

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060618\
 Data File : VX002350.D
 Acq On : 06 Jun 2018 14:09
 Operator : JC/MD
 Sample : J3268-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 07 03:21:56 2018
 Quant Method : Z:\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	223403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	329512	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164806	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	160859	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
35) Dibromofluoromethane	5.51	113	119294	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	8.72	98	476011	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.14	95	163105	42.59	ug/l	0.00
Spiked Amount			Recovery	=	85.18%	

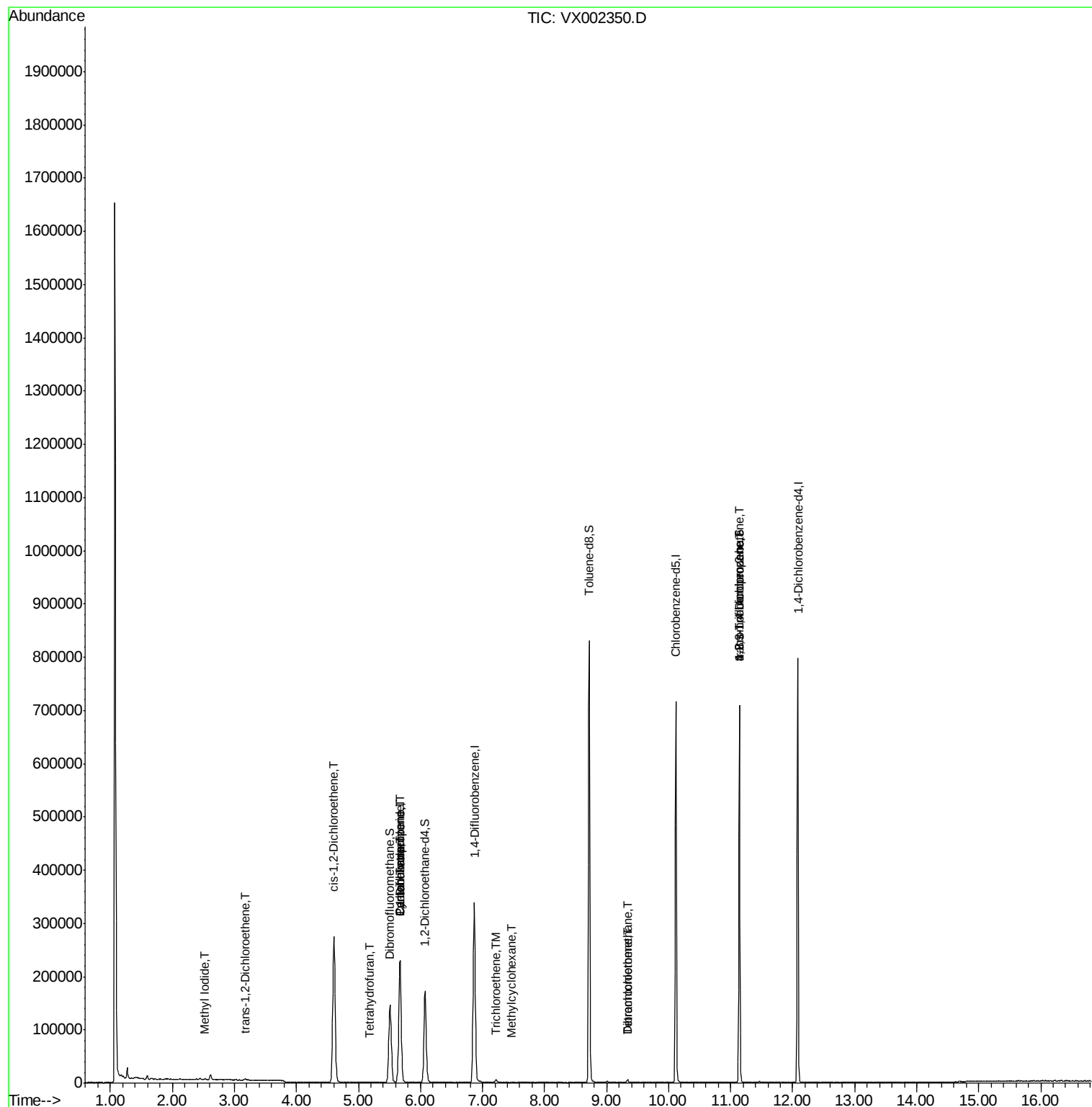
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	471	Below Cal	#	54
5) Bromomethane	1.66	94	1134	Below Cal	#	78
8) Diethyl Ether	2.14	74	44	Below Cal		63
10) Methyl Iodide	2.52	142	1689	0.50	ug/l	92
11) Tert butyl alcohol	3.06	59	90	Below Cal	#	1
13) Acrolein	2.29	56	198	Below Cal		92
15) Acrylonitrile	3.15	53	93	Below Cal	#	1
16) Acetone	2.45	43	2530	Below Cal	#	87
18) Methyl Acetate	2.80	43	104	Below Cal	#	55
19) Methyl tert-butyl Ether	3.20	73	450	Below Cal	#	59
20) Methylene Chloride	2.87	84	233	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.17	96	1010	0.39	ug/l	79
22) Diisopropyl ether	3.89	45	148	Below Cal	#	79
27) cis-1,2-Dichloroethene	4.60	96	167912	58.87	ug/l	85
28) Bromochloromethane	5.03	49	68	Below Cal	#	13
29) Tetrahydrofuran	5.17	42	302	0.21	ug/l	36
31) Cyclohexane	5.67	56	5127	1.27	ug/l	33
36) 1,1-Dichloropropene	5.67	75	15852	4.58	ug/l	51
38) Carbon Tetrachloride	5.67	117	21096	5.82	ug/l	16
39) Methylcyclohexane	7.47	83	86	0.28	ug/l	22
44) Trichloroethene	7.22	130	1714	0.58	ug/l	88
60) Dibromochloromethane	9.34	129	948	0.34	ug/l	11
64) Tetrachloroethene	9.34	164	1252	0.40	ug/l	76
76) 1,2,3-Trichloropropane	11.14	75	88463	24.46	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	88463	85.75	ug/l	6

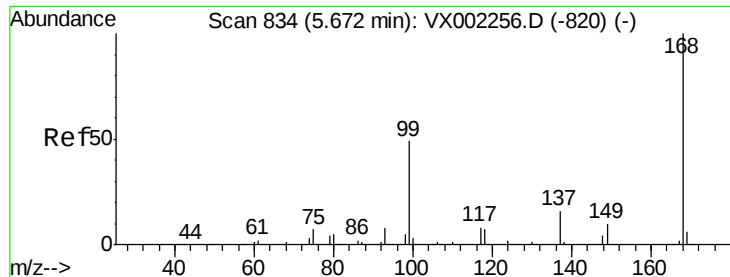
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060618\
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ClientSampleId :

Quant Time: Jun 07 03:21:56 2018
Quant Method : Z:\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: VX002350.D

Acq: 06 Jun 2018 14:09

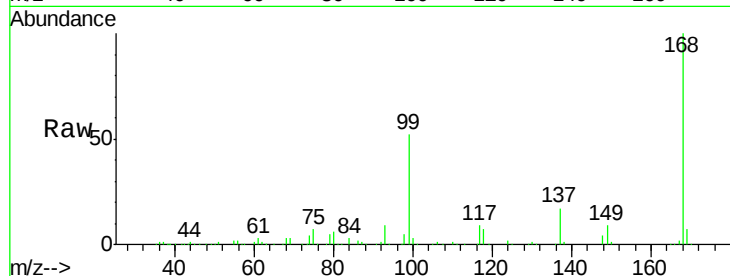
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 223403

Ion Ratio Lower Upper

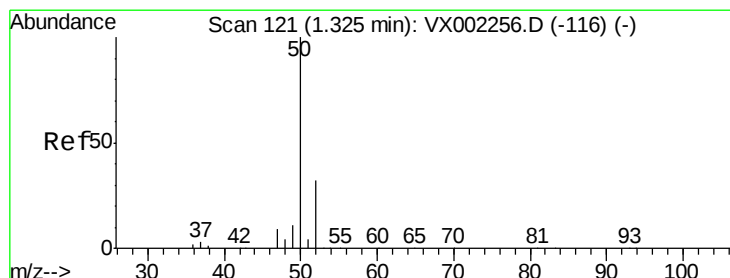
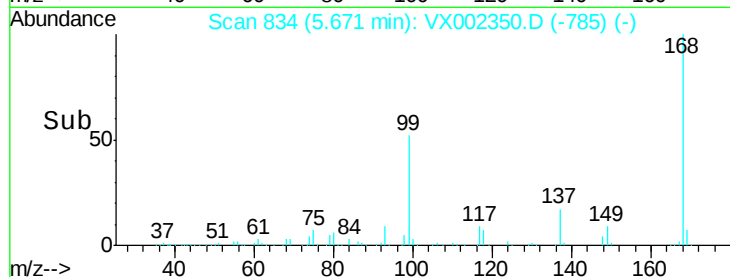
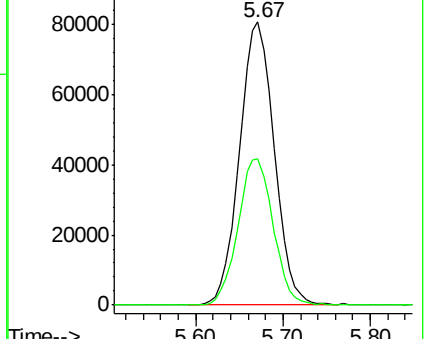
168 100

99 51.5 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: VX002350.D

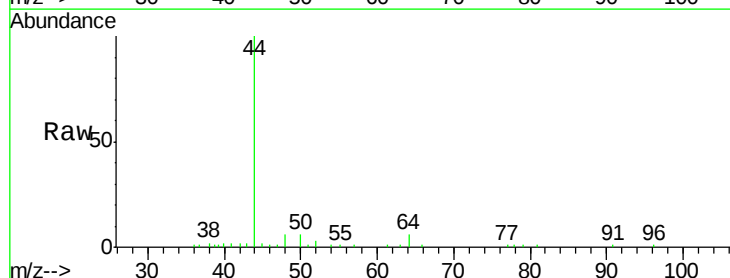
Acq: 06 Jun 2018 14:09

Tgt Ion: 50 Resp: 471

Ion Ratio Lower Upper

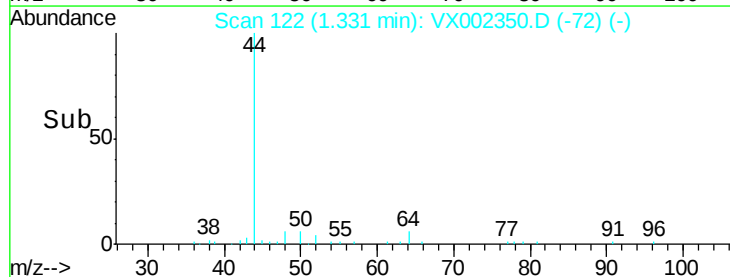
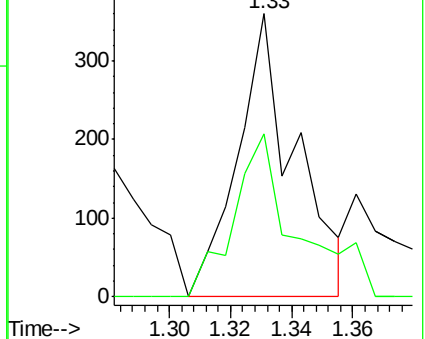
50 100

