

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061218\
 Data File : VX002459.D
 Acq On : 12 Jun 2018 11:37
 Operator : JC/MD
 Sample : VX0612WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBL01

Quant Time: Jun 12 11:55:08 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	212801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	318362	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	288931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	152749	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	175151	58.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.24%	
35) Dibromofluoromethane	5.51	113	131419	52.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.98%	
50) Toluene-d8	8.72	98	514920	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
62) 4-Bromofluorobenzene	11.14	95	175678	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	

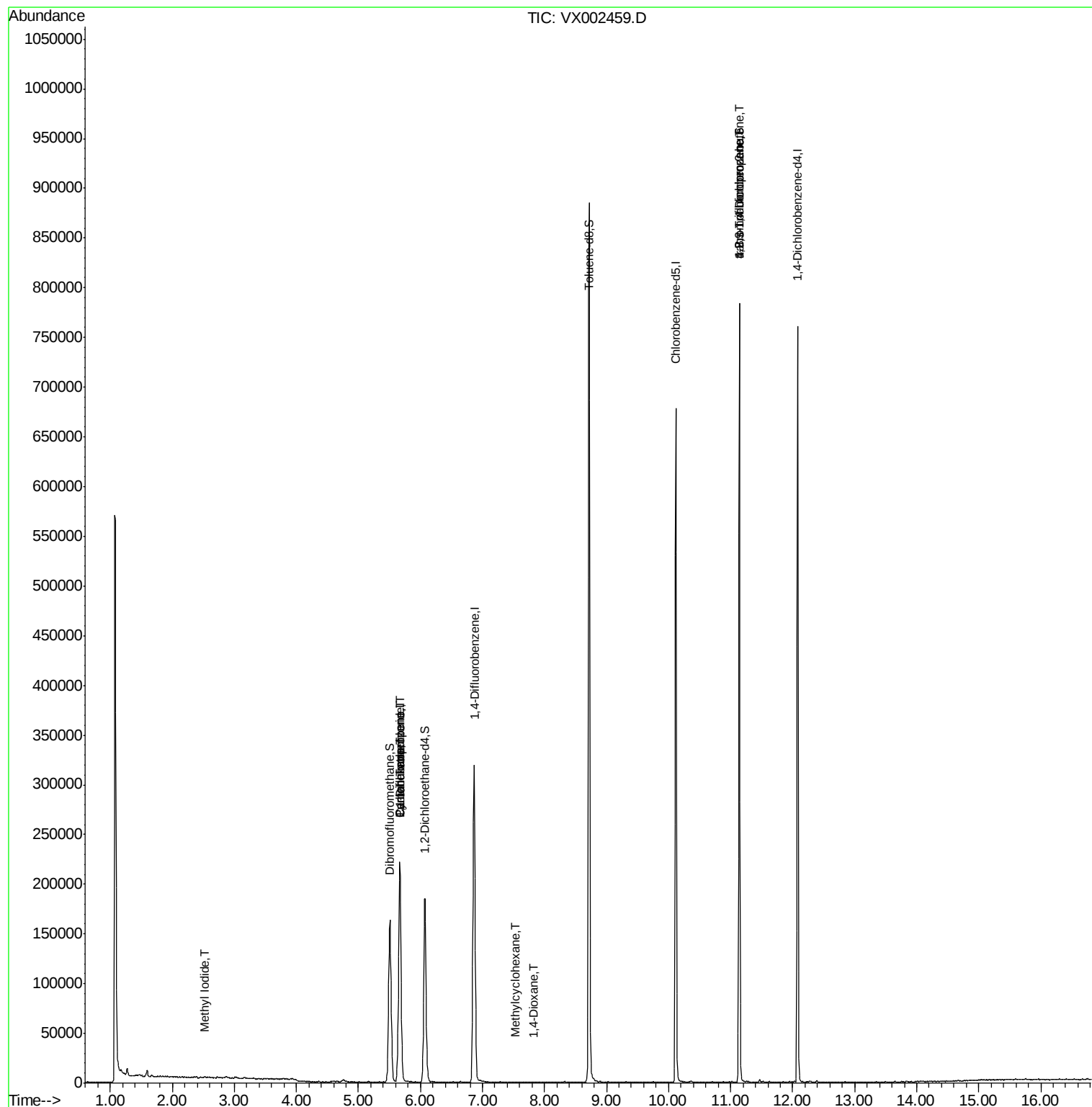
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	534	Below Cal	#	53
5) Bromomethane	1.66	94	959	Below Cal	#	76
8) Diethyl Ether	2.25	74	22	Below Cal	#	1
10) Methyl Iodide	2.53	142	1032	0.32	ug/l	86
11) Tert butyl alcohol	3.12	59	41	Below Cal	#	1
13) Acrolein	2.31	56	233	Below Cal	#	14
15) Acrylonitrile	3.16	53	321	Below Cal	#	51
16) Acetone	2.44	43	524	Below Cal	#	80
18) Methyl Acetate	2.78	43	213	Below Cal	#	97
19) Methyl tert-butyl Ether	3.21	73	19	Below Cal	#	54
20) Methylene Chloride	2.86	84	633	Below Cal	#	56
22) Diisopropyl ether	3.85	45	83	Below Cal	#	35
28) Bromochloromethane	5.02	49	142	Below Cal	#	13
31) Cyclohexane	5.66	56	4953	1.29	ug/l	28
36) 1,1-Dichloropropene	5.67	75	15632	4.67	ug/l	50
38) Carbon Tetrachloride	5.67	117	19975	5.70	ug/l	15
39) Methylcyclohexane	7.53	83	20	0.27	ug/l	16
49) 1,4-Dioxane	7.82	88	19	0.30	ug/l	1
76) 1,2,3-Trichloropropane	11.14	75	96799	28.88	ug/l	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96799	101.24	ug/l	7

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

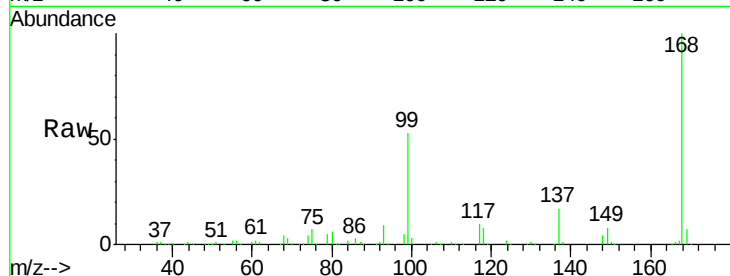
VX0612WBL01

Tgt Ion:168 Resp: 212801

Ion Ratio Lower Upper

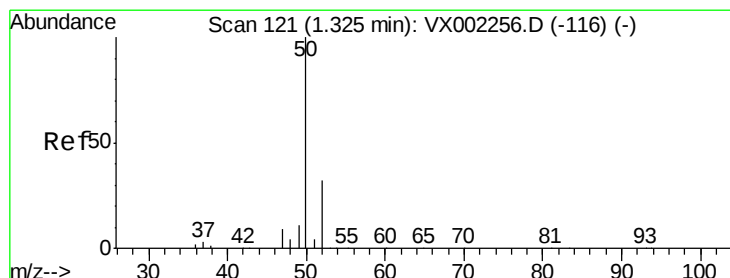
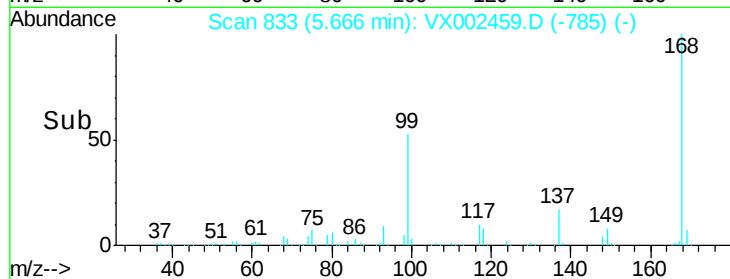
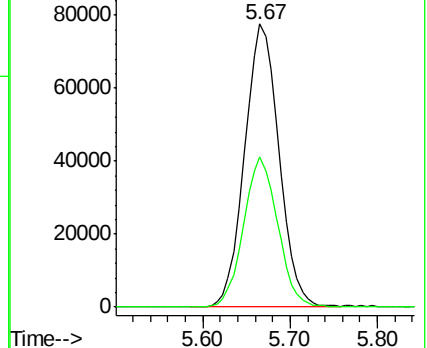
168 100

99 52.9 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: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002459.D

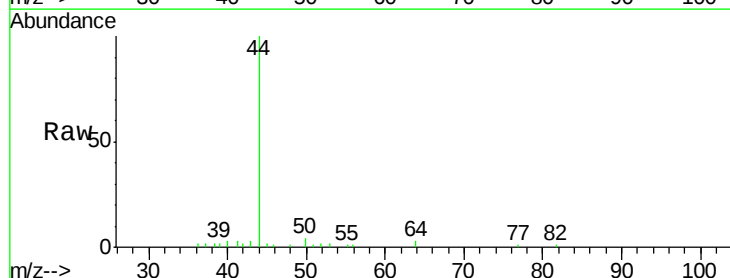
Acq: 12 Jun 2018 11:37

Tgt Ion: 50 Resp: 534

Ion Ratio Lower Upper

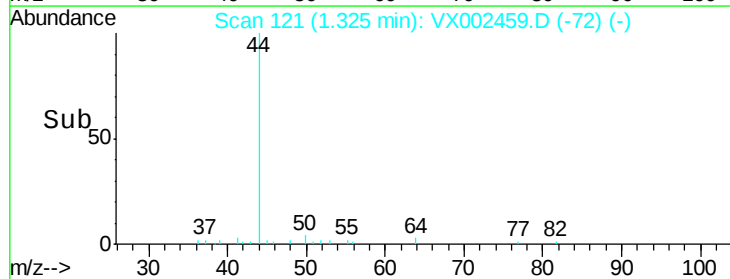
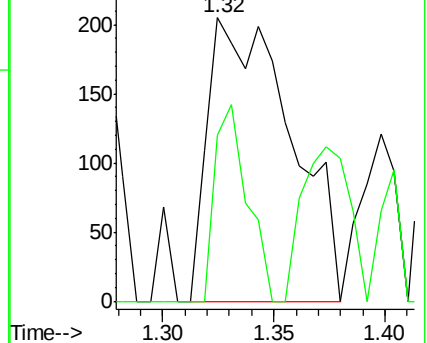
50 100

