

Data Path : Y:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060418\
 Data File : VX002286.D
 Acq On : 05 Jun 2018 03:39
 Operator : JC/MD
 Sample : J3269-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 07:23:14 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	260028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	377675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351862	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	200550	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	181952	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
35) Dibromofluoromethane	5.51	113	132944	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	
50) Toluene-d8	8.72	98	545881	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.14	95	194962	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

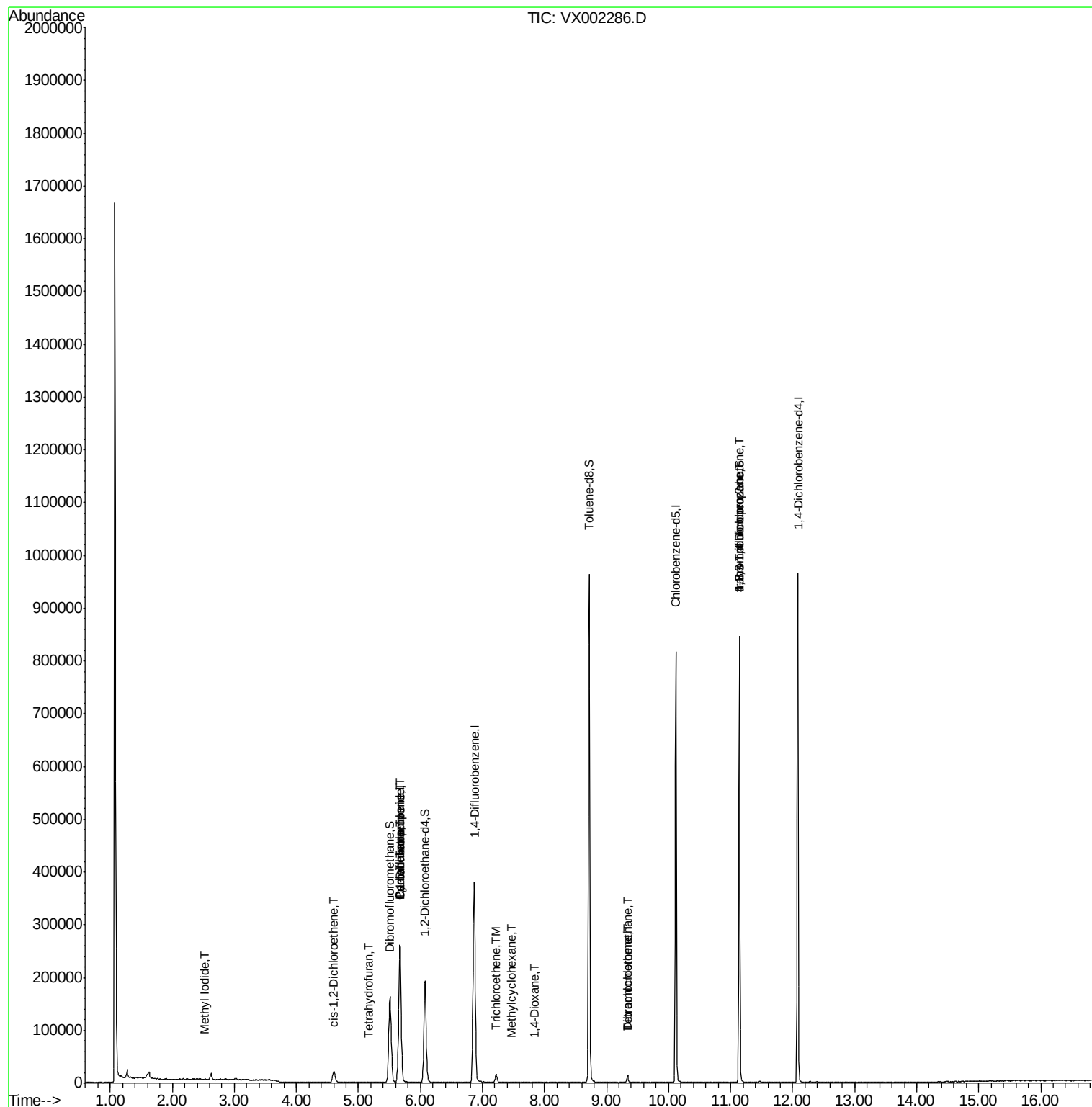
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	882	Below Cal		97
5) Bromomethane	1.65	94	952	Below Cal	#	75
8) Diethyl Ether	2.26	74	44	Below Cal		49
10) Methyl Iodide	2.52	142	1172	0.30	ug/l	98
11) Tert butyl alcohol	3.03	59	1292	Below Cal	#	78
13) Acrolein	2.29	56	225	Below Cal	#	57
15) Acrylonitrile	3.15	53	76	Below Cal	#	1
16) Acetone	2.45	43	1299	Below Cal		92
18) Methyl Acetate	2.77	43	261	Below Cal	#	78
19) Methyl tert-butyl Ether	3.22	73	819	Below Cal	#	61
20) Methylene Chloride	2.85	84	679	Below Cal	#	72
22) Diisopropyl ether	3.88	45	155	Below Cal	#	35
27) cis-1,2-Dichloroethene	4.60	96	11291	3.40	ug/l	79
28) Bromochloromethane	5.00	49	25	Below Cal	#	13
29) Tetrahydrofuran	5.17	42	373	0.23	ug/l	87
31) Cyclohexane	5.67	56	5673	1.21	ug/l	31
36) 1,1-Dichloropropene	5.67	75	17997	4.53	ug/l	51
38) Carbon Tetrachloride	5.67	117	24798	5.97	ug/l	15
39) Methylcyclohexane	7.46	83	44	0.27	ug/l	16
44) Trichloroethene	7.22	130	5739	1.70	ug/l	95
49) 1,4-Dioxane	7.83	88	26	0.34	ug/l	22
60) Dibromochloromethane	9.34	129	2397	0.75	ug/l	11
64) Tetrachloroethene	9.34	164	2513	0.69	ug/l	92
76) 1,2,3-Trichloropropane	11.14	75	104088	23.65	ug/l	32
81) trans-1,4-Dichloro-2-buten	11.14	75	104088	82.91	ug/l	7

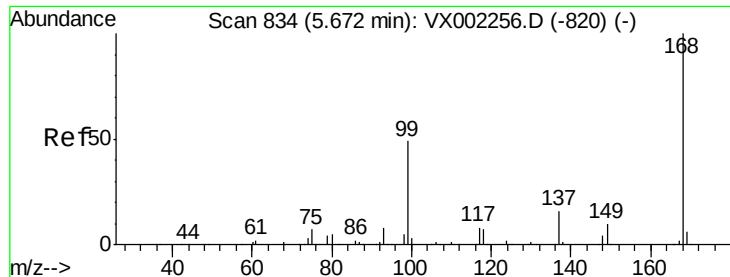
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060418\
Data File : VX002286.D
Acq On : 05 Jun 2018 03:39
Operator : JC/MD
Sample : J3269-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 05 07:23:14 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# 833

Delta R.T. -0.01 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

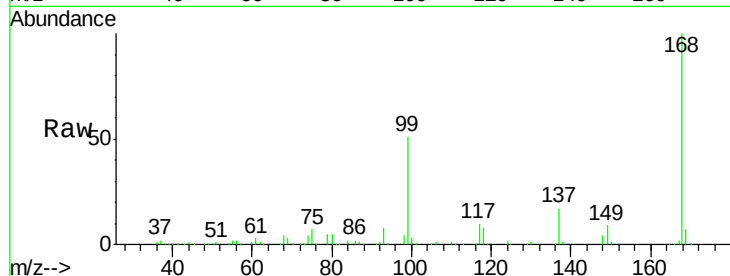
ClientSampleId :

Tot Ion:168 Resp: 260028

Ion Ratio Lower Upper

168 100

99 51.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

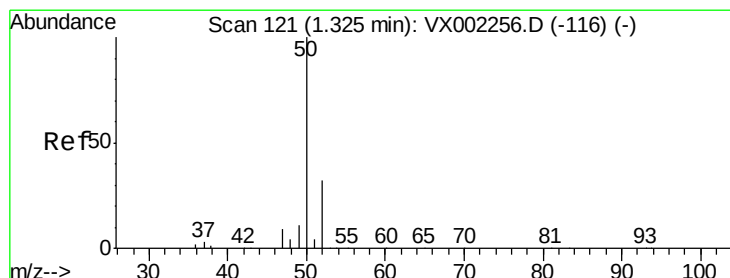
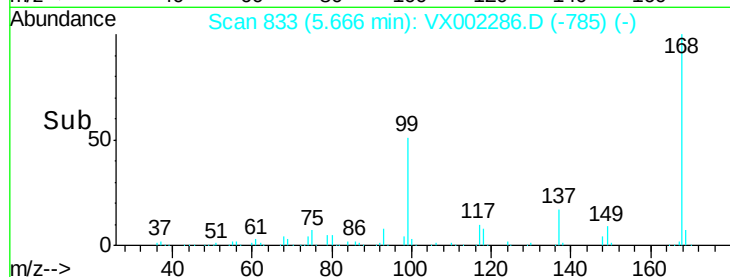
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002286.D

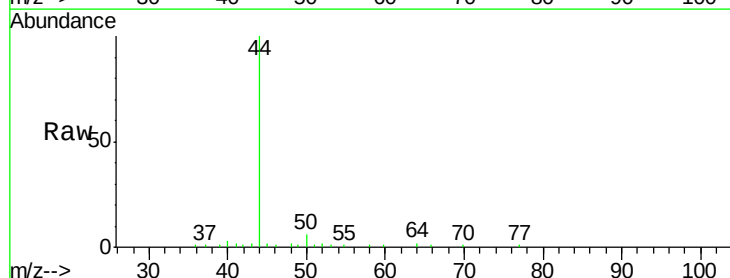
Acq: 05 Jun 2018 03:39

Tgt Ion: 50 Resp: 882

Ion Ratio Lower Upper

50 100

52 30.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

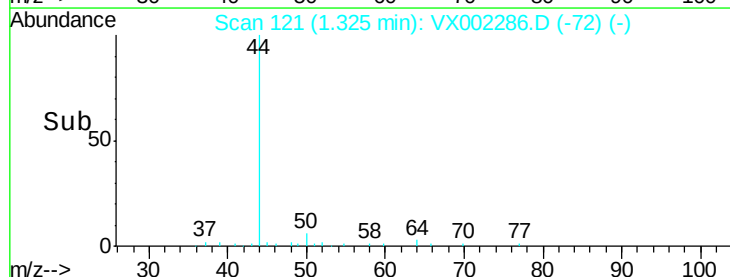
300

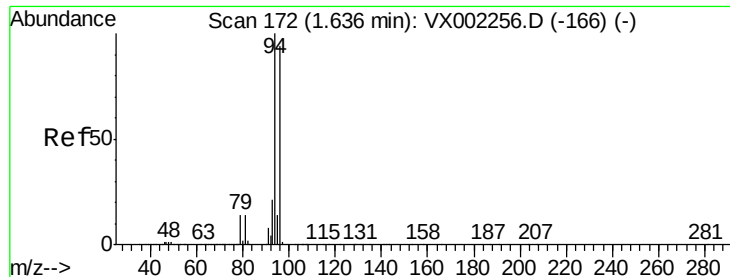
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

