ion Ratio Lower Upper
 73 100
 57 0.0 17.7 26.5#

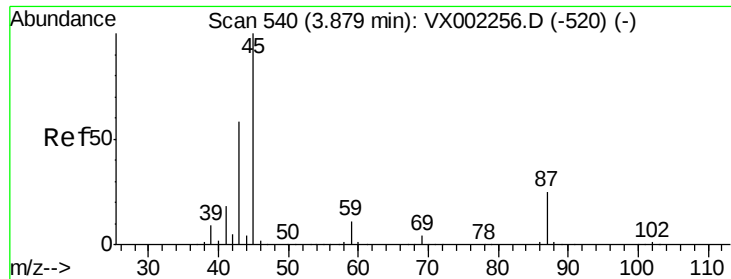


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 372
 Delta R.T. -0.01 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

Tgt Ion: 84 Resp: 470
 Ion Ratio Lower Upper
 84 100
 49 101.6 107.8 161.6#
 51 21.2 32.8 49.2#
 86 50.6 52.5 78.7#



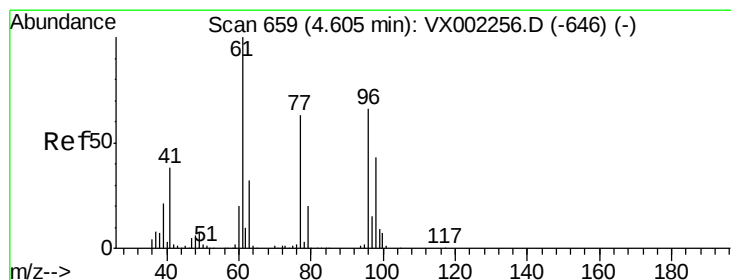
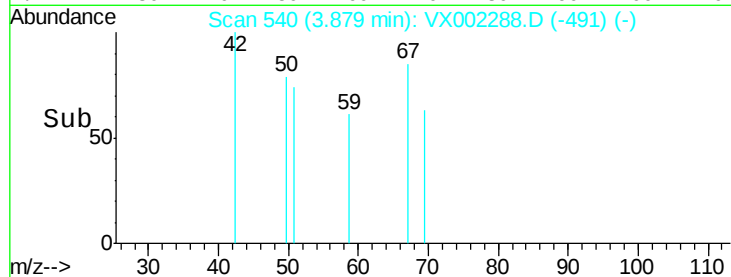
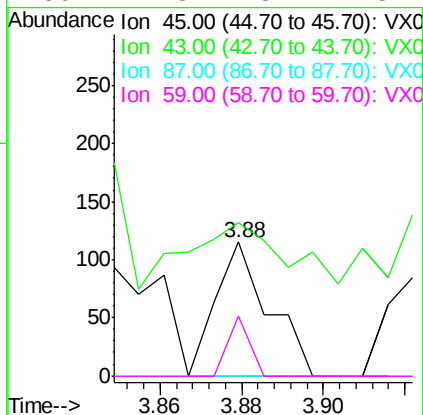
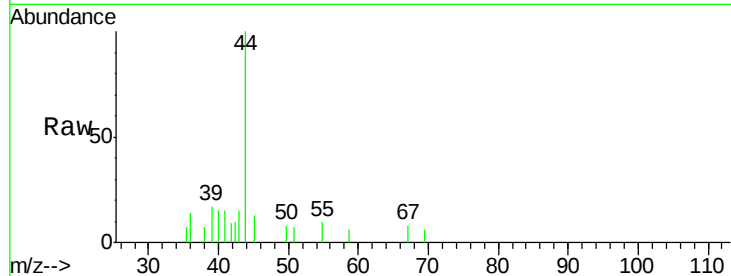


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

Instrument :
MSVOA_X
ClientSampled :

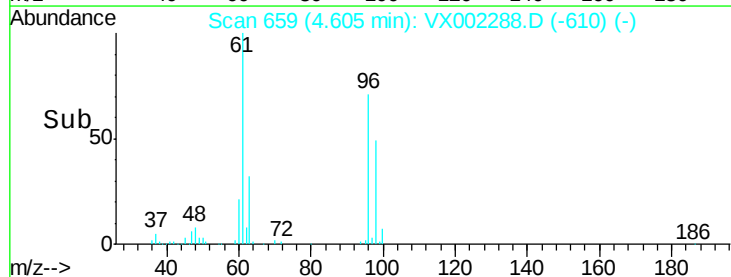
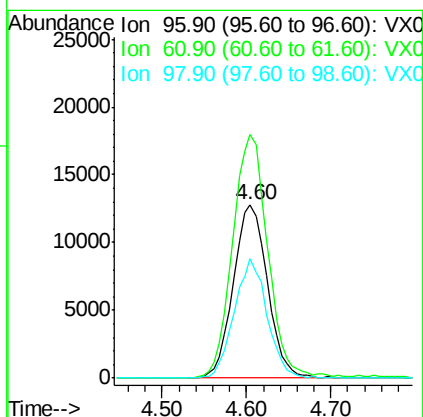
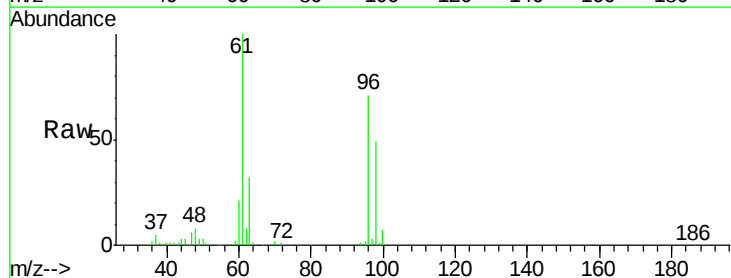
Tot Ion	Ratio	Lower	Upper
45	100		
43	46.1	46.8	70.2#
87	0.0	20.2	30.4#
59	44.3	8.7	13.1#

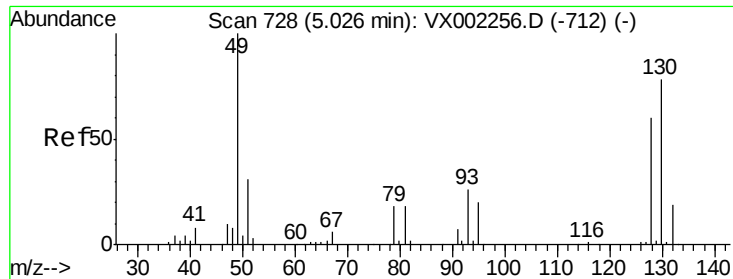


#27

cis-1,2-Dichloroethene
Concen: 11.41 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	330.2
98	65.8	0.0	130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.07 min Scan# 735

