

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060818\
 Data File : VX002407.D
 Acq On : 08 Jun 2018 17:37
 Operator : JC/MD
 Sample : J3409-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW126-180607

Quant Time: Jun 09 01:50:42 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	200724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	294083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	140605	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	162080	56.95	ug/l	0.00
Spiked Amount			Recovery	=	113.90%	
35) Dibromofluoromethane	5.51	113	121732	52.64	ug/l	0.00
Spiked Amount			Recovery	=	105.28%	
50) Toluene-d8	8.72	98	477084	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
62) 4-Bromofluorobenzene	11.14	95	159328	46.61	ug/l	0.00
Spiked Amount			Recovery	=	93.22%	

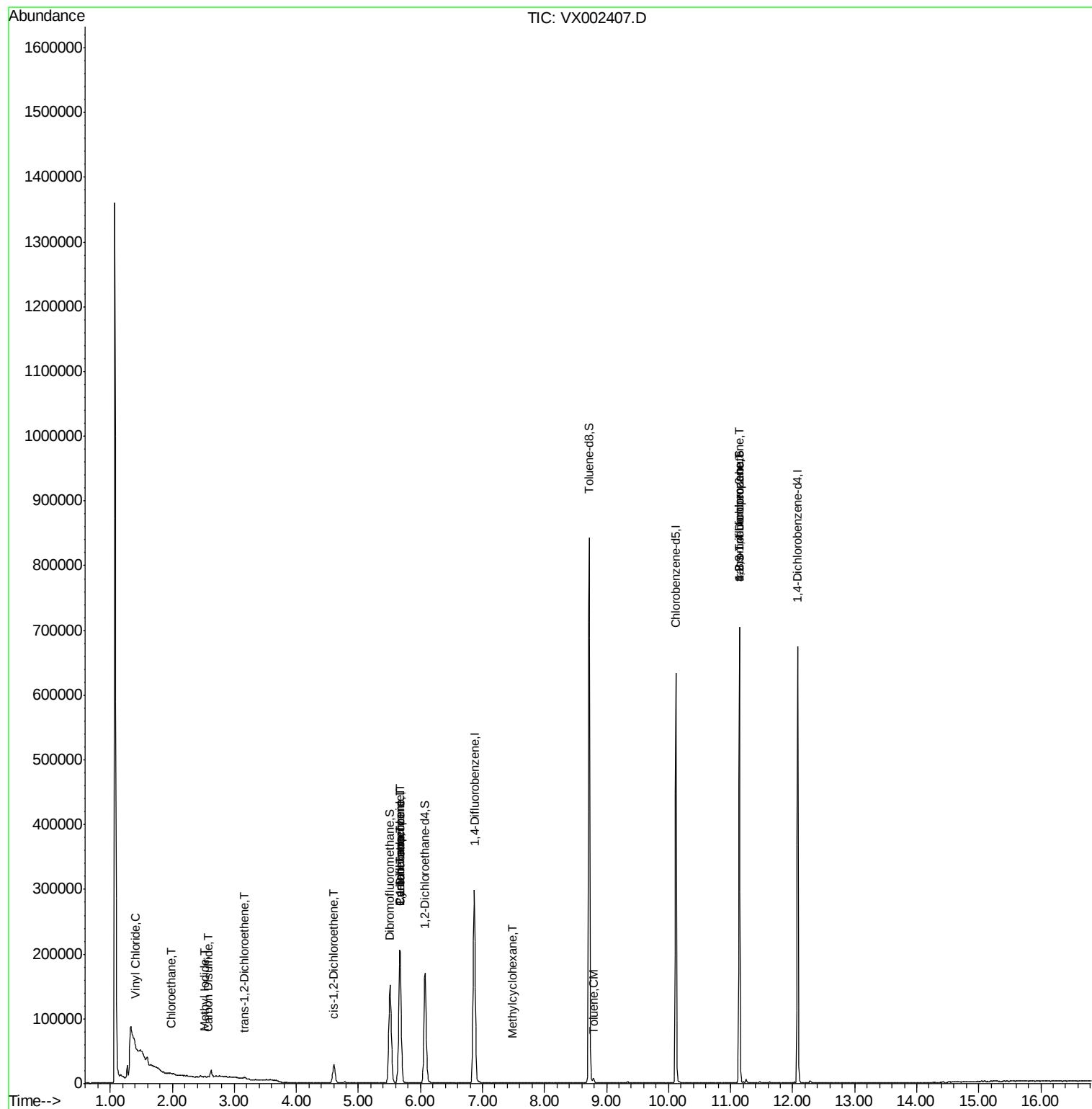
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	5857	Below Cal	#	59
4) Vinyl Chloride	1.41	62	1644	0.63	ug/l	# 1
5) Bromomethane	1.66	94	1339	Below Cal		83
6) Chloroethane	1.98	64	688	0.40	ug/l	# 58
8) Diethyl Ether	2.18	74	20	Below Cal	#	1
10) Methyl Iodide	2.51	142	1185	0.39	ug/l	99
11) Tert butyl alcohol	3.07	59	260	Below Cal	#	5
13) Acrolein	2.31	56	269	Below Cal		94
15) Acrylonitrile	3.16	53	149	Below Cal	#	46
16) Acetone	2.45	43	2377	Below Cal	#	87
17) Carbon Disulfide	2.57	76	1945	0.35	ug/l	# 93
18) Methyl Acetate	2.62	43	3116	Below Cal	#	55
19) Methyl tert-butyl Ether	3.21	73	20	Below Cal	#	54
20) Methylene Chloride	2.86	84	245	Below Cal	#	85
21) trans-1,2-Dichloroethene	3.17	96	561	0.24	ug/l	# 70
22) Diisopropyl ether	3.85	45	84	Below Cal	#	41
27) cis-1,2-Dichloroethene	4.60	96	17027	6.64	ug/l	91
28) Bromochloromethane	4.91	49	20	Below Cal	#	13
31) Cyclohexane	5.67	56	4257	1.17	ug/l	# 26
36) 1,1-Dichloropropene	5.67	75	14322	4.63	ug/l	# 53
38) Carbon Tetrachloride	5.67	117	19373	5.99	ug/l	# 15
39) Methylcyclohexane	7.48	83	119	0.29	ug/l	# 72
52) Toluene	8.79	92	1844	0.31	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	87710	28.43	ug/l	# 32
81) trans-1,4-Dichloro-2-buten	11.14	75	87710	99.65	ug/l	# 6

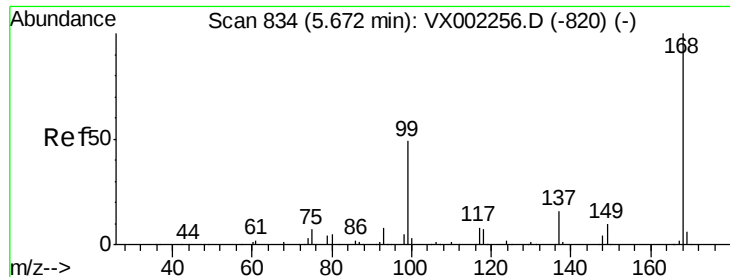
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX060818\
Data File : VX002407.D
Acq On : 08 Jun 2018 17:37
Operator : JC/MD
Sample : J3409-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

Quant Time: Jun 09 01:50:42 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: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

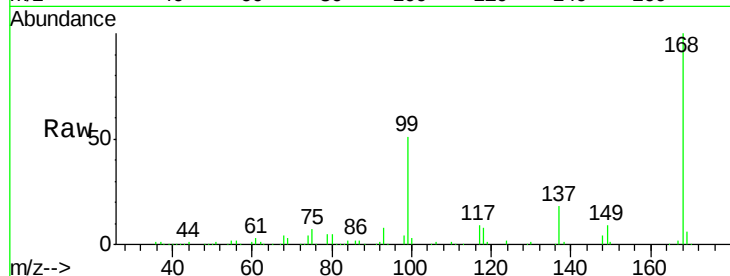
SS052MW126-180607

Tot Ion:168 Resp: 200724

Ion Ratio Lower Upper

168 100

99 51.0 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

80000

60000

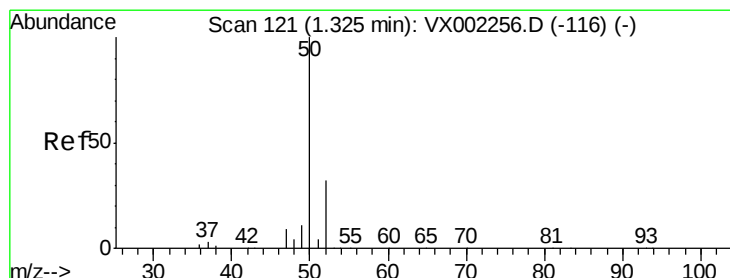
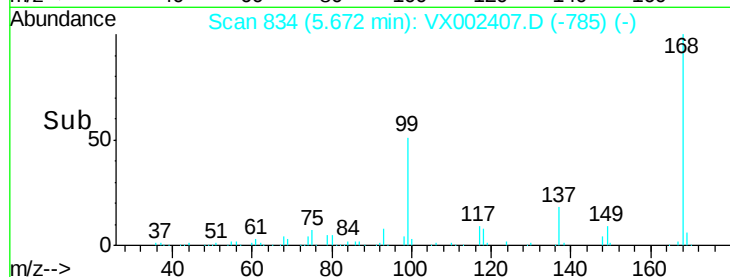
40000