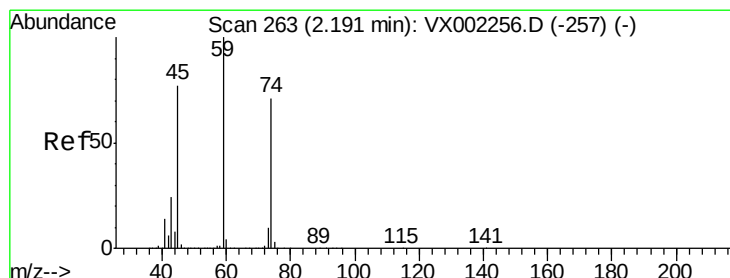
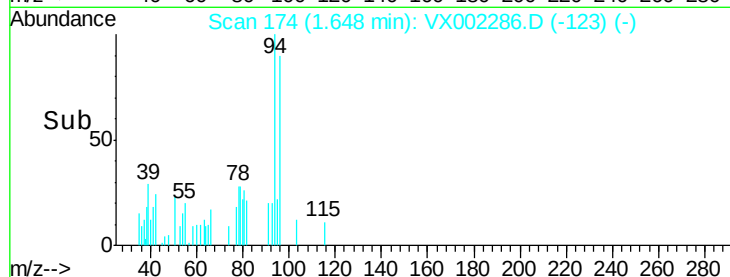
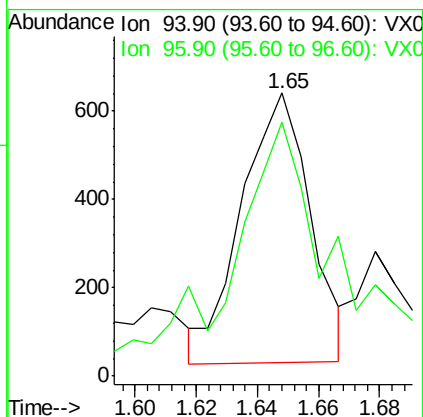
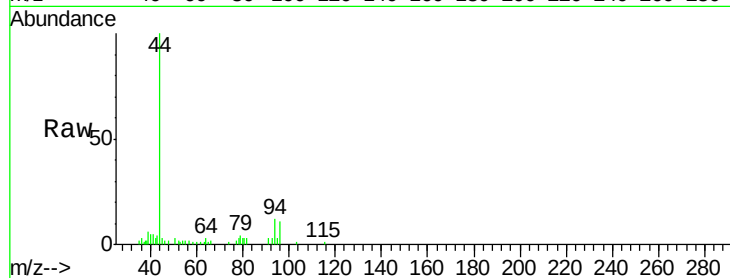
ClientSampleId :

Tot Ion: 94 Resp: 952

Ion Ratio Lower Upper

94 100

96 69.2 74.9 112.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.26 min Scan# 274

Delta R.T. 0.07 min

Lab File: VX002286.D

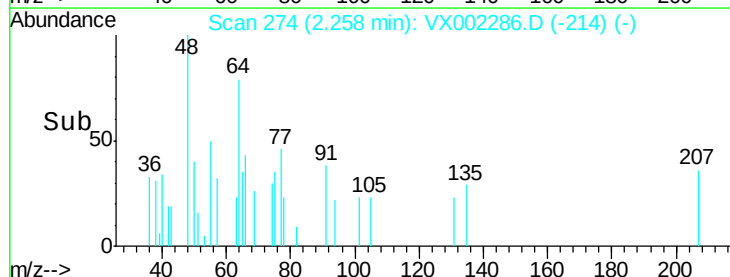
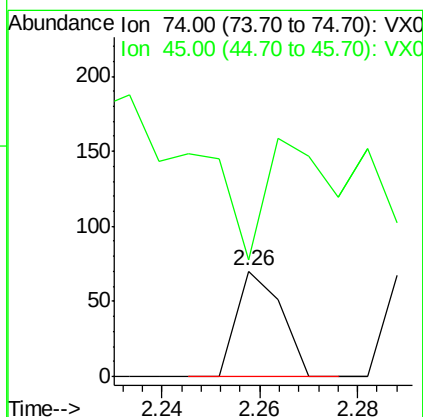
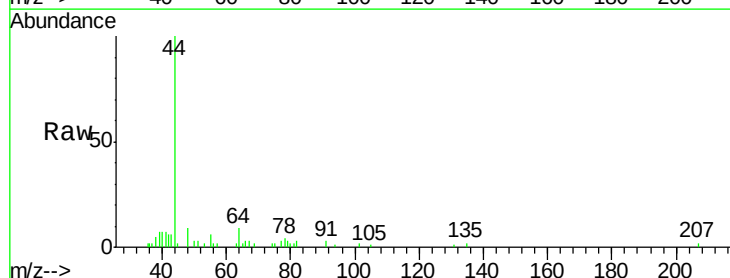
Acq: 05 Jun 2018 03:39

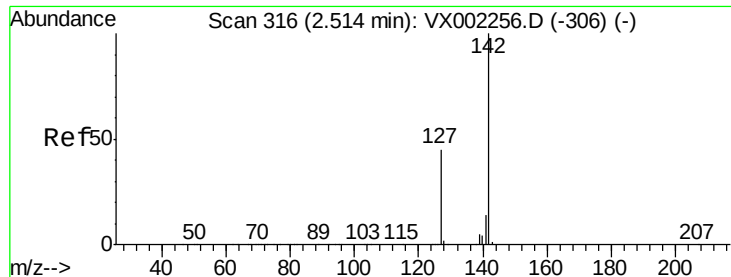
Tgt Ion: 74 Resp: 44

Ion Ratio Lower Upper

74 100

45 159.1 53.1 159.4

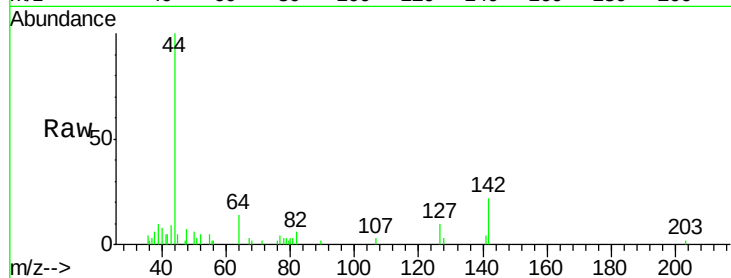




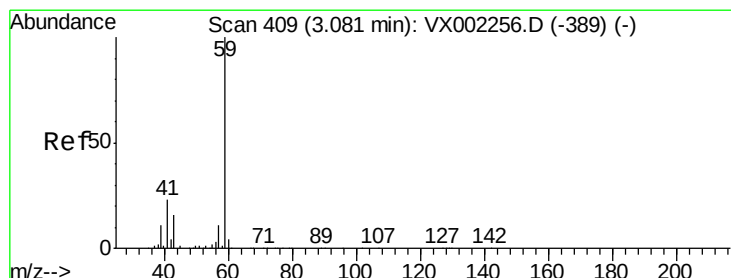
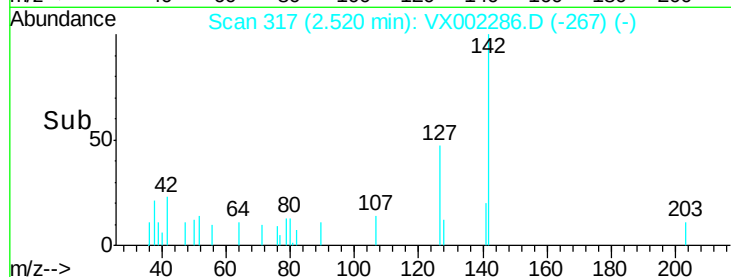
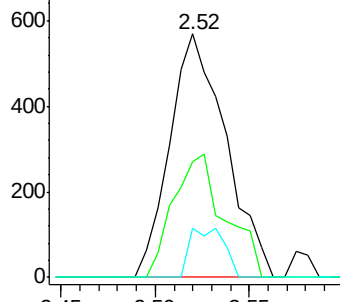
#10
Methvl Iodide
Concen: 0.30 ua/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 1172
Ion Ratio Lower Upper
142 100
127 46.8 36.6 55.0
141 12.4 11.3 16.9

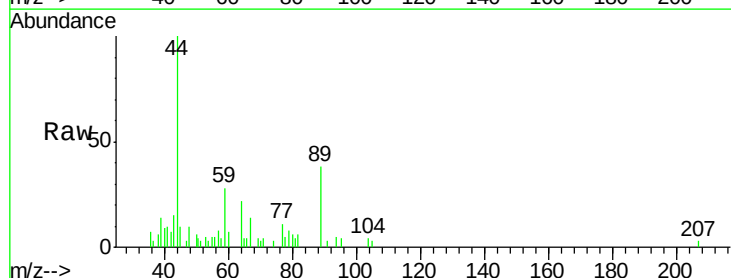


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

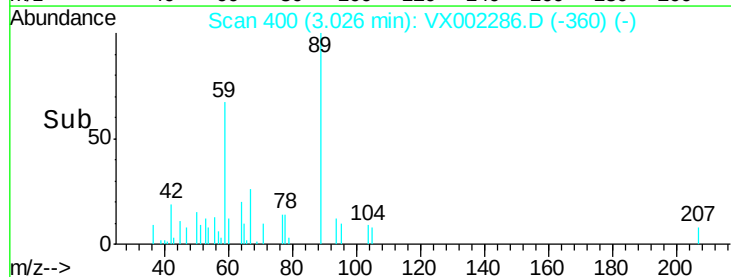
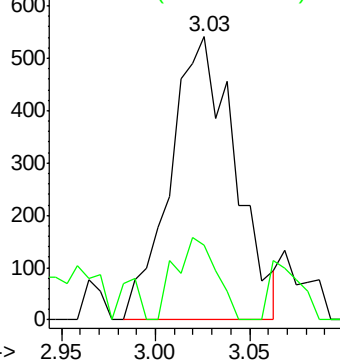


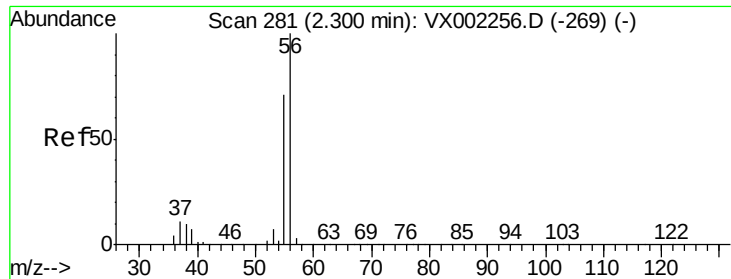
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion: 59 Resp: 1292
Ion Ratio Lower Upper
59 100
57 18.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