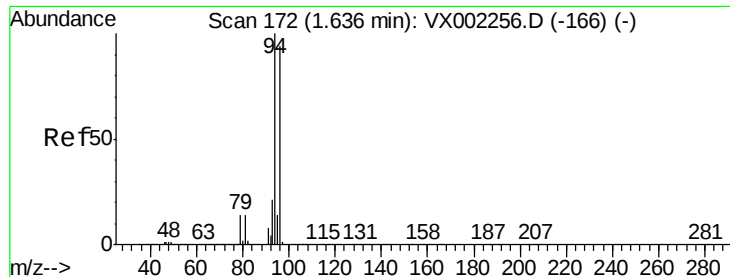
52 57.8 25.7 38.5#



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. 0.02 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

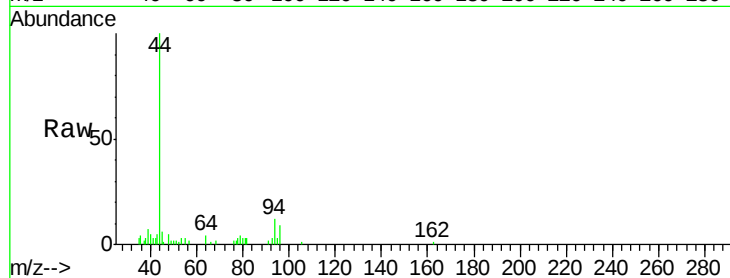
ClientSampled :

Tot Ion: 94 Resp: 1134

Ion Ratio Lower Upper

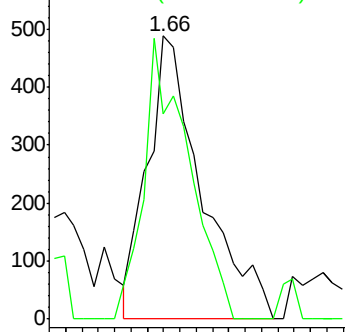
94 100

96 72.3 74.9 112.3#

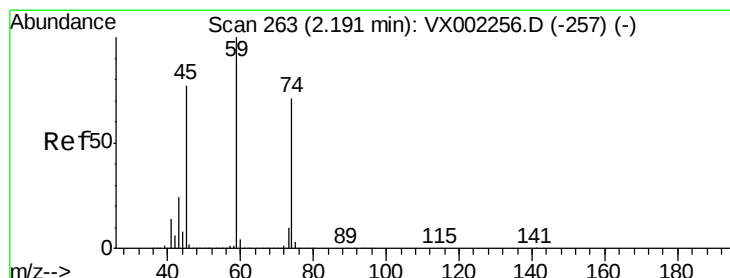
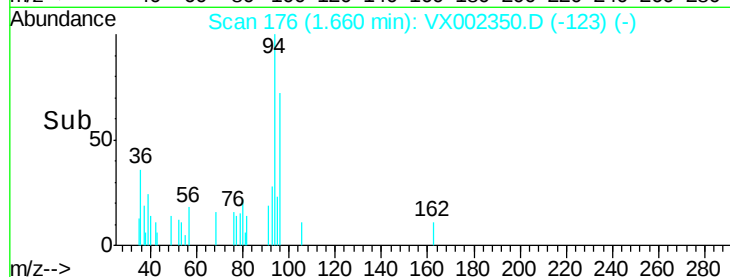


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.14 min Scan# 255

Delta R.T. -0.05 min

Lab File: VX002350.D

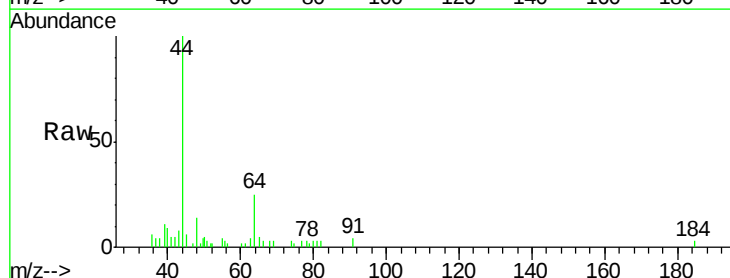
Acq: 06 Jun 2018 14:09

Tgt Ion: 74 Resp: 44

Ion Ratio Lower Upper

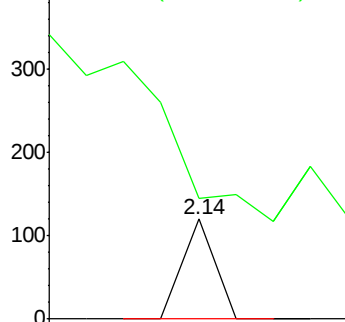
74 100

45 68.2 53.1 159.4

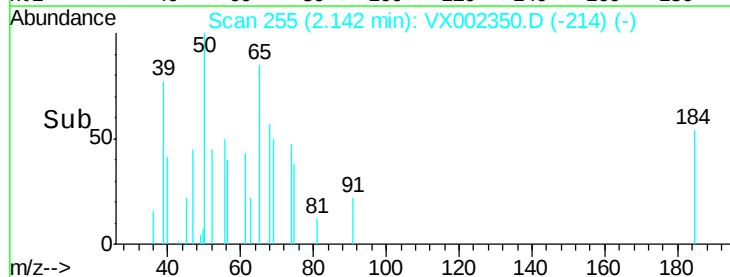


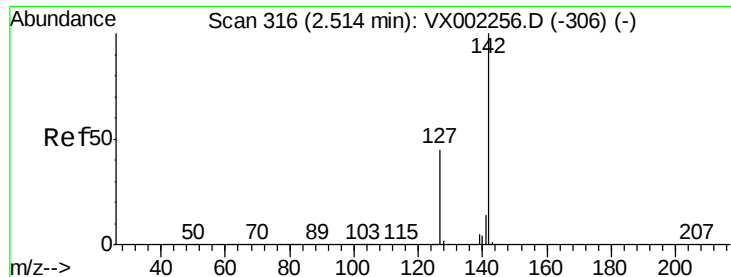
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->

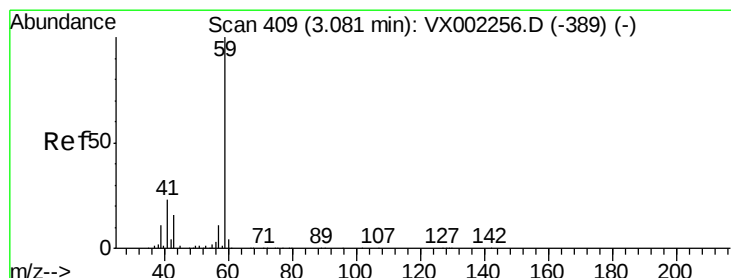
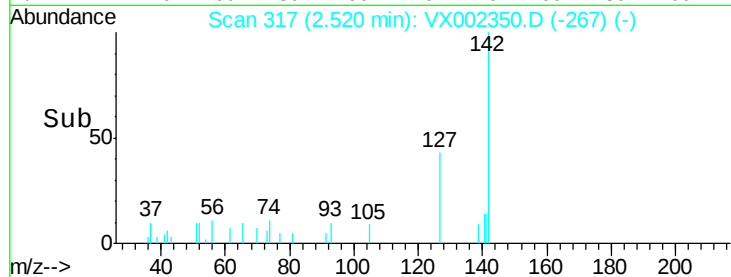
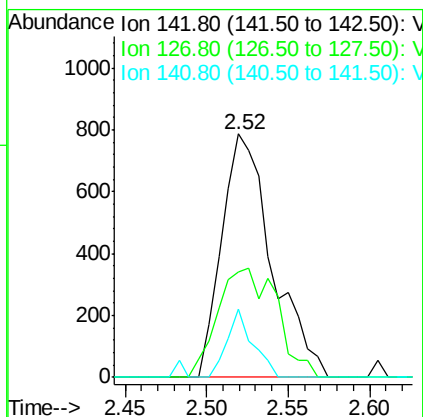
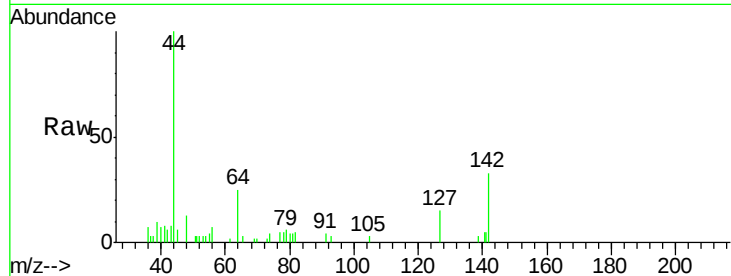




#10
Methvl Iodide
Concen: 0.50 ua/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

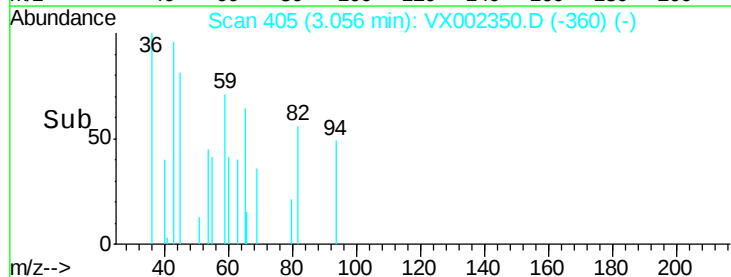
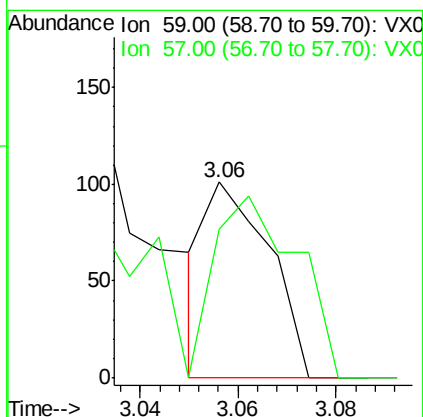
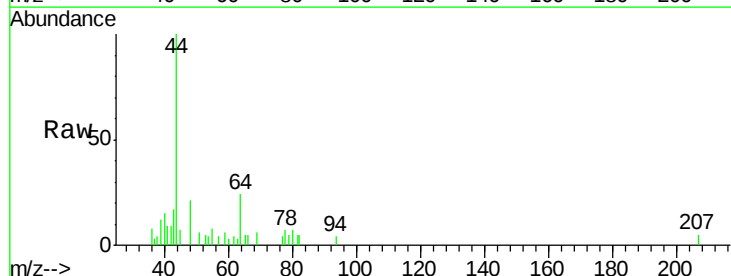
Instrument :
MSVOA_X
ClientSampled :

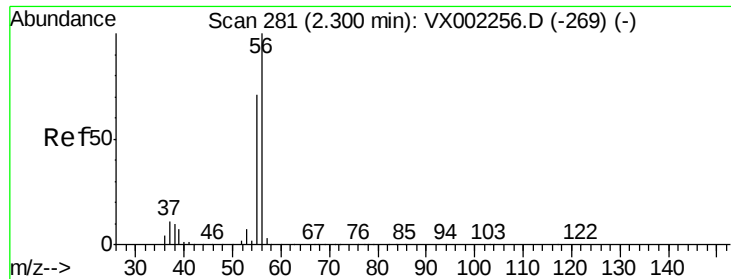
Tot Ion:142 Resp: 1689
Ion Ratio Lower Upper
142 100
127 52.6 36.6 55.0
141 14.3 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.06 min Scan# 405
Delta R.T. -0.02 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 122.2 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