52 58.5 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: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

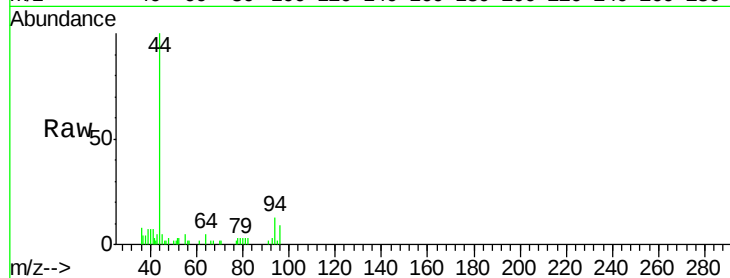
VX0612WBL01

Tgt Ion: 94 Resp: 959

Ion Ratio Lower Upper

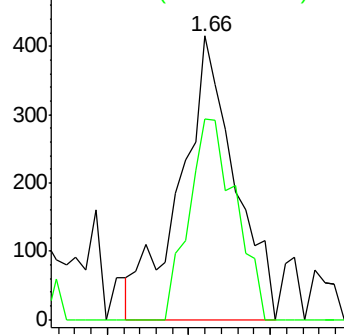
94 100

96 70.6 74.9 112.3#

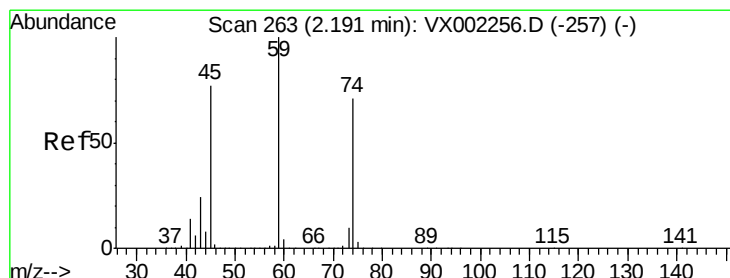
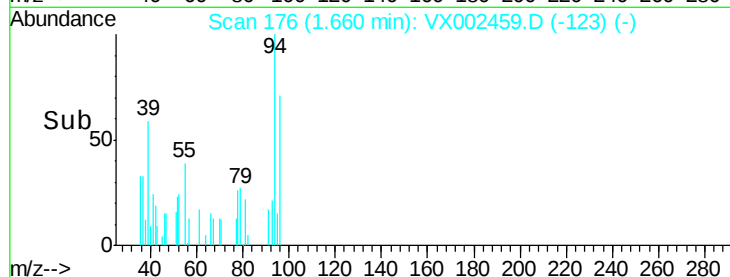


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#8

Diethyl Ether

Concen: Below Cal

RT: 2.25 min Scan# 273

Delta R.T. 0.06 min

Lab File: VX002459.D

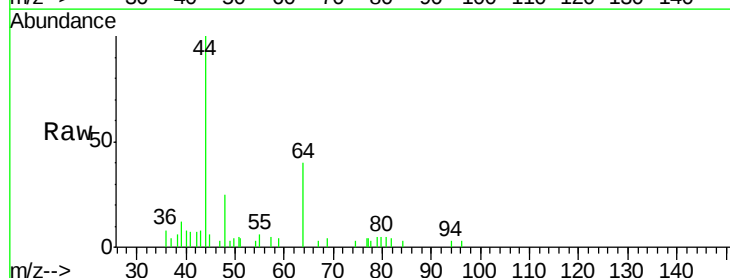
Acq: 12 Jun 2018 11:37

Tgt Ion: 74 Resp: 22

Ion Ratio Lower Upper

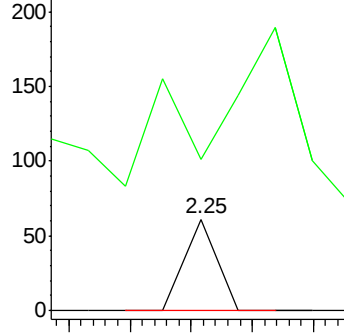
74 100

45 1445.5 53.1 159.4#

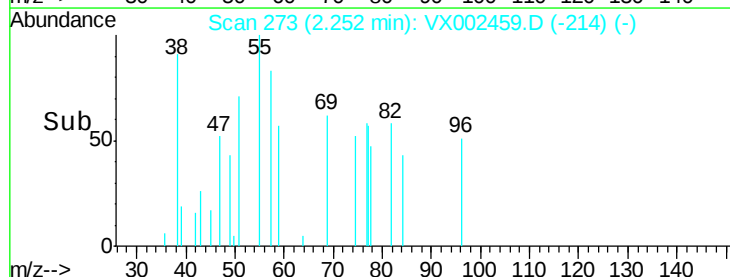


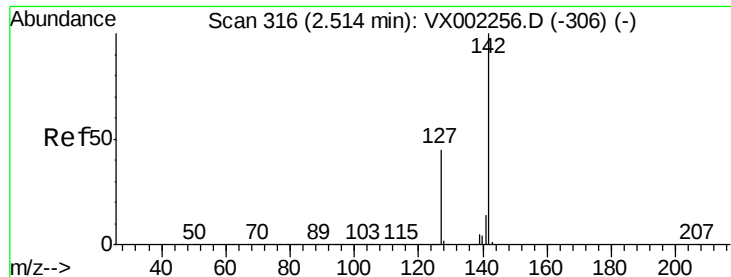
Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



Time-->

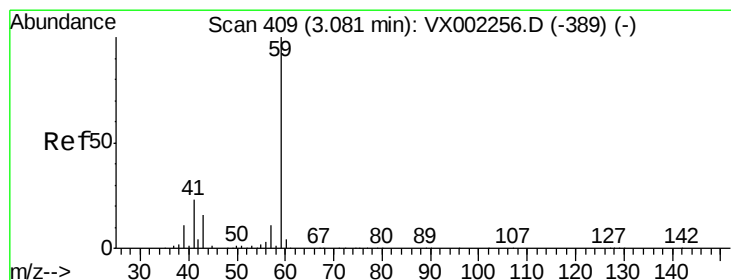
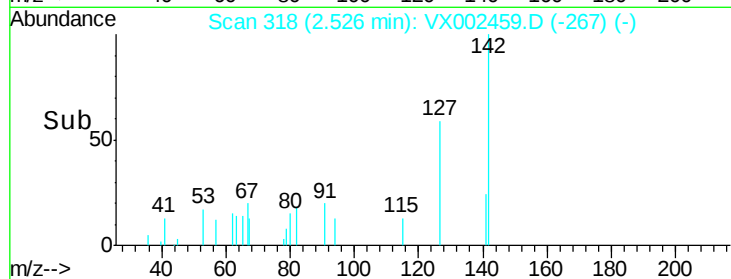
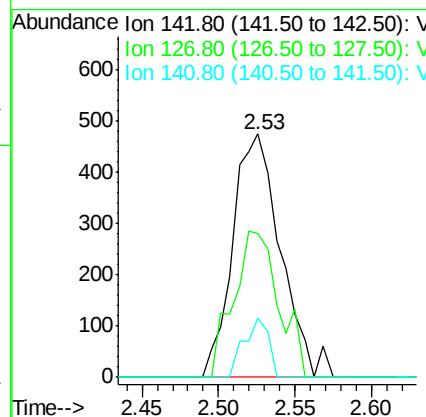
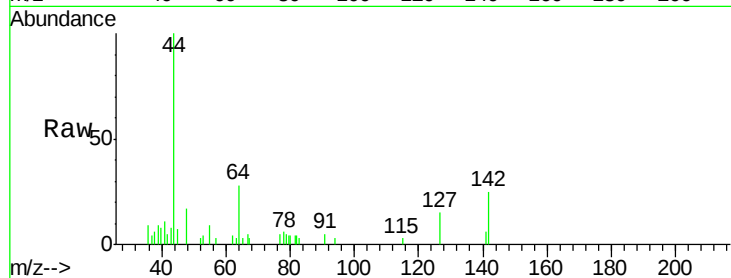




#10
Methyl Iodide
Concen: 0.32 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

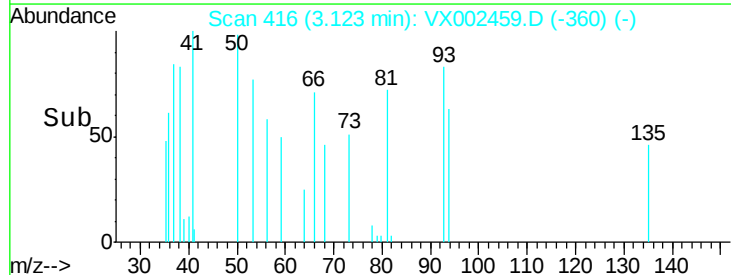
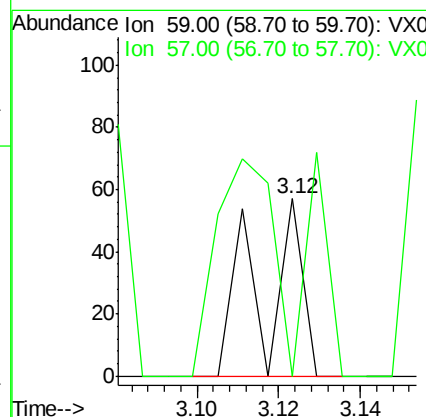
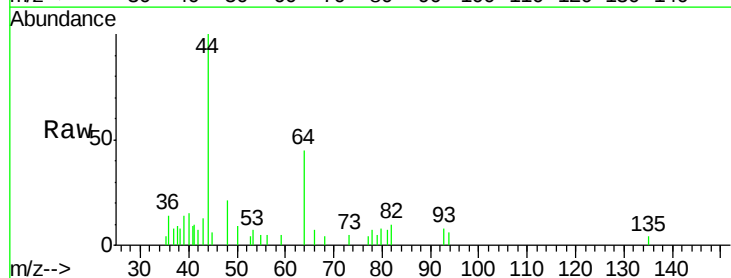
Instrument :
MSVOA_X
ClientSampled :
VX0612WBL01