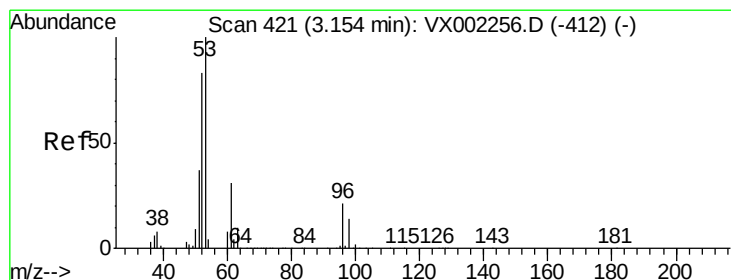
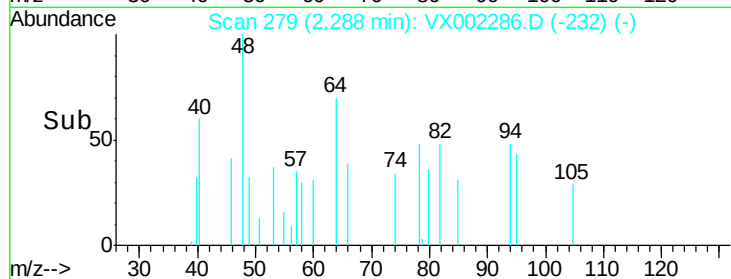
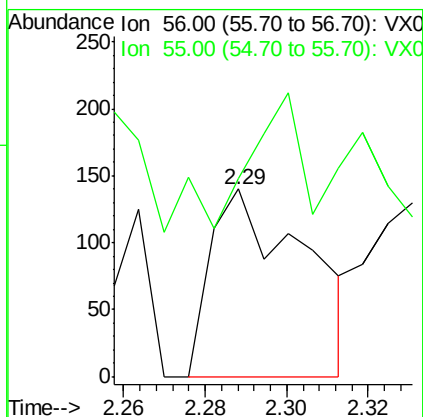
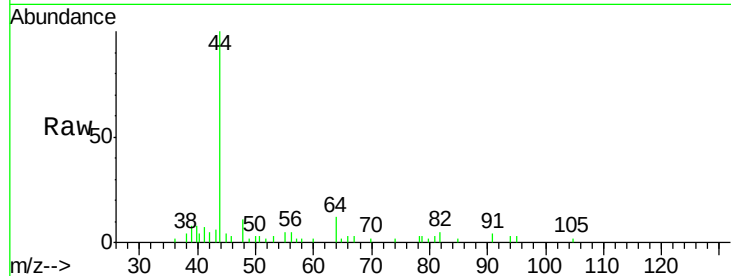




#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

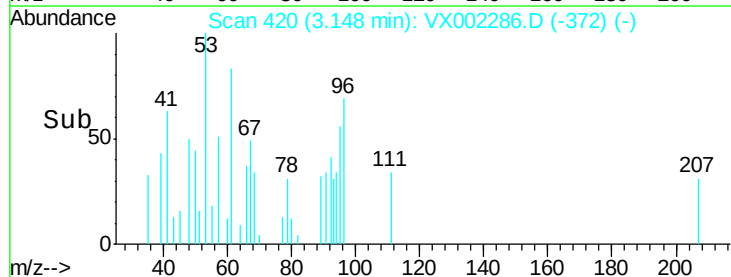
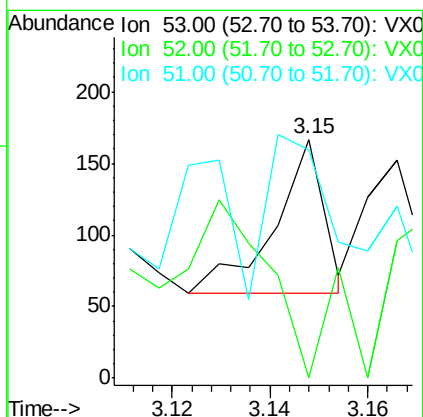
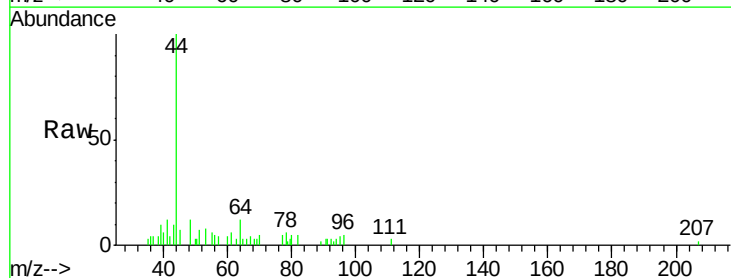
Instrument :
MSVOA_X
ClientSampleId :

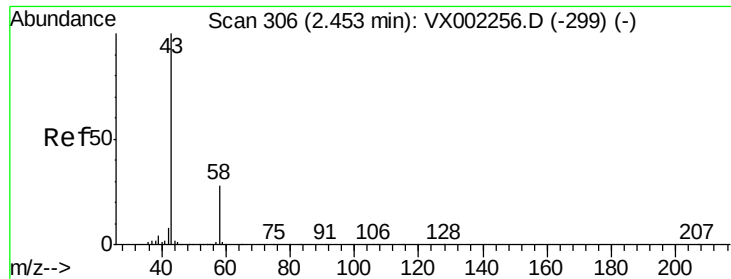
Tot Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 35.6 57.0 85.4#



#15
Acrylonitrile
Concen: Below Cal
RT: 3.15 min Scan# 420
Delta R.T. -0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion: 53 Resp: 76
Ion Ratio Lower Upper
53 100
52 0.0 66.7 100.1#
51 181.6 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

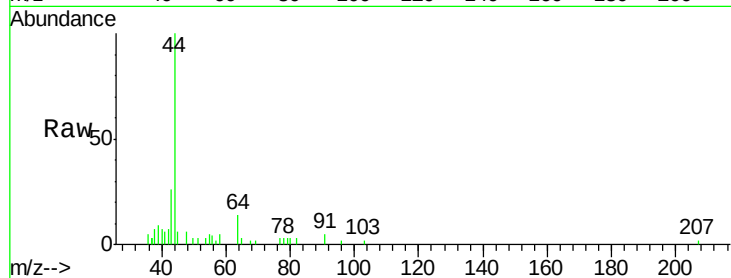
ClientSampled :

Tot Ion: 43 Resp: 1299

Ion Ratio Lower Upper

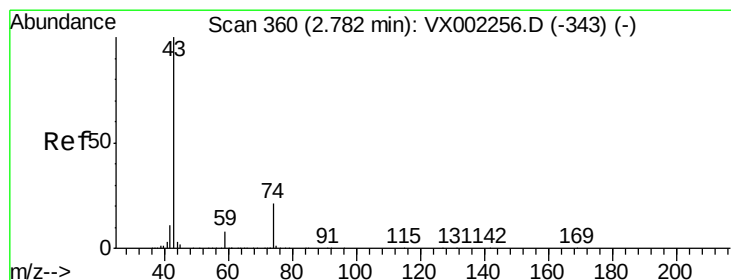
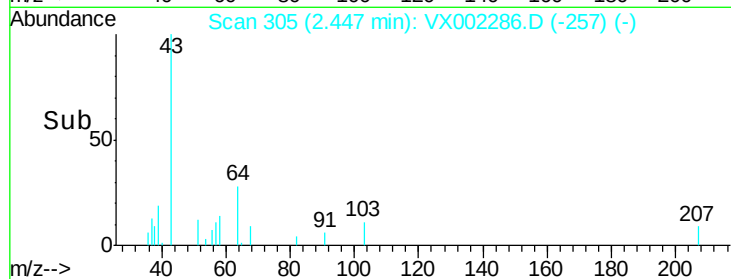
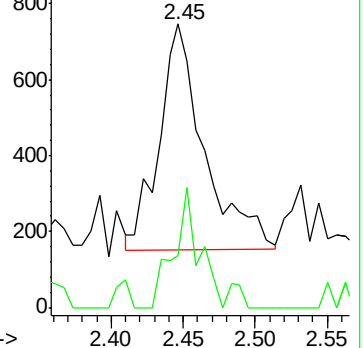
43 100

58 23.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: Below Cal

RT: 2.77 min Scan# 358

Delta R.T. -0.01 min

Lab File: VX002286.D

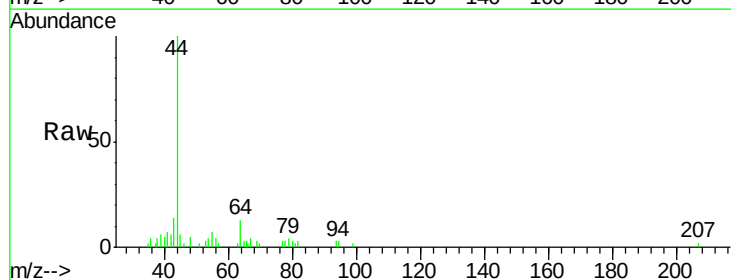
Acq: 05 Jun 2018 03:39

Tgt Ion: 43 Resp: 261

Ion Ratio Lower Upper

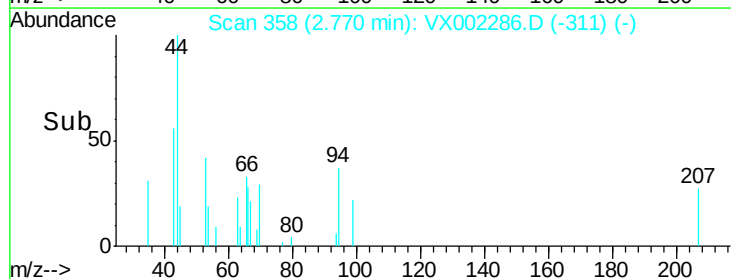
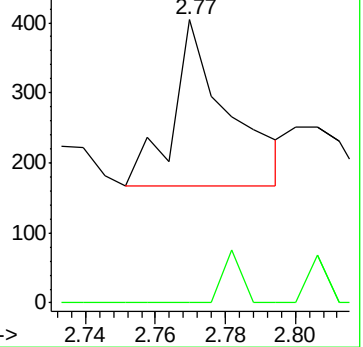
43 100

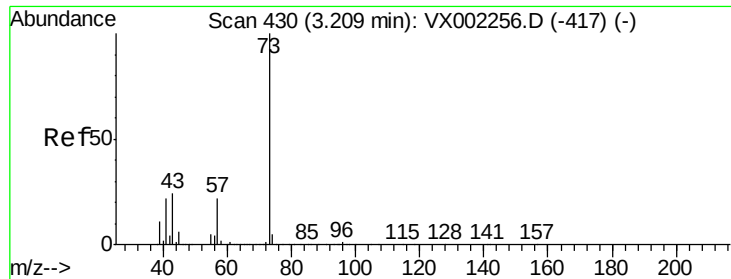
74 10.7 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



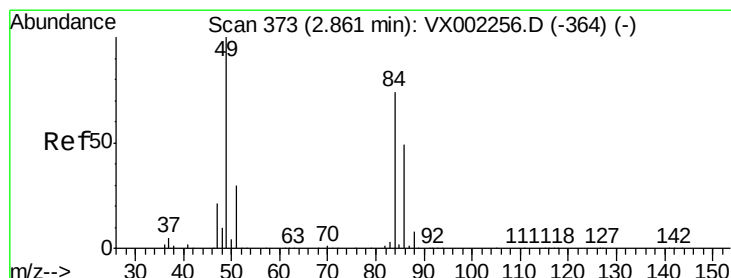
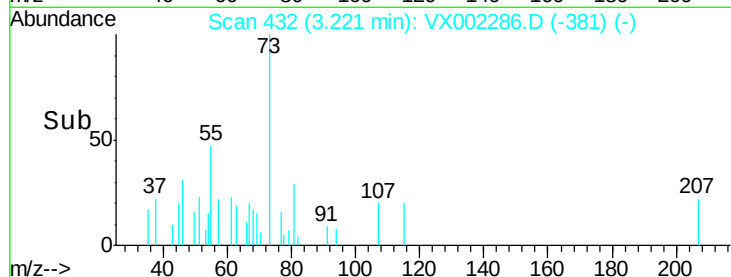
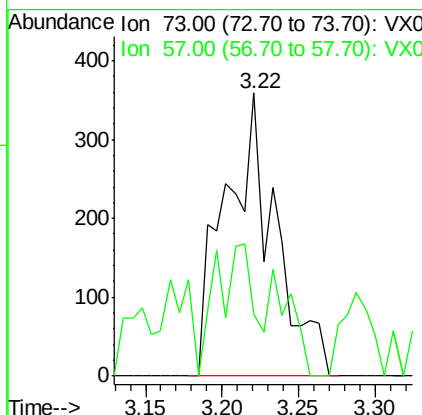
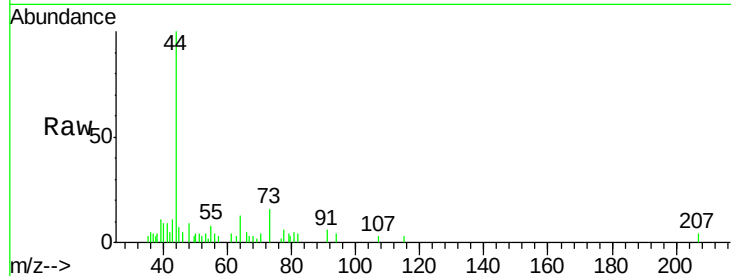