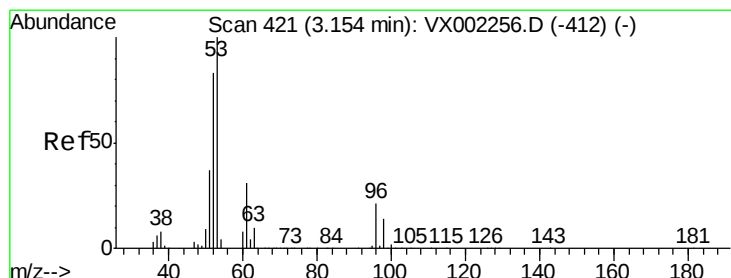
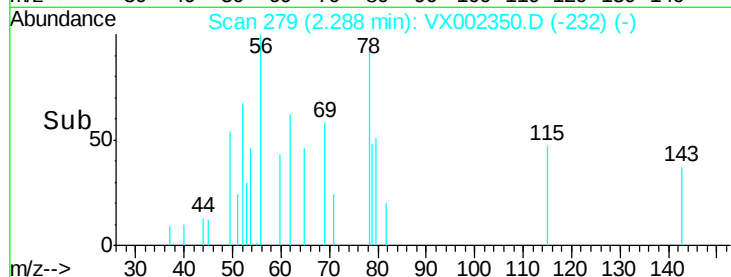
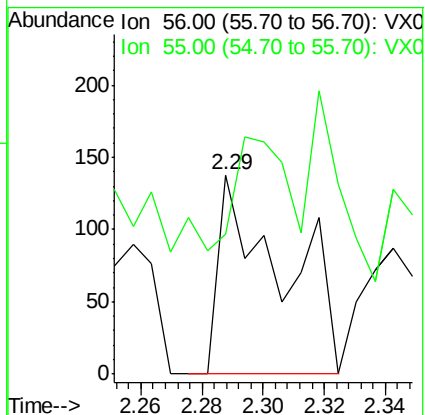
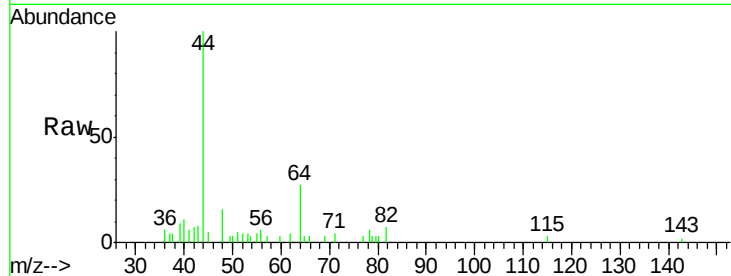
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 198

Ion Ratio Lower Upper

56 100

55 64.6 57.0 85.4



#15

Acrylonitrile

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

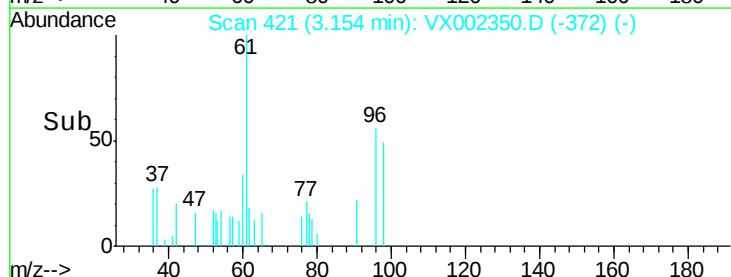
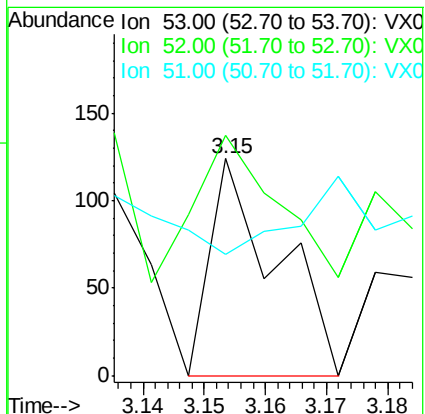
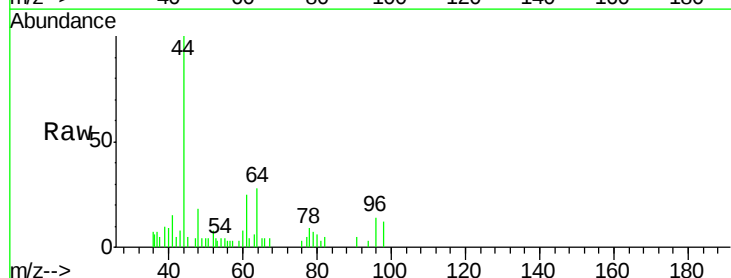
Tgt Ion: 53 Resp: 93

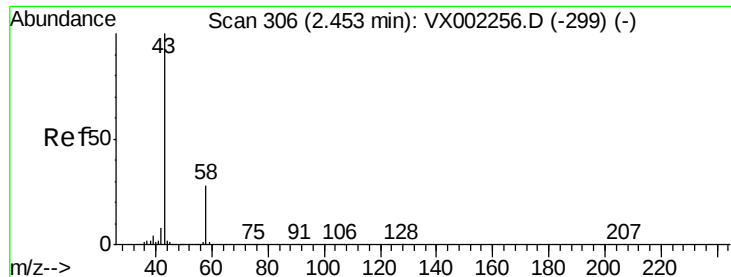
Ion Ratio Lower Upper

53 100

52 86.0 66.7 100.1

51 235.5 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

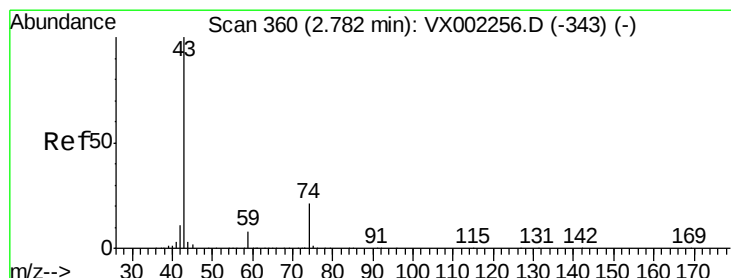
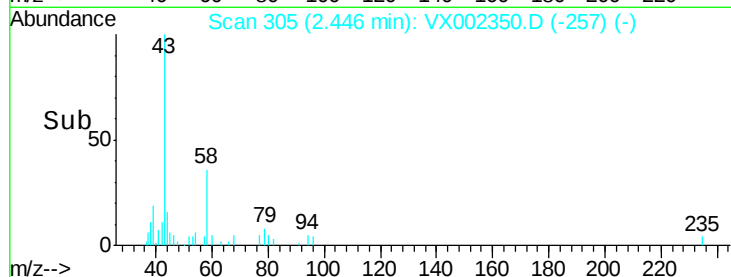
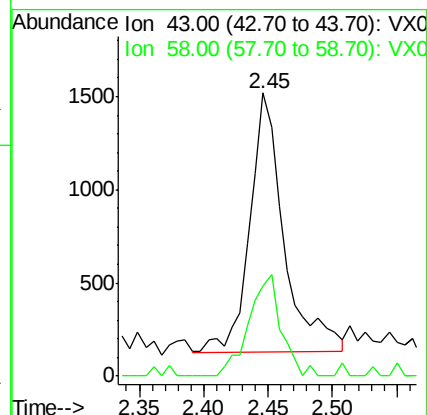
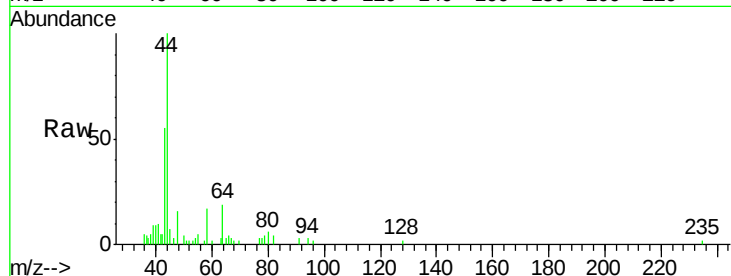
ClientSampleId :

Tot Ion: 43 Resp: 2530

Ion Ratio Lower Upper

43 100

58 34.6 22.1 33.1#



#18

Methyl Acetate

Concen: Below Cal

RT: 2.80 min Scan# 363

Delta R.T. 0.02 min

Lab File: VX002350.D

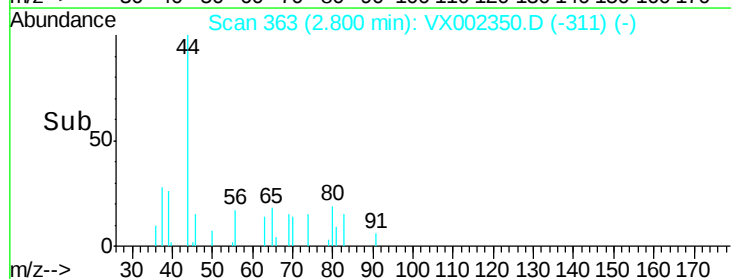
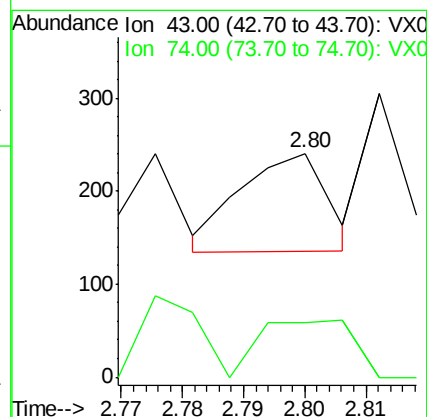
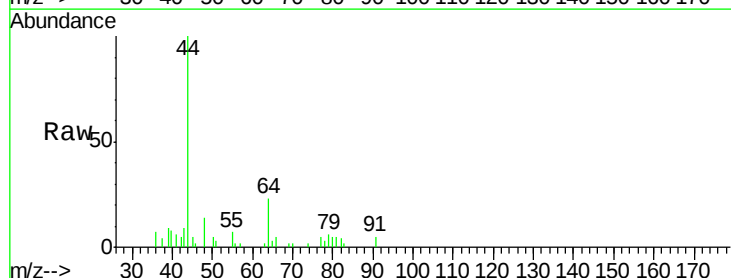
Acq: 06 Jun 2018 14:09

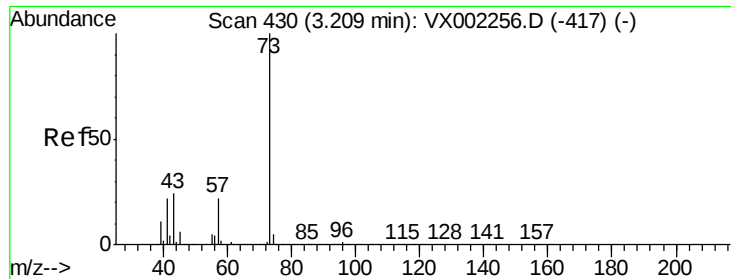
Tgt Ion: 43 Resp: 104

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#

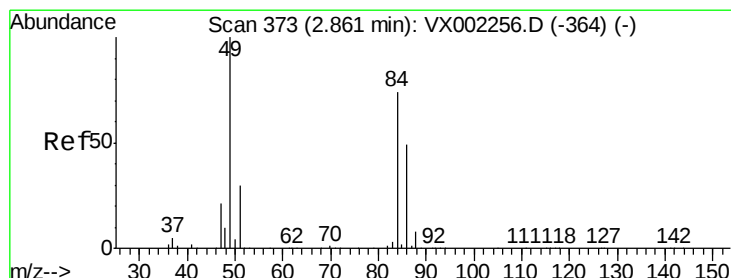
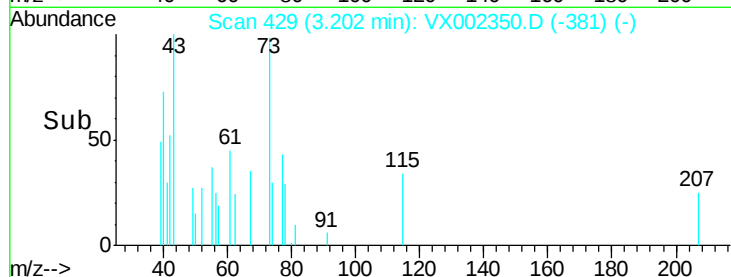
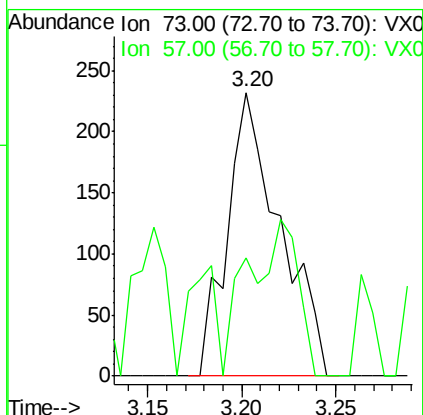
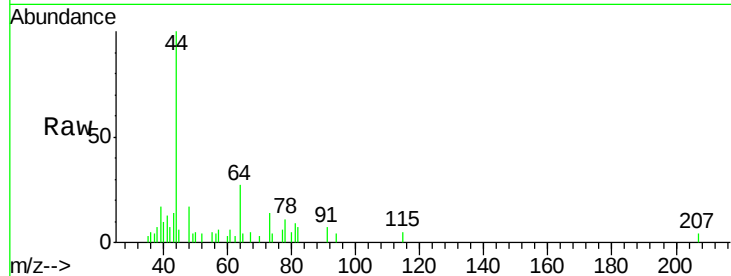