20000

0

Time-->

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: VX002407.D

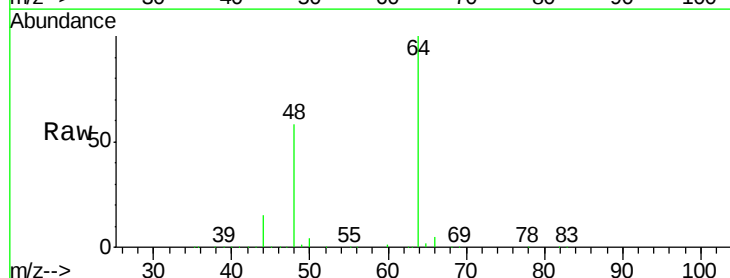
Acq: 08 Jun 2018 17:37

Tgt Ion: 50 Resp: 5857

Ion Ratio Lower Upper

50 100

52 9.1 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

2000

1500

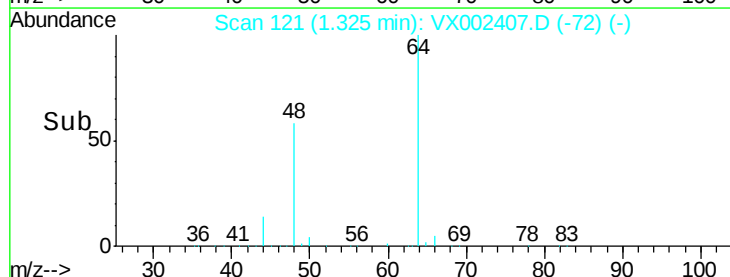
1000

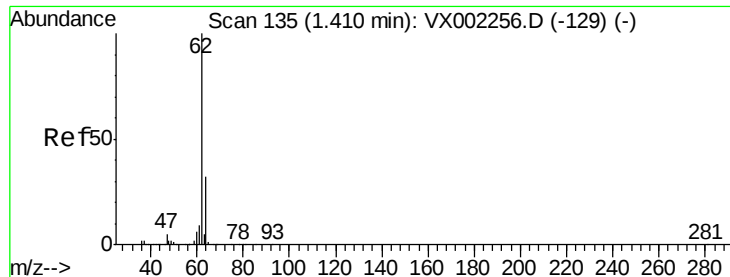
500

0

Time-->

1.30 1.35 1.40





#4

Vinyl Chloride

Concen: 0.63 ug/l

RT: 1.41 min Scan# 135

Delta R.T. -0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

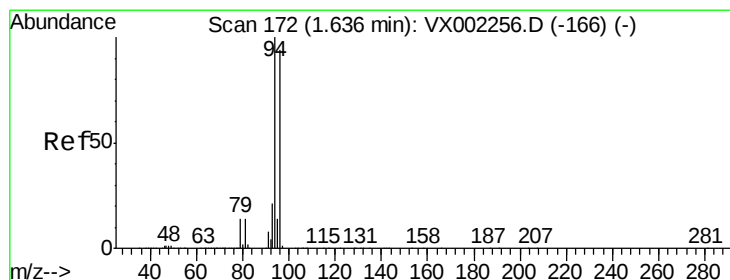
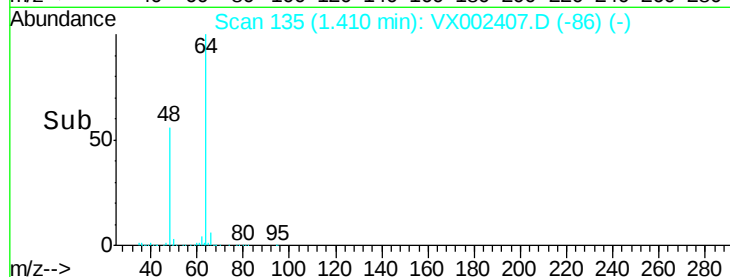
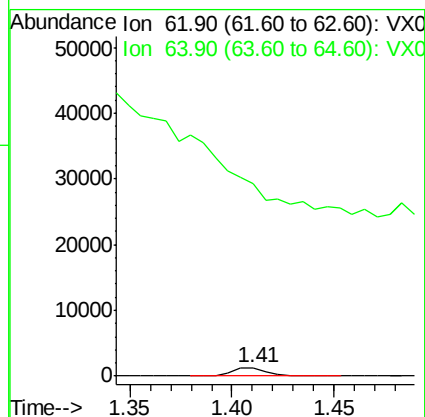
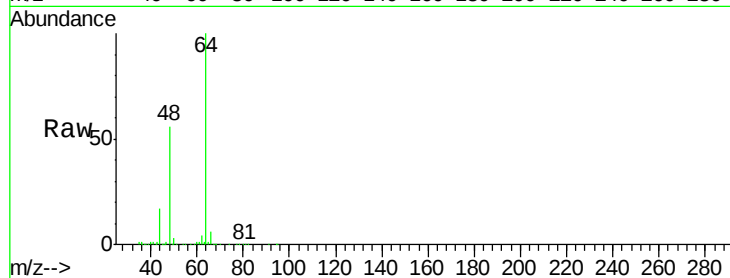
SS052MW126-180607

Tot Ion: 62 Resp: 1644

Ion Ratio Lower Upper

62 100

64 290.8 25.4 38.2#



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002407.D

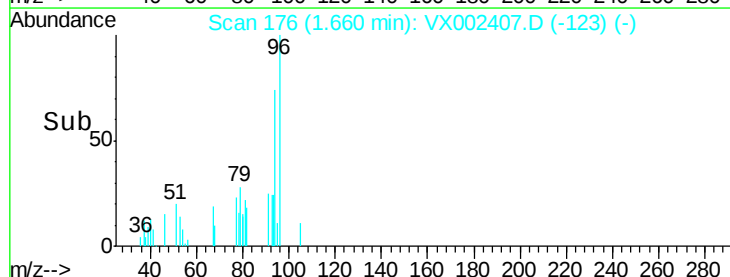
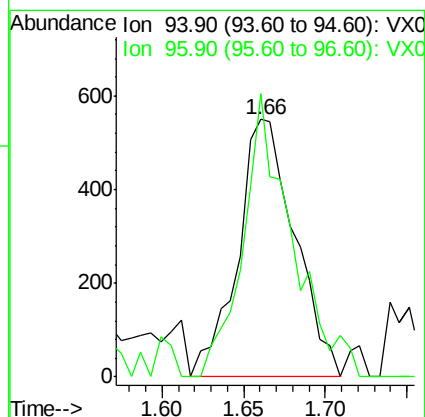
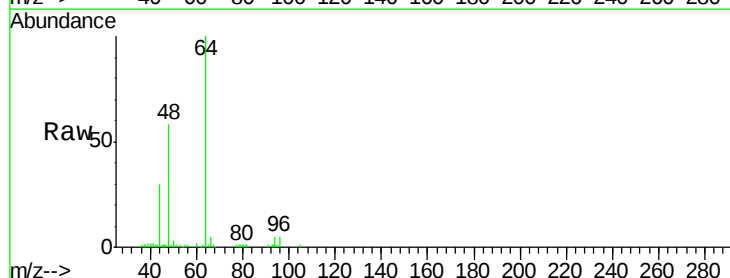
Acq: 08 Jun 2018 17:37

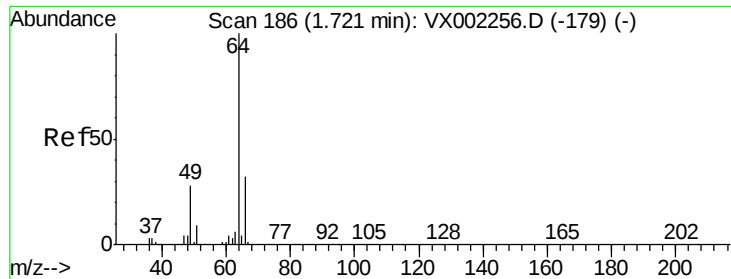
Tgt Ion: 94 Resp: 1339

Ion Ratio Lower Upper

94 100

96 110.0 74.9 112.3





#6

Chloroethane

Concen: 0.40 ug/l

RT: 1.98 min Scan# 229

Delta R.T. 0.26 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

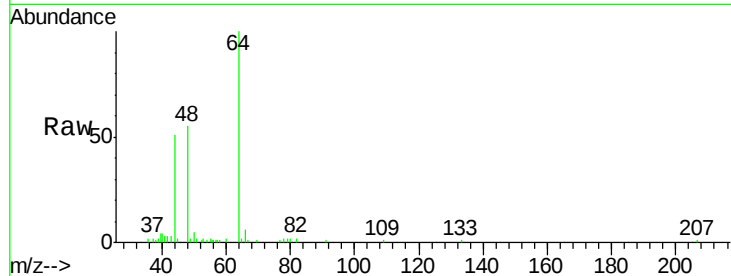
SS052MW126-180607

Tot Ion: 64 Resp: 688

Ion Ratio Lower Upper

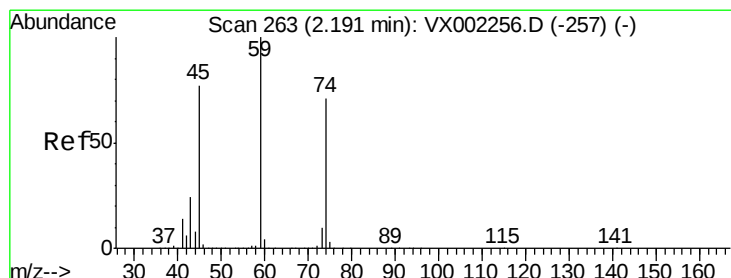
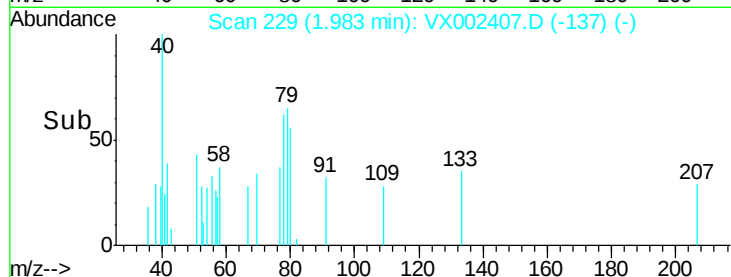
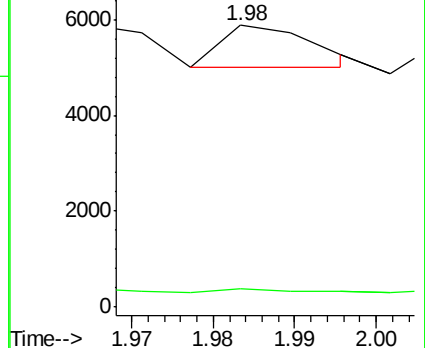
64 100

66 8.8 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.18 min Scan# 261

Delta R.T. -0.01 min

Lab File: VX002407.D

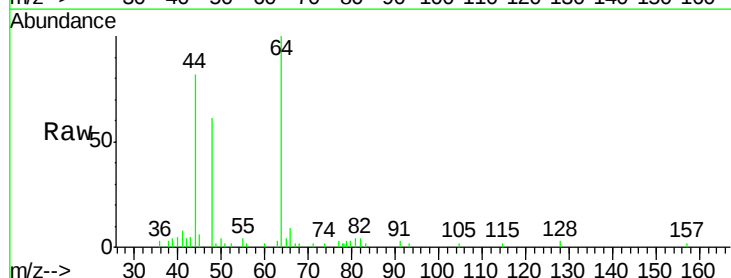
Acq: 08 Jun 2018 17:37

Tgt Ion: 74 Resp: 20

Ion Ratio Lower Upper

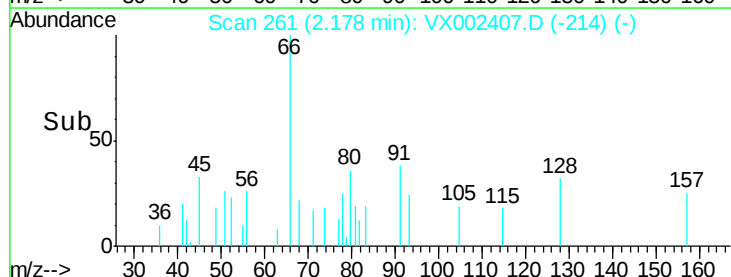
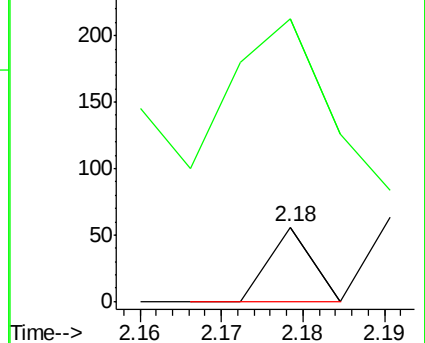
74 100

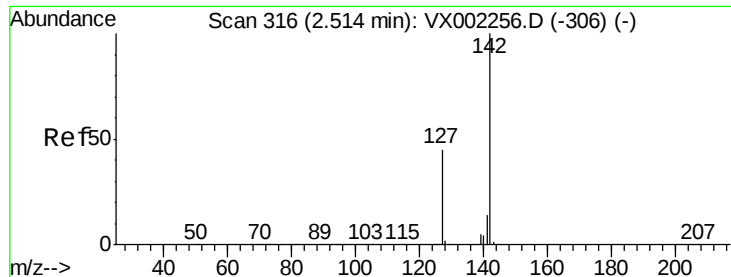
45 490.0 53.1 159.4#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