#19

Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.22 min Scan# 432
Delta R.T. 0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Instrument :
MSVOA_X
ClientSampleId :

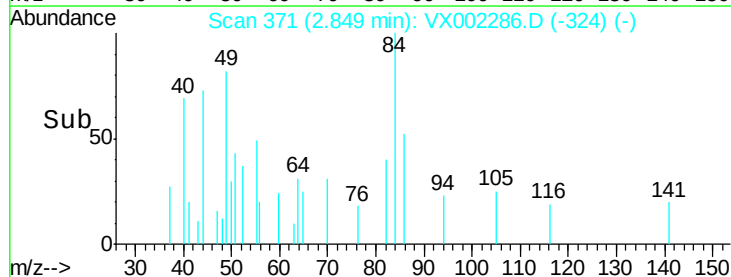
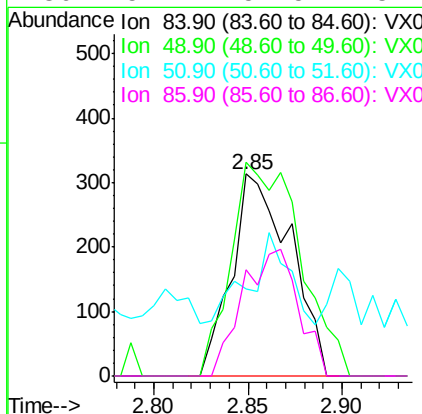
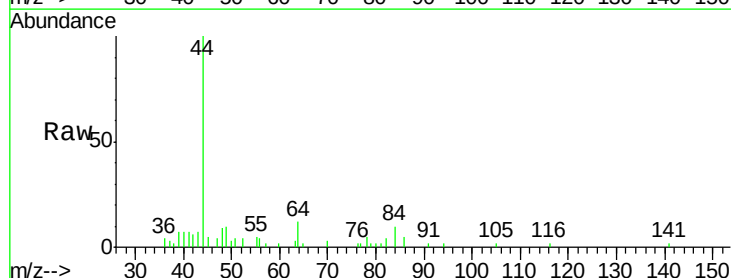
Tot Ion: 73 Resp: 819
Ion Ratio Lower Upper
73 100
57 3.6 17.7 26.5#

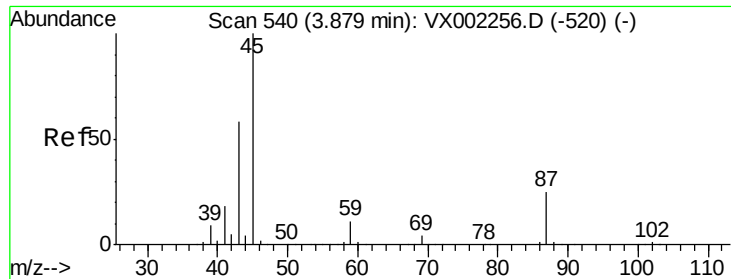


#20

Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 371
Delta R.T. -0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 105.8 107.8 161.6#
51 3.8 32.8 49.2#
86 52.4 52.5 78.7#



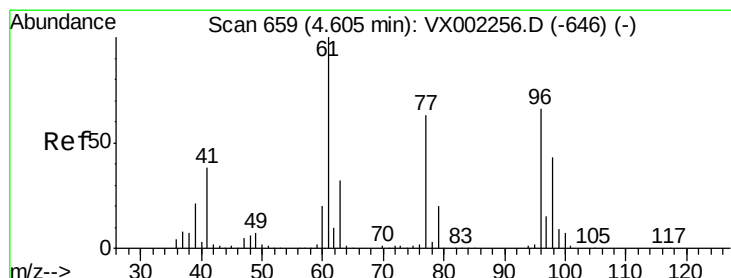
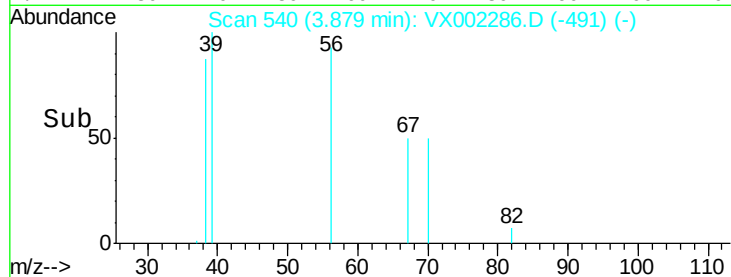
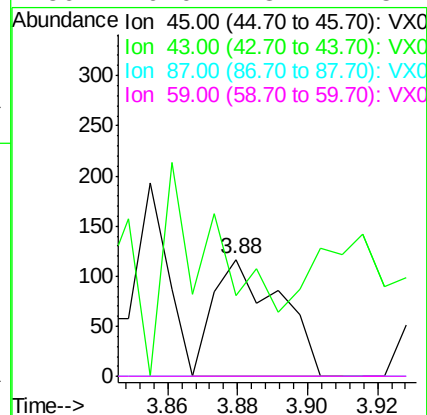
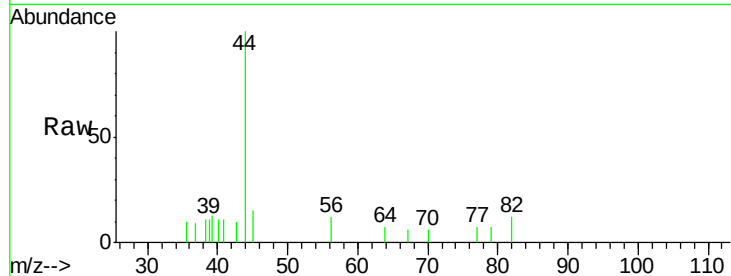


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.88 min Scan# 540
Delta R.T. 0.00 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Instrument :
MSVOA_X
ClientSampled :

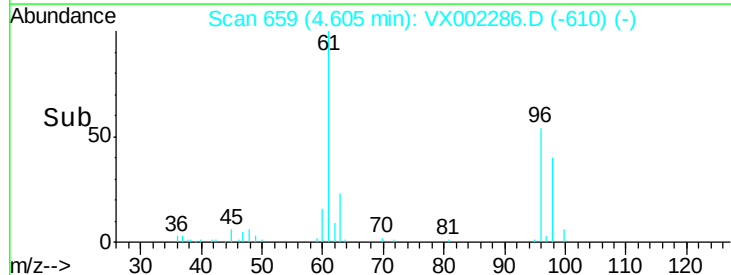
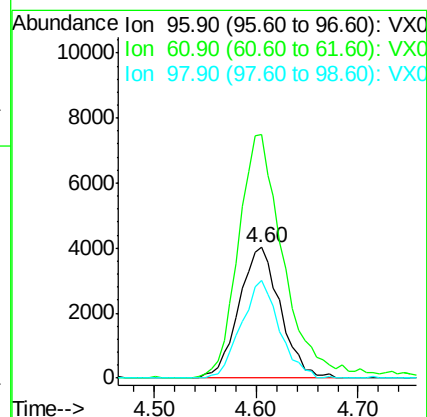
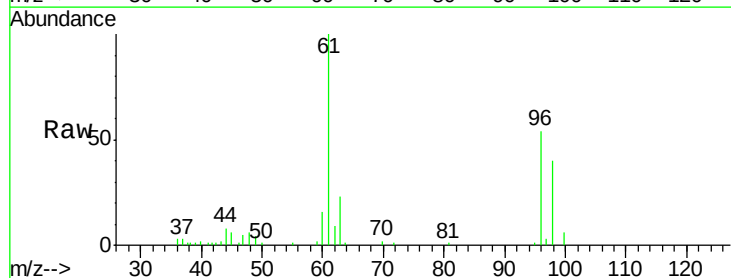
Tot Ion:	45	Resp:	155
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

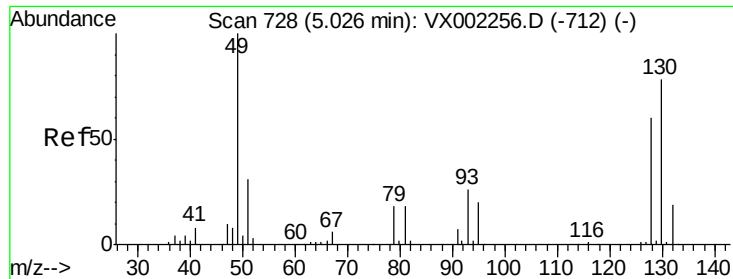


#27

cis-1,2-Dichloroethene
Concen: 3.40 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion:	96	Resp:	11291
Ion	Ratio	Lower	Upper
96	100		
61	202.3	0.0	330.2
98	68.7	0.0	130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 724

Delta R.T. -0.02 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

ClientSampled :

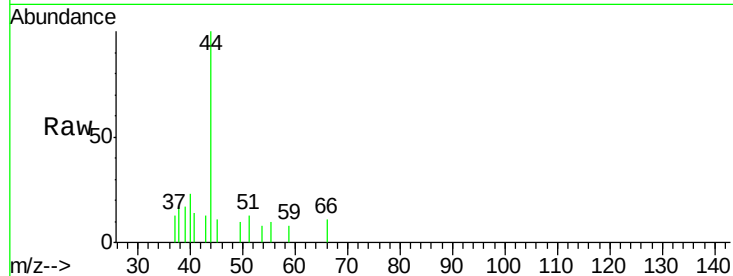
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

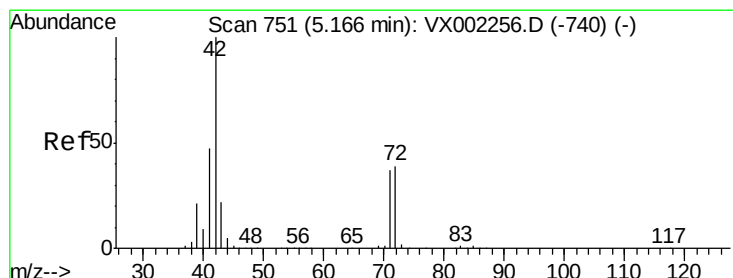
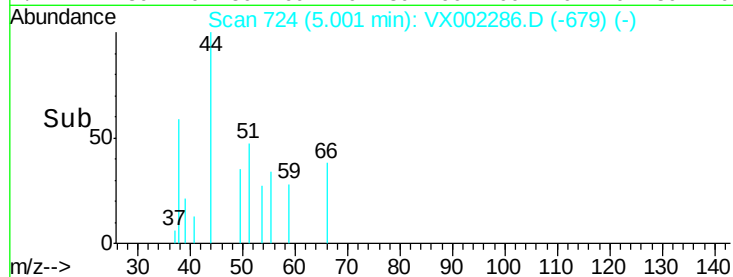
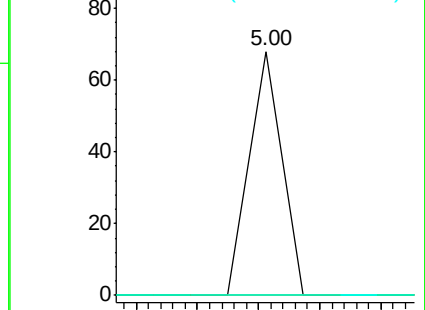
130 0.0 61.2 91.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

