

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002243.D
 Acq On : 02 Jun 2018 16:57
 Operator : JC/MD
 Sample : J3119-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-180521

Quant Time: Jun 04 05:08:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	258305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346739	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	191085	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	228843	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
35) Dibromofluoromethane	5.51	113	164758	44.31	ug/l	0.00
Spiked Amount			Recovery	=	88.62%	
50) Toluene-d8	8.72	98	657316	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.14	95	228406	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

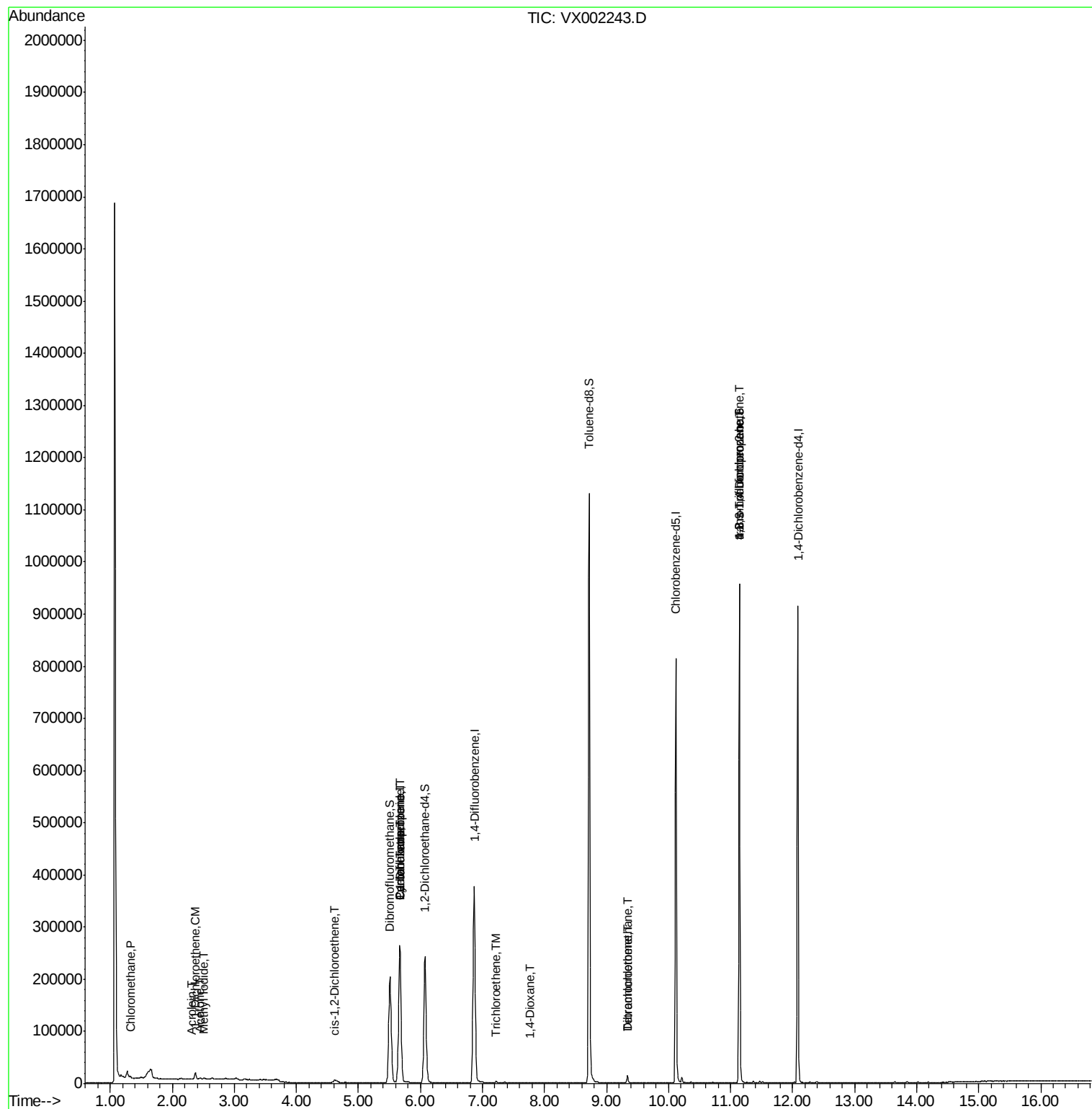
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	93	Below Cal	#	41
3) Chloromethane	1.32	50	1362	0.34	ug/l	98
10) Methyl Iodide	2.51	142	2028	0.47	ug/l	# 97
12) 1,1-Dichloroethene	2.37	96	3976	1.32	ug/l	94
13) Acrolein	2.30	56	176	0.45	ug/l	# 66
16) Acetone	2.45	43	3634	2.04	ug/l	94
18) Methyl Acetate	2.79	43	447	Below Cal	#	91
20) Methylene Chloride	2.86	84	726	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.15	96	296	Below Cal	#	65
27) cis-1,2-Dichloroethene	4.61	96	985	0.25	ug/l	# 7
28) Bromochloromethane	5.02	49	19	Below Cal	#	14
31) Cyclohexane	5.67	56	5590	0.88	ug/l	# 6
36) 1,1-Dichloropropene	5.67	75	18198	3.52	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	23751	3.94	ug/l	# 16
41) Methacrylonitrile	5.09	41	47	Below Cal	#	1
44) Trichloroethene	7.21	130	985	0.22	ug/l	85
49) 1,4-Dioxane	7.77	88	164	1.63	ug/l	# 68
60) Dibromochloromethane	9.34	129	2193	0.46	ug/l	# 11
64) Tetrachloroethene	9.34	164	2601	0.52	ug/l	# 87
74) N-amyl acetate	6.46	43	107	Below Cal	#	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	70	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	124756	27.18	ug/l	# 33
79) 2-Chlorotoluene	11.43	91	375	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	124756	65.33	ug/l	# 10