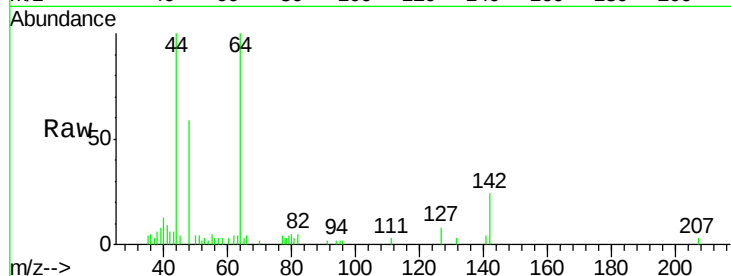




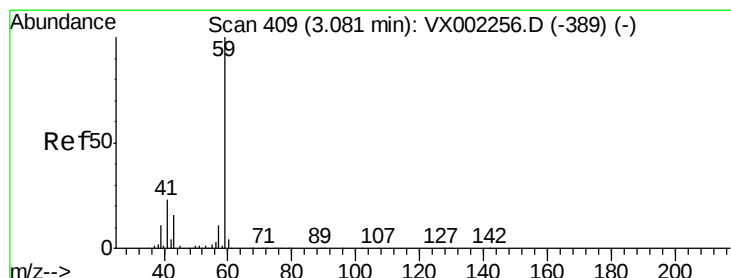
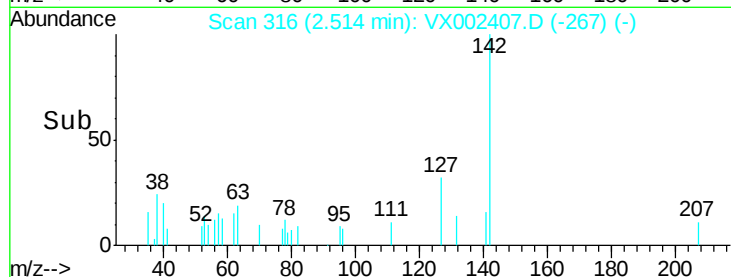
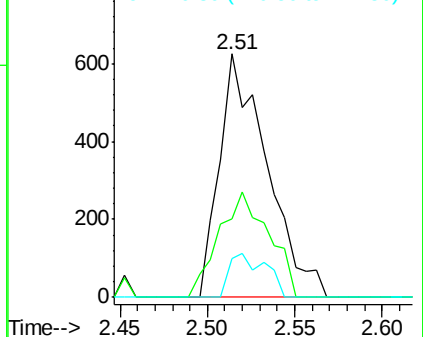
#10
Methyl Iodide
Concen: 0.39 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

Tot Ion:142 Resp: 1185
Ion Ratio Lower Upper
142 100
127 45.2 36.6 55.0
141 13.5 11.3 16.9

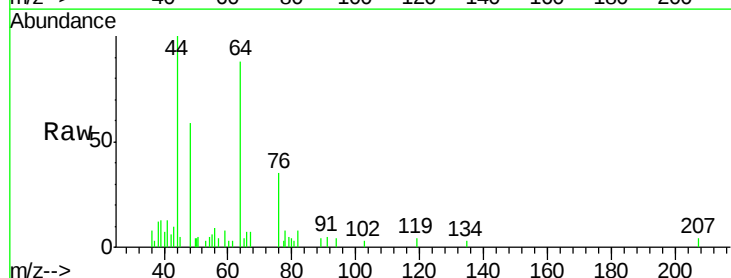


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

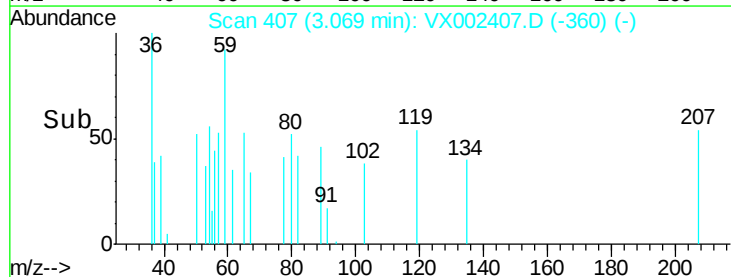
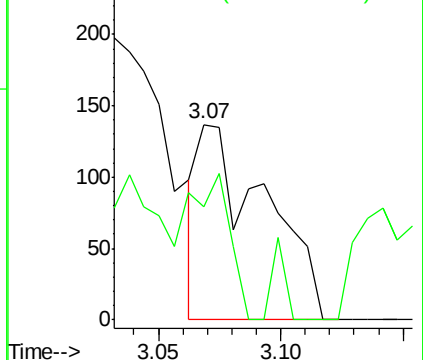


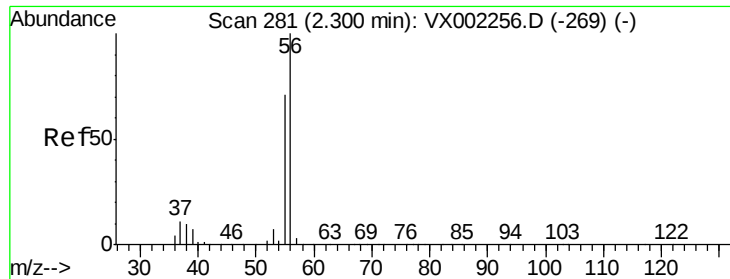
#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 45.4 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: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

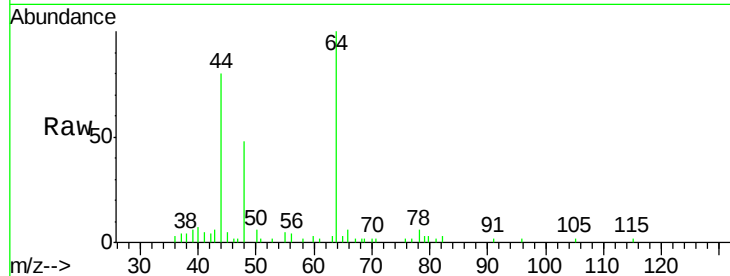
SS052MW126-180607

Tot Ion: 56 Resp: 269

Ion Ratio Lower Upper

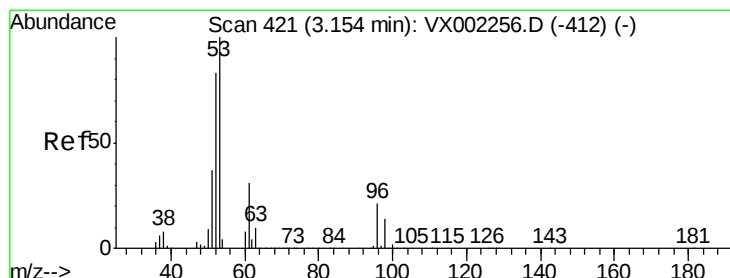
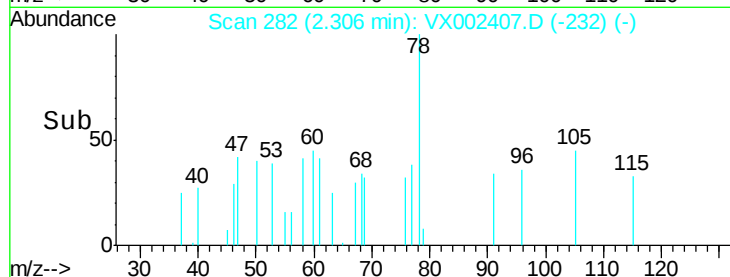
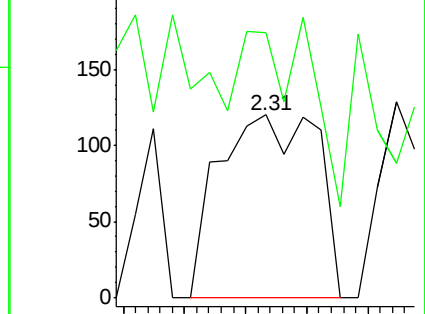
56 100

55 66.2 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: Below Cal

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

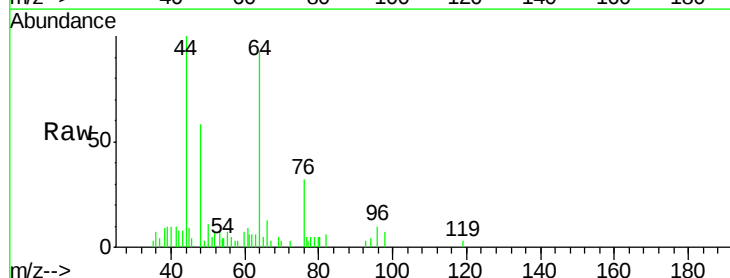
Tgt Ion: 53 Resp: 149

Ion Ratio Lower Upper

53 100

52 152.3 66.7 100.1#

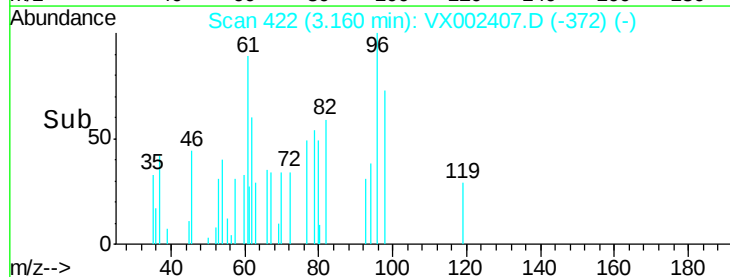
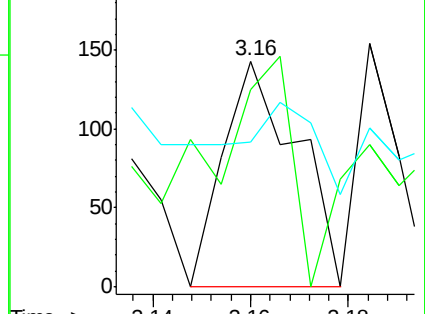
51 34.2 29.9 44.9

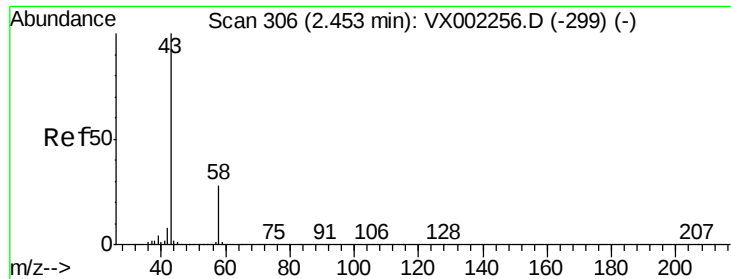


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

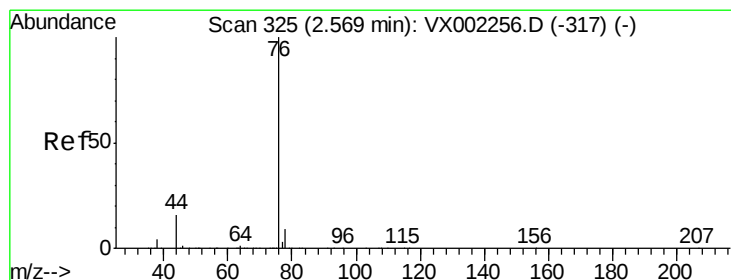
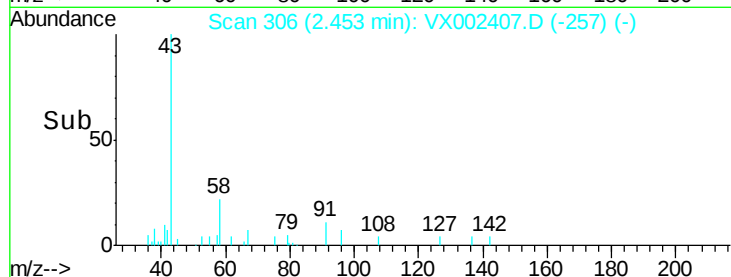
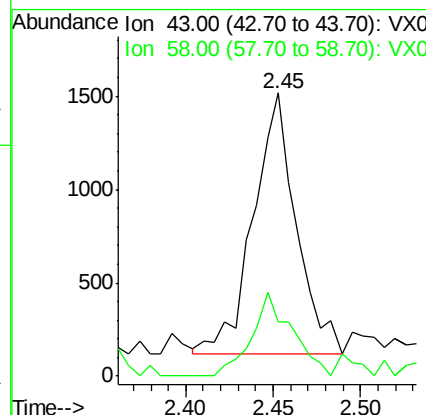
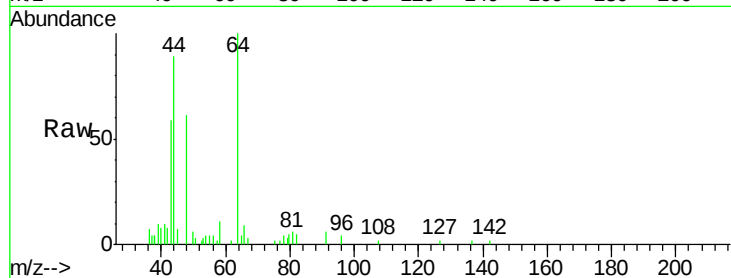