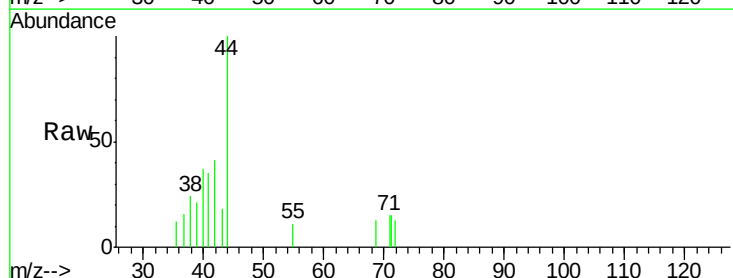
Tgt Ion: 42 Resp: 373

Ion Ratio Lower Upper

42 100

72 27.1 32.0 48.0#

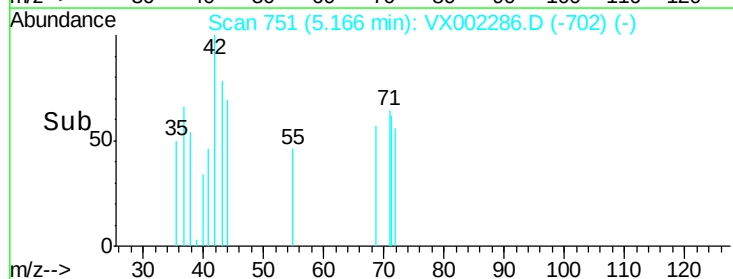
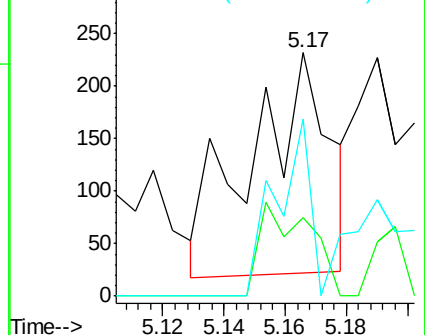
71 40.5 30.1 45.1

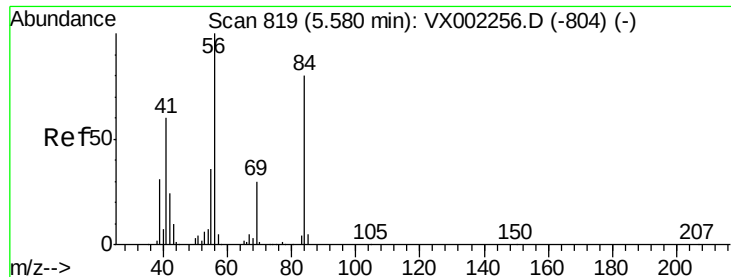


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

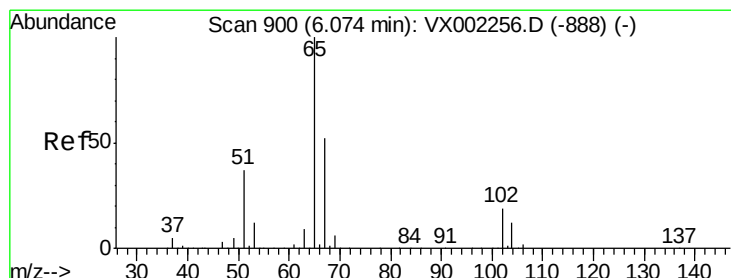
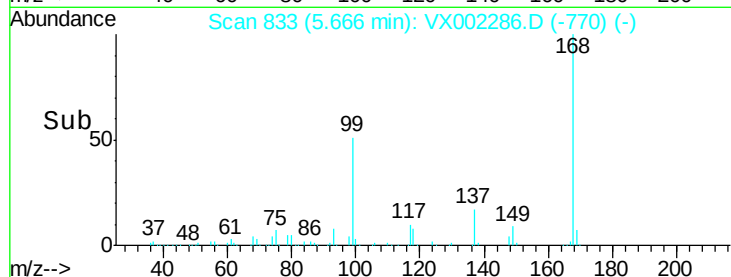
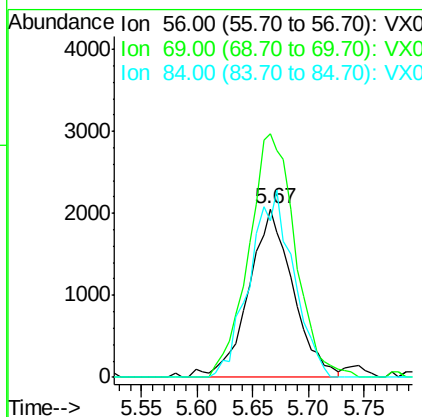
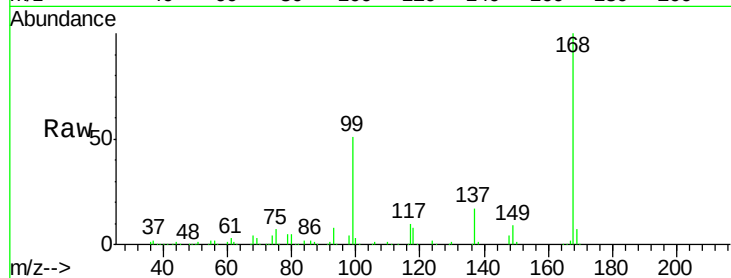




#31
Cyclohexane
Concen: 1.21 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

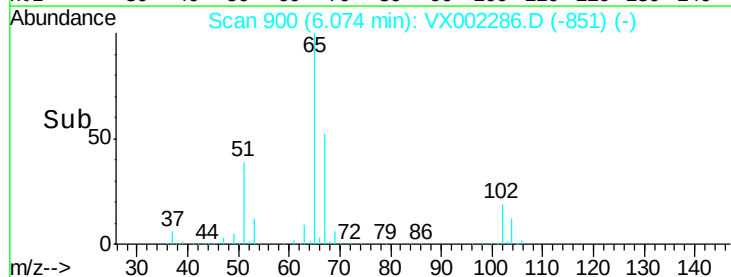
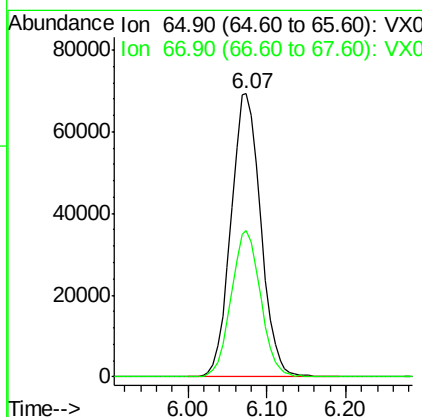
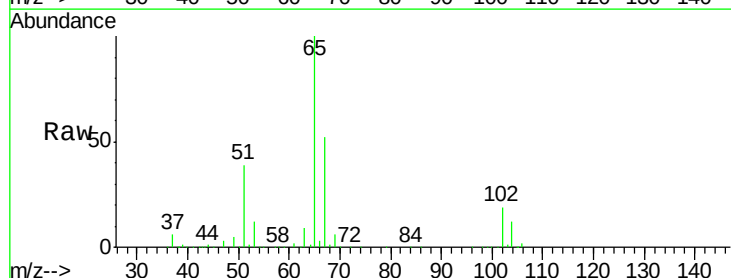
Instrument :
MSVOA_X
ClientSampled :

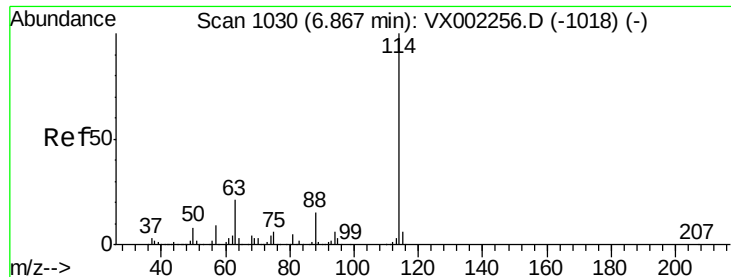
Tot Ion: 56 Resp: 5673
Ion Ratio Lower Upper
56 100
69 144.8 23.7 35.5#
84 93.3 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 48.85 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion: 65 Resp: 181952
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.6

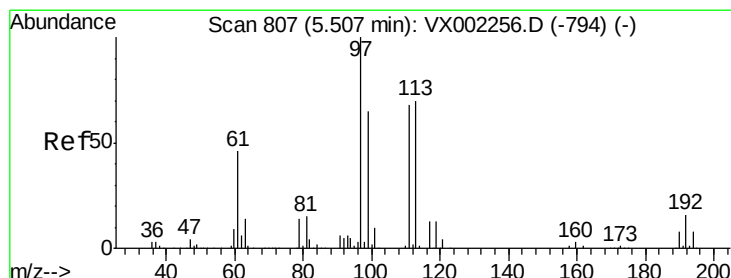
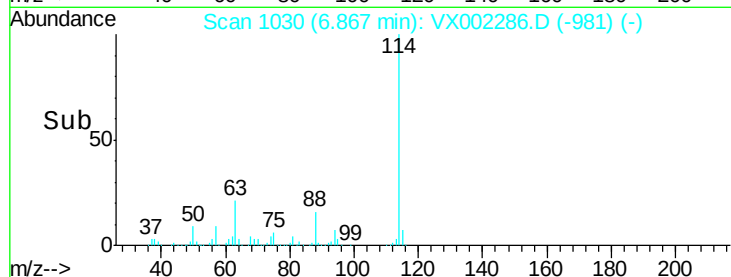
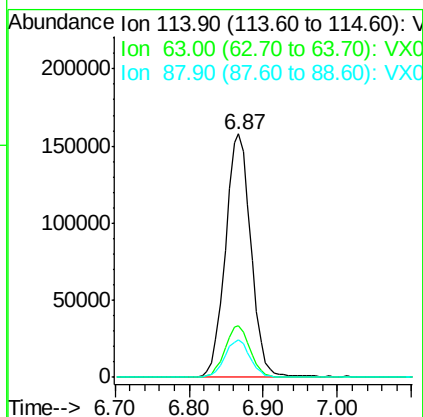
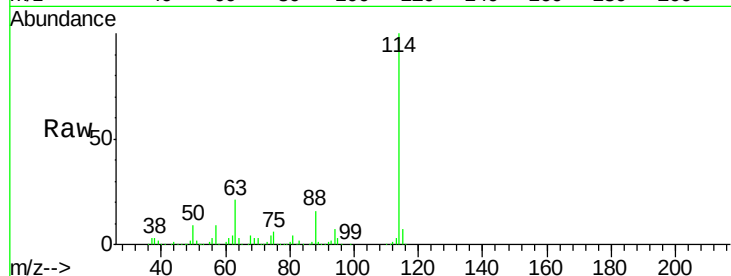




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002286.D
 Acq: 05 Jun 2018 03:39