#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

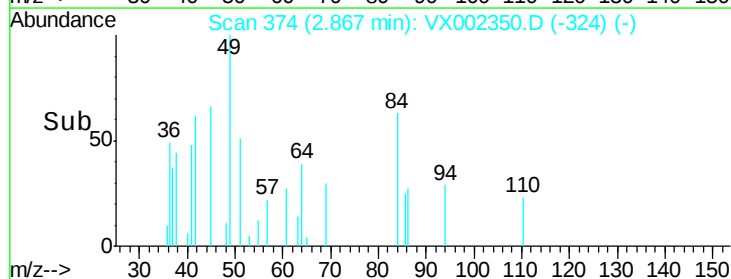
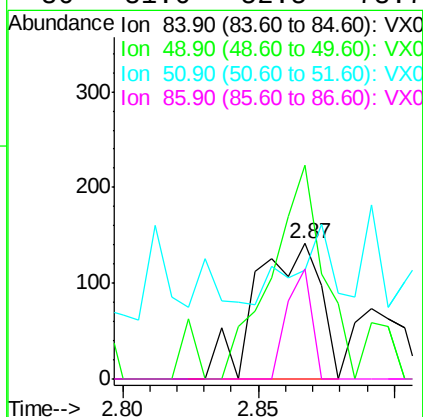
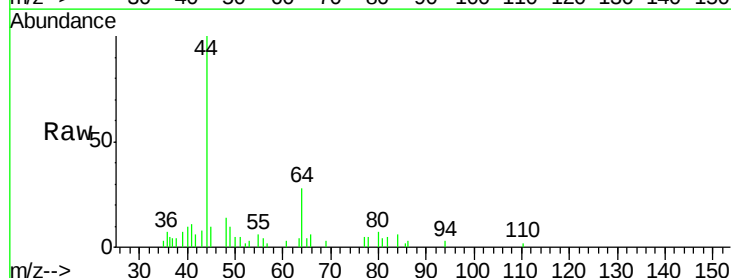
Instrument :
MSVOA_X
ClientSampleId :

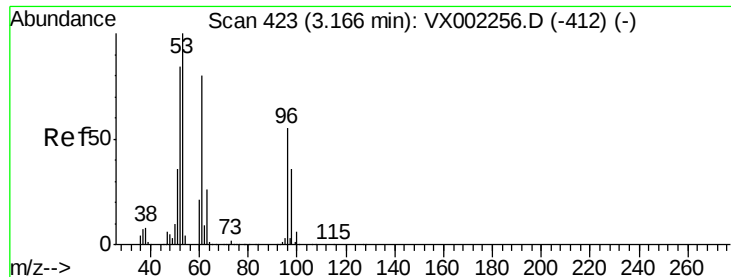
Tot Ion: 73 Resp: 450
Ion Ratio Lower Upper
73 100
57 41.8 17.7 26.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Tgt Ion: 84 Resp: 233
Ion Ratio Lower Upper
84 100
49 114.2 107.8 161.6
51 27.0 32.8 49.2#
86 81.6 52.5 78.7#





#21

trans-1,2-Dichloroethene

Concen: 0.39 ug/l

RT: 3.17 min Scan# 424

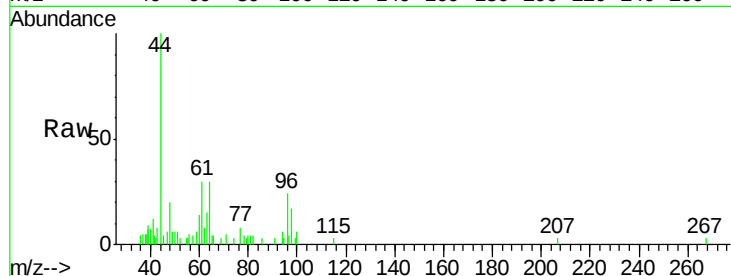
Delta R.T. 0.01 min

Lab File: VX002350.D

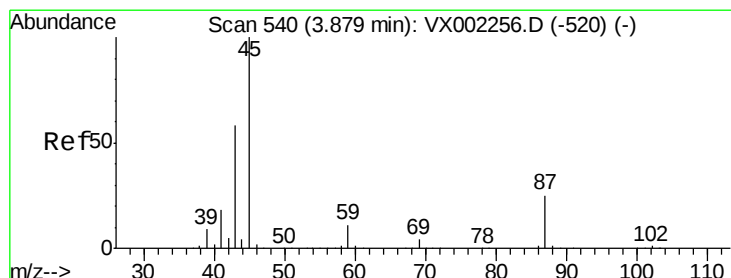
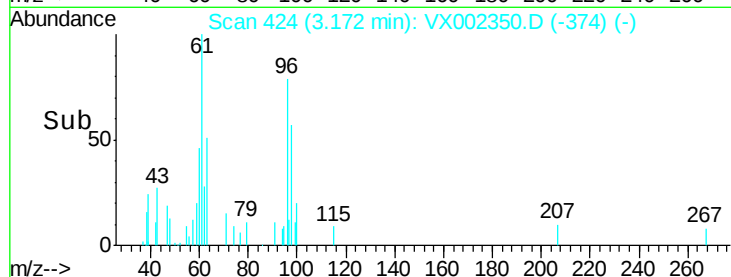
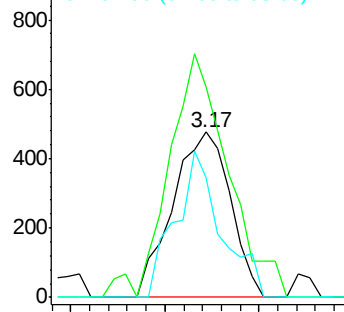
Acq: 06 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 1010
Ion Ratio Lower Upper
96 100
61 113.0 117.0 175.4#
98 72.5 52.4 78.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: Below Cal

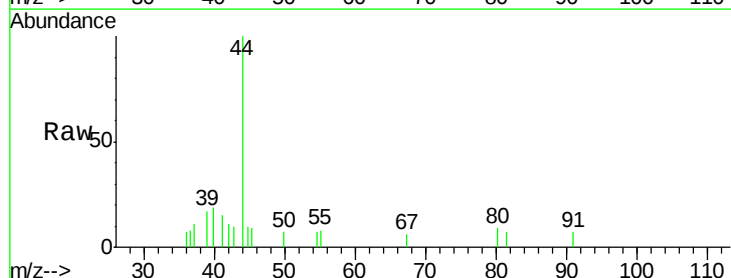
RT: 3.89 min Scan# 541

Delta R.T. 0.01 min

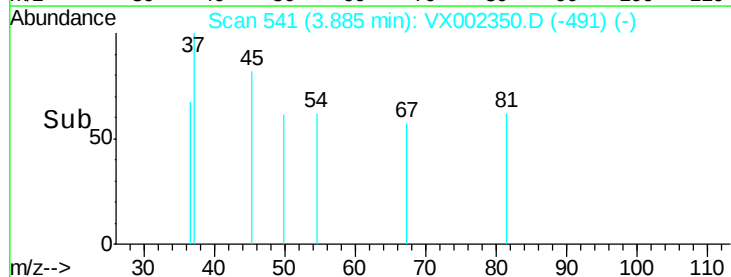
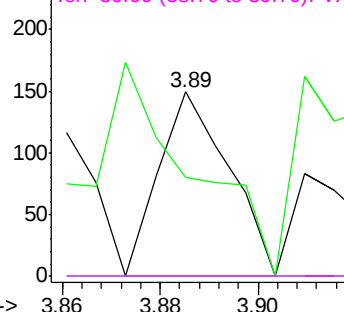
Lab File: VX002350.D

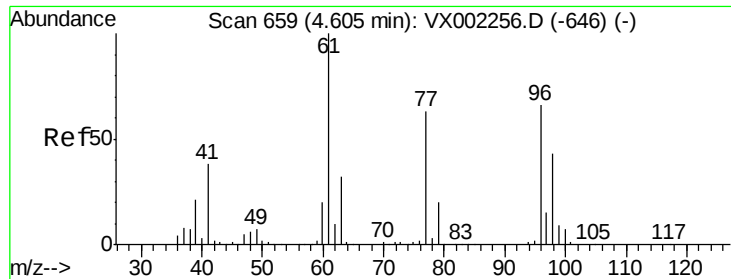
Acq: 06 Jun 2018 14:09

Tgt Ion: 45 Resp: 148
Ion Ratio Lower Upper
45 100
43 53.7 46.8 70.2
87 0.0 20.2 30.4#
59 0.0 8.7 13.1#



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 58.87 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampled :

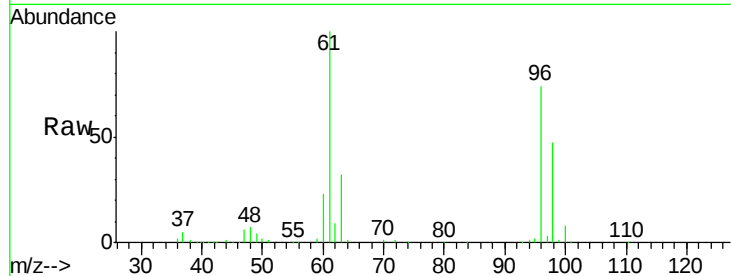
Tot Ion: 96 Resp: 167912

Ion Ratio Lower Upper

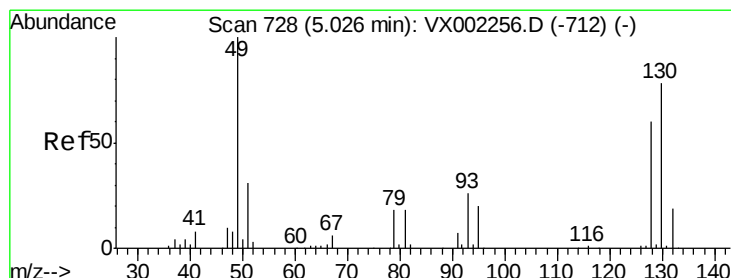
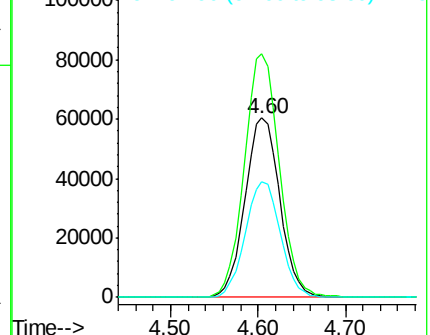
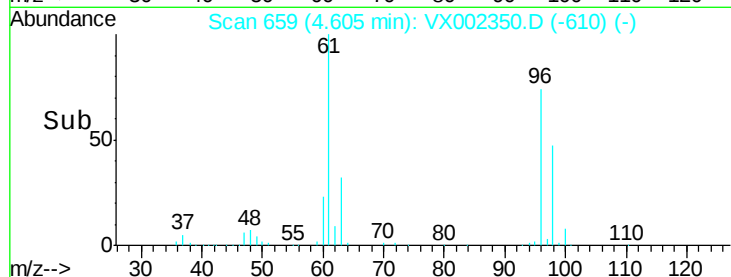
96 100