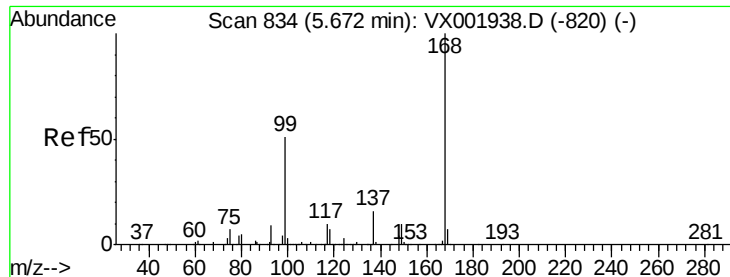
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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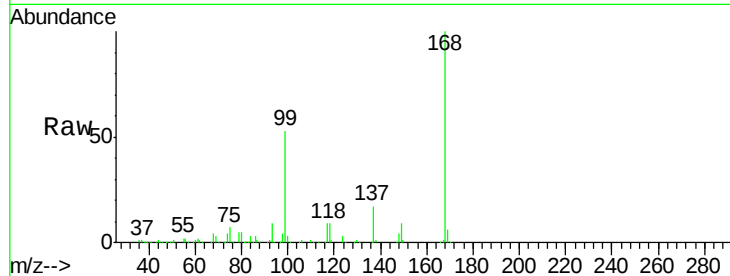