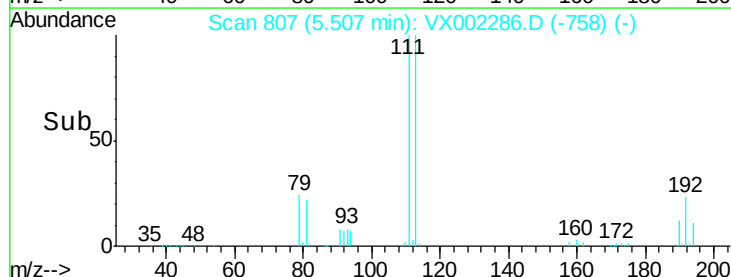
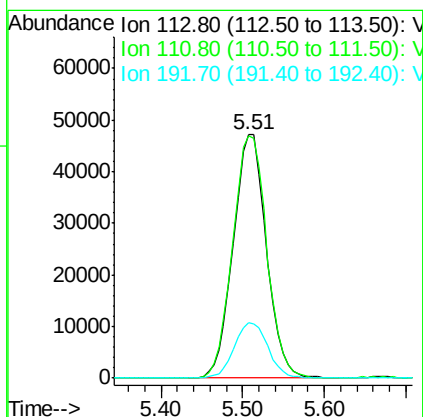
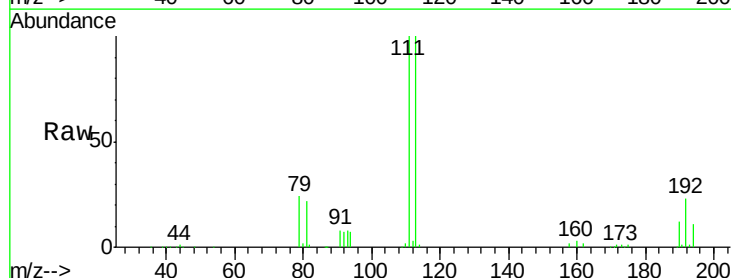
Instrument :
 MSVOA_X
 ClientSampleId :

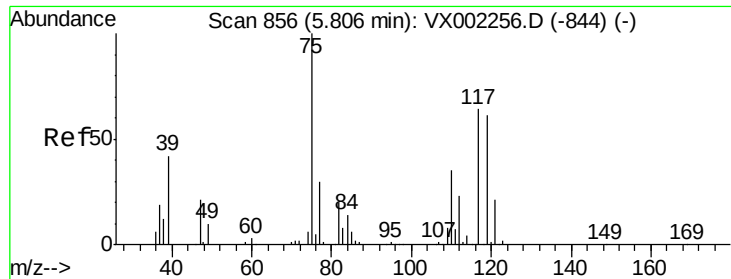
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.4
88	15.6	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 44.76 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002286.D
 Acq: 05 Jun 2018 03:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	23.1	19.1	28.7

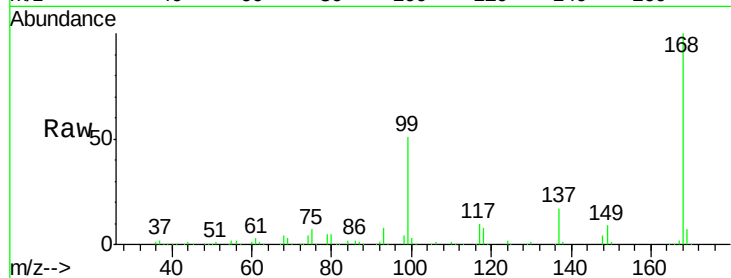




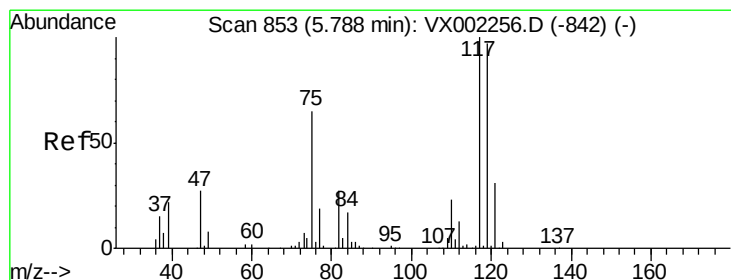
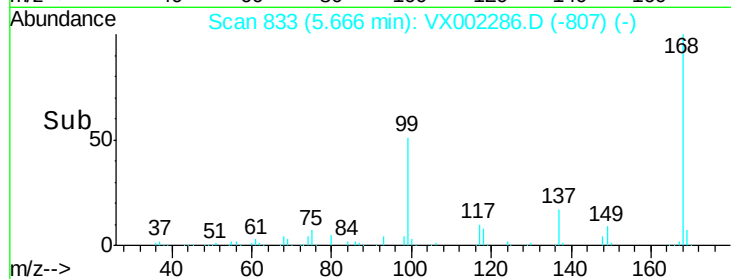
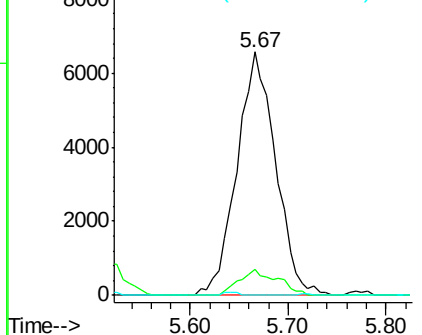
#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002286.D
 Acq: 05 Jun 2018 03:39

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	17997
Ion Ratio	Lower	Upper	
75	100		
110	10.4	18.1	54.4#
77	0.5	24.3	36.5#

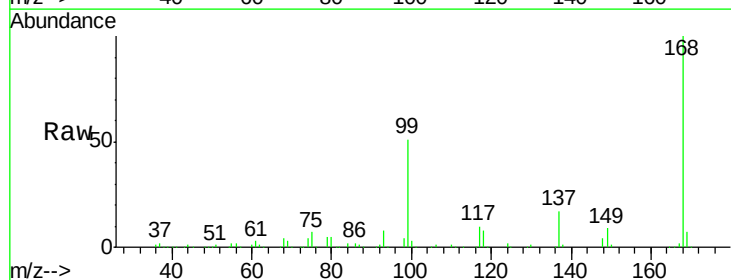


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

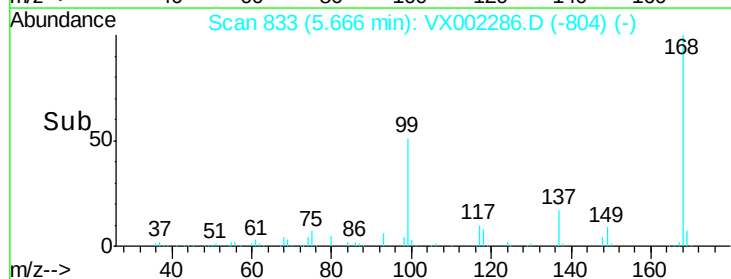
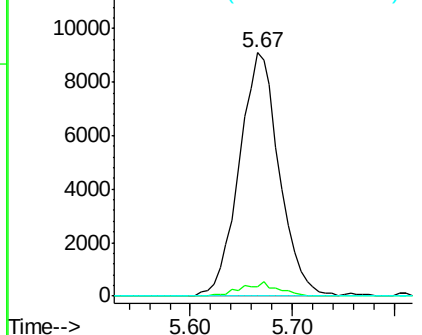


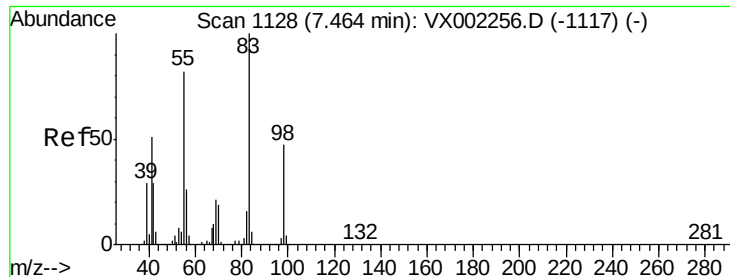
#38
 Carbon Tetrachloride
 Concen: 5.97 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002286.D
 Acq: 05 Jun 2018 03:39

Tgt Ion	117	Resp	24798
Ion Ratio	Lower	Upper	
117	100		
119	3.7	77.4	116.0#
121	0.0	24.4	36.6#



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

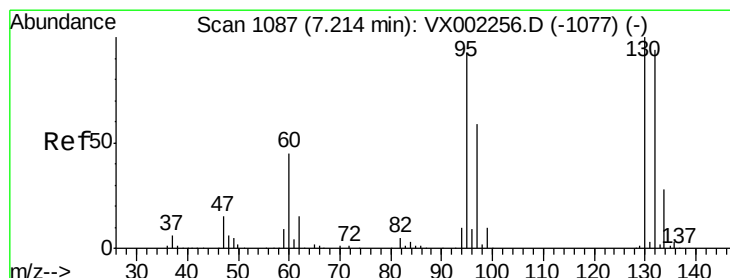
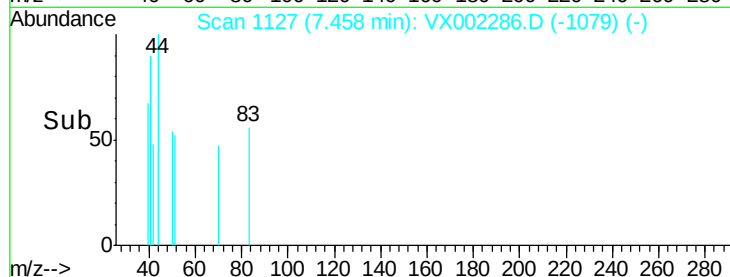
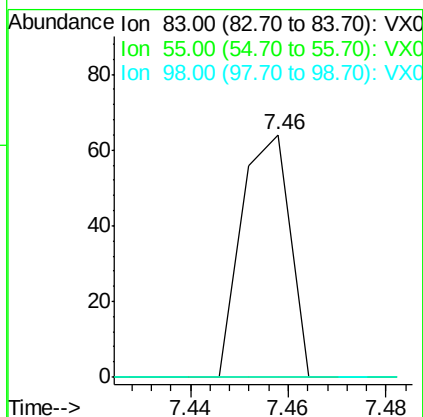
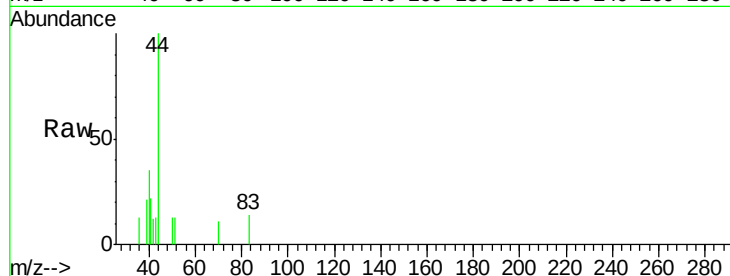




#39
Methylvlcyclohexane
Concen: 0.27 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