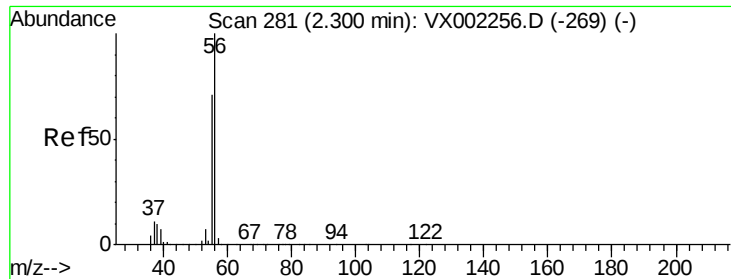
Tgt Ion: 142 Resp: 1032
Ion Ratio Lower Upper
142 100
127 56.9 36.6 55.0#
141 12.3 11.3 16.9



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.12 min Scan# 416
Delta R.T. 0.04 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

Tgt Ion: 59 Resp: 41
Ion Ratio Lower Upper
59 100
57 163.4 8.2 12.2#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 283

Delta R.T. 0.01 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

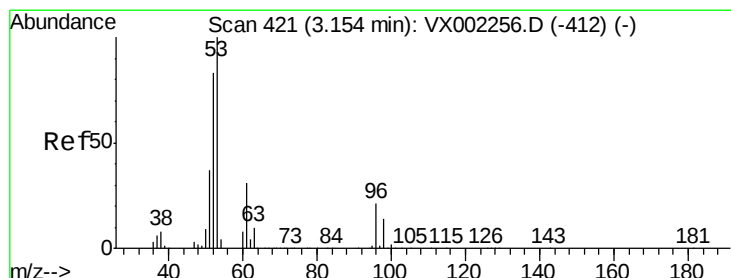
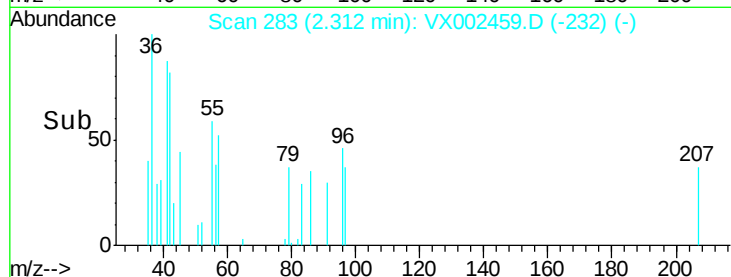
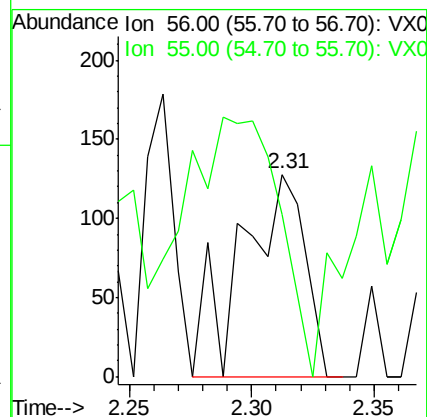
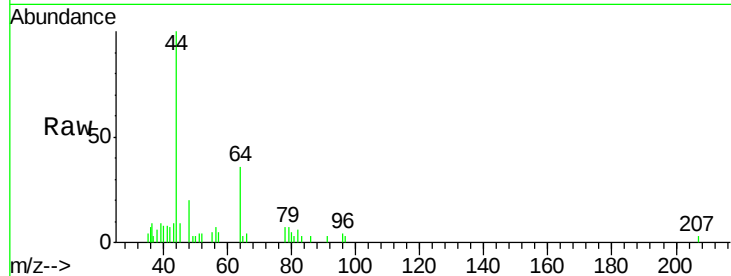
VX0612WBL01

Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

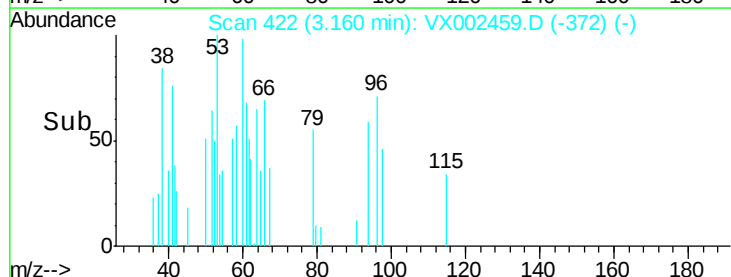
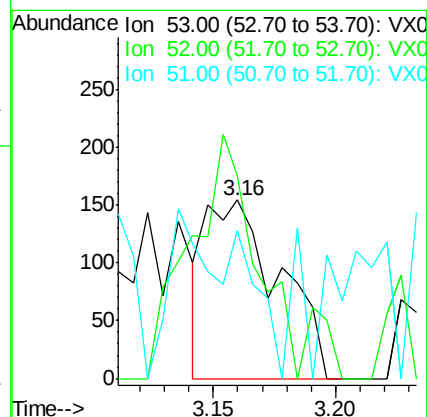
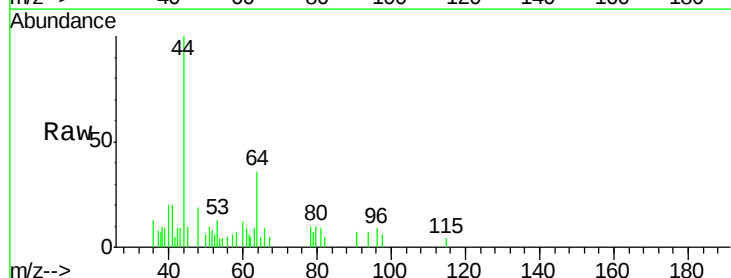
Tgt Ion: 53 Resp: 321

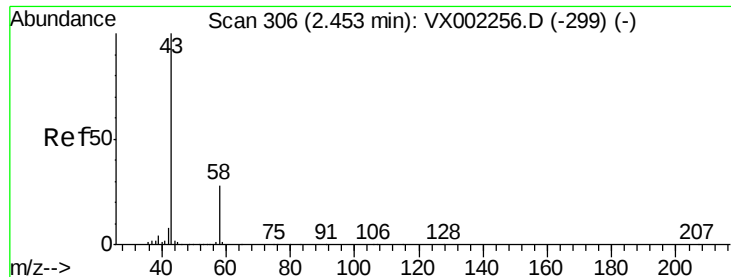
Ion Ratio Lower Upper

53 100

52 121.8 66.7 100.1#

51 0.0 29.9 44.9#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 304

Delta R.T. -0.01 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

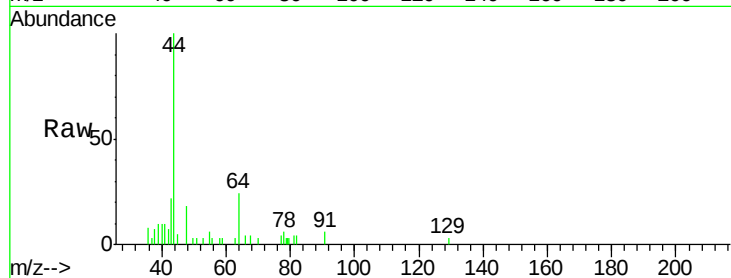
VX0612WBL01

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

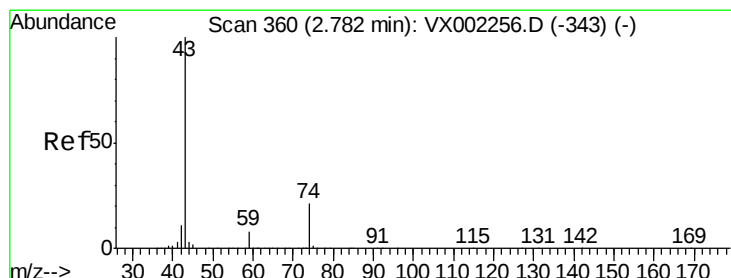
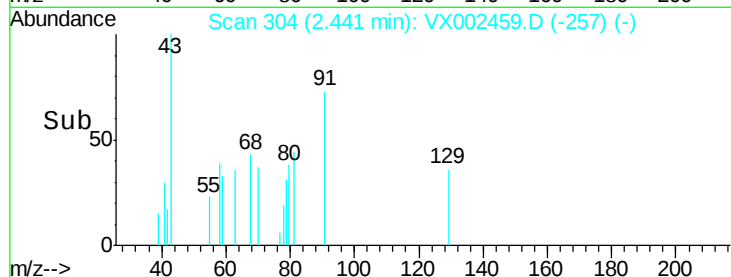
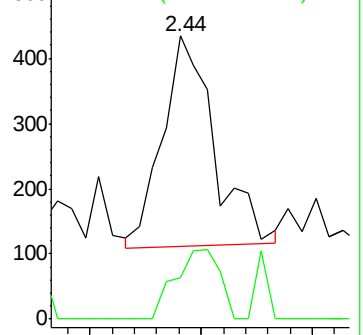
43 100