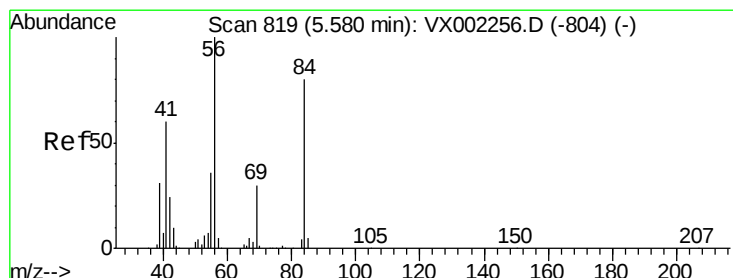
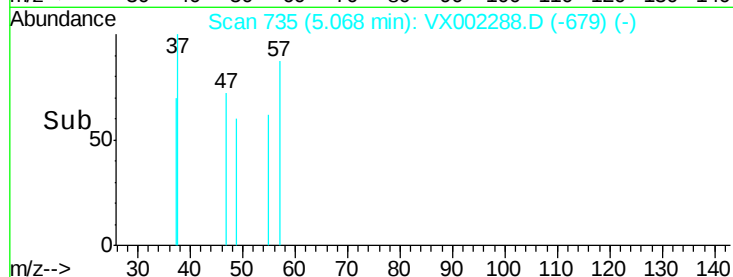
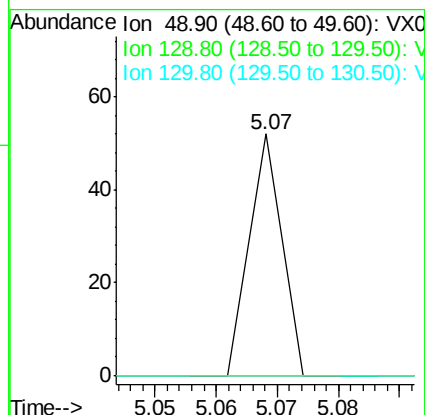
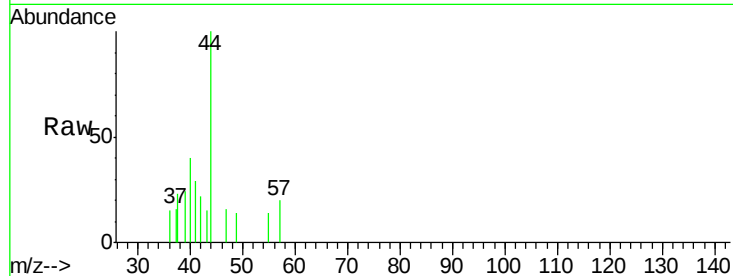
Delta R.T. 0.04 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 19
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 0.0 61.2 91.8#



#31

Cyclohexane

Concen: 1.28 ug/l

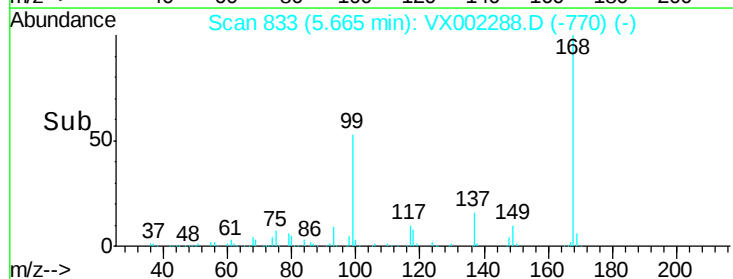
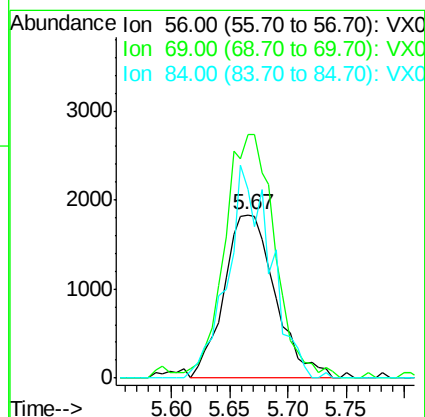
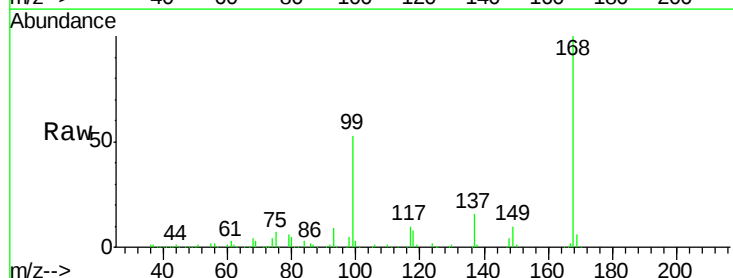
RT: 5.67 min Scan# 833

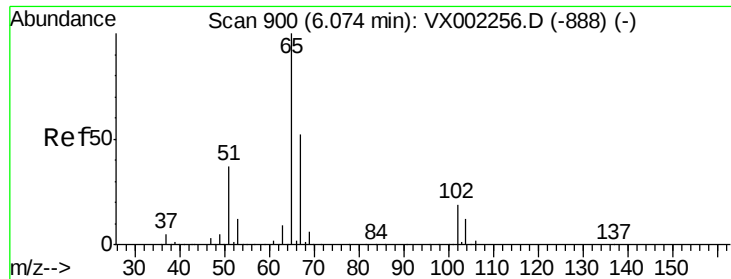
Delta R.T. 0.09 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Tgt Ion: 56 Resp: 5588
Ion Ratio Lower Upper
56 100
69 149.3 23.7 35.5#
84 115.6 64.1 96.1#