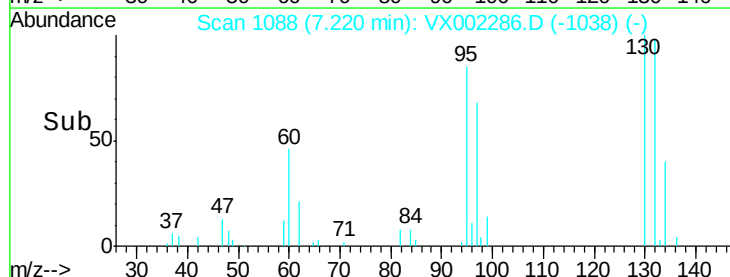
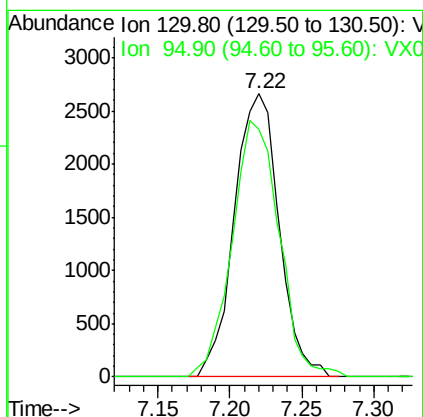
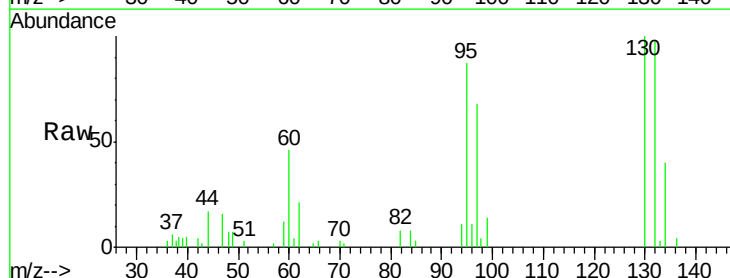
Instrument :
MSVOA_X
ClientSampleId :

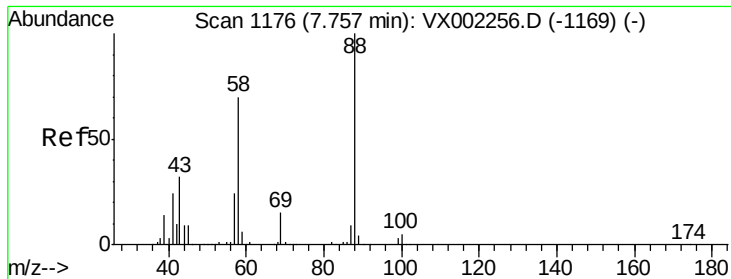
Tot Ion: 83 Resp: 44
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 37.4 56.0#



#44
Trichloroethene
Concen: 1.70 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion:130 Resp: 5739
Ion Ratio Lower Upper
130 100
95 87.4 0.0 185.4





#49

1,4-Dioxane

Concen: 0.34 ug/l

RT: 7.83 min Scan# 1188

Delta R.T. 0.07 min

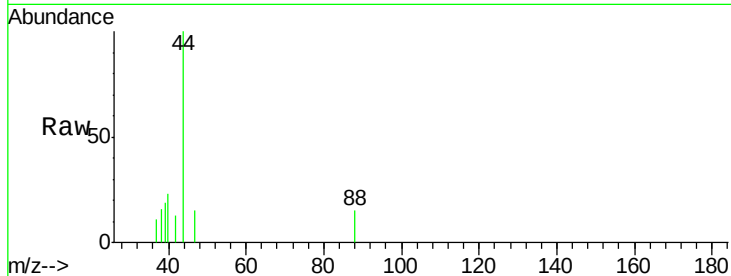
Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

ClientSampled :



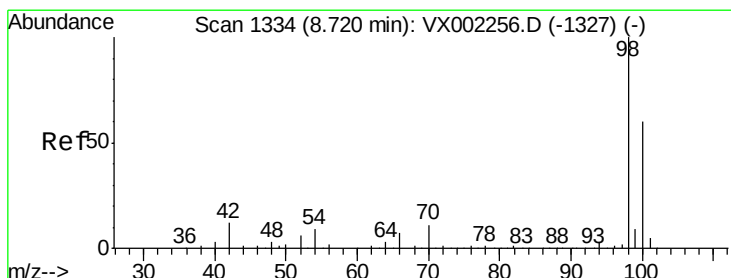
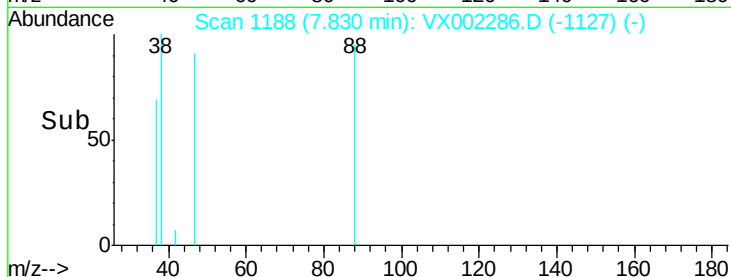
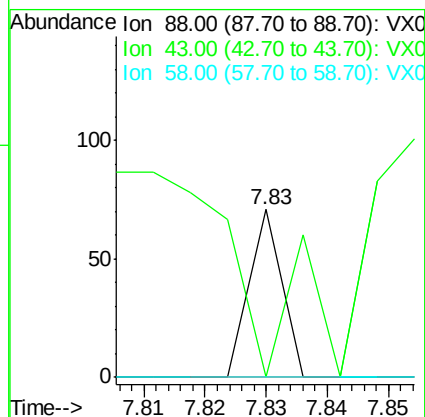
Tot Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 47.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002286.D

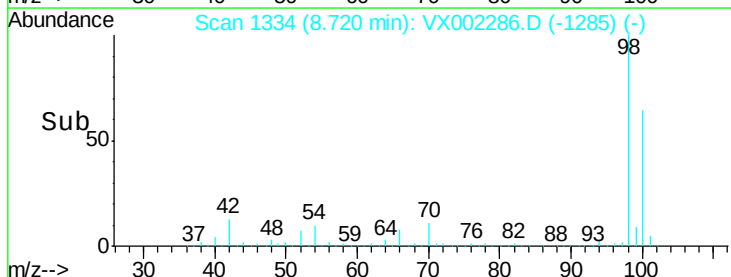
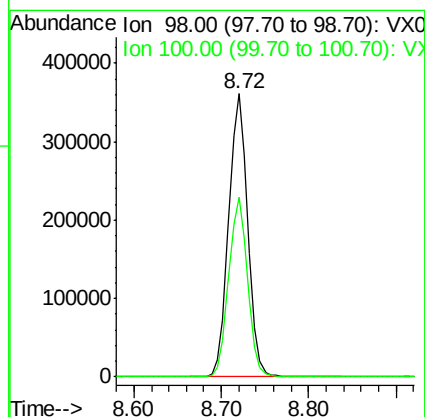
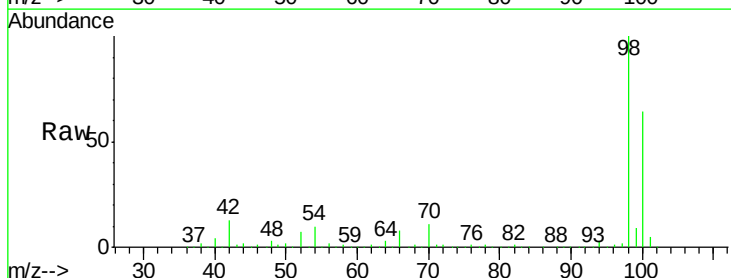
Acq: 05 Jun 2018 03:39

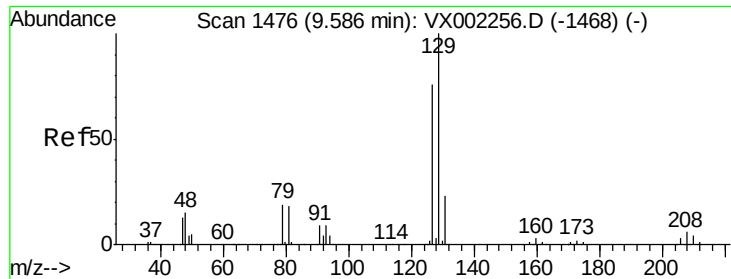
Tgt Ion: 98 Resp: 545881

Ion Ratio Lower Upper

98 100

100 63.2 50.9 76.3





#60

Dibromochloromethane

Concen: 0.75 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

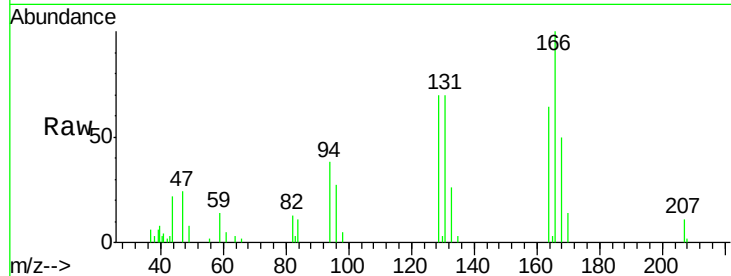
ClientSampleId :

Tot Ion:129 Resp: 2397

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

2000

1500

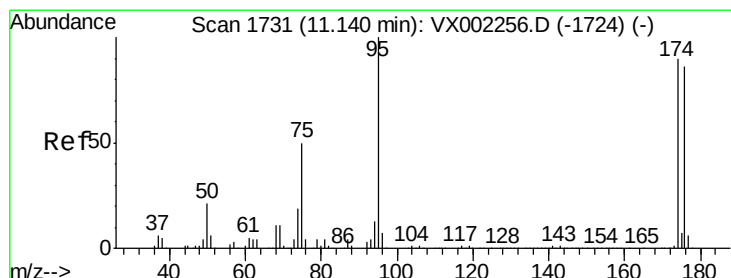
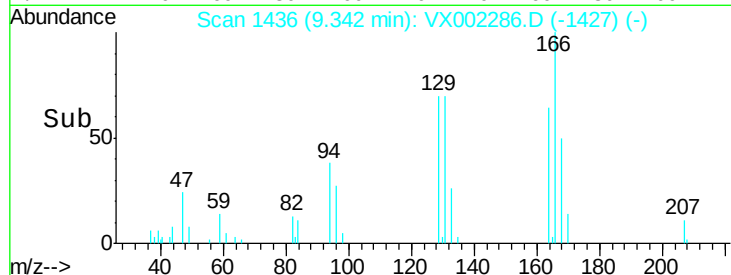
1000

500

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 44.41 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