61 136.2 0.0 330.2

98 64.9 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

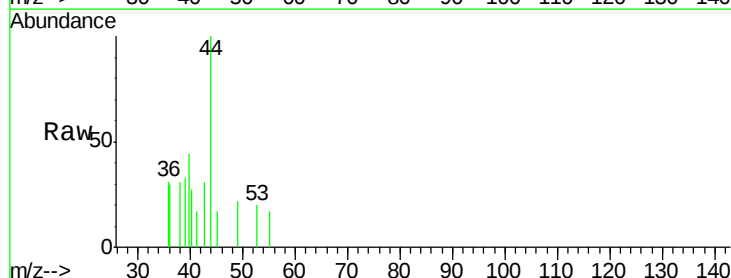
Tgt Ion: 49 Resp: 68

Ion Ratio Lower Upper

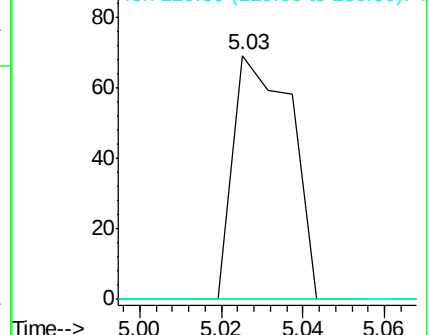
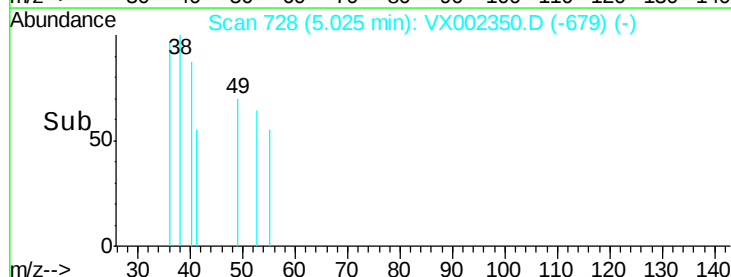
49 100

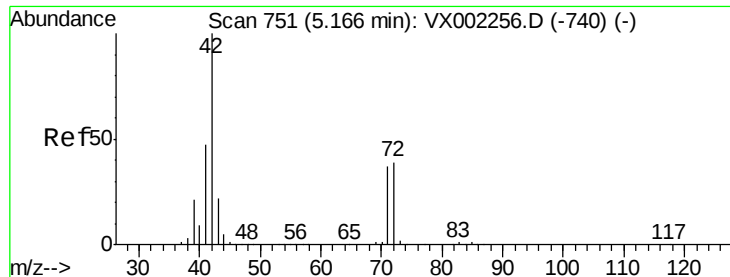
129 0.0 0.0 4.2

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

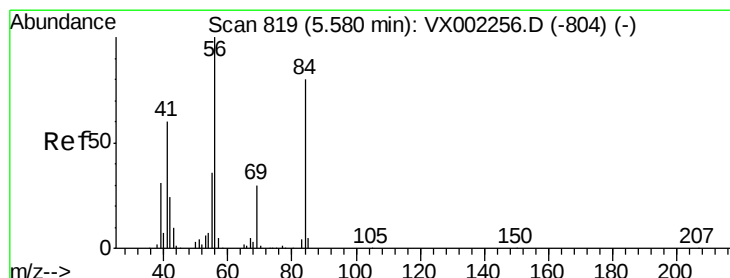
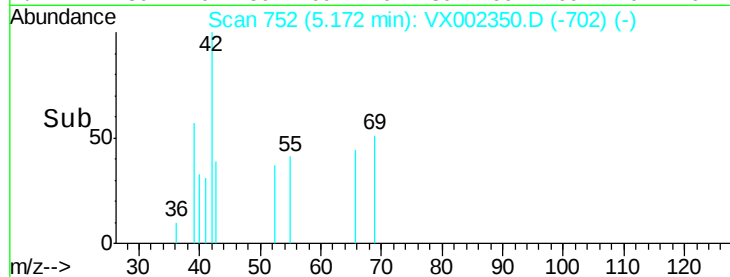
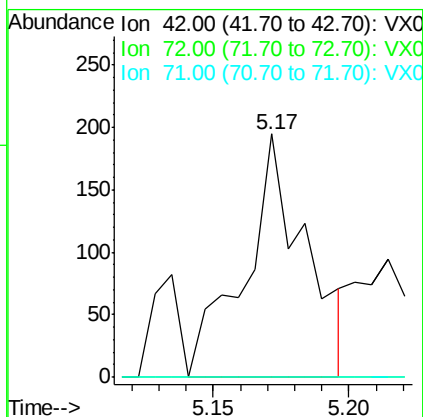
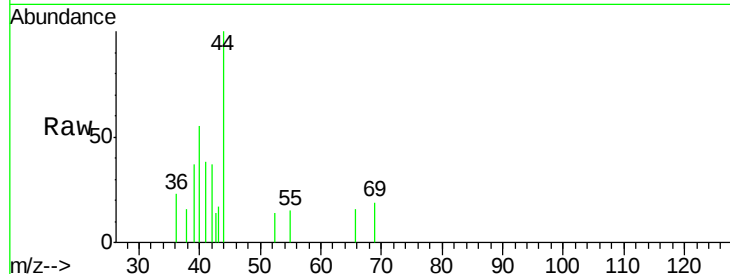




#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 5.17 min Scan# 752
Delta R.T. 0.01 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

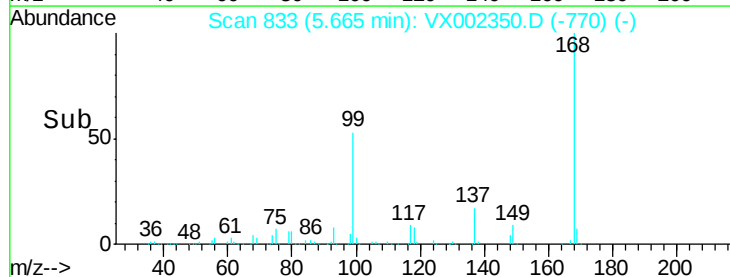
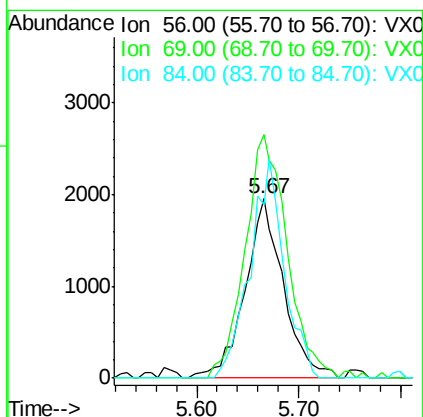
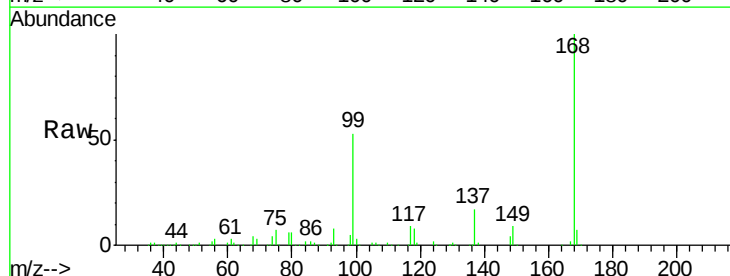
Instrument :
MSVOA_X
ClientSampled :

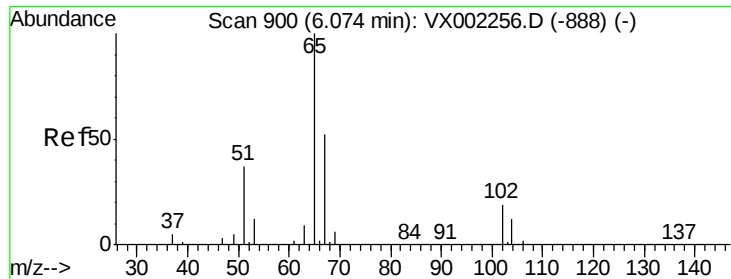
Tot Ion: 42 Resp: 302
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Tgt Ion: 56 Resp: 5127
Ion Ratio Lower Upper
56 100
69 135.7 23.7 35.5#
84 96.6 64.1 96.1#

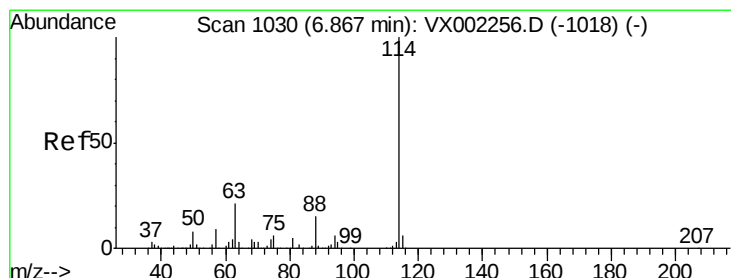
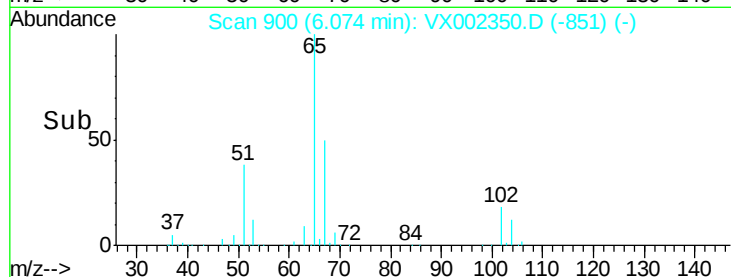
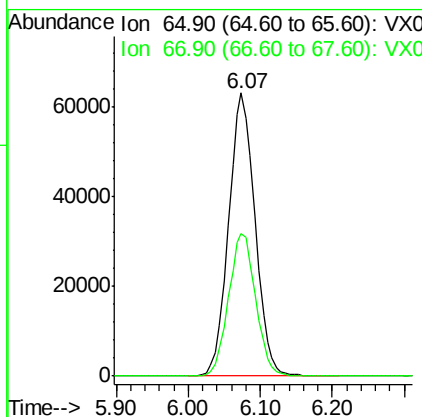
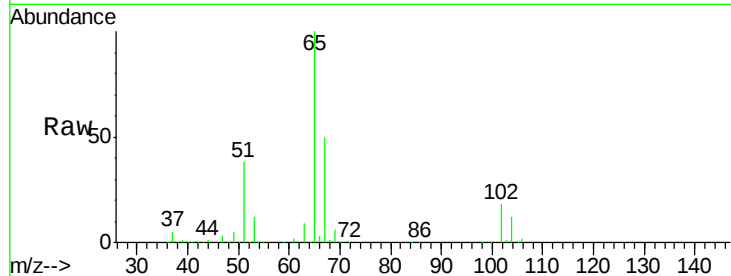




#33
 1,2-Dichloroethane-d4
 Concen: 50.38 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX002350.D
 Acq: 06 Jun 2018 14:09