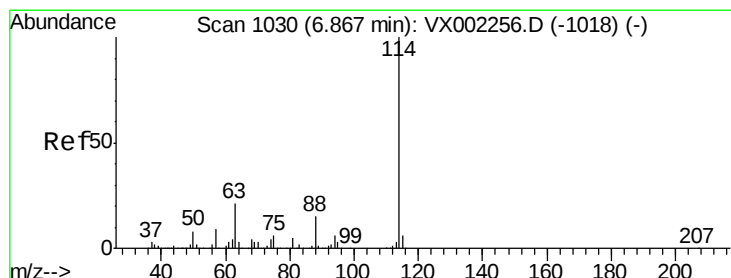
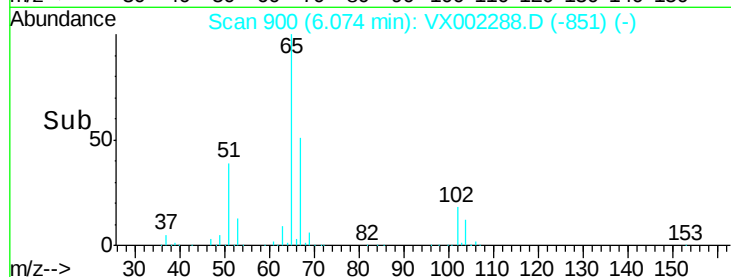
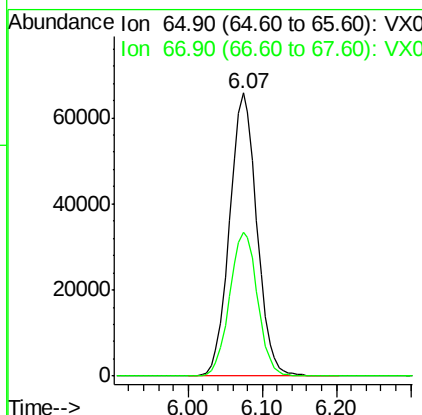
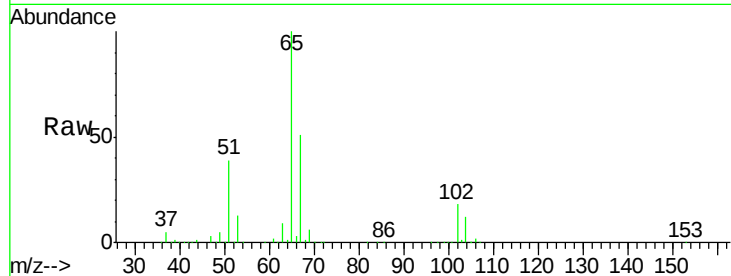




#33
 1,2-Dichloroethane-d4
 Concen: 48.91 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

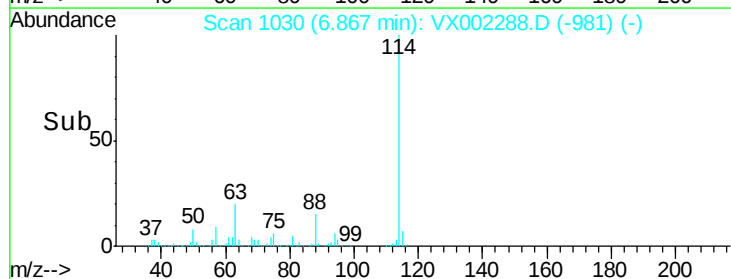
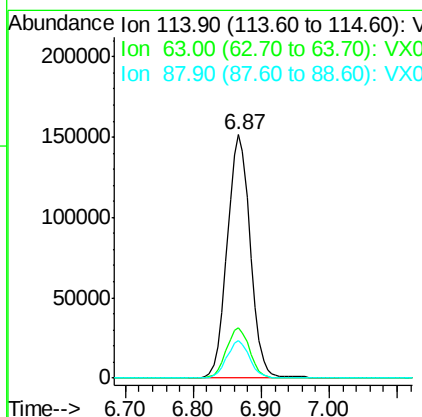
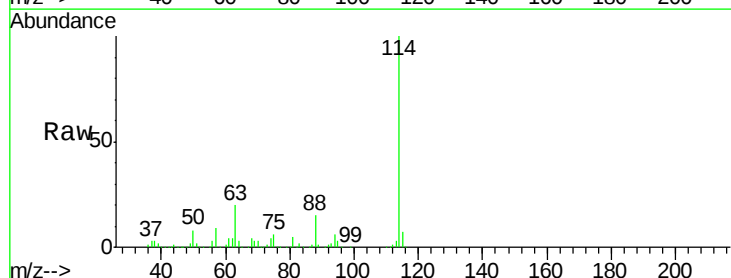
Instrument :
 MSVOA_X
 ClientSampleId :

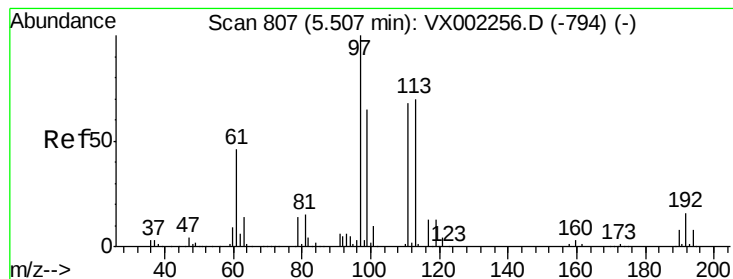
Tot Ion: 65 Resp: 168787
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

Tgt Ion: 114 Resp: 356374
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 44.62 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

ClientSampleId :

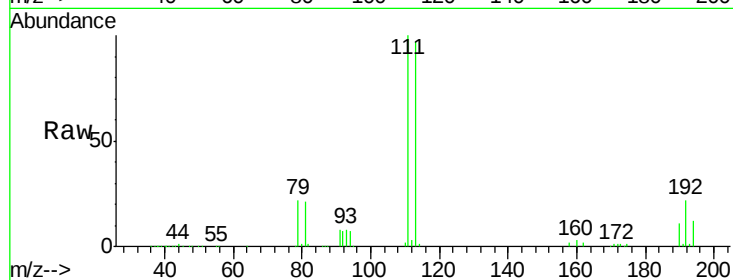
Tot Ion:113 Resp: 125052

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

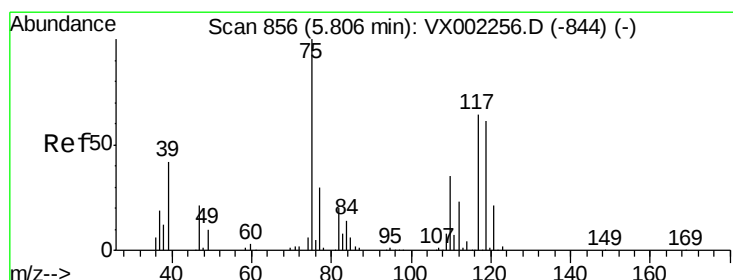
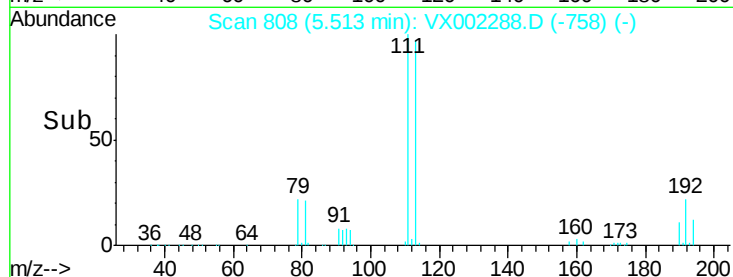
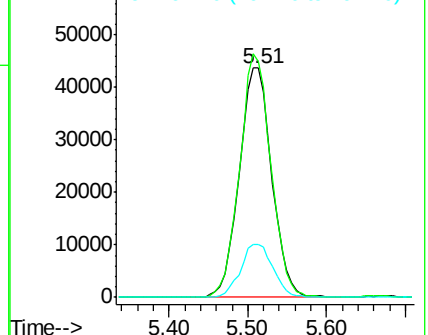
192 23.1 19.1 28.7