#16
Acetone
Concen: Below Cal
RT: 2.45 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

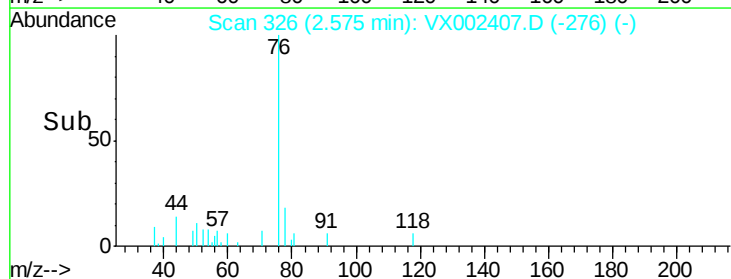
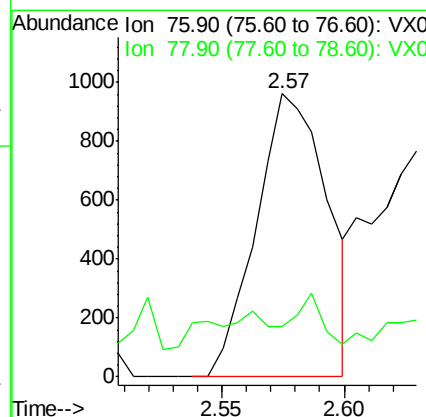
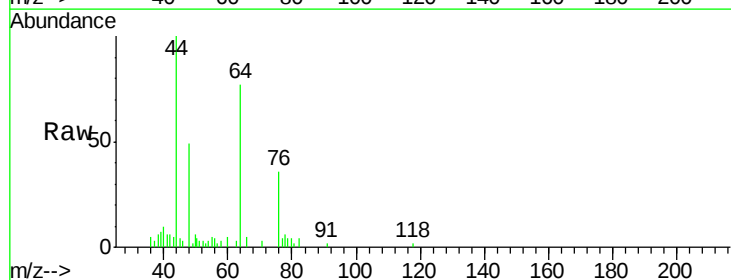
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

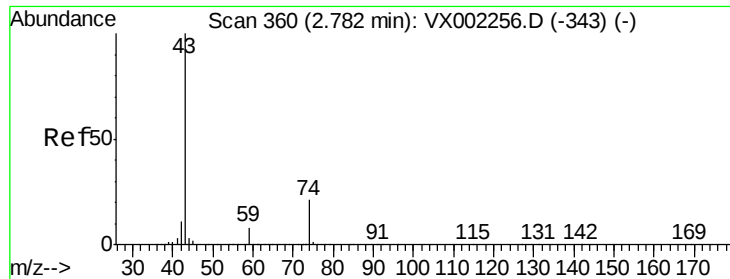
Tot Ion: 43 Resp: 2377
Ion Ratio Lower Upper
43 100
58 21.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 0.35 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 76 Resp: 1945
Ion Ratio Lower Upper
76 100
78 6.1 6.9 10.3#

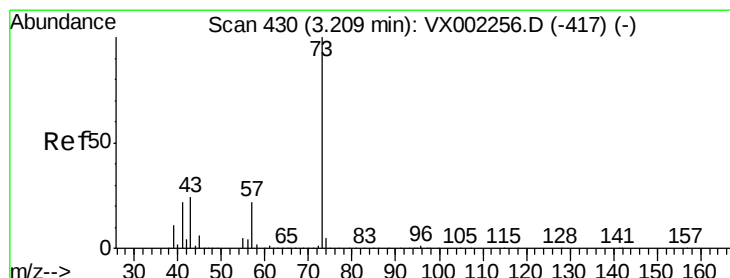
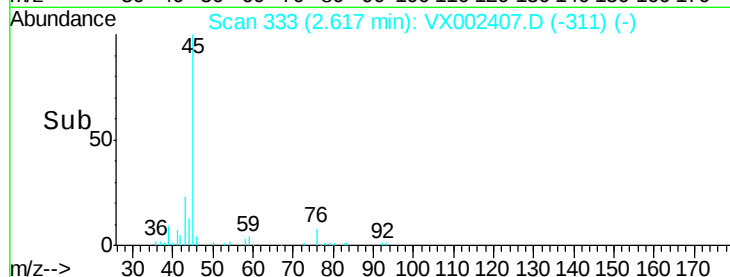
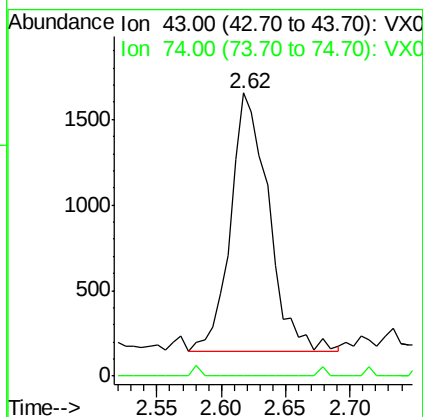
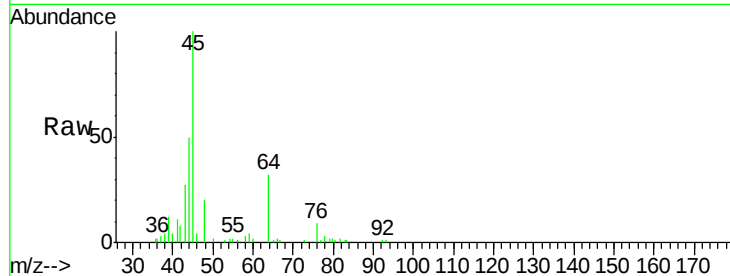




#18
Methyl Acetate
Concen: Below Cal
RT: 2.62 min Scan# 333
Delta R.T. -0.16 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

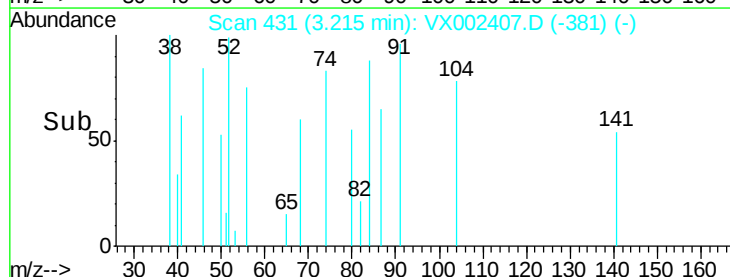
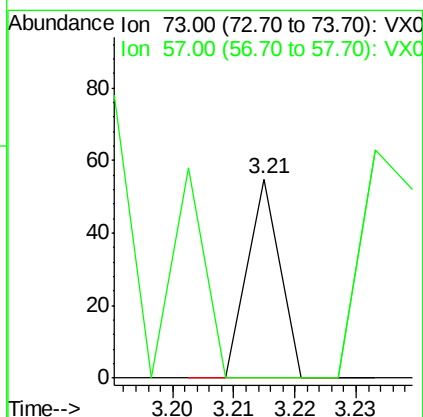
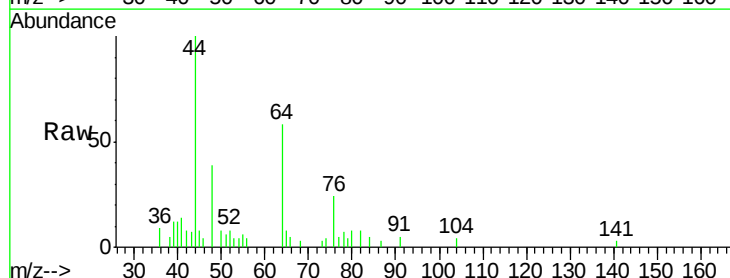
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

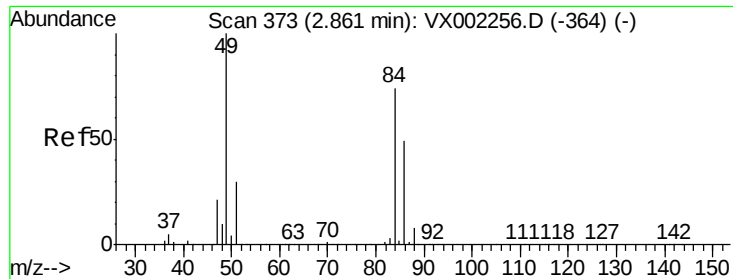
Tot Ion: 43 Resp: 3116
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#19
Methyl tert-butyl Ether
Concen: Below Cal
RT: 3.21 min Scan# 431
Delta R.T. 0.01 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 73 Resp: 20
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#

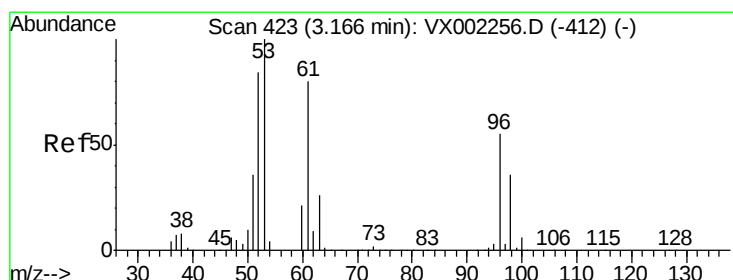
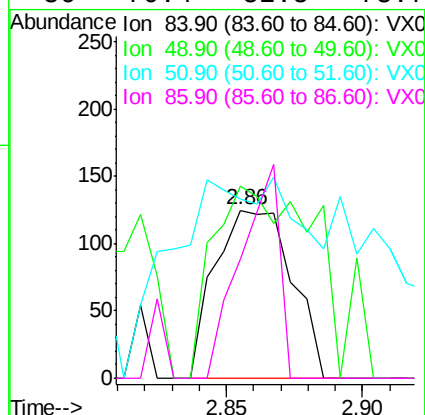
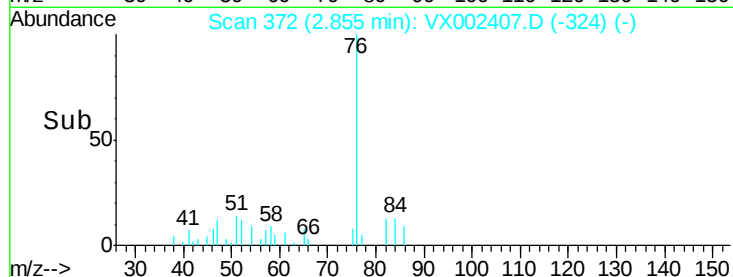
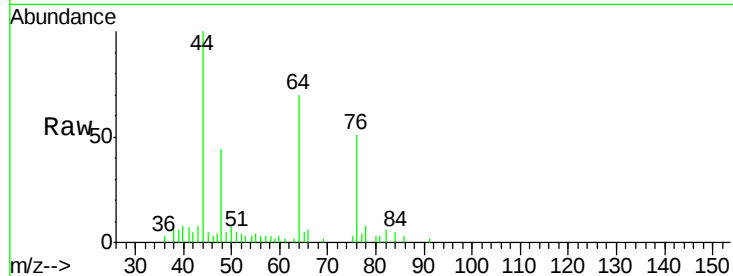