58 37.9 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: 2.78 min Scan# 359

Delta R.T. -0.01 min

Lab File: VX002459.D

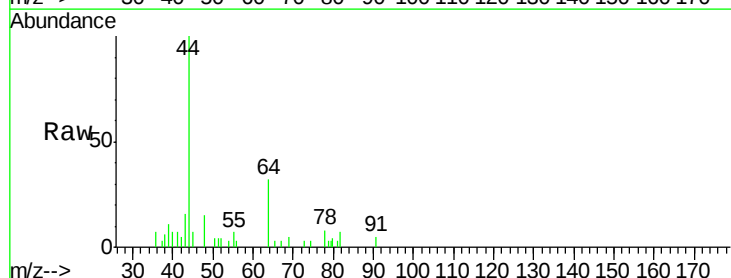
Acq: 12 Jun 2018 11:37

Tgt Ion: 43 Resp: 213

Ion Ratio Lower Upper

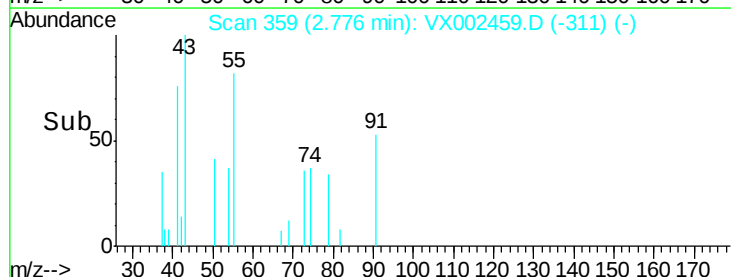
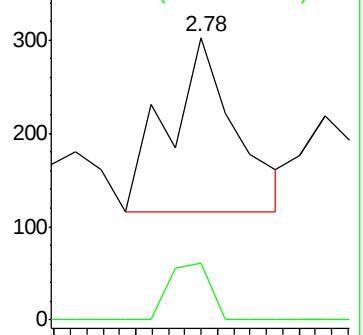
43 100

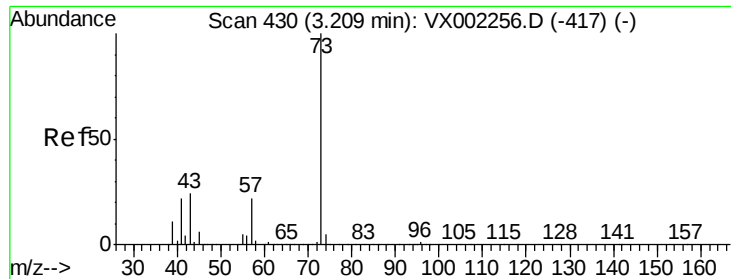
74 19.7 16.7 25.1



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: 3.21 min Scan# 430

Delta R.T. 0.00 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

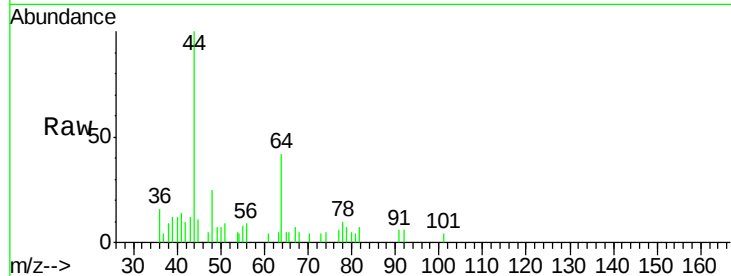
VX0612WBL01

Tgt Ion: 73 Resp: 19

Ion Ratio Lower Upper

73 100

57 0.0 17.7 26.5#

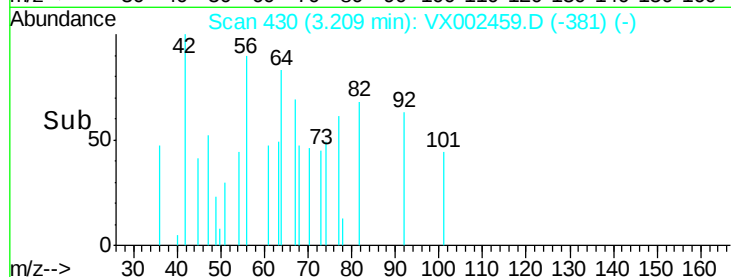


Abundance Ion 73.00 (72.70 to 73.70): VX0

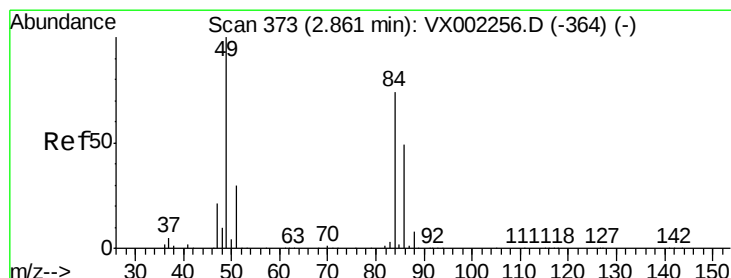
Ion 57.00 (56.70 to 57.70): VX0

3.21

Time-->



Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Tgt Ion: 84 Resp: 633

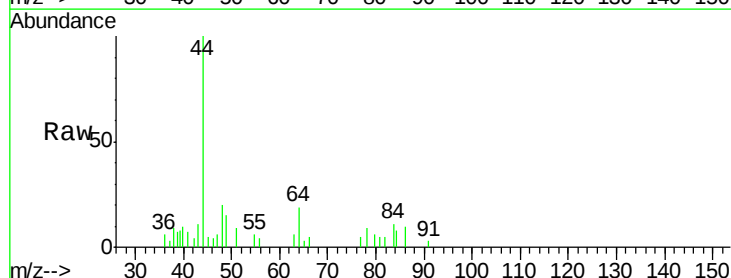
Ion Ratio Lower Upper

84 100

49 60.4 107.8 161.6#

51 21.7 32.8 49.2#

86 54.3 52.5 78.7



Abundance Ion 83.90 (83.60 to 84.60): VX0

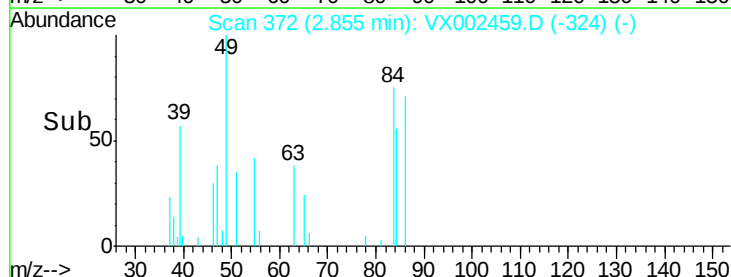
Ion 48.90 (48.60 to 49.60): VX0

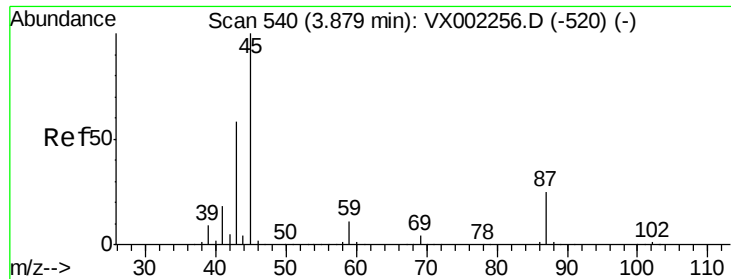
Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

2.86

Time-->



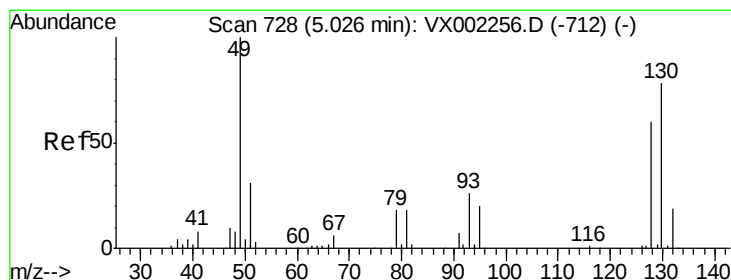
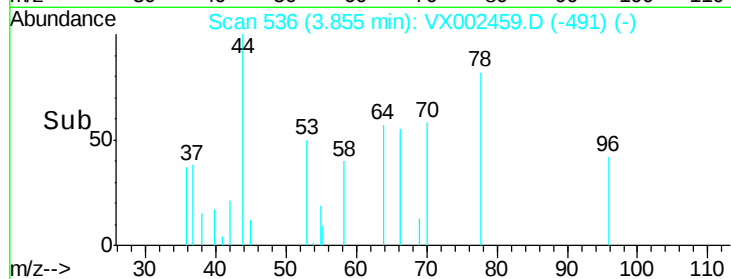
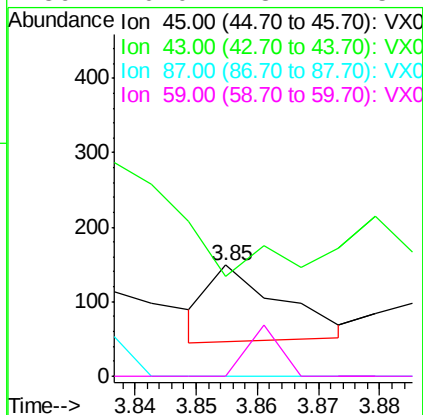
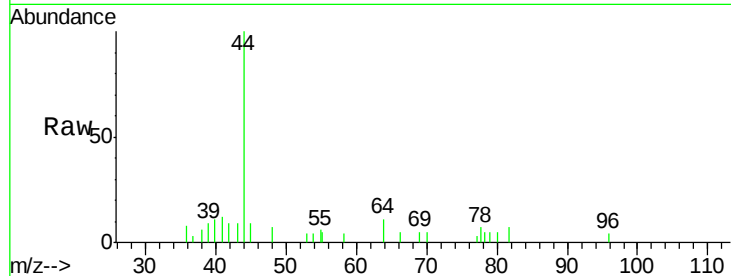