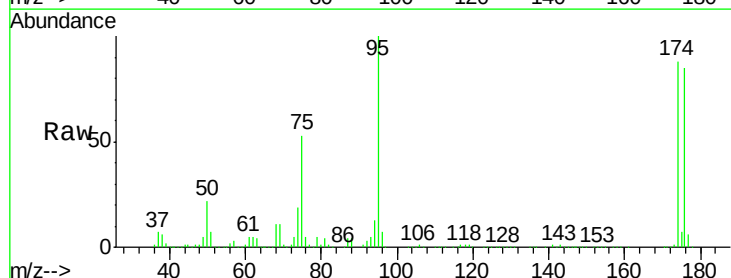
Tgt Ion: 95 Resp: 194962

Ion Ratio Lower Upper

95 100

174 92.7 0.0 187.4

176 90.0 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

200000

150000

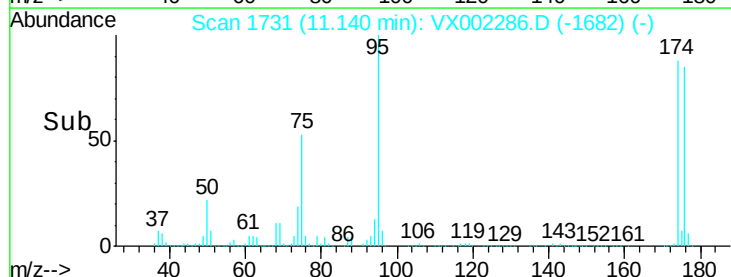
100000

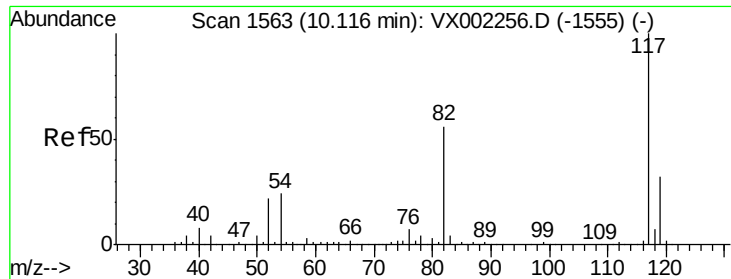
50000

0

11.10 11.20

Time-->

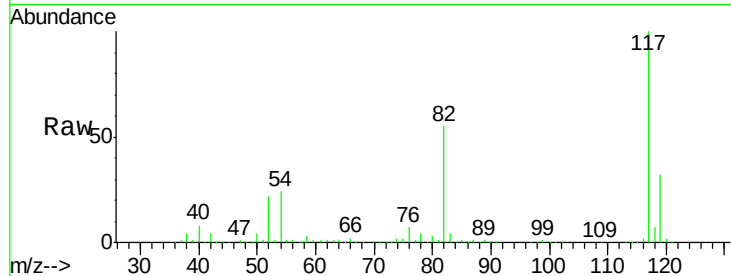




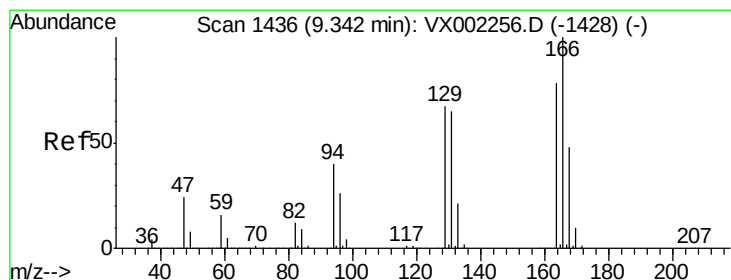
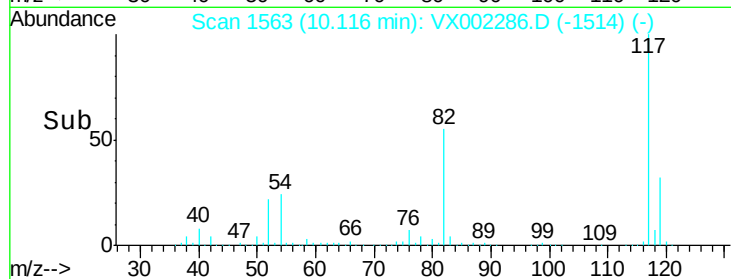
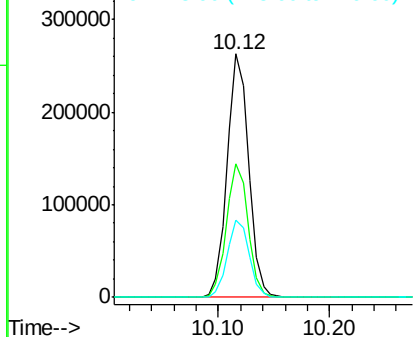
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 351862
Ion Ratio Lower Upper
117 100
82 55.1 45.0 67.4
119 31.9 25.8 38.6

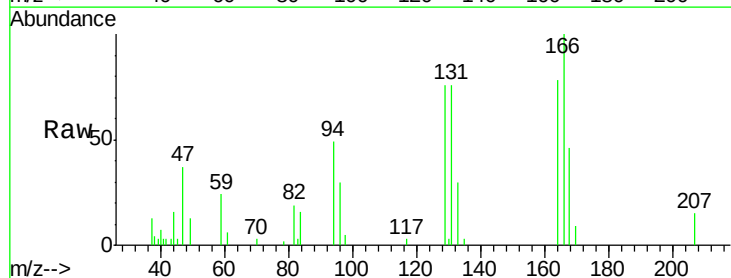


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

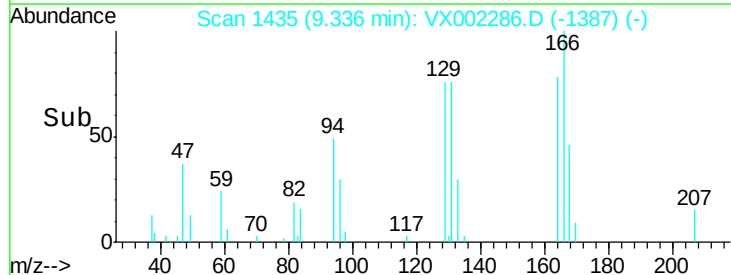
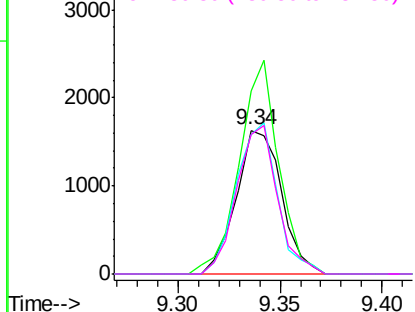


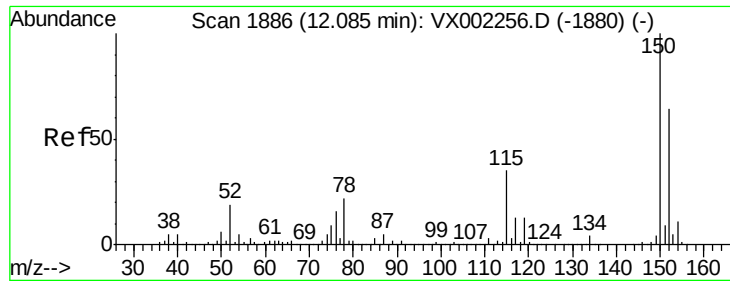
#64
Tetrachloroethene
Concen: 0.69 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.01 min
Lab File: VX002286.D
Acq: 05 Jun 2018 03:39

Tgt Ion:164 Resp: 2513
Ion Ratio Lower Upper
164 100
166 127.5 102.9 154.3
129 96.8 68.6 102.8
131 97.2 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: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

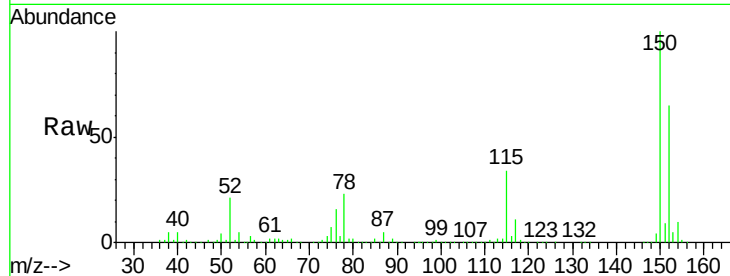
Tot Ion:152 Resp: 200550

Ion Ratio Lower Upper

152 100

115 55.1 40.1 120.2

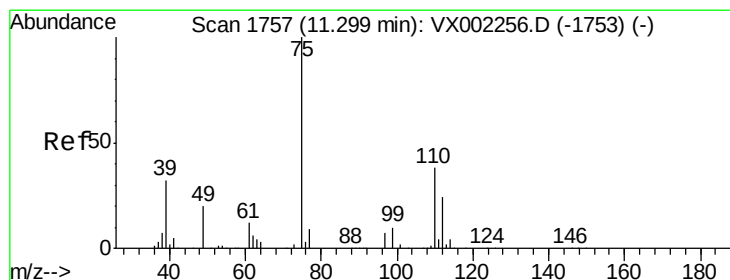
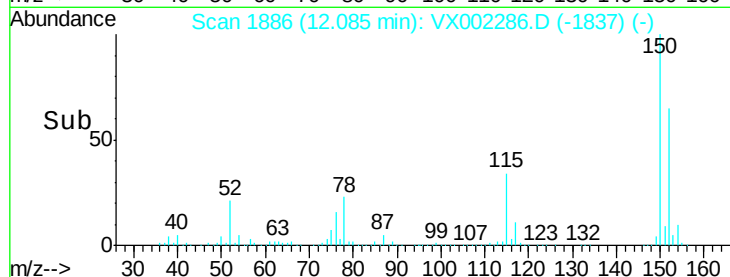
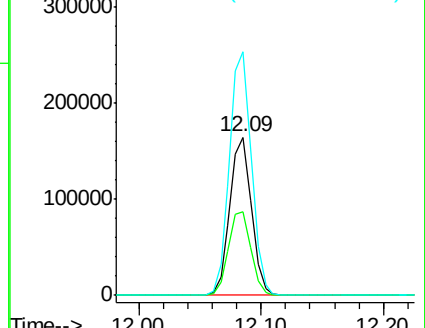
150 155.7 0.0 347.2



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: 23.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002286.D

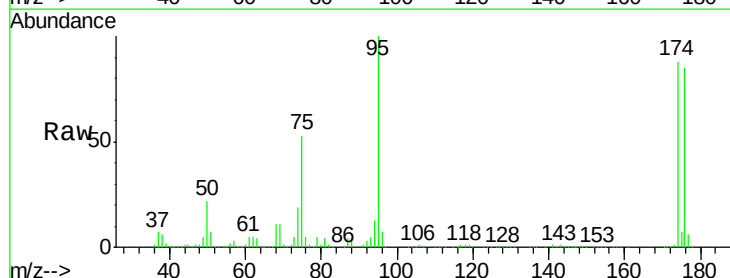
Acq: 05 Jun 2018 03:39

Tgt Ion: 75 Resp: 104088

Ion Ratio Lower Upper

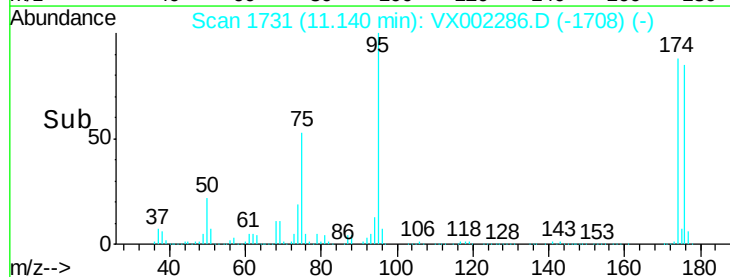
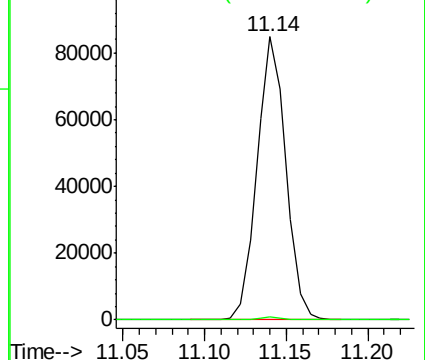
75 100

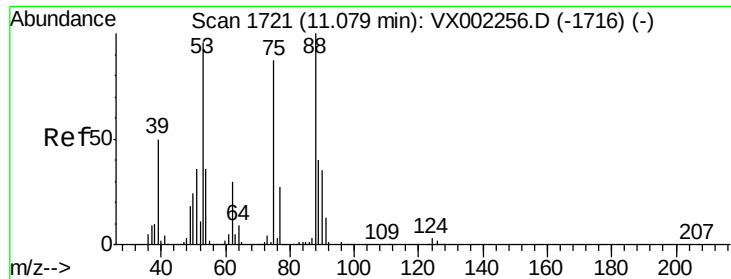
77 1.0 22.8 68.3#



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: 82.91 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002286.D

Acq: 05 Jun 2018 03:39

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 104088

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#