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

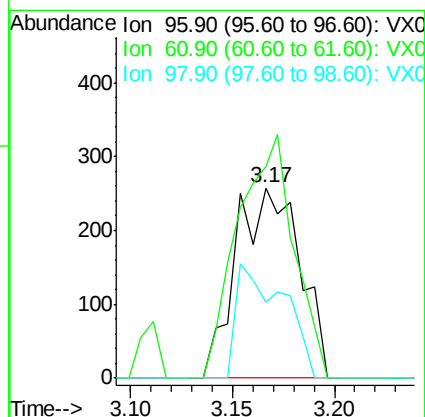
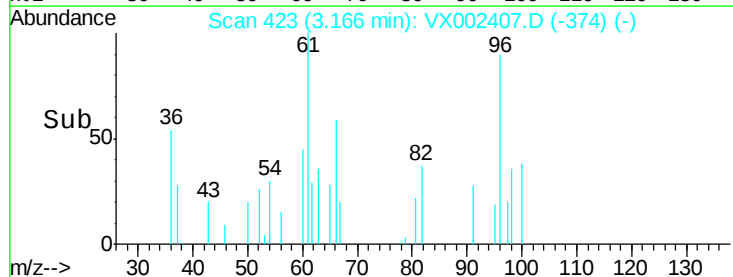
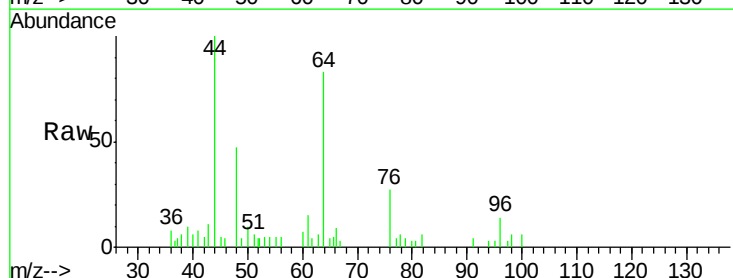
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

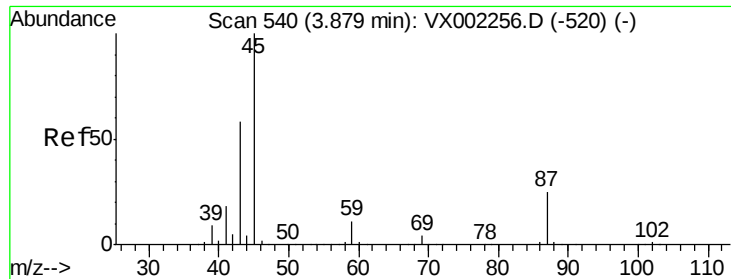
Tot Ion: 84 Resp: 245
Ion Ratio Lower Upper
84 100
49 114.4 107.8 161.6
51 27.2 32.8 49.2#
86 70.4 52.5 78.7



#21
trans-1,2-Dichloroethene
Concen: 0.24 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 96 Resp: 561
Ion Ratio Lower Upper
96 100
61 110.9 117.0 175.4#
98 39.9 52.4 78.6#



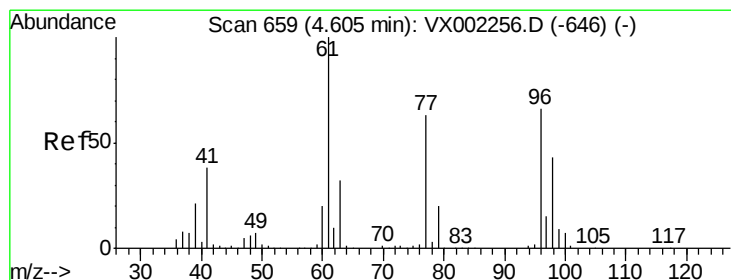
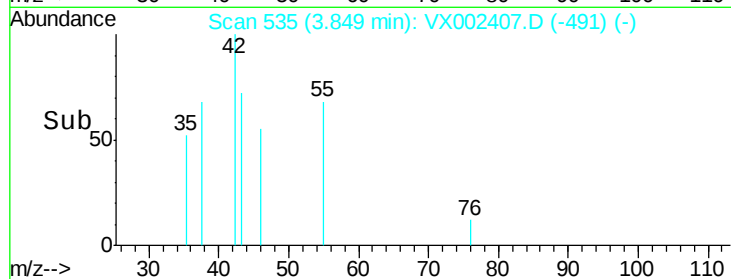
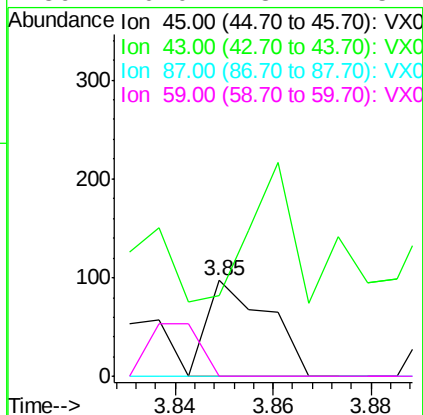
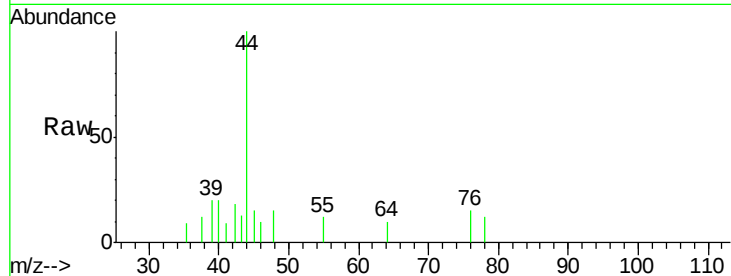


#22

Diisopropyl ether
 Concen: Below Cal
 RT: 3.85 min Scan# 535
 Delta R.T. -0.03 min
 Lab File: VX002407.D
 Acq: 08 Jun 2018 17:37

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW126-180607

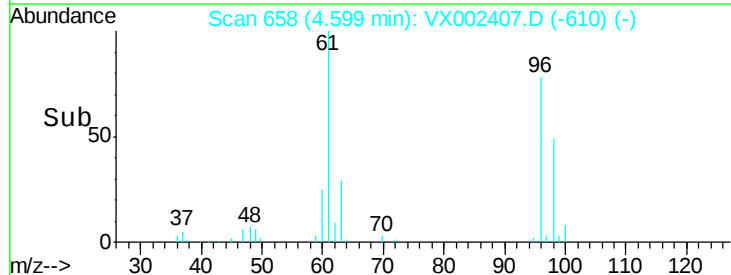
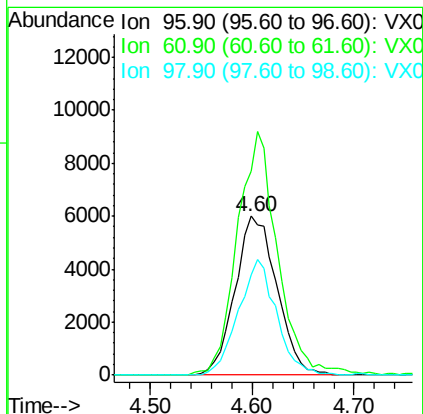
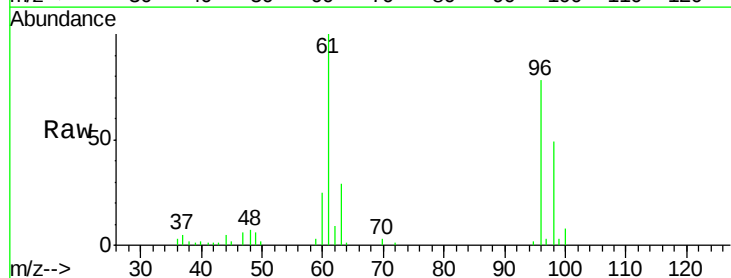
Tot Ion:	45	Resp:	84
Ion	Ratio	Lower	Upper
45	100		
43	7.2	46.8	70.2#
87	0.0	20.2	30.4#
59	0.0	8.7	13.1#

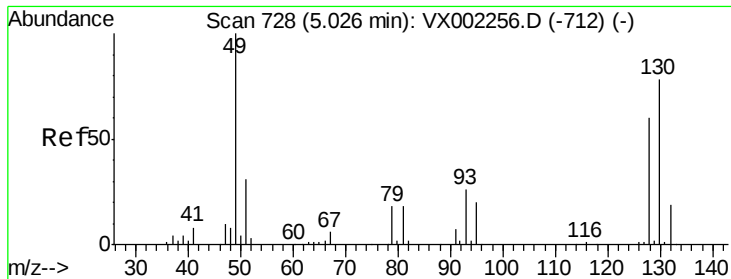


#27

cis-1,2-Dichloroethene
 Concen: 6.64 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: VX002407.D
 Acq: 08 Jun 2018 17:37

Tgt Ion:	96	Resp:	17027
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	330.2
98	66.2	0.0	130.2





#28

Bromochloromethane

Concen: Below Cal

RT: 4.91 min Scan# 709

Delta R.T. -0.12 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

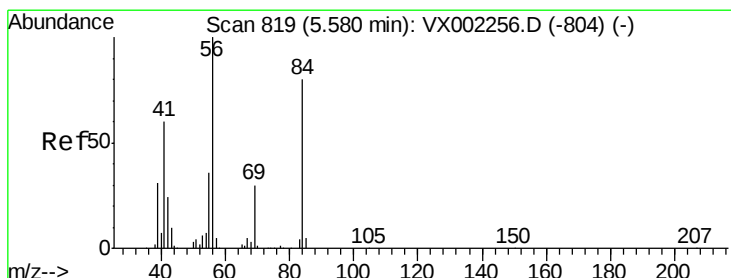
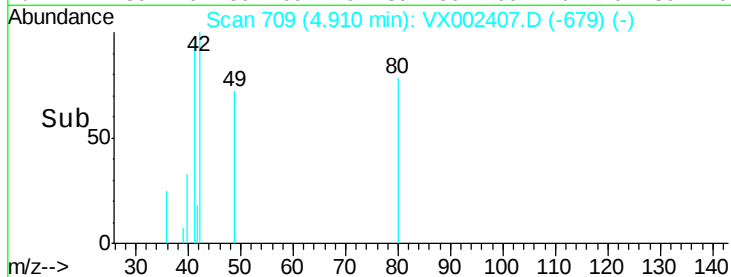
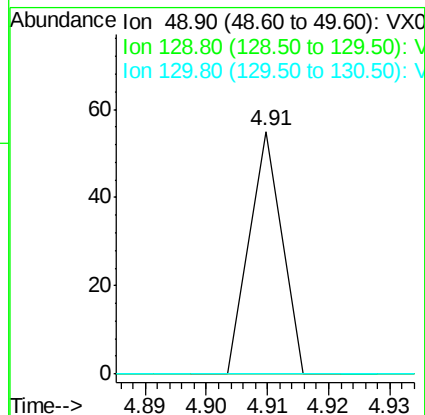
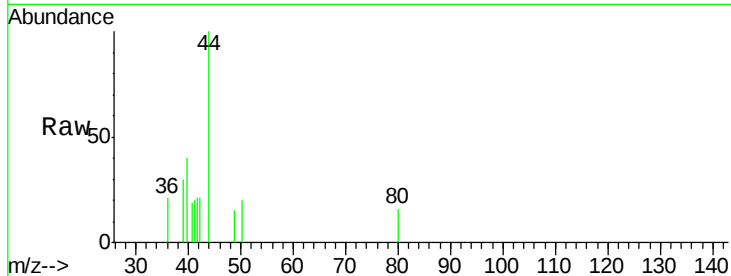
MSVOA_X

ClientSampleId :