#22

Diisopropyl ether
Concen: Below Cal
RT: 3.85 min Scan# 536
Delta R.T. -0.02 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

Instrument :
MSVOA_X
ClientSampled :
VX0612WBL01

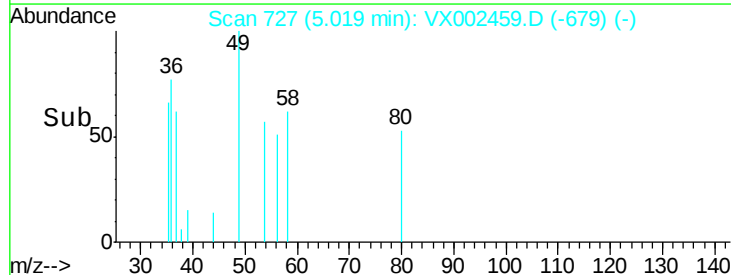
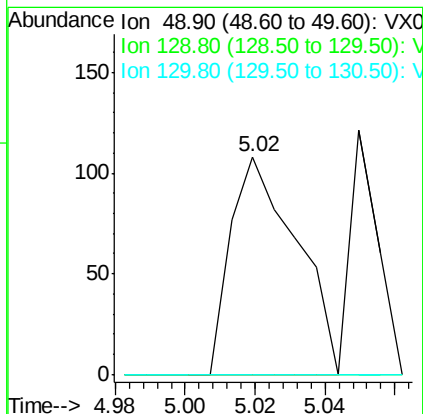
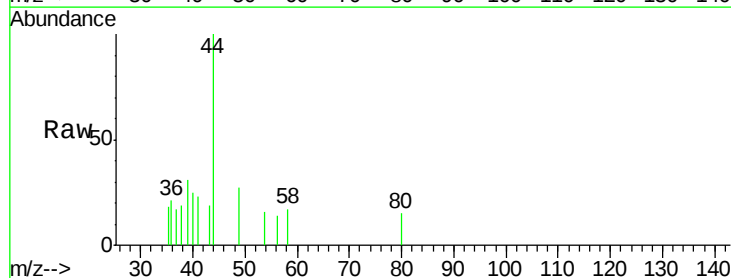
Tgt Ion:	45	Resp:	83
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

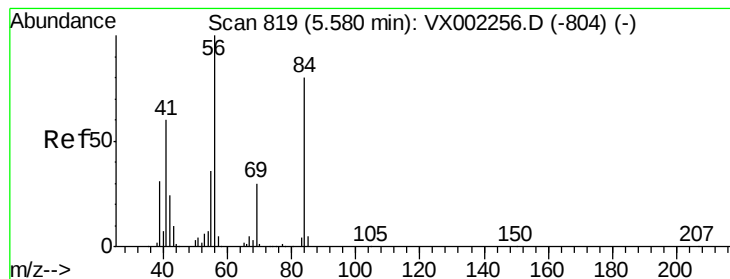


#28

Bromochloromethane
Concen: Below Cal
RT: 5.02 min Scan# 727
Delta R.T. -0.01 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

Tgt Ion:	49	Resp:	142
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#





#31

Cyclohexane

Concen: 1.29 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.08 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBL01

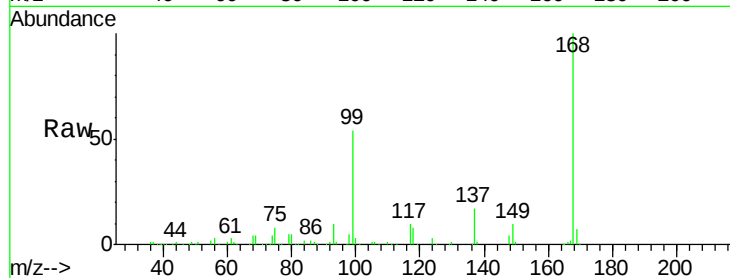
Tgt Ion: 56 Resp: 4953

Ion Ratio Lower Upper

56 100

69 146.7 23.7 35.5#

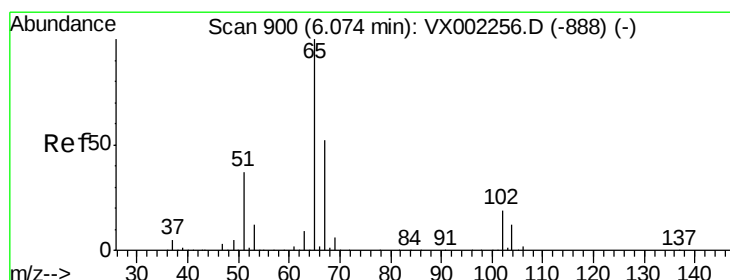
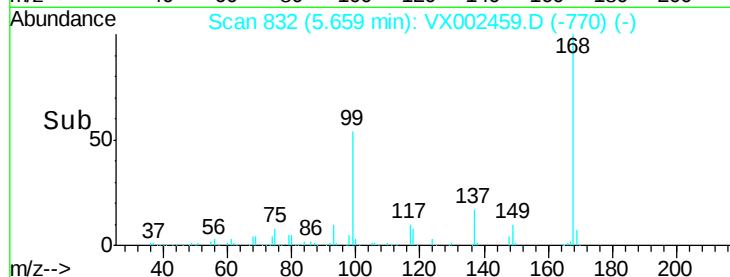
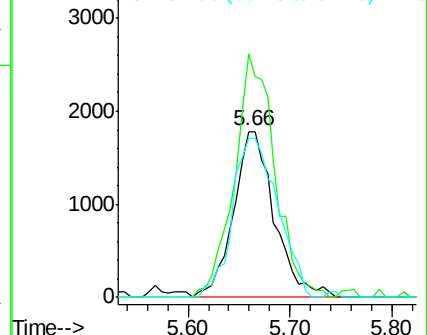
84 95.7 64.1 96.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 58.12 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002459.D

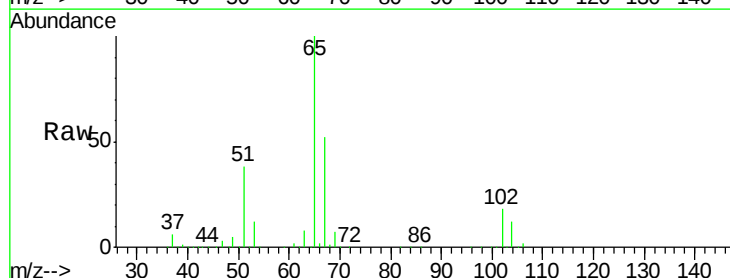
Acq: 12 Jun 2018 11:37

Tgt Ion: 65 Resp: 175151

Ion Ratio Lower Upper

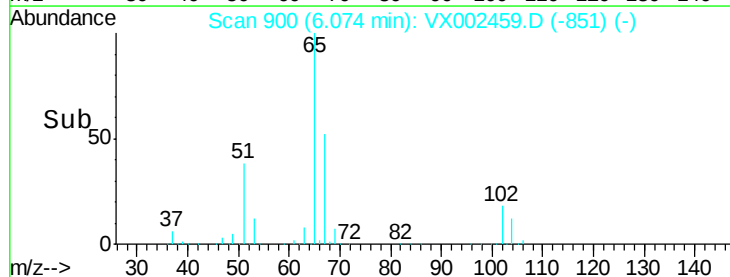
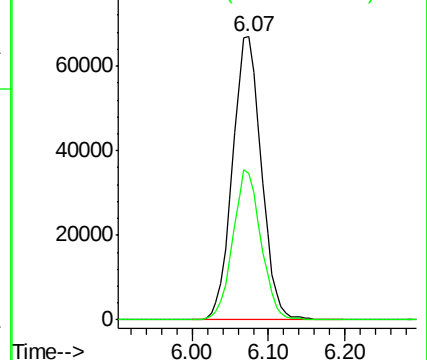
65 100

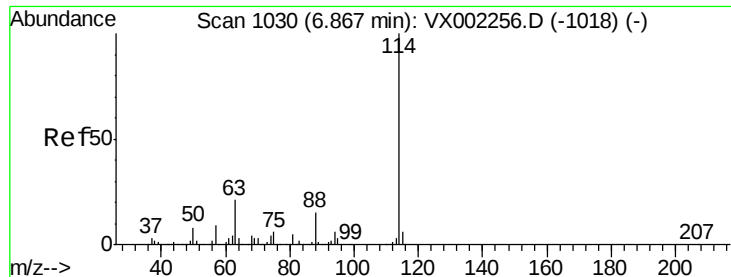
67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