#1

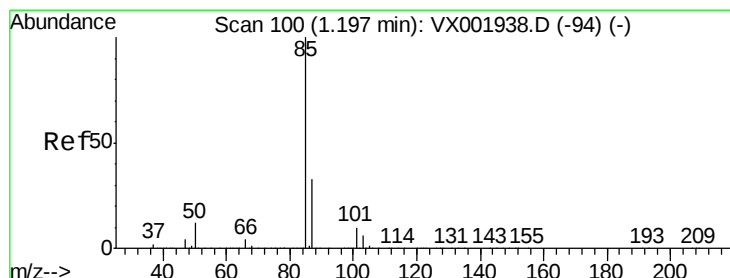
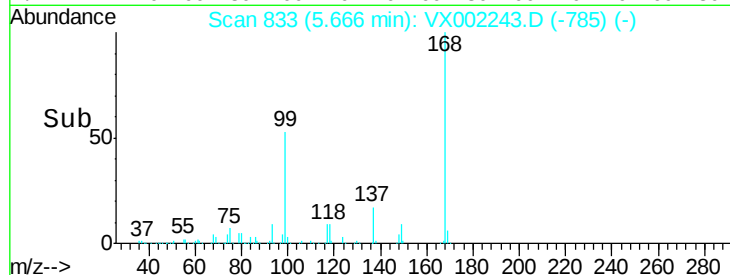
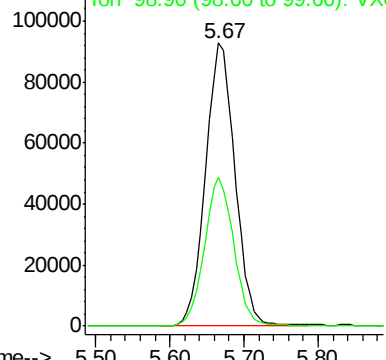
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-180521

Tot Ion:168 Resp: 258305
 Ion Ratio Lower Upper
 168 100
 99 52.5 41.0 61.4



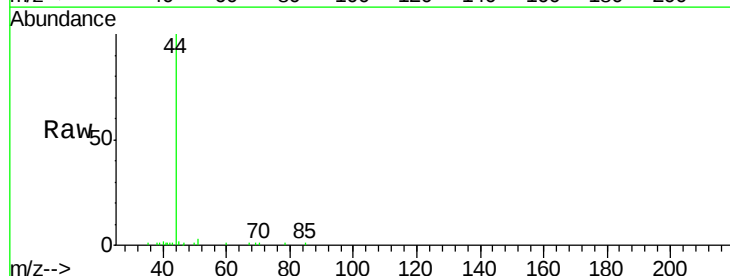
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VX0



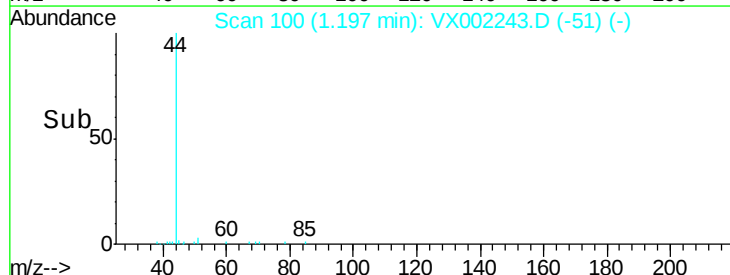
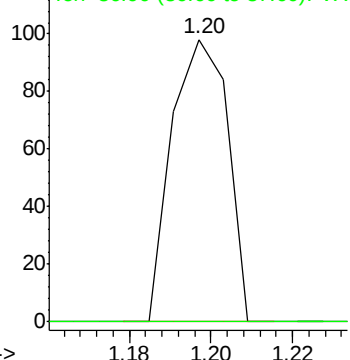
#2

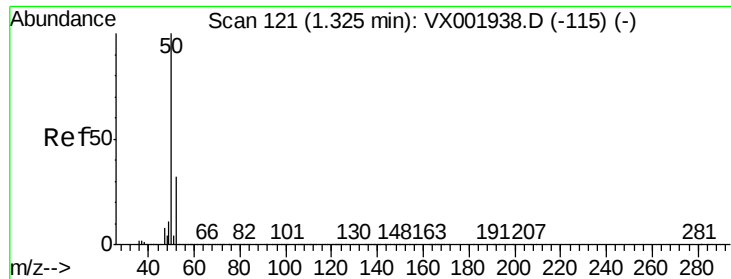
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.20 min Scan# 100
 Delta R.T. 0.00 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

Tgt Ion: 85 Resp: 93
 Ion Ratio Lower Upper
 85 100
 87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0
 Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.34 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