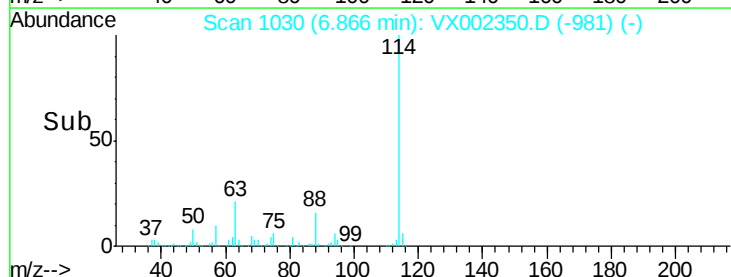
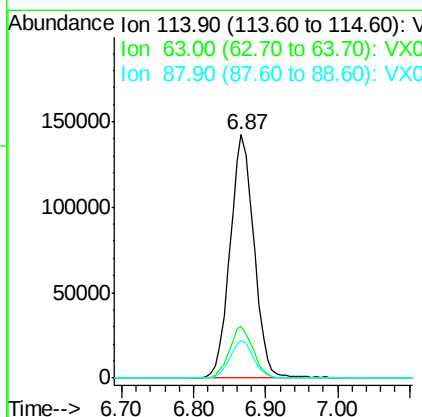
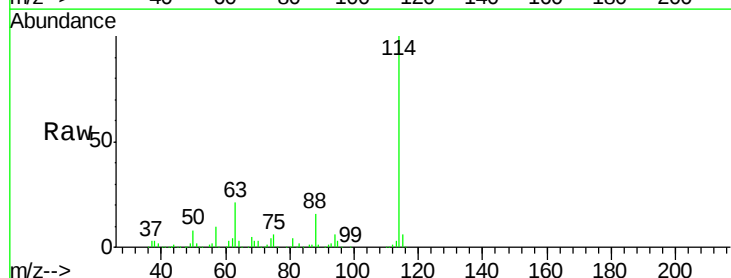
Instrument :
 MSVOA_X
 ClientSampleId :

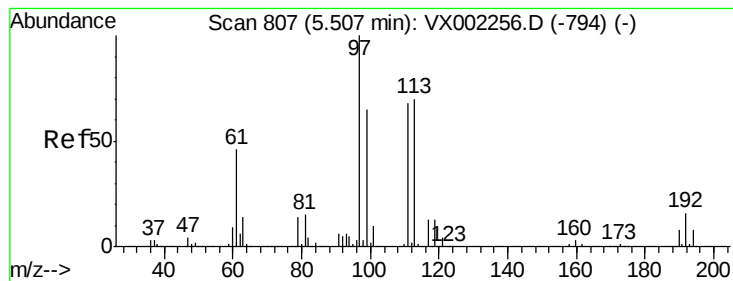
Tot Ion: 65 Resp: 160859
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002350.D
 Acq: 06 Jun 2018 14:09

Tgt Ion: 114 Resp: 329512
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 41.4
 88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.04 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

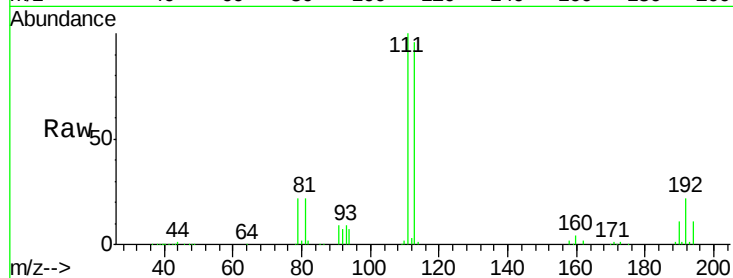
Tot Ion:113 Resp: 119294

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

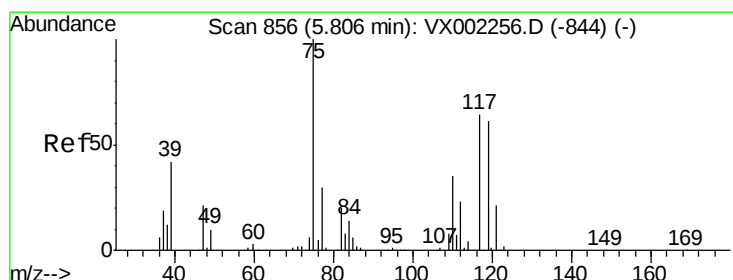
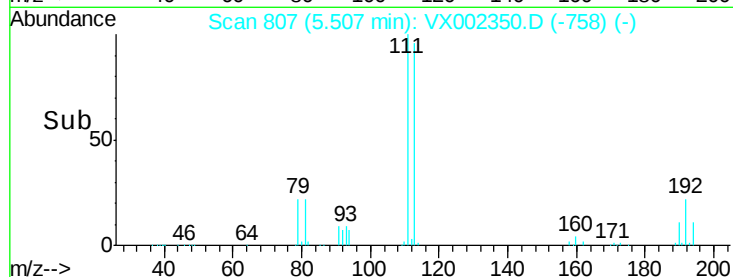
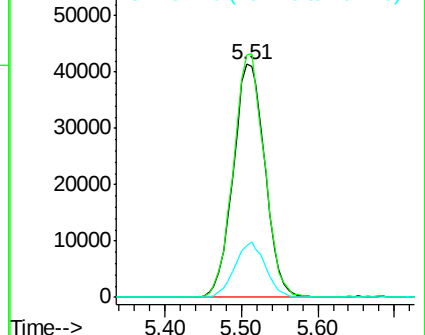
192 22.7 19.1 28.7



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: 4.58 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

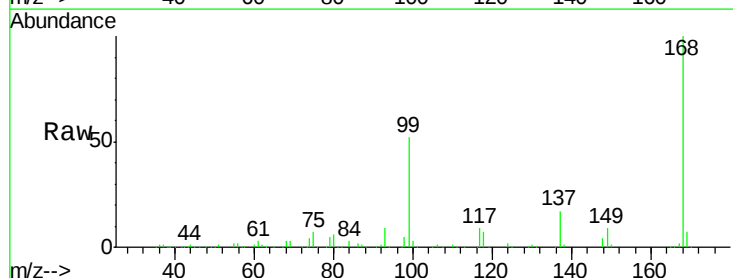
Tgt Ion: 75 Resp: 15852

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.4#

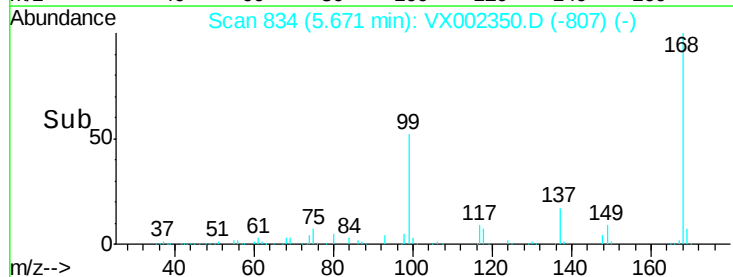
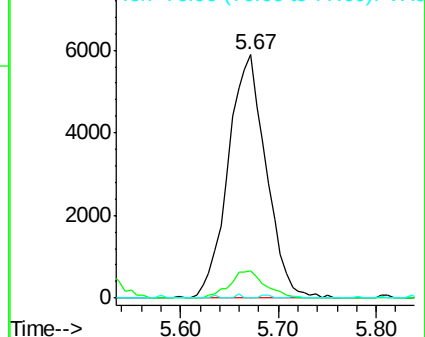
77 0.2 24.3 36.5#

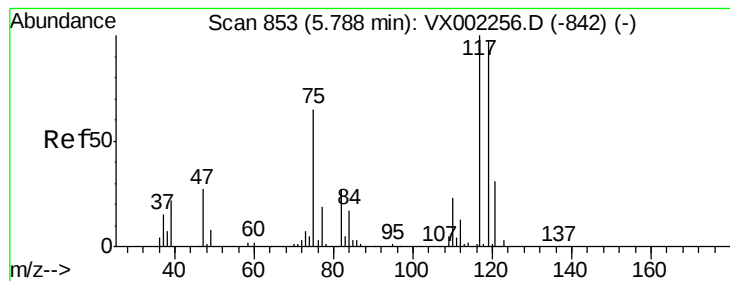


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.82 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampled :

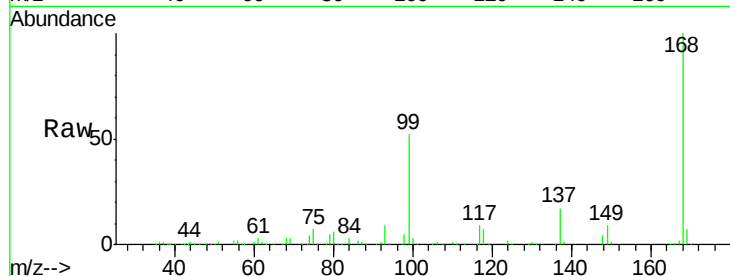
Tot Ion:117 Resp: 21096

Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.0#

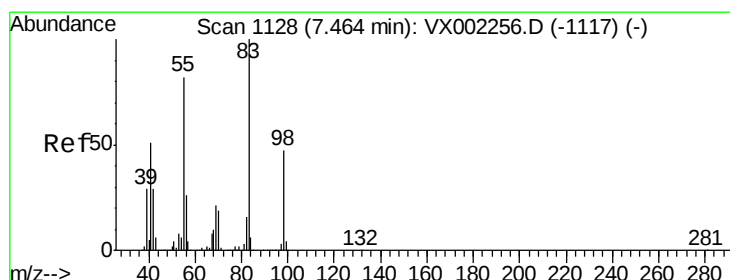
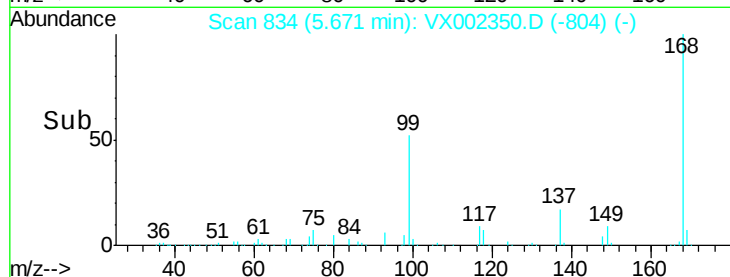
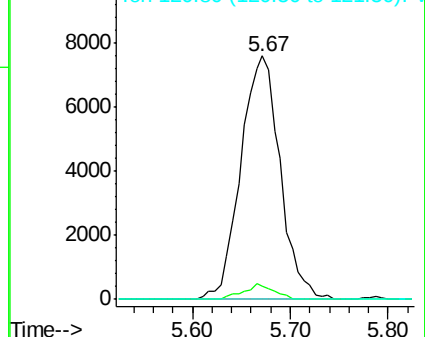
121 0.0 24.4 36.6#