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: 4.54 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

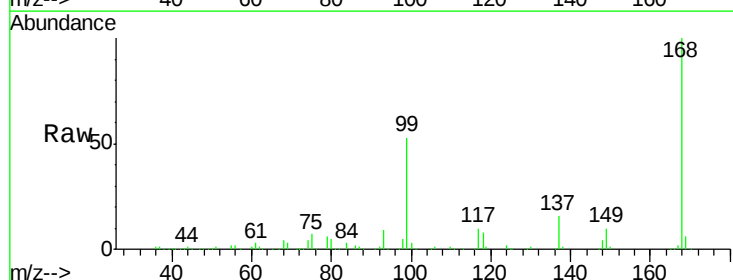
Tgt Ion: 75 Resp: 16997

Ion Ratio Lower Upper

75 100

110 10.3 18.1 54.4#

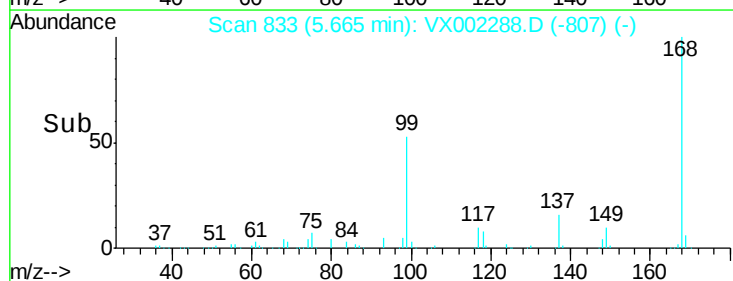
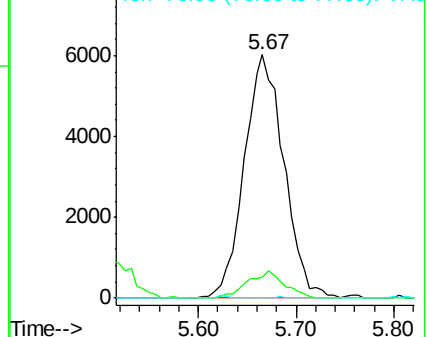
77 0.1 24.3 36.5#

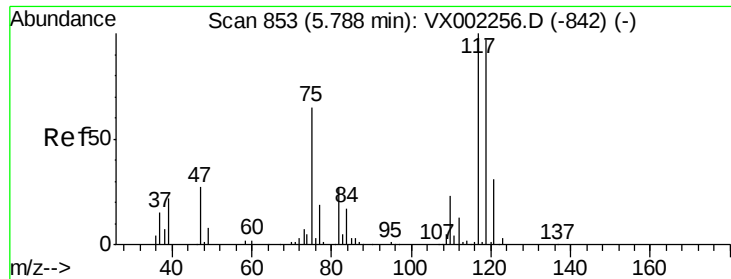


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.85 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

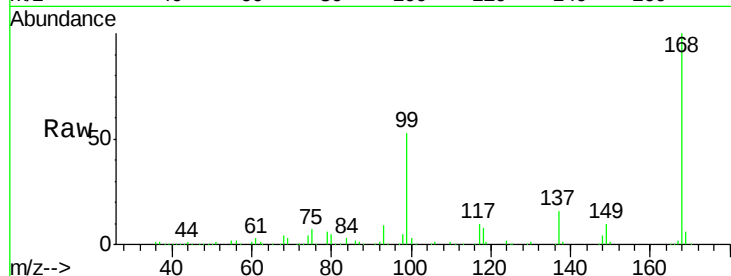
Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

ClientSampled :



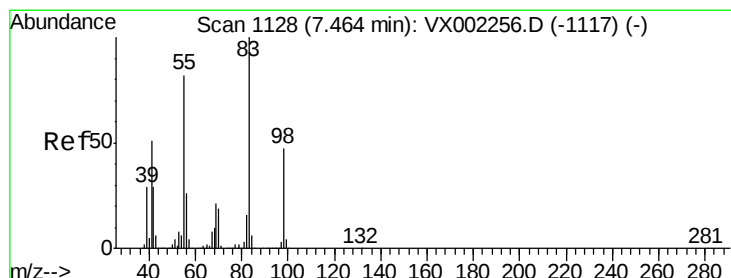
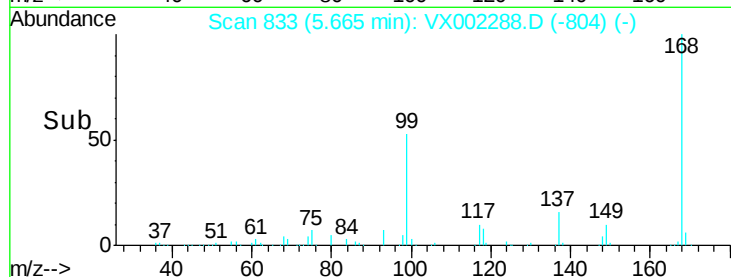
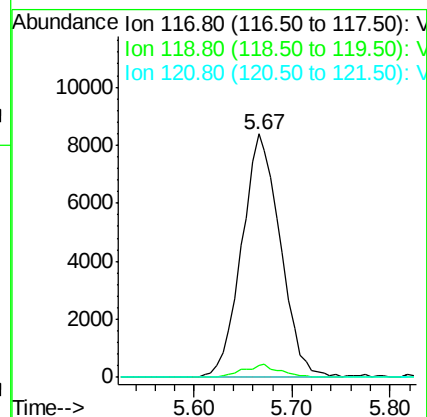
Tot Ion:117 Resp: 22912

Ion Ratio Lower Upper

117 100

119 5.0 77.4 116.0#

121 0.0 24.4 36.6#



#39

Methylcyclohexane

Concen: 0.27 ug/l

RT: 7.45 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

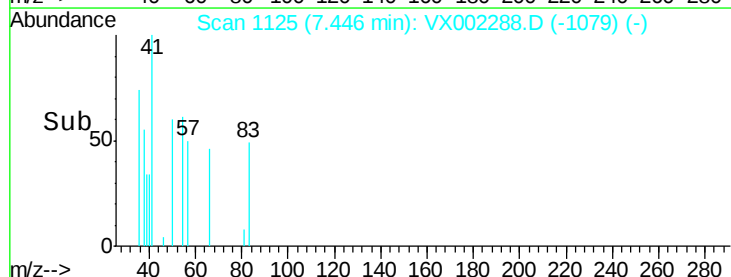
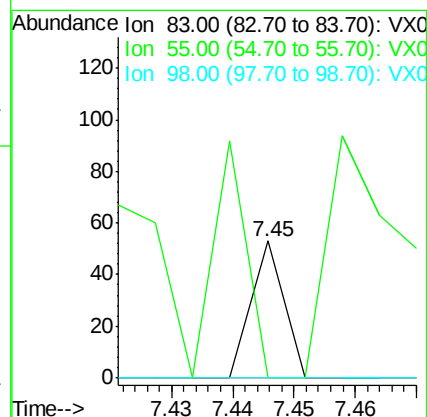
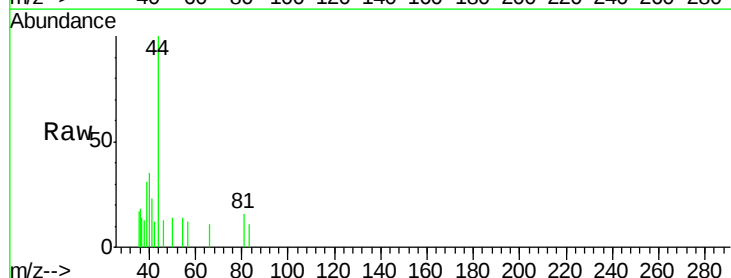
Tgt Ion: 83 Resp: 19