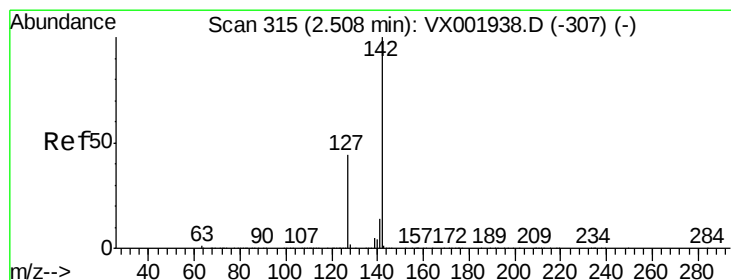
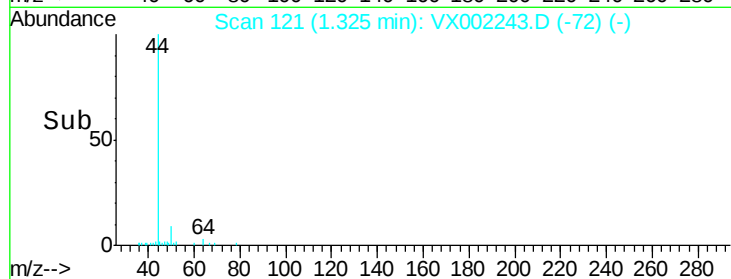
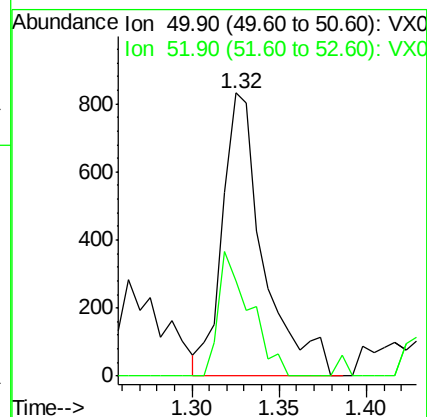
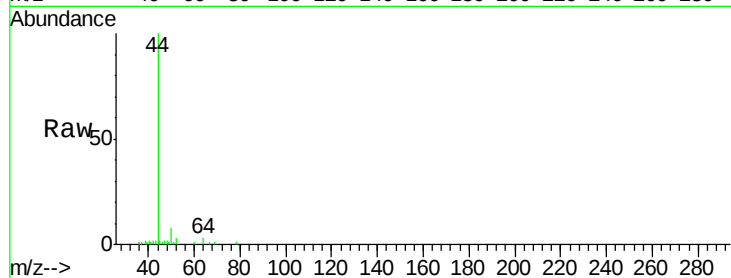
SS052MW737-180521

Tot Ion: 50 Resp: 1362

Ion Ratio Lower Upper

50 100

52 33.5 26.0 39.0



#10

Methyl Iodide

Concen: 0.47 ug/l

RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

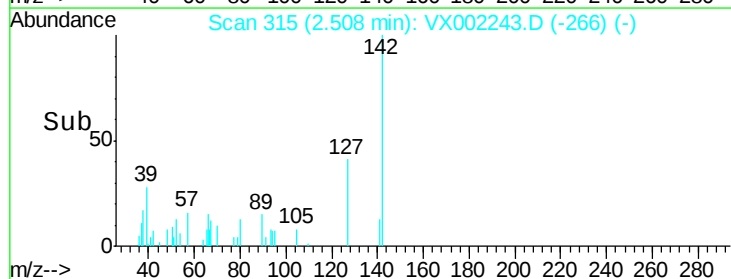
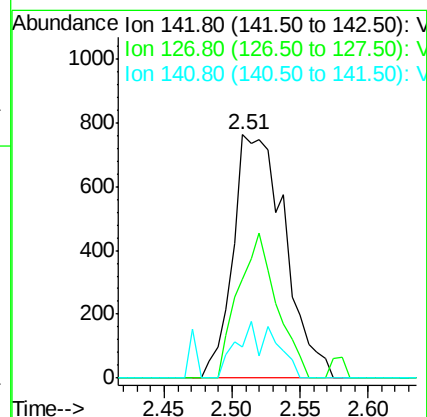
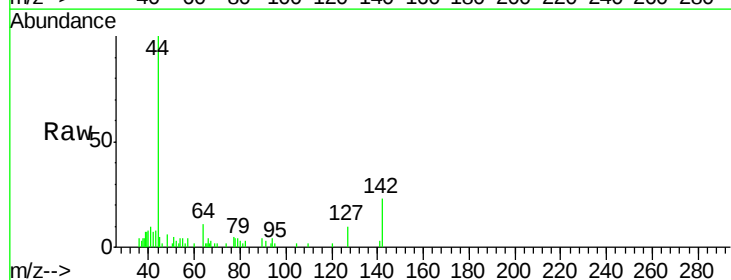
Tgt Ion: 142 Resp: 2028