SS052MW126-180607

Tot Ion: 49 Resp: 20

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	0.0	61.2	91.8#



#31

Cyclohexane

Concen: 1.17 ug/l

RT: 5.67 min Scan# 833

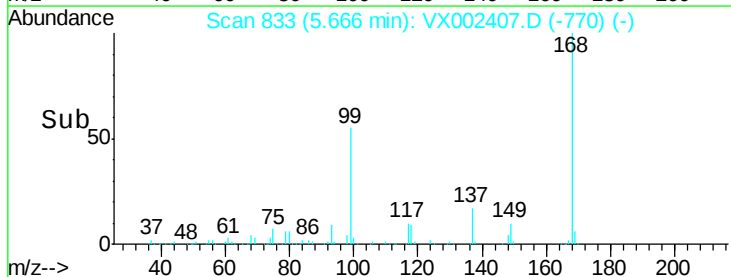
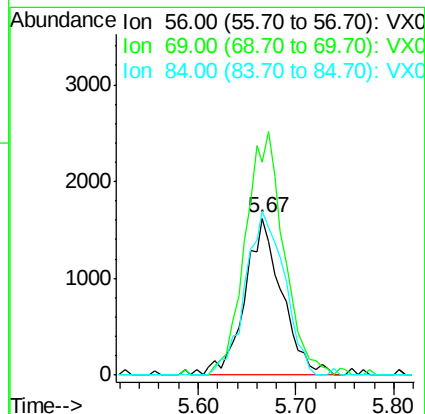
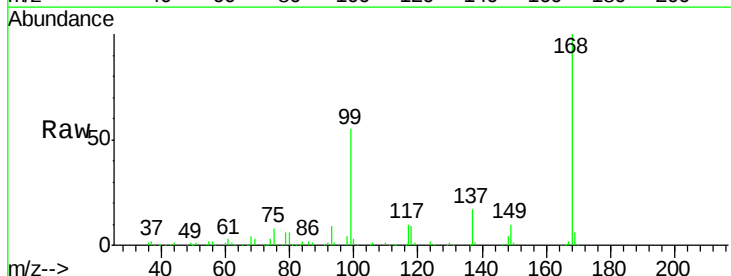
Delta R.T. 0.09 min

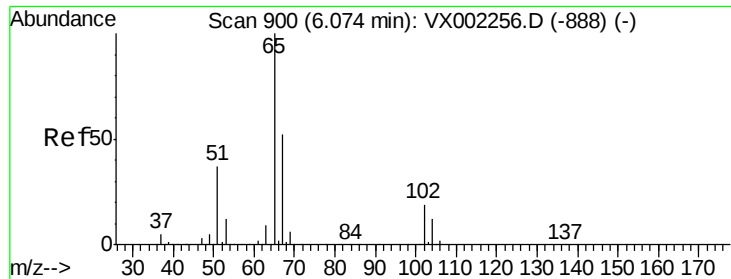
Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Tgt Ion: 56 Resp: 4257

Ion	Ratio	Lower	Upper
56	100		
69	135.7	23.7	35.5#
84	104.8	64.1	96.1#





#33

1,2-Dichloroethane-d4

Concen: 56.95 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

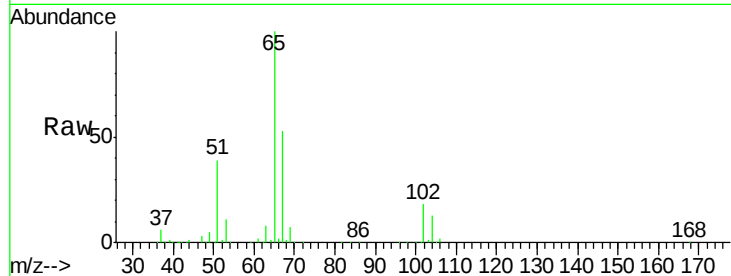
SS052MW126-180607

Tot Ion: 65 Resp: 162080

Ion Ratio Lower Upper

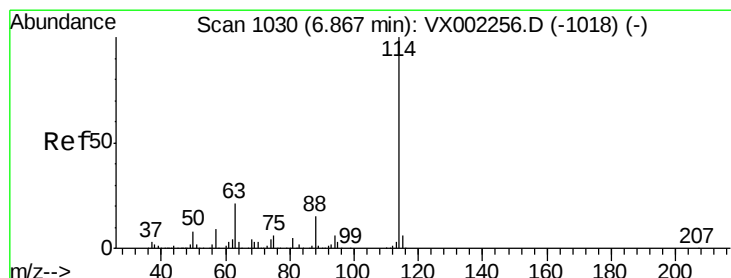
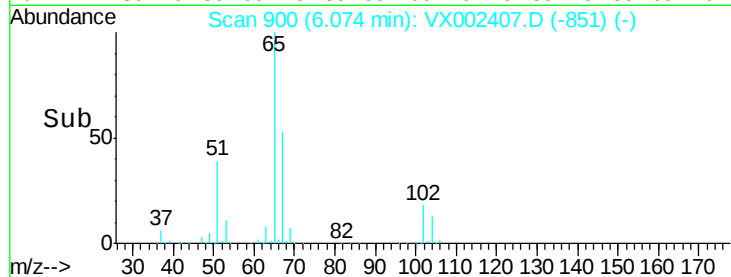
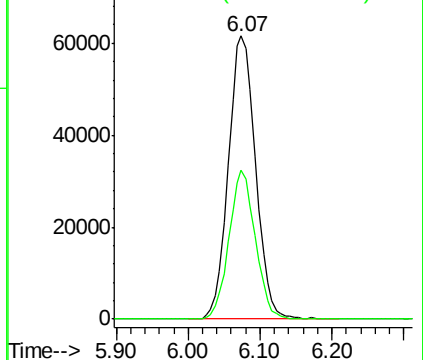
65 100

67 51.0 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: VX002407.D

Acq: 08 Jun 2018 17:37

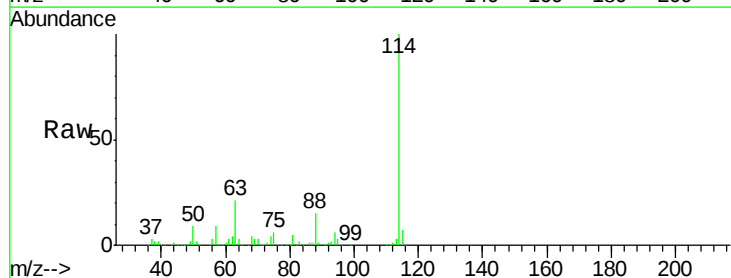
Tgt Ion: 114 Resp: 294083

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

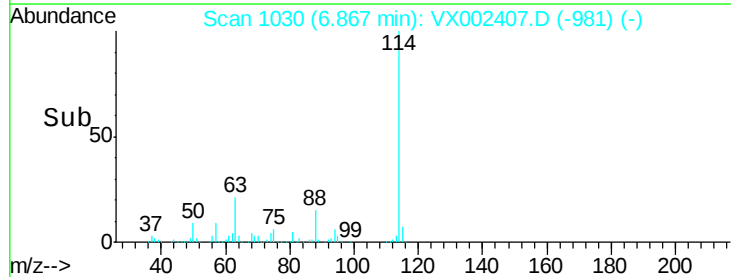
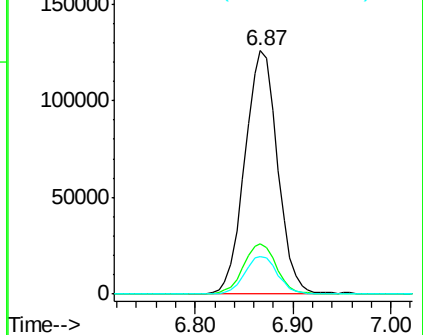
88 15.2 0.0 30.0

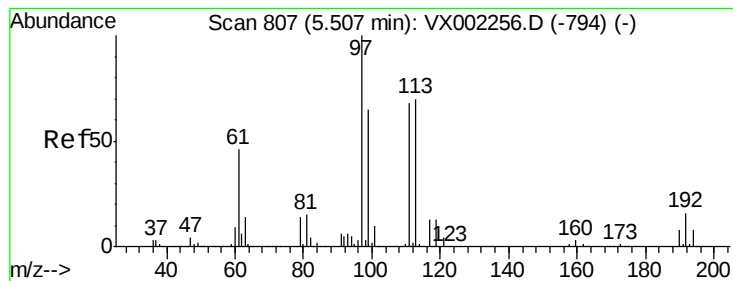


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.64 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW126-180607

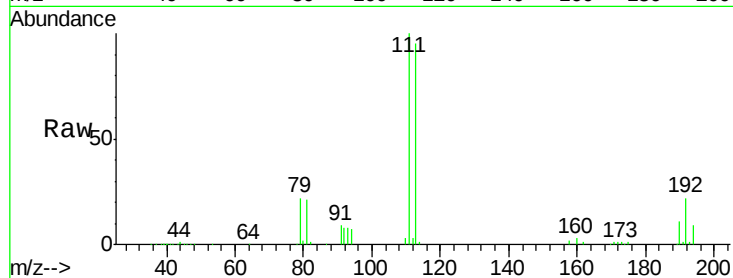
Tot Ion:113 Resp: 121732

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

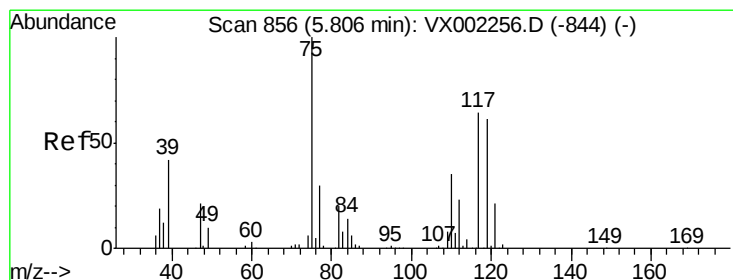
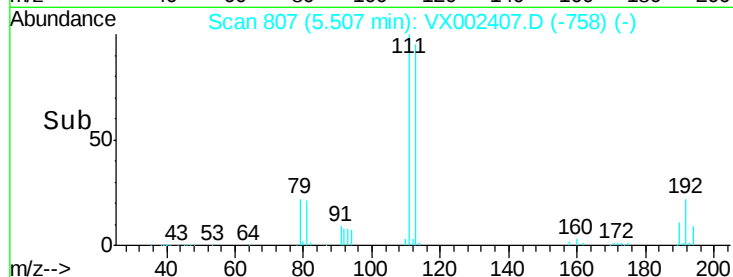
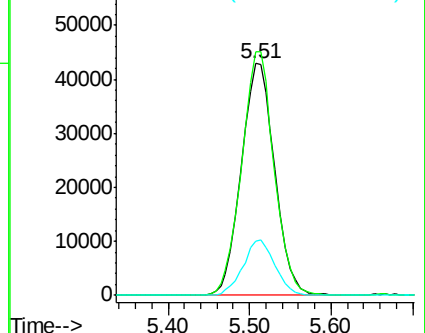
192 23.0 19.1 28.7



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: 4.63 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

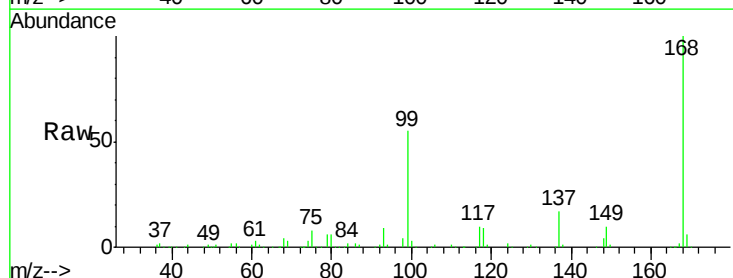
Tgt Ion: 75 Resp: 14322

Ion Ratio Lower Upper

75 100

110 11.9 18.1 54.4#

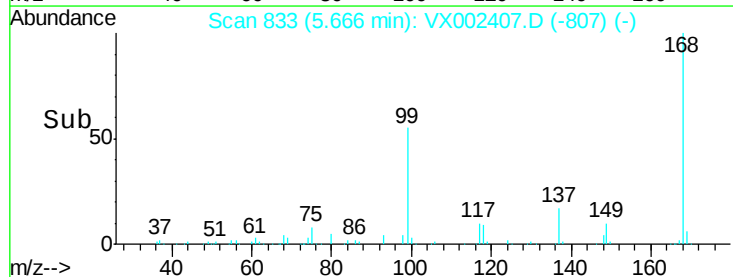
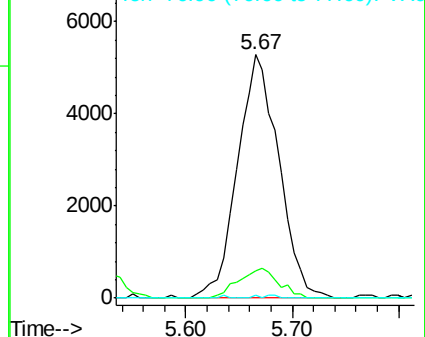
77 0.5 24.3 36.5#