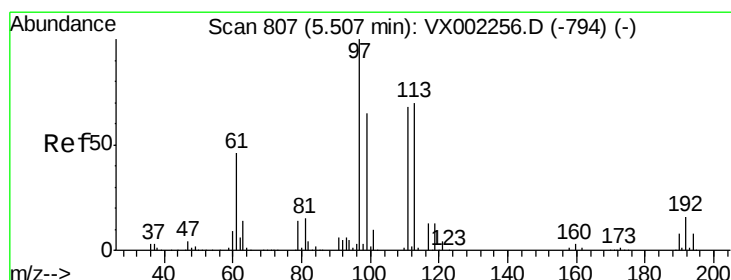
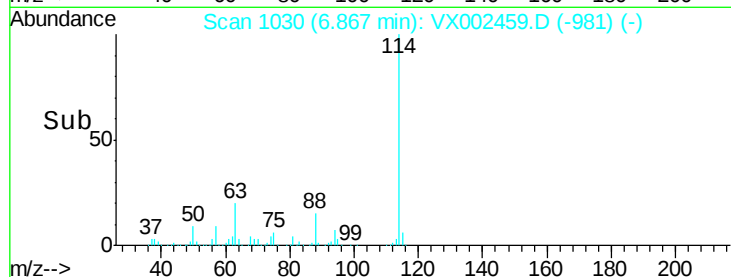
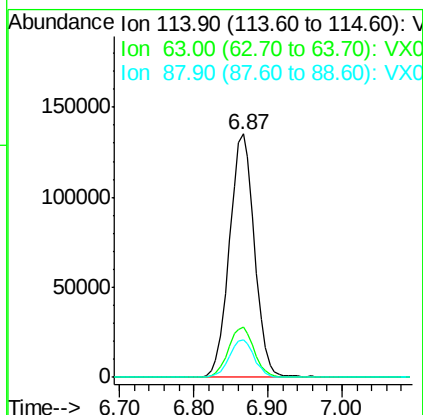
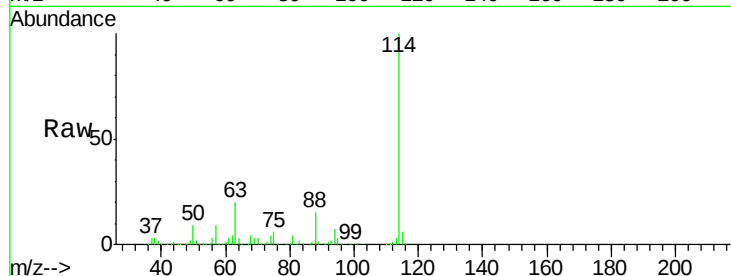




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

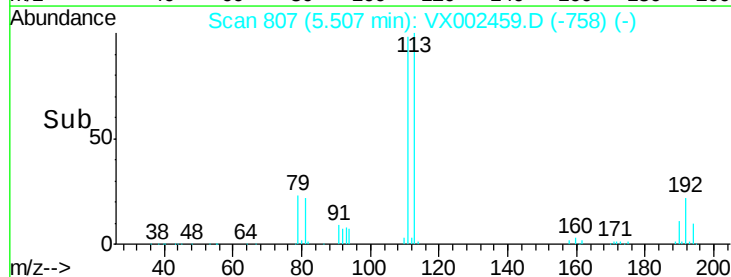
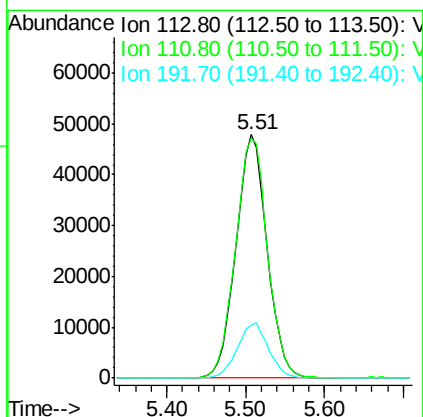
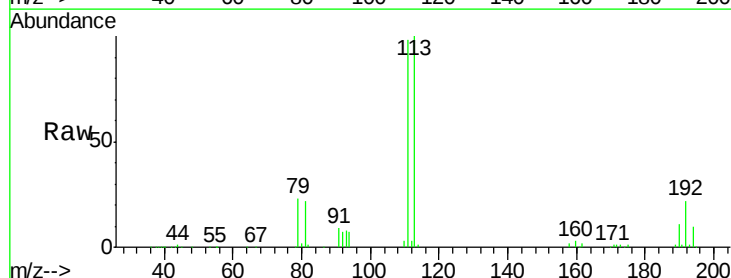
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBL01

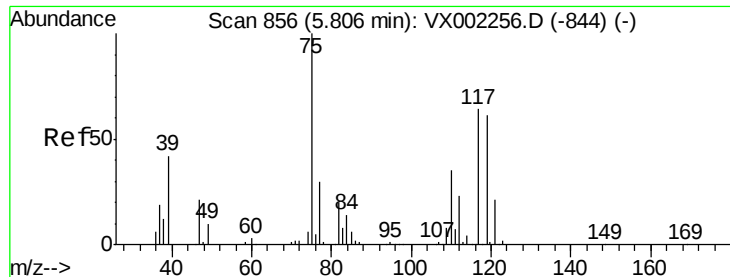
Tgt Ion:114 Resp: 318362
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.4
 88 15.4 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 52.49 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

Tgt Ion:113 Resp: 131419
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 22.8 19.1 28.7

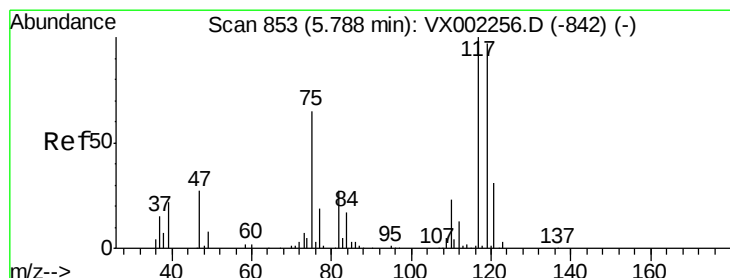
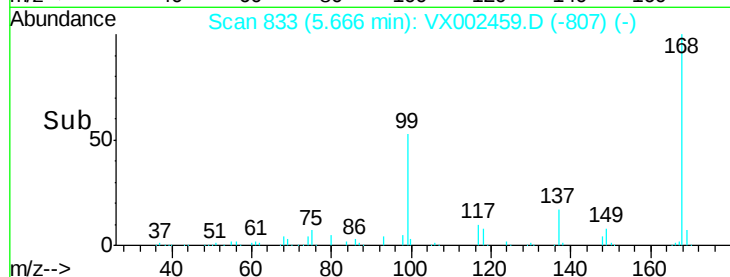
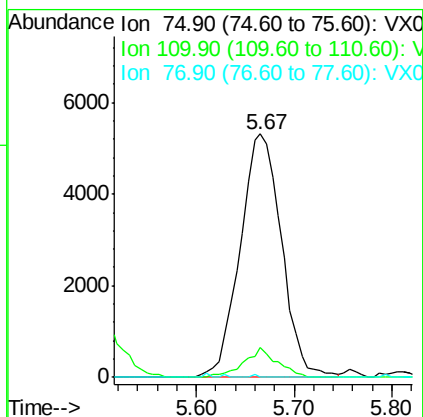
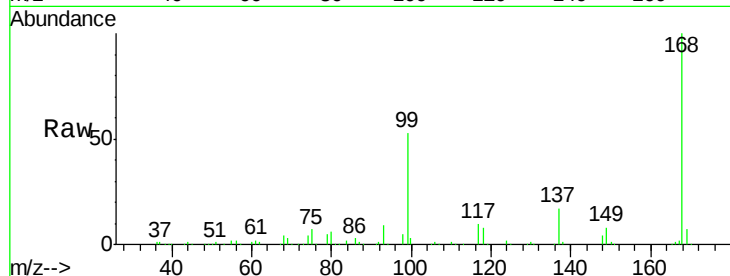




#36
 1,1-Dichloropropene
 Concen: 4.67 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.14 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

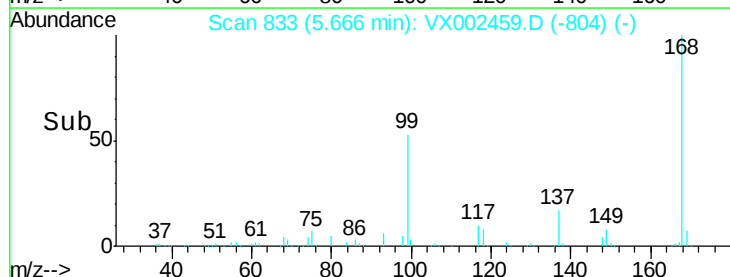
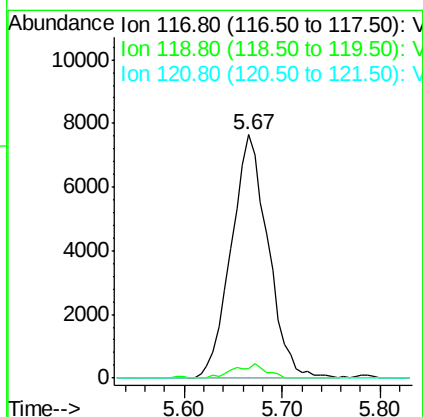
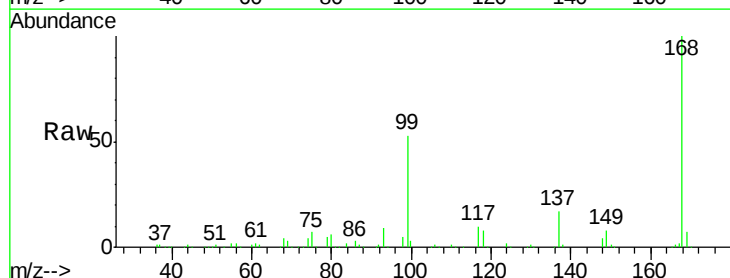
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBL01

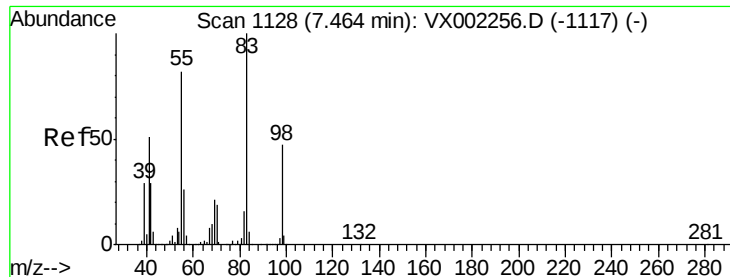
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	18.1	54.4#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.70 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.4	116.0#
121	0.0	24.4	36.6#