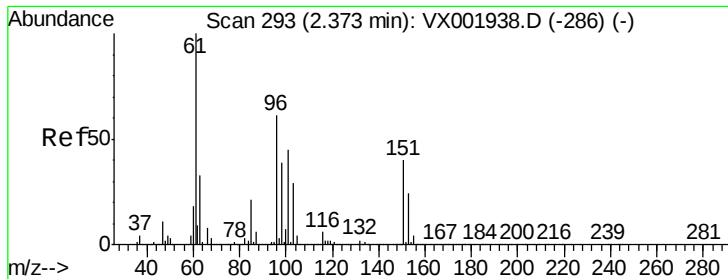
Ion Ratio Lower Upper

142 100

127 44.4 35.5 53.3

141 9.6 11.3 16.9#





#12

1,1-Dichloroethene

Concen: 1.32 ug/l

RT: 2.37 min Scan# 293

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

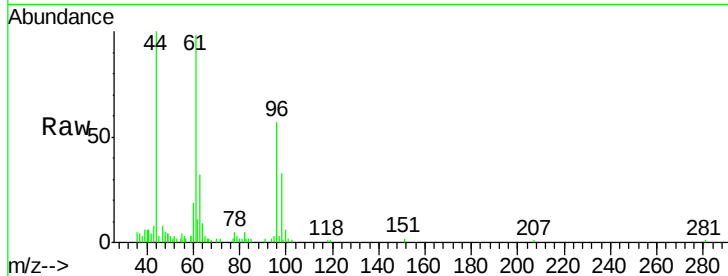
Tot Ion: 96 Resp: 3976

Ion Ratio Lower Upper

96 100

61 170.0 131.7 197.5

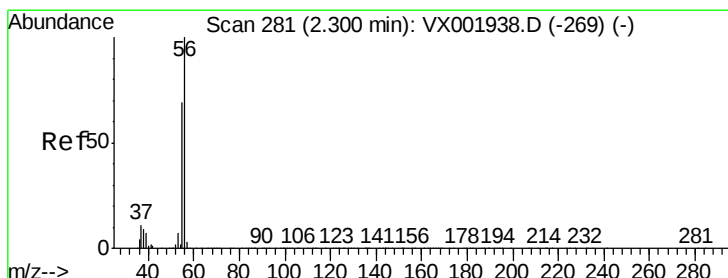
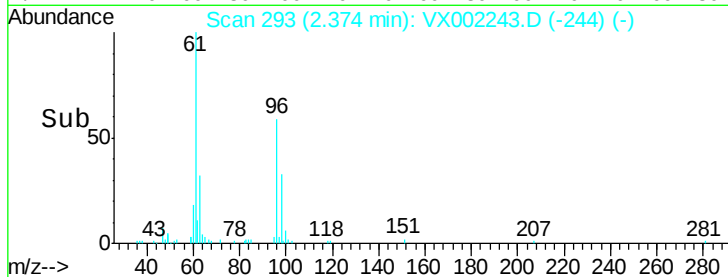
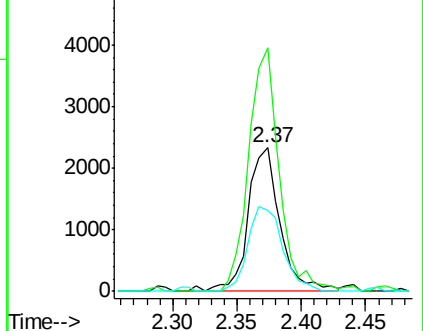
98 56.9 51.6 77.4