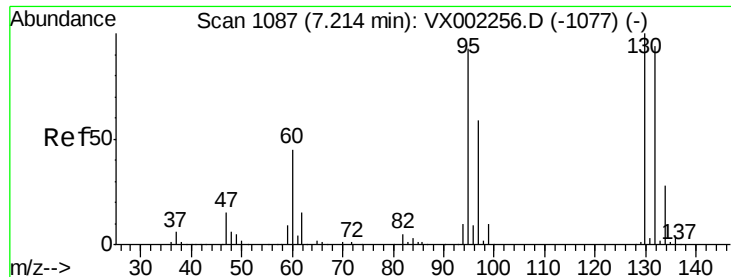
Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

98 0.0 37.4 56.0#

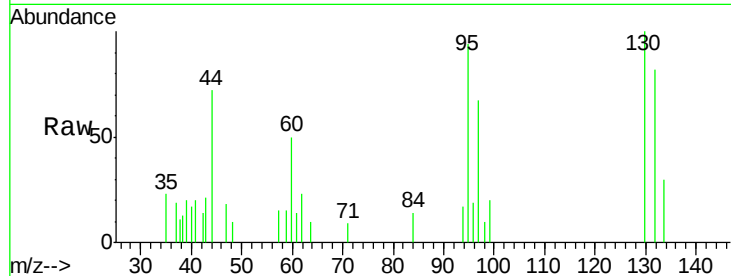




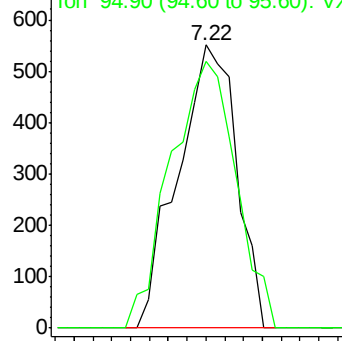
#44
 Trichloroethene
 Concen: 0.37 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

Instrument :
 MSVOA_X
 ClientSampled :

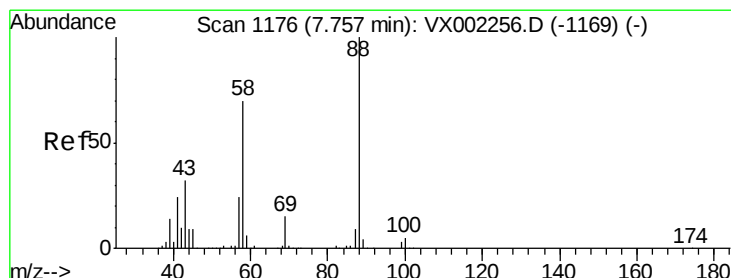
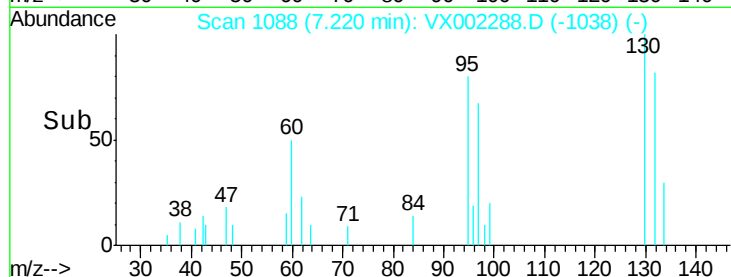
Tot Ion:130 Resp: 1188
 Ion Ratio Lower Upper
 130 100
 95 94.2 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

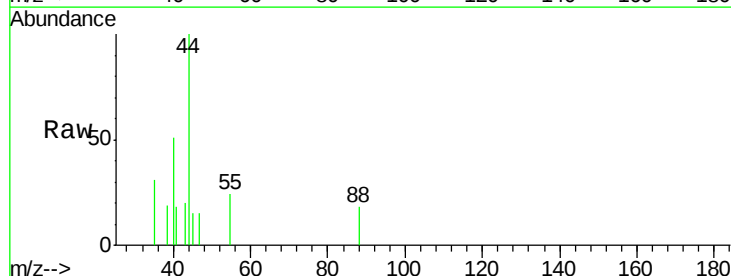


Time-->

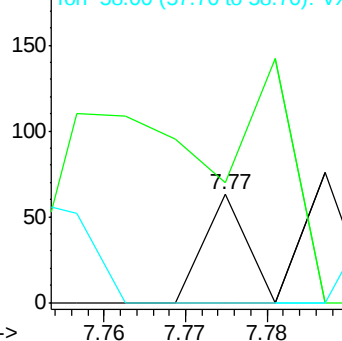


#49
 1,4-Dioxane
 Concen: 0.32 ug/l
 RT: 7.77 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: VX002288.D
 Acq: 05 Jun 2018 04:32

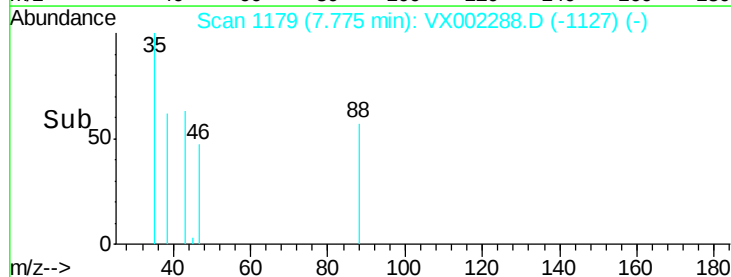
Tgt Ion: 88 Resp: 23
 Ion Ratio Lower Upper
 88 100
 43 834.8 29.8 44.6#
 58 0.0 57.1 85.7#