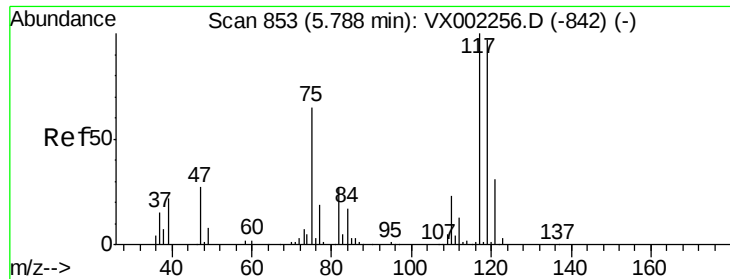


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

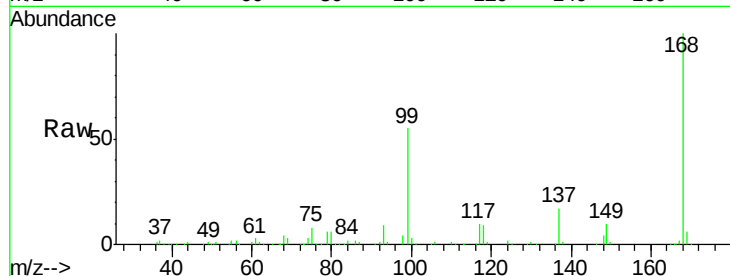




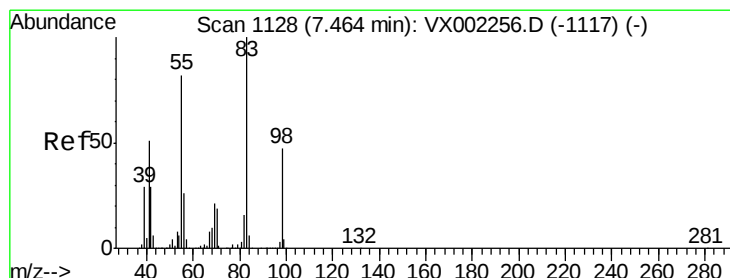
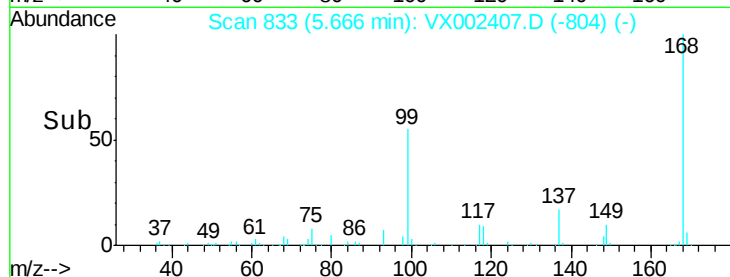
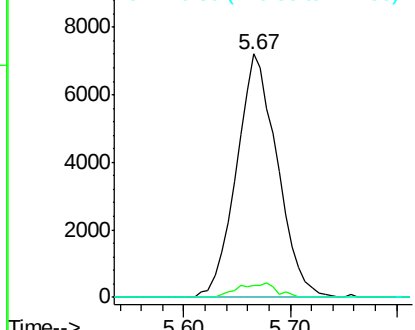
#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

Tot Ion:117 Resp: 19373
Ion Ratio Lower Upper
117 100
119 4.9 77.4 116.0#
121 0.0 24.4 36.6#

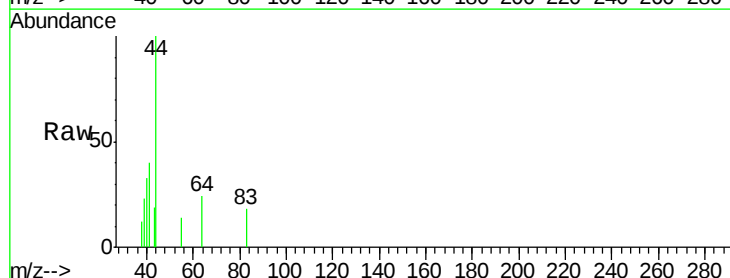


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

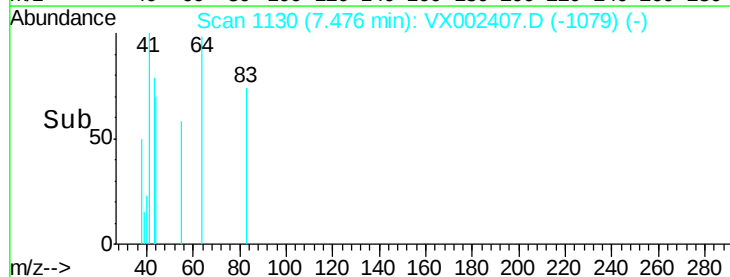
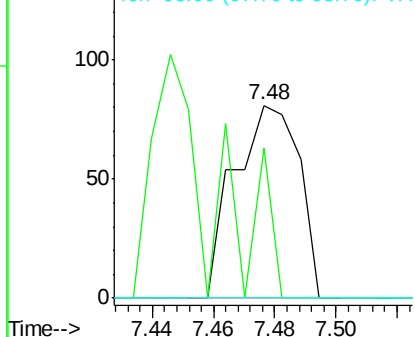


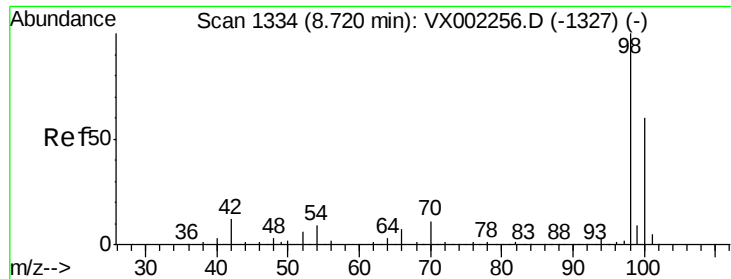
#39
Methylcyclohexane
Concen: 0.29 ug/l
RT: 7.48 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 83 Resp: 119
Ion Ratio Lower Upper
83 100
55 77.8 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

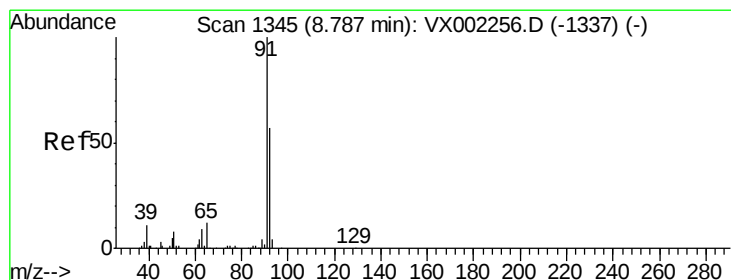
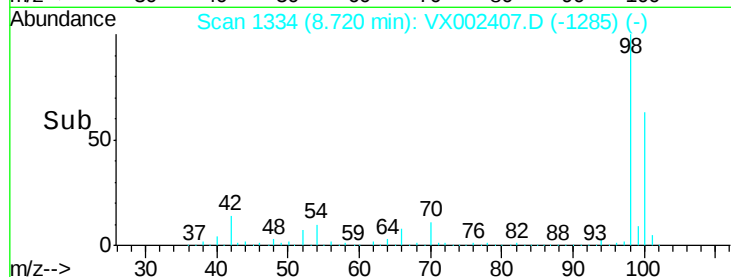
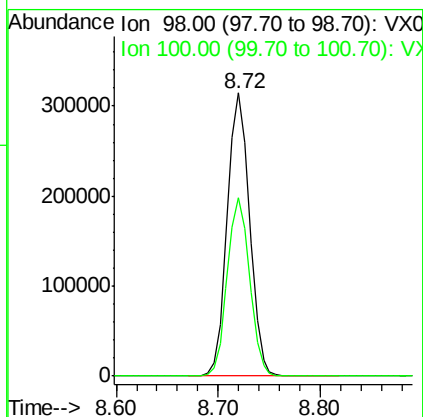
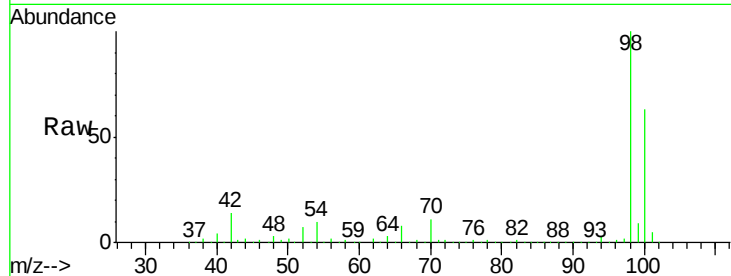




#50
Toluene-d8
Concen: 53.82 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

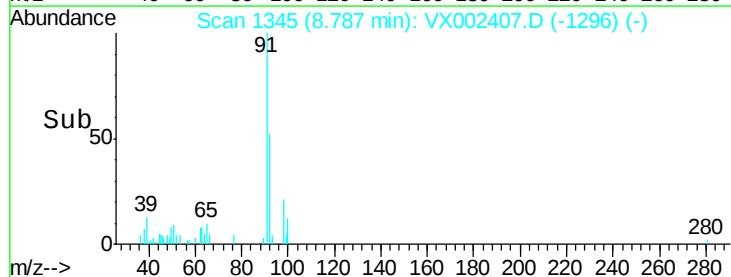
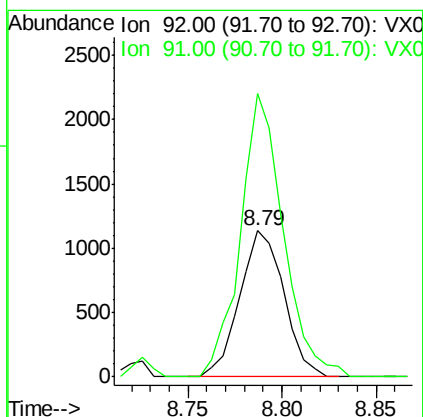
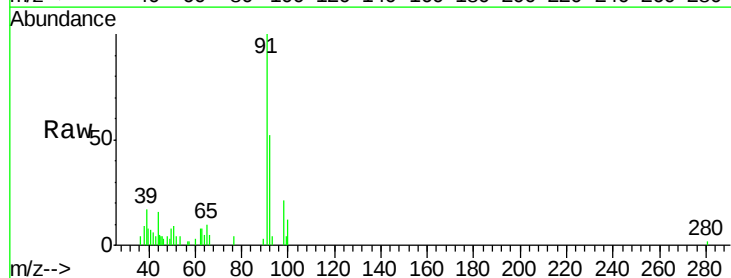
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

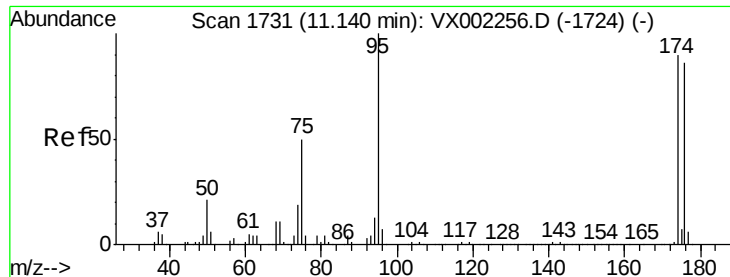
Tot Ion: 98 Resp: 477084
Ion Ratio Lower Upper
98 100
100 63.1 50.9 76.3