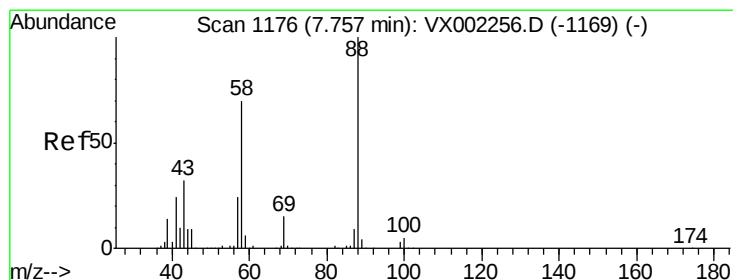
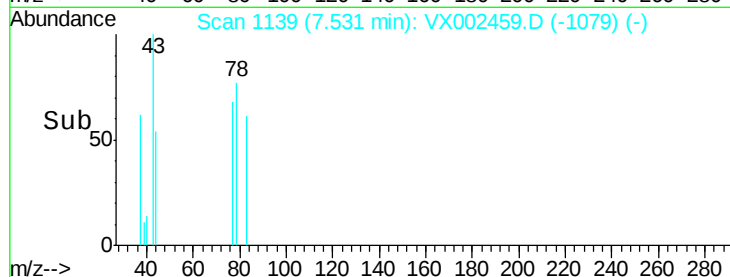
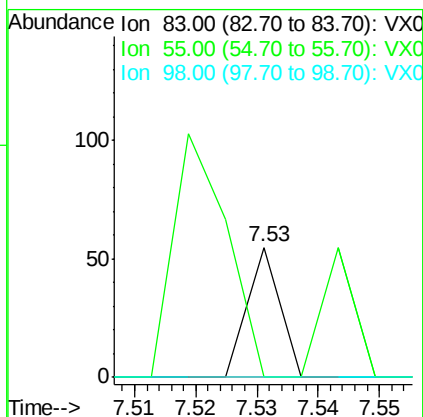
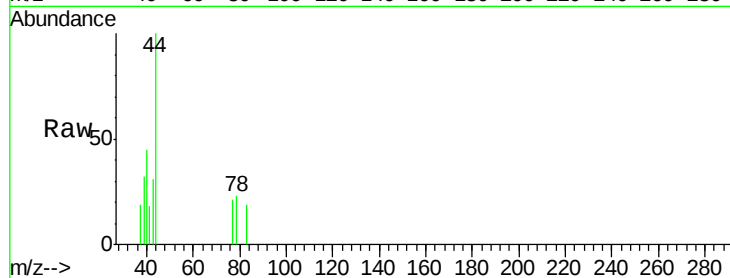




#39
Methylcyclohexane
Concen: 0.27 ug/l
RT: 7.53 min Scan# 1139
Delta R.T. 0.07 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

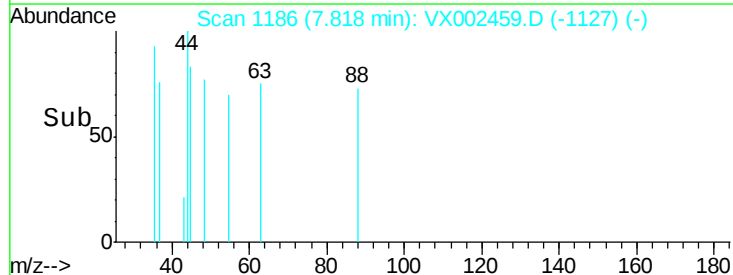
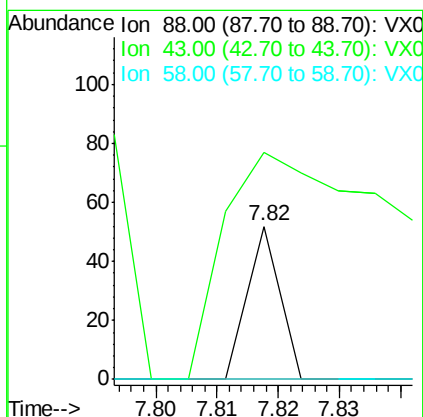
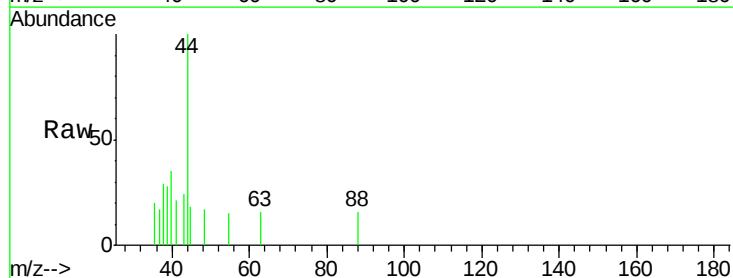
Instrument :
MSVOA_X
ClientSampled :
VX0612WBL01

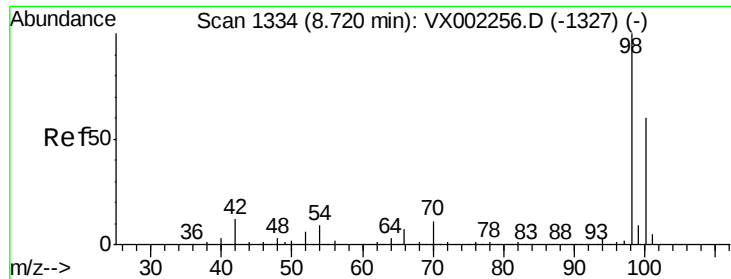
Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.0 37.4 56.0#



#49
1,4-Dioxane
Concen: 0.30 ug/l
RT: 7.82 min Scan# 1186
Delta R.T. 0.06 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 742.1 29.8 44.6#
58 0.0 57.1 85.7#

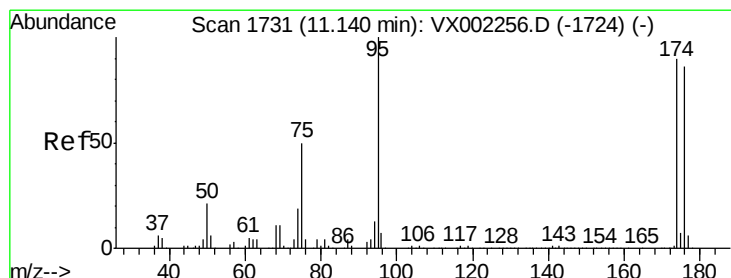
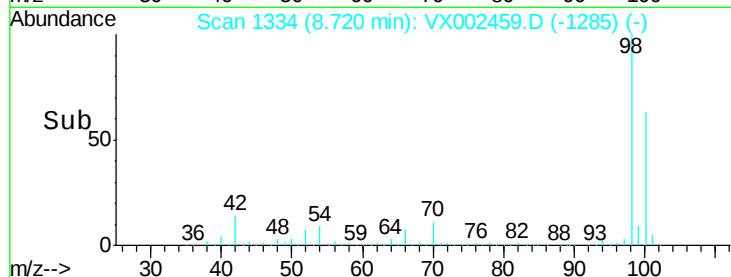
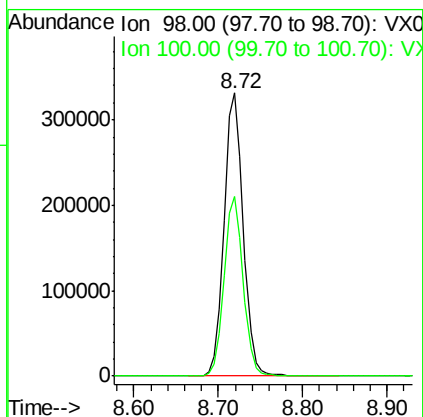
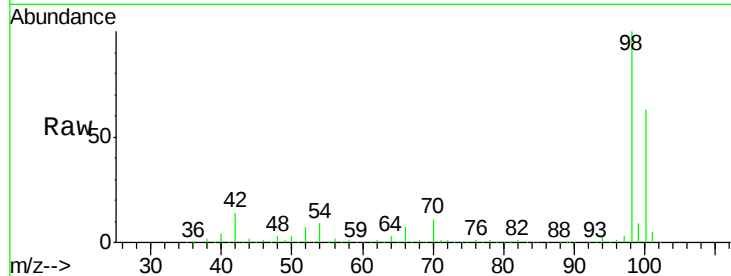




#50
Toluene-d8
Concen: 53.66 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

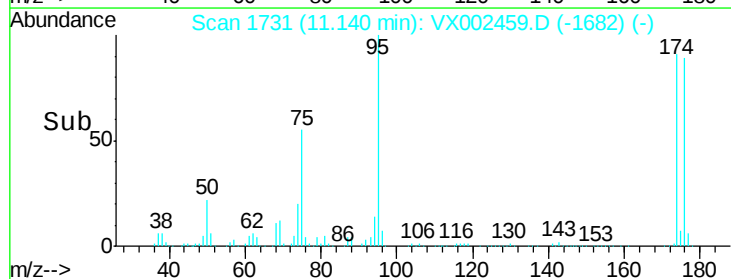
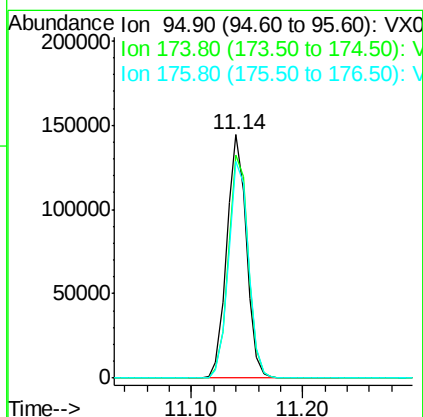
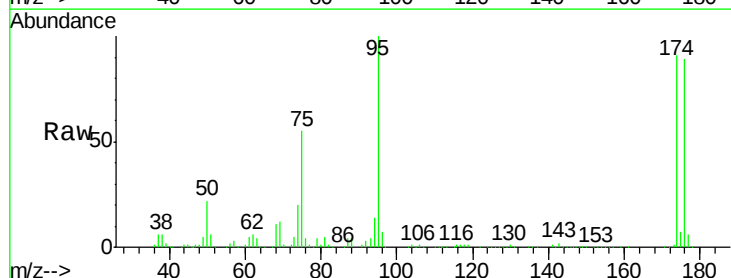
Instrument :
MSVOA_X
ClientSampleId :
VX0612WBL01