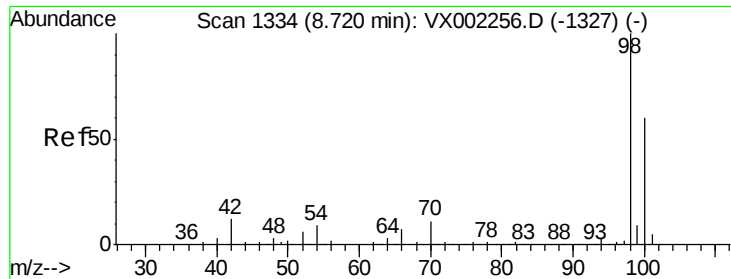


Abundance Ion 88.00 (87.70 to 88.70): VX0
 Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



Time-->

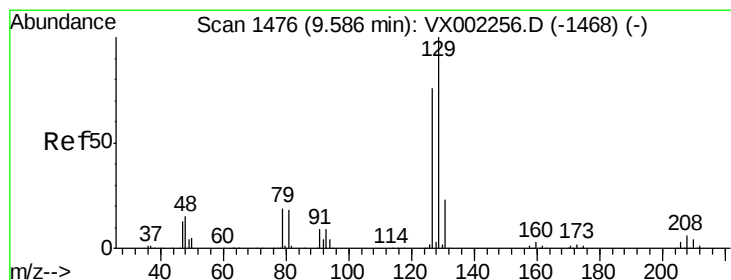
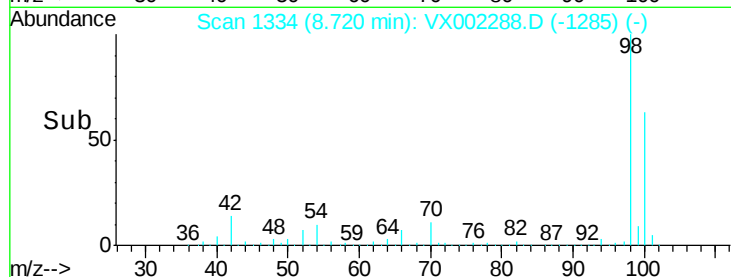
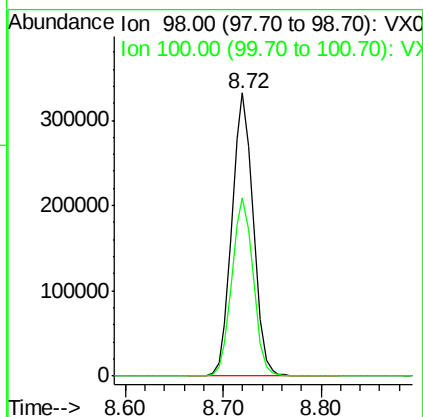
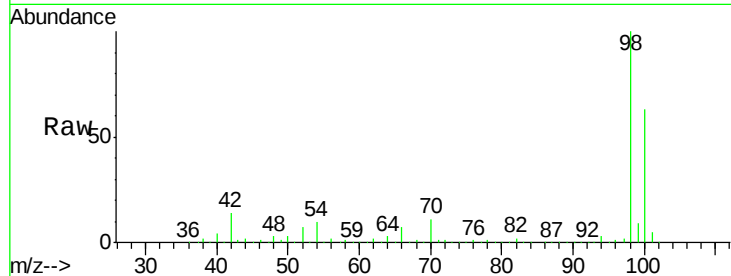




#50
Toluene-d8
Concen: 46.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

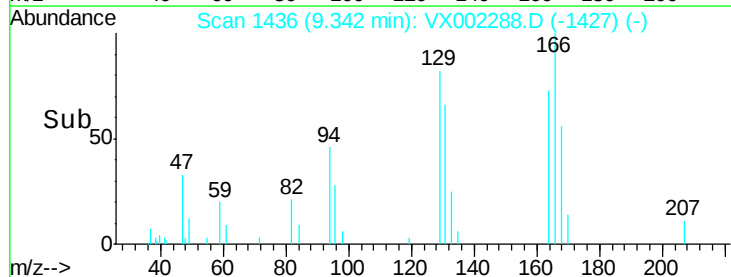
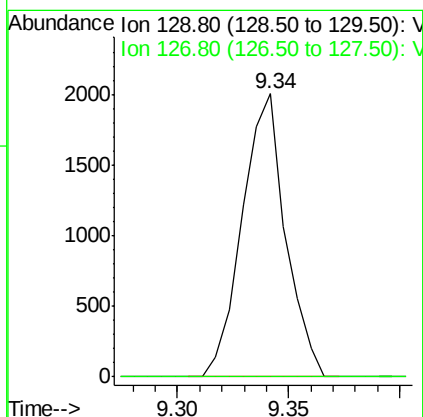
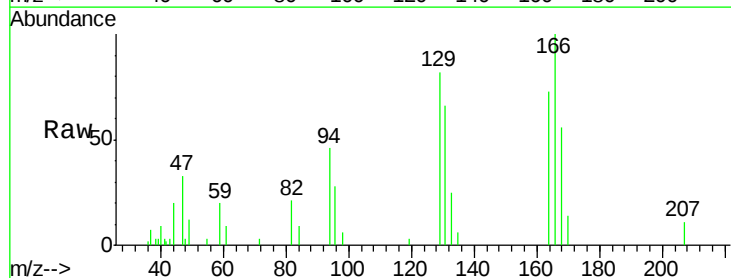
Instrument :
MSVOA_X
ClientSampled :

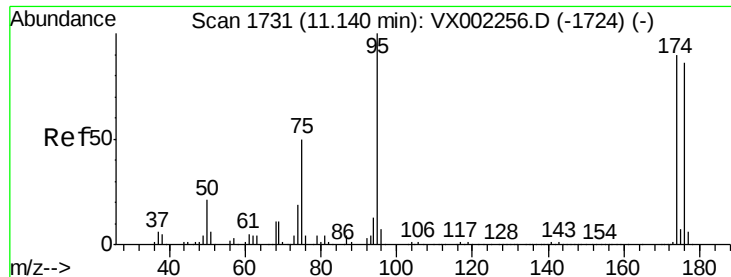
Tot Ion: 98 Resp: 503261
Ion Ratio Lower Upper
98 100
100 63.3 50.9 76.3



#60
Dibromochloromethane
Concen: 0.90 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