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

Methylcyclohexane

Concen: 0.28 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

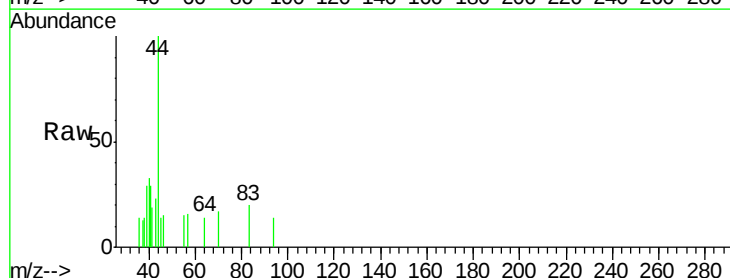
Tgt Ion: 83 Resp: 86

Ion Ratio Lower Upper

83 100

55 8.3 65.4 98.0#

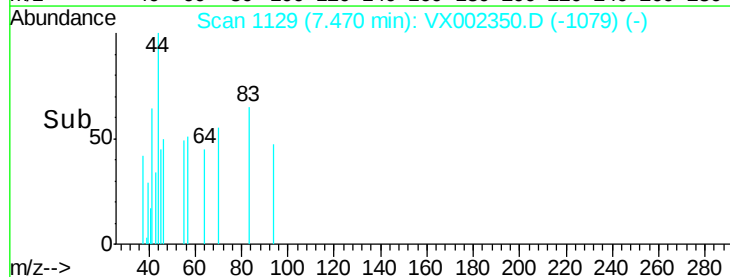
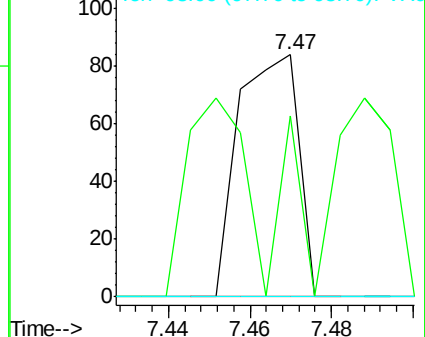
98 0.0 37.4 56.0#

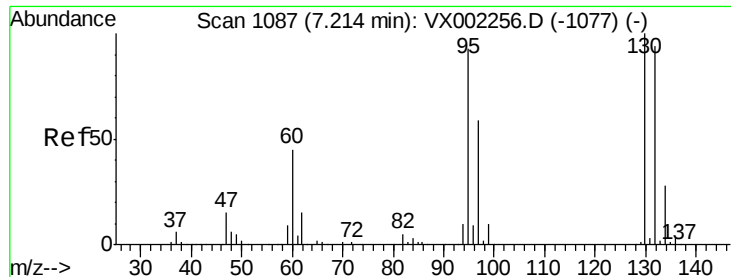


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#44

Trichloroethene

Concen: 0.58 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

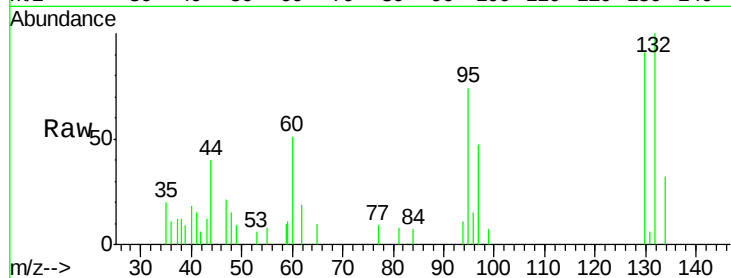
ClientSampled :

Tot Ion:130 Resp: 1714

Ion Ratio Lower Upper

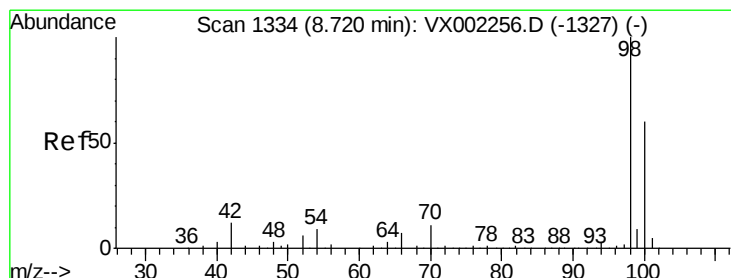
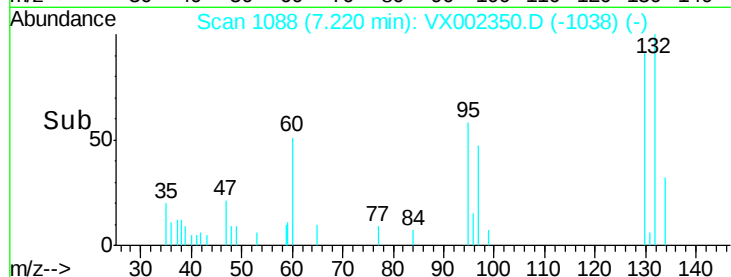
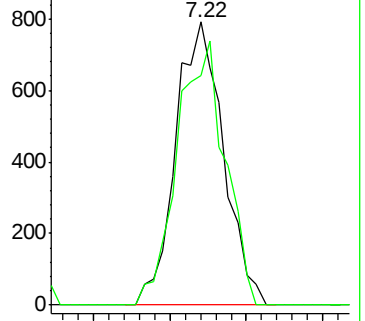
130 100

95 81.3 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 47.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX002350.D

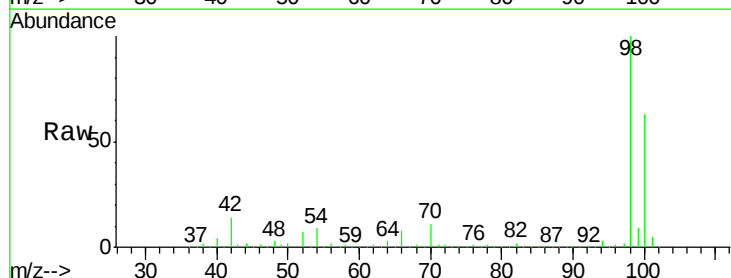
Acq: 06 Jun 2018 14:09

Tgt Ion: 98 Resp: 476011

Ion Ratio Lower Upper

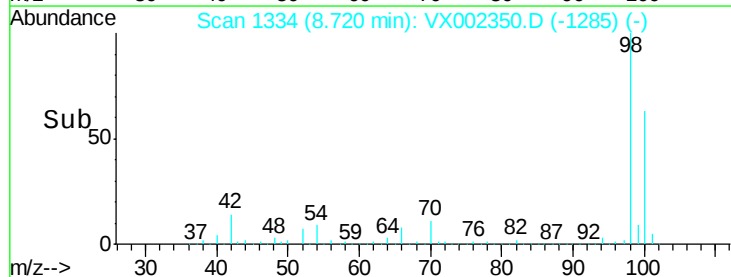
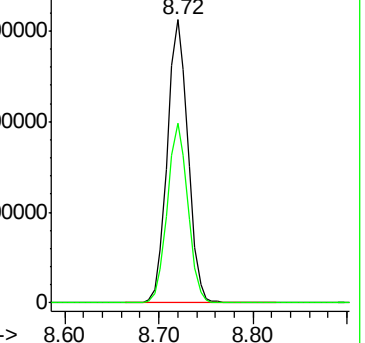
98 100

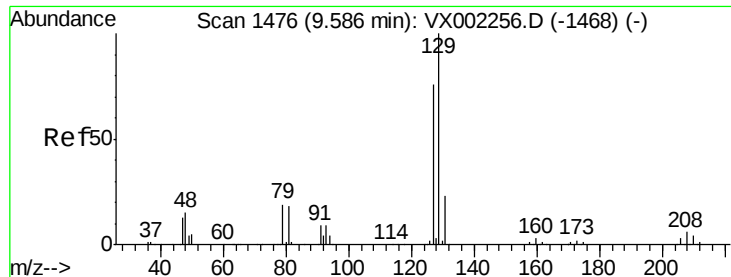
100 63.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

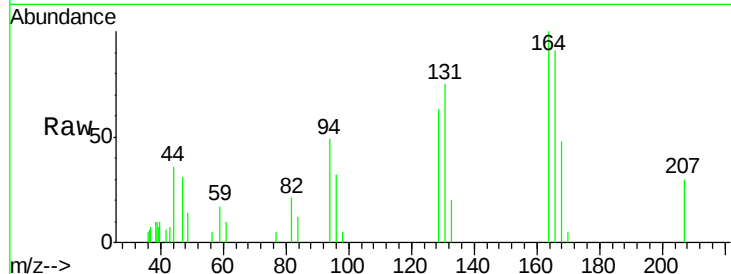




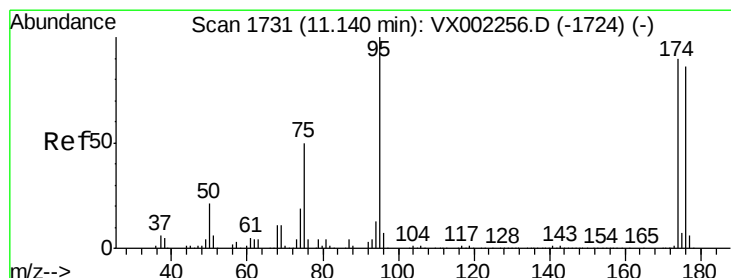
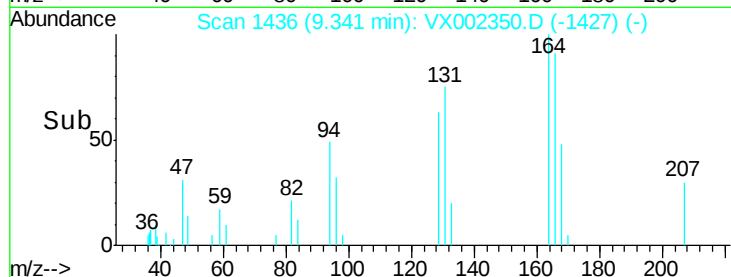
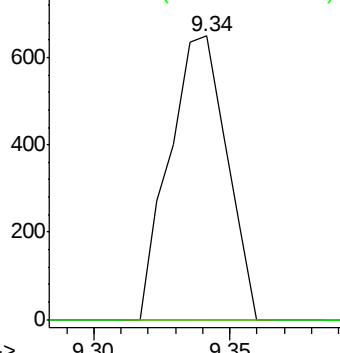
#60
Dibromochloromethane
Concen: 0.34 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.24 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 948
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

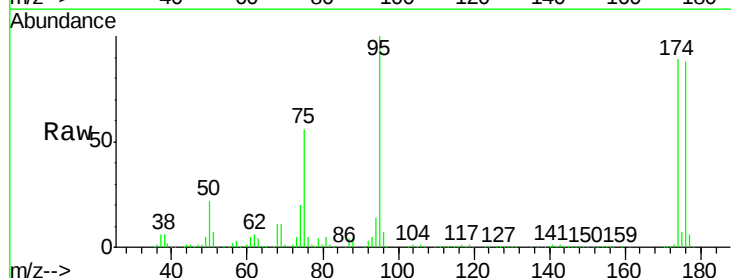


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

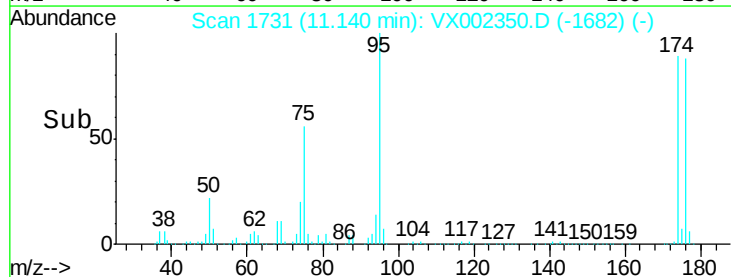
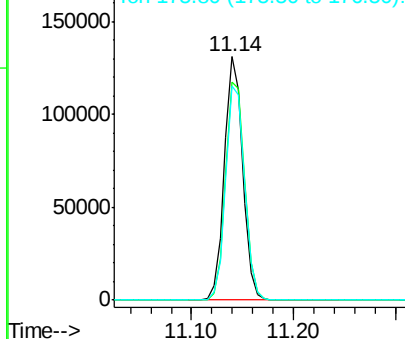