#52
Toluene
Concen: 0.31 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 92 Resp: 1844
Ion Ratio Lower Upper
92 100
91 188.2 140.4 210.6

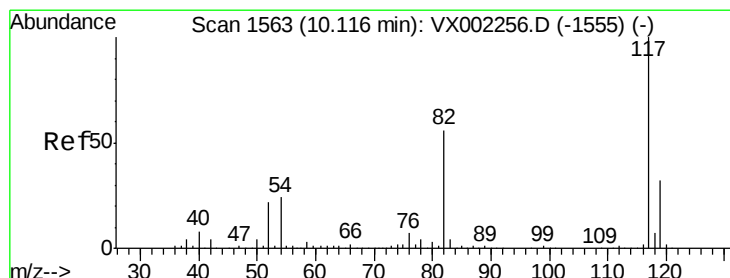
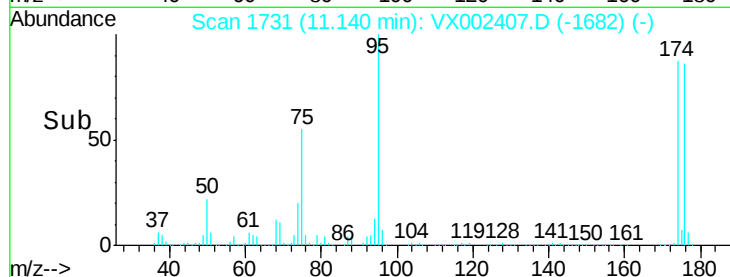
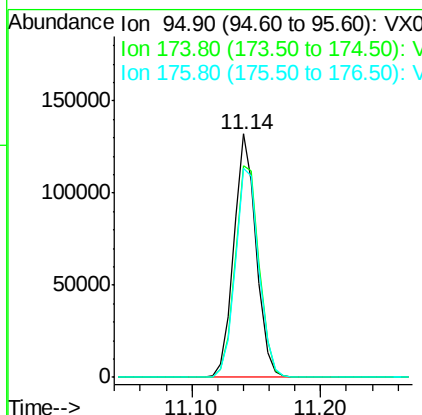
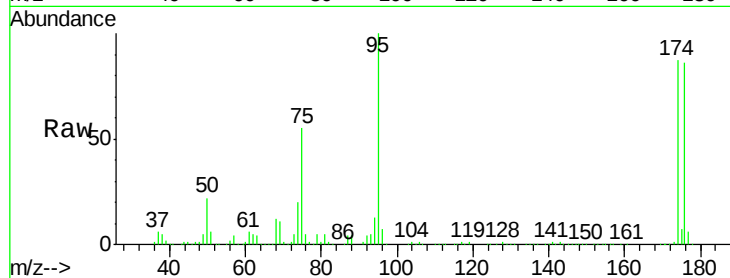




#62
4-Bromofluorobenzene
Concen: 46.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

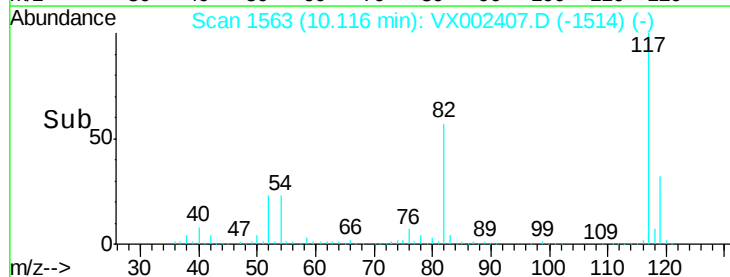
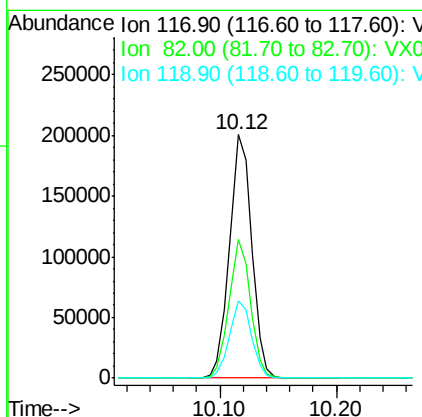
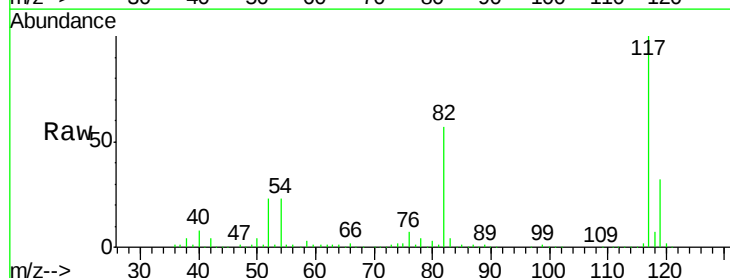
Instrument :
MSVOA_X
ClientSampleId :
SS052MW126-180607

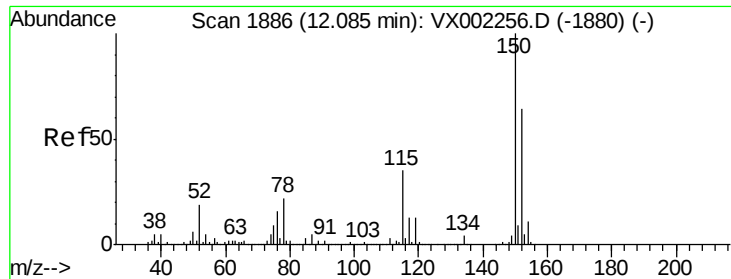
Tot Ion: 95 Resp: 159328
Ion Ratio Lower Upper
95 100
174 93.8 0.0 187.4
176 91.1 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002407.D
Acq: 08 Jun 2018 17:37

Tgt Ion: 117 Resp: 268286
Ion Ratio Lower Upper
117 100
82 56.7 45.0 67.4
119 31.9 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW126-180607

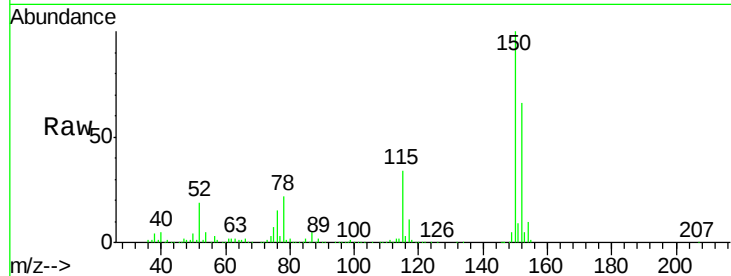
Tot Ion:152 Resp: 140605

Ion Ratio Lower Upper

152 100

115 55.1 40.1 120.2

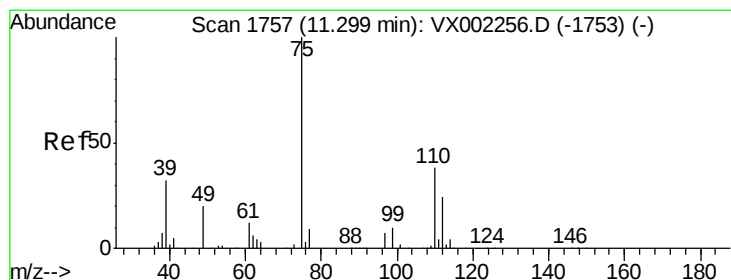
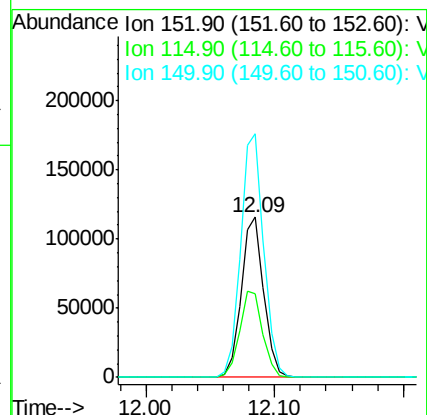
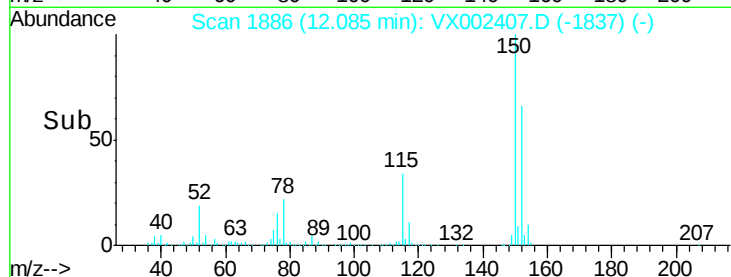
150 155.1 0.0 347.2



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: 28.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002407.D

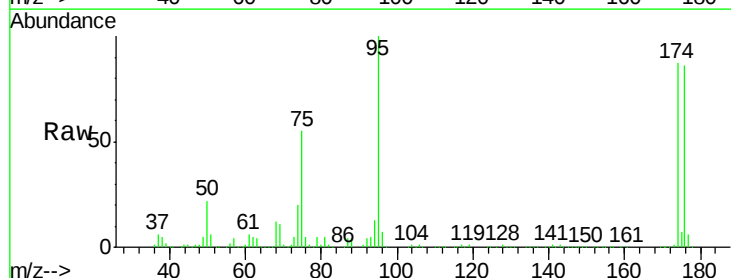
Acq: 08 Jun 2018 17:37

Tgt Ion: 75 Resp: 87710

Ion Ratio Lower Upper

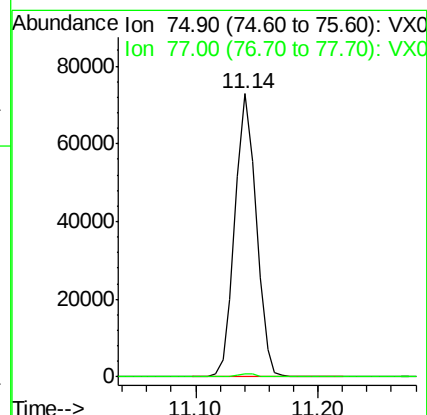
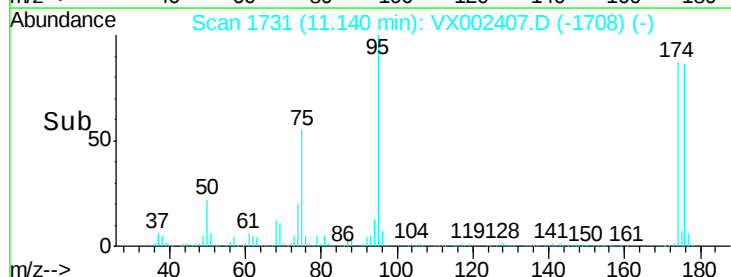
75 100

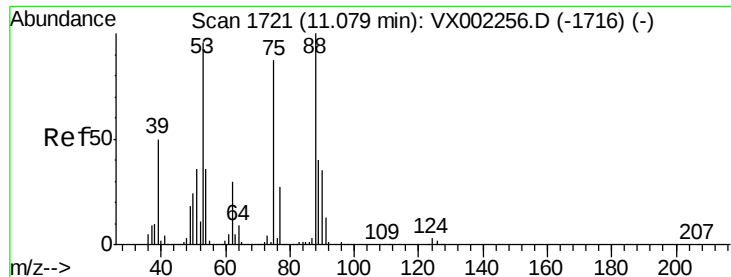
77 1.1 22.8 68.3#



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: 99.65 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002407.D

Acq: 08 Jun 2018 17:37

Instrument :

MSVOA_X

ClientSampleId :

SS052MW126-180607

Tot Ion: 75 Resp: 87710

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.0 38.2 57.2#