Tgt Ion:129 Resp: 2717
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

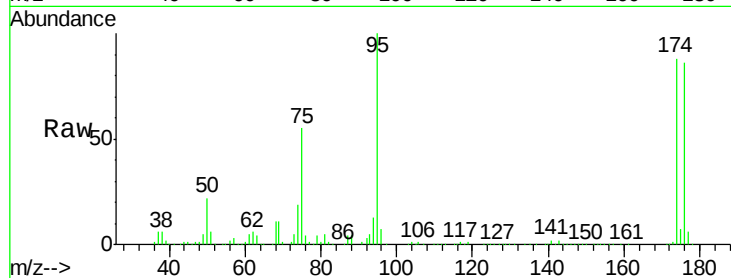




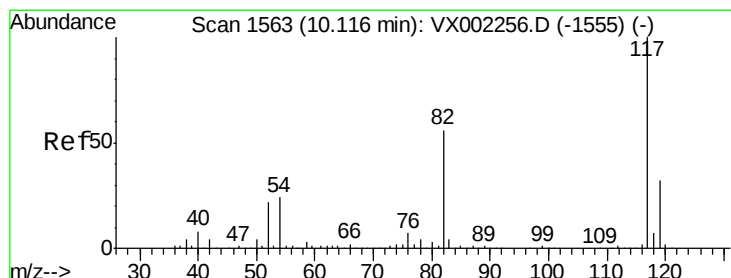
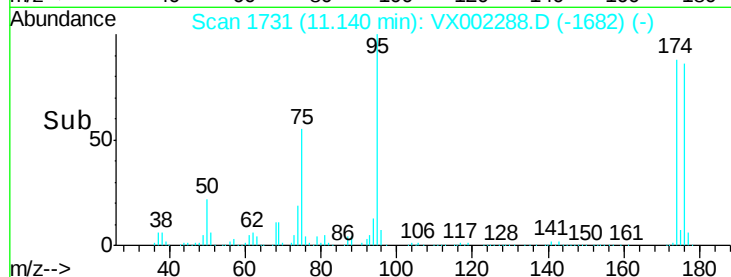
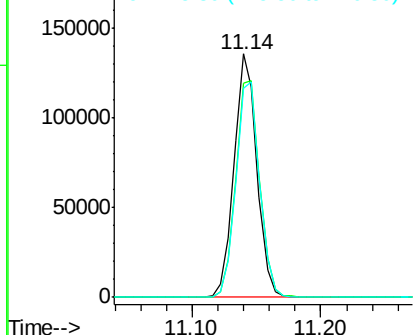
#62
4-Bromofluorobenzene
Concen: 40.39 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 167303
Ion Ratio Lower Upper
95 100
174 93.3 0.0 187.4
176 91.7 0.0 181.0

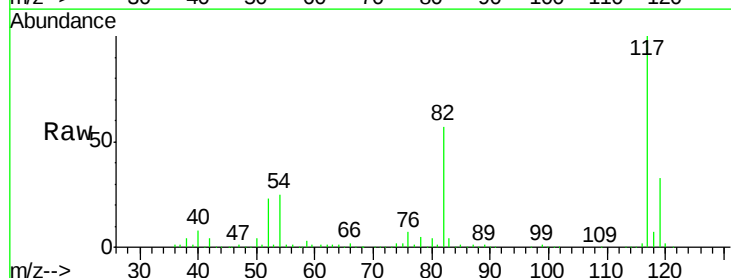


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

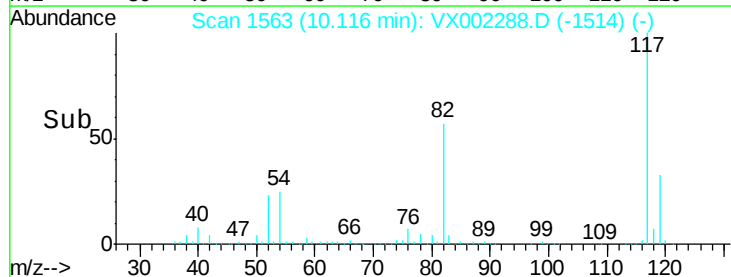
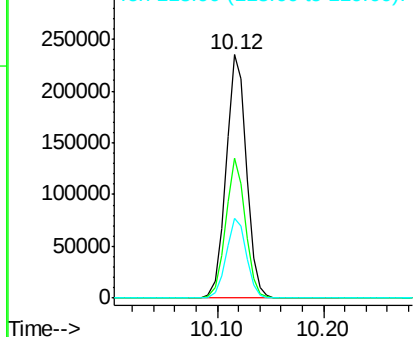


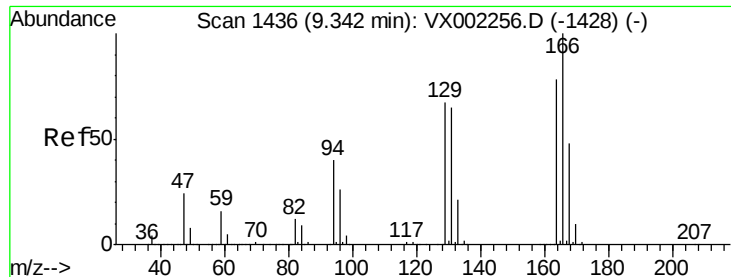
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002288.D
Acq: 05 Jun 2018 04:32

Tgt Ion: 117 Resp: 314325
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 32.8 25.8 38.6



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: 0.91 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 2944

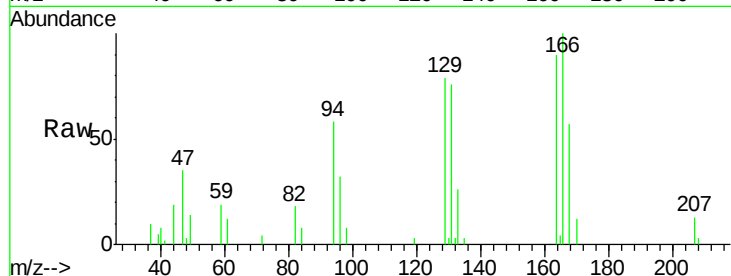
Ion Ratio Lower Upper

164 100

166 111.4 102.9 154.3

129 88.1 68.6 102.8

131 84.1 66.8 100.2

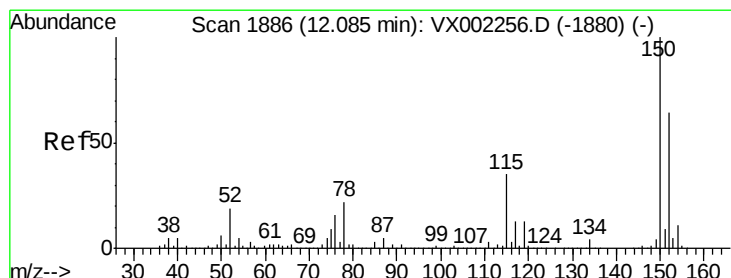
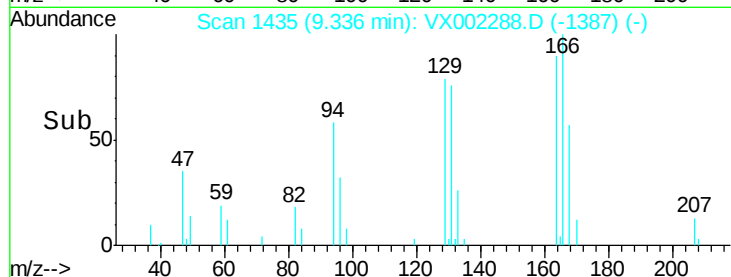
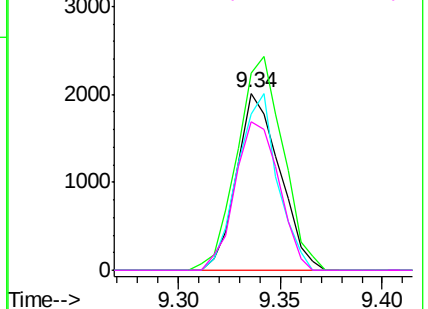