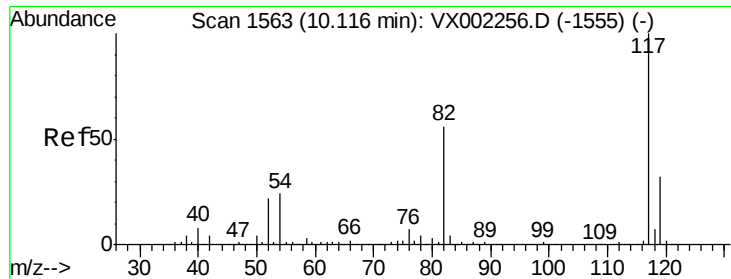
Tgt Ion: 98 Resp: 514920
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 47.47 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002459.D
Acq: 12 Jun 2018 11:37

Tgt Ion: 95 Resp: 175678
Ion Ratio Lower Upper
95 100
174 93.2 0.0 187.4
176 91.2 0.0 181.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

Instrument :

MSVOA_X

ClientSampleId :

VX0612WBL01

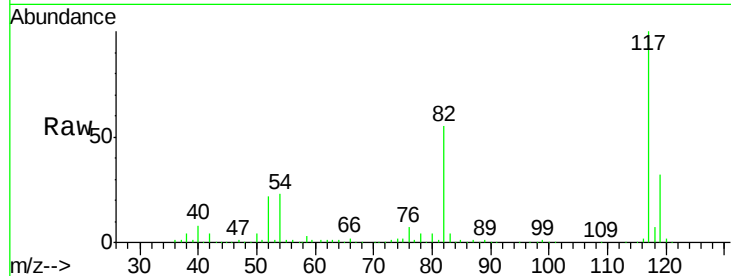
Tgt Ion:117 Resp: 288931

Ion Ratio Lower Upper

117 100

82 55.2 45.0 67.4

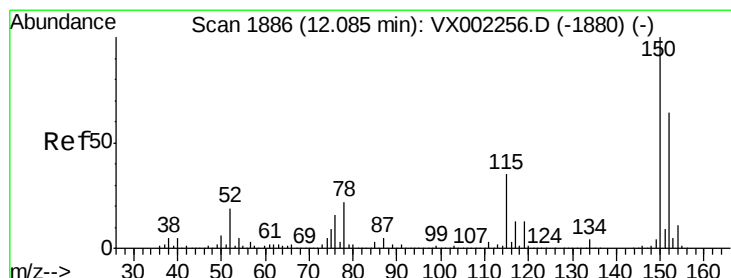
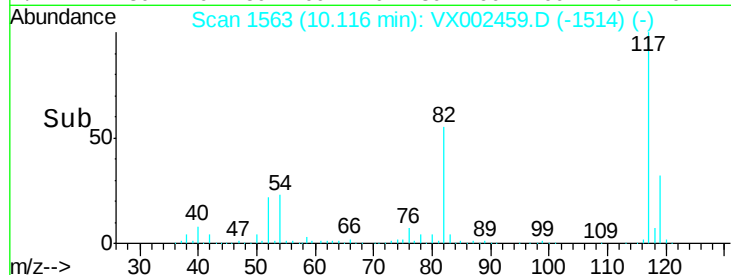
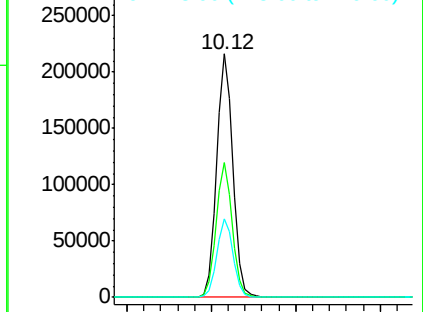
119 32.4 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002459.D

Acq: 12 Jun 2018 11:37

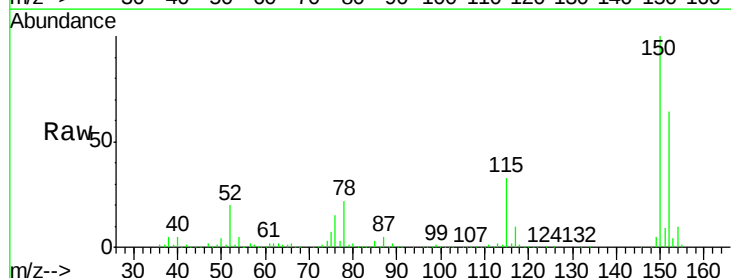
Tgt Ion:152 Resp: 152749

Ion Ratio Lower Upper

152 100

115 55.4 40.1 120.2

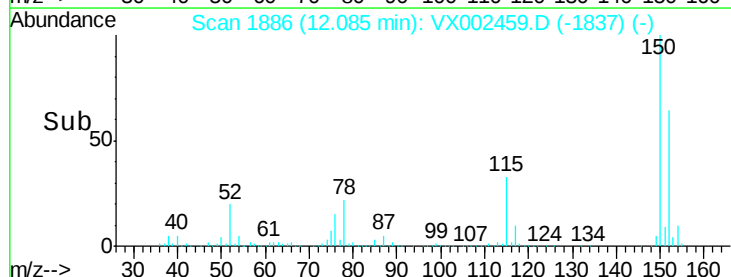
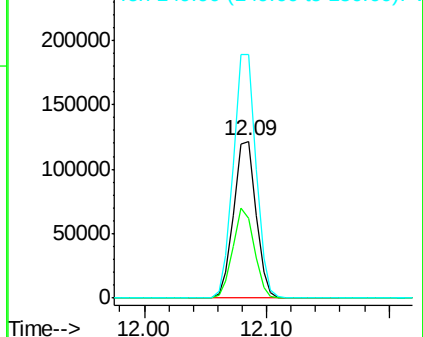
150 157.6 0.0 347.2

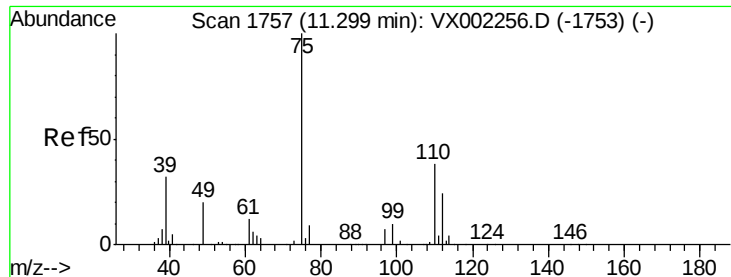


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

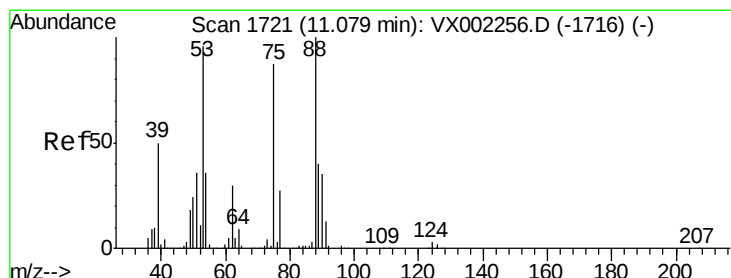
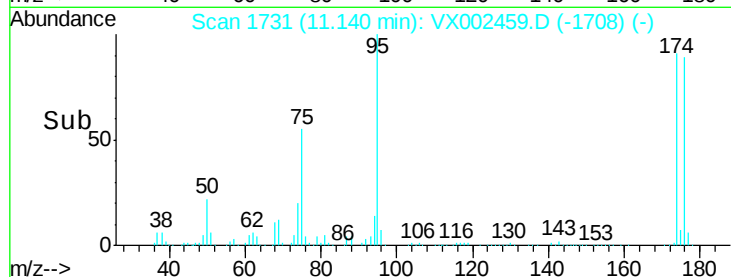
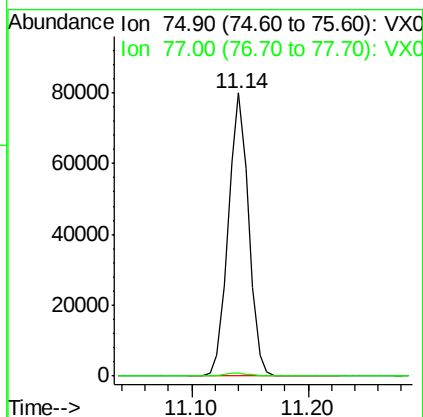
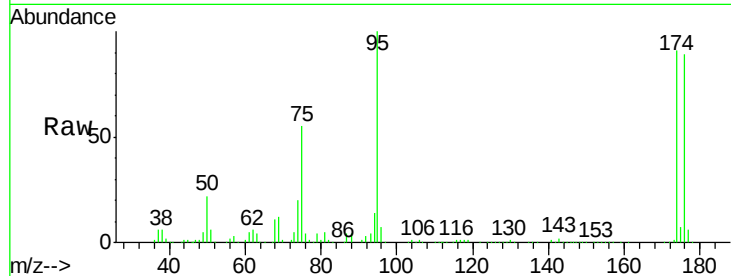




#76
 1,2,3-Trichloropropane
 Concen: 28.88 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBL01

Tgt Ion: 75 Resp: 96799
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.24 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002459.D
 Acq: 12 Jun 2018 11:37

Tgt Ion: 75 Resp: 96799
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#