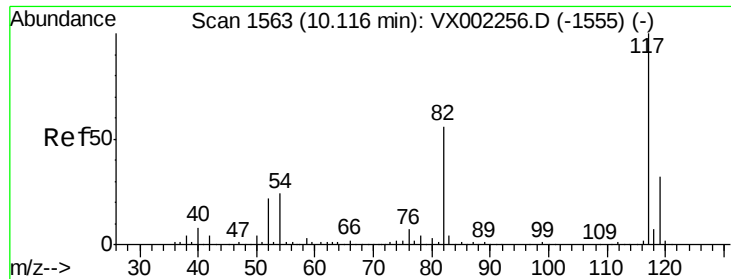
#62
4-Bromofluorobenzene
Concen: 42.59 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Tgt Ion: 95 Resp: 163105
Ion Ratio Lower Upper
95 100
174 93.5 0.0 187.4
176 90.8 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

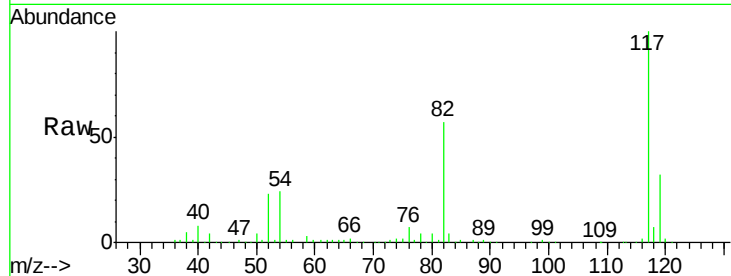




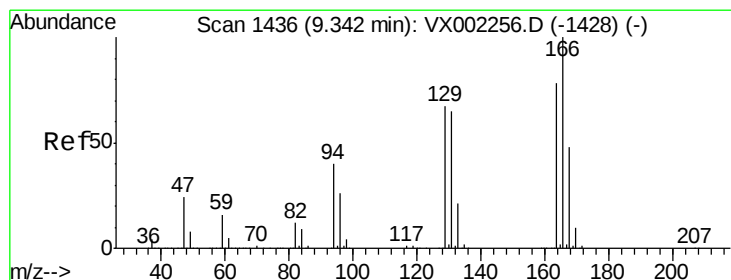
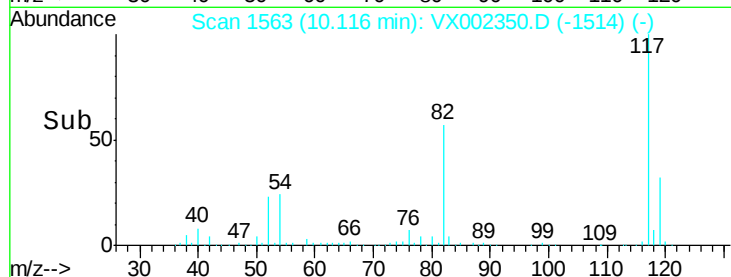
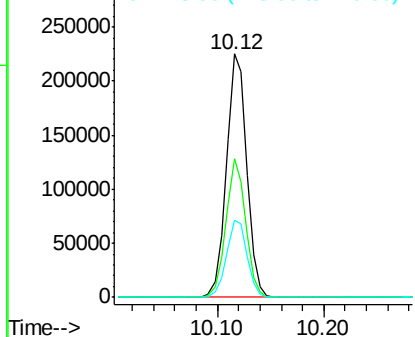
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 300577
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 31.6 25.8 38.6

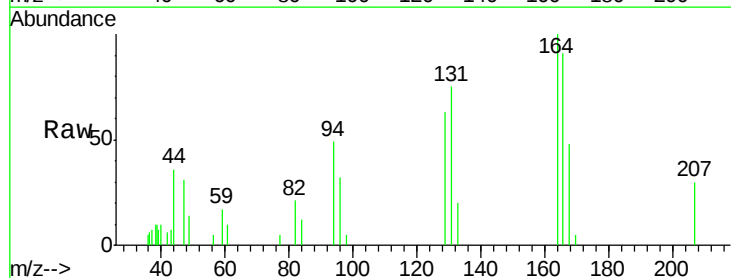


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

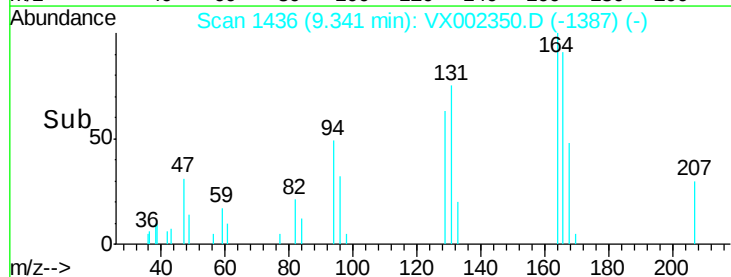
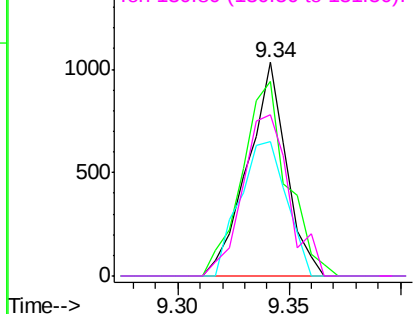


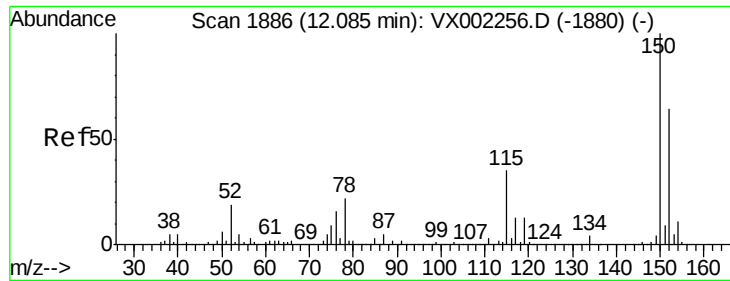
#64
Tetrachloroethene
Concen: 0.40 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. -0.00 min
Lab File: VX002350.D
Acq: 06 Jun 2018 14:09

Tgt Ion:164 Resp: 1252
Ion Ratio Lower Upper
164 100
166 91.1 102.9 154.3#
129 62.8 68.6 102.8#
131 75.3 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: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

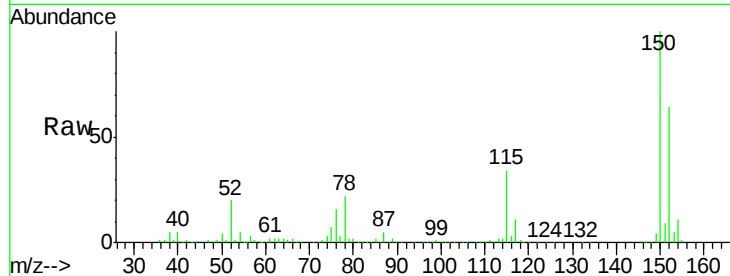
Tot Ion:152 Resp: 164806

Ion Ratio Lower Upper

152 100

115 55.8 40.1 120.2

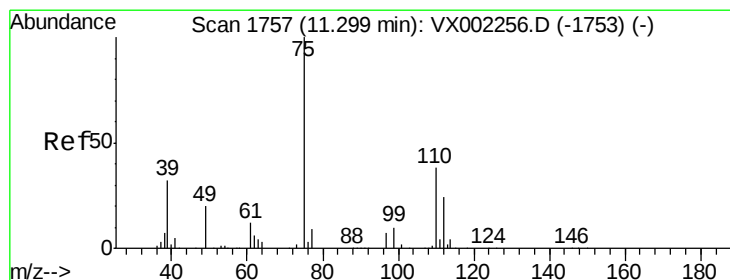
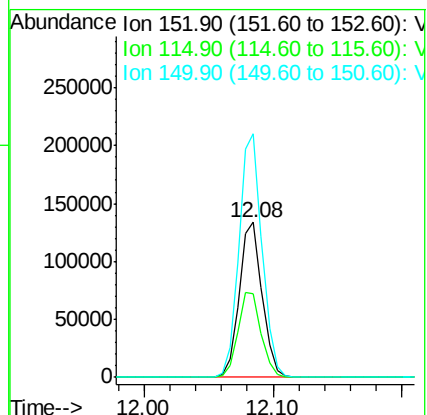
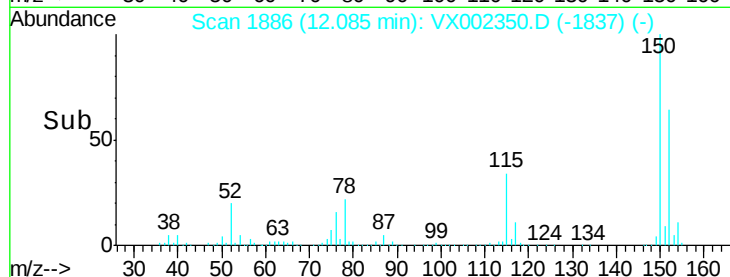
150 158.0 0.0 347.2



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: 24.46 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002350.D

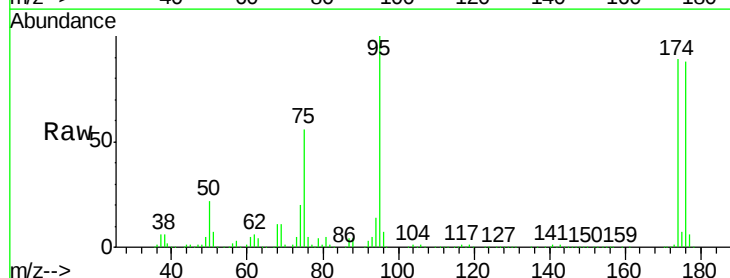
Acq: 06 Jun 2018 14:09

Tgt Ion: 75 Resp: 88463

Ion Ratio Lower Upper

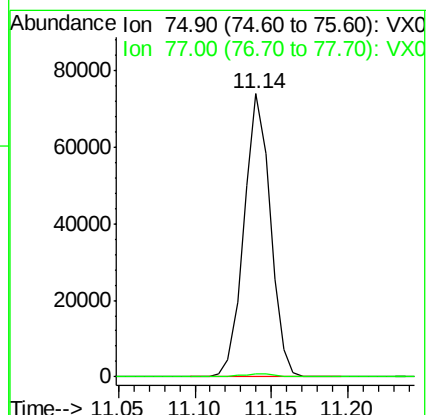
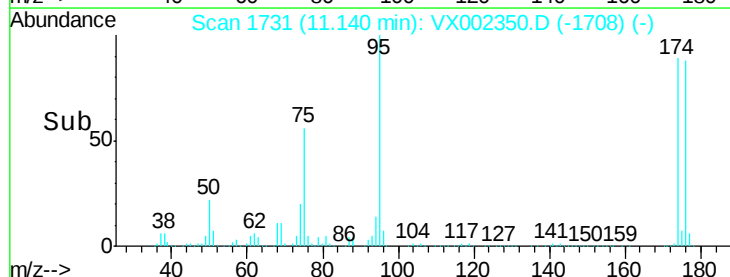
75 100

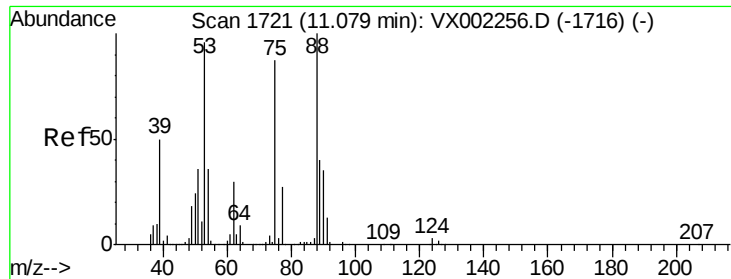
77 1.3 22.8 68.3#



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: 85.75 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002350.D

Acq: 06 Jun 2018 14:09

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 88463

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#