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

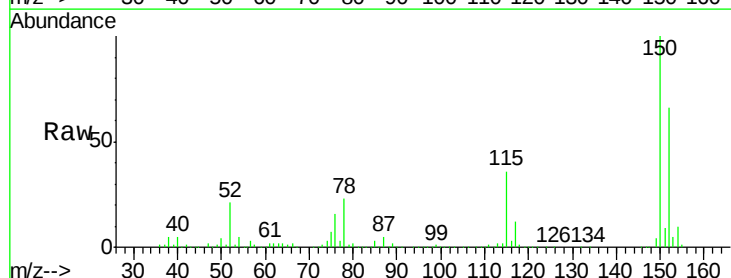
Tgt Ion:152 Resp: 164710

Ion Ratio Lower Upper

152 100

115 55.1 40.1 120.2

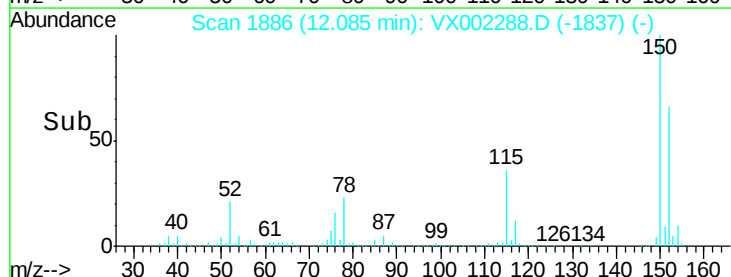
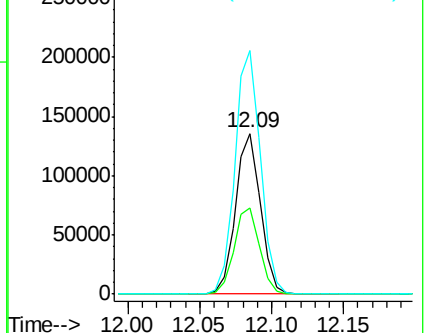
150 154.8 0.0 347.2

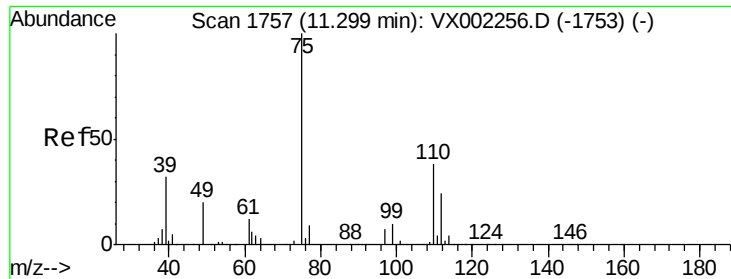


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

Instrument :

MSVOA_X

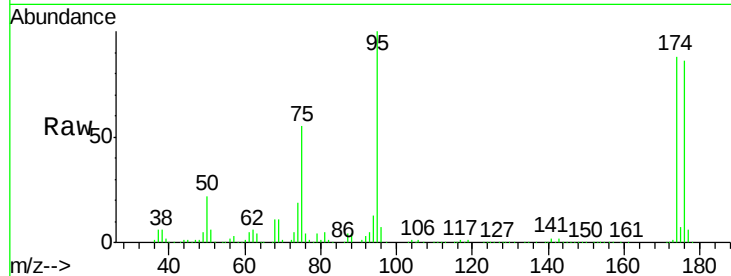
ClientSampleId :

Tot Ion: 75 Resp: 90890

Ion Ratio Lower Upper

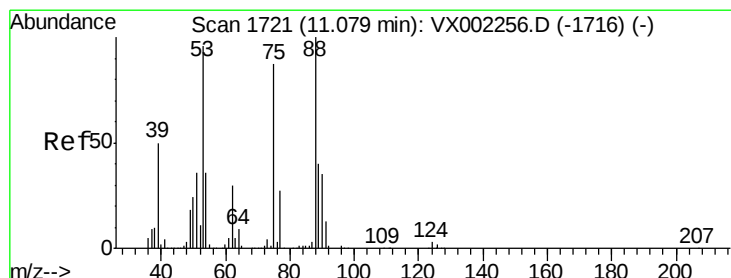
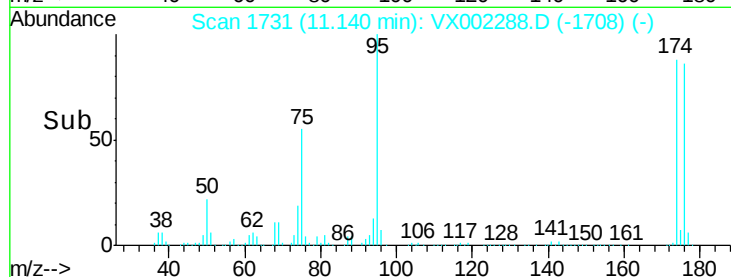
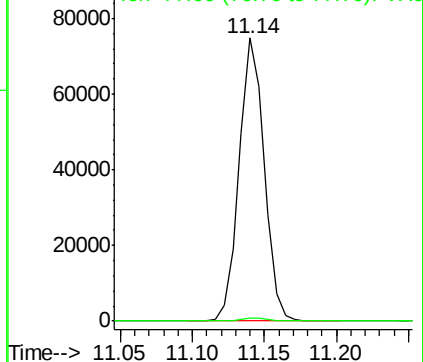
75 100

77 1.3 22.8 68.3#



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: 88.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002288.D

Acq: 05 Jun 2018 04:32

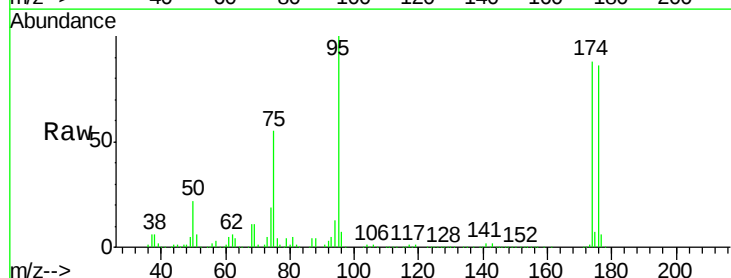
Tgt Ion: 75 Resp: 90890

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