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



#13

Acrolein

Concen: 0.45 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX002243.D

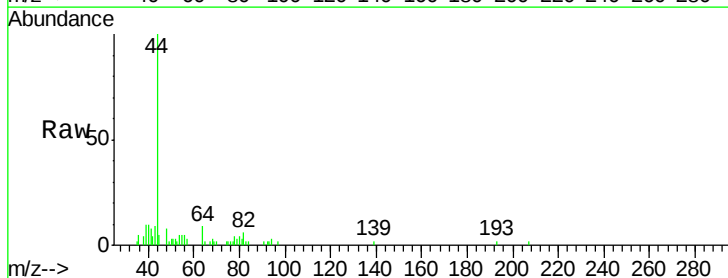
Acq: 02 Jun 2018 16:57

Tgt Ion: 56 Resp: 176

Ion Ratio Lower Upper

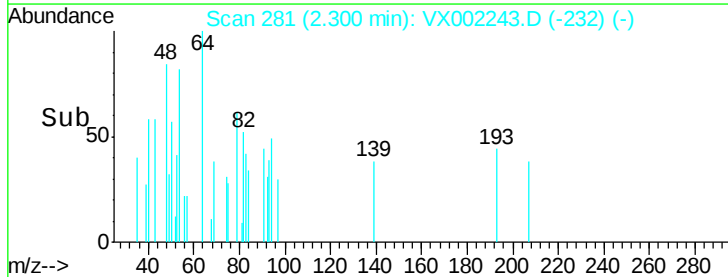
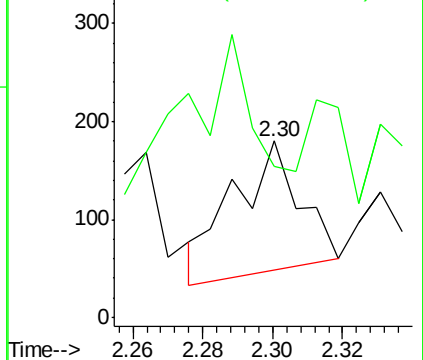
56 100

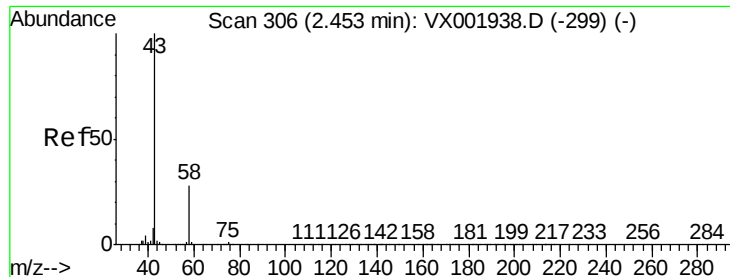
55 42.6 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.04 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

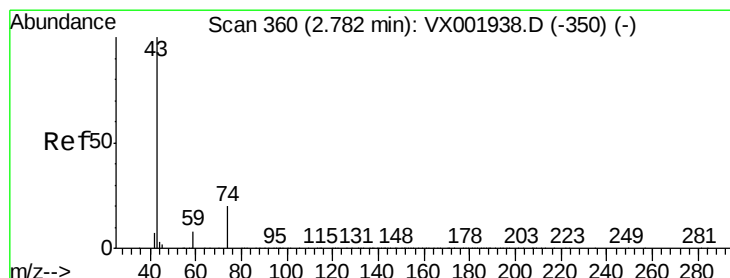
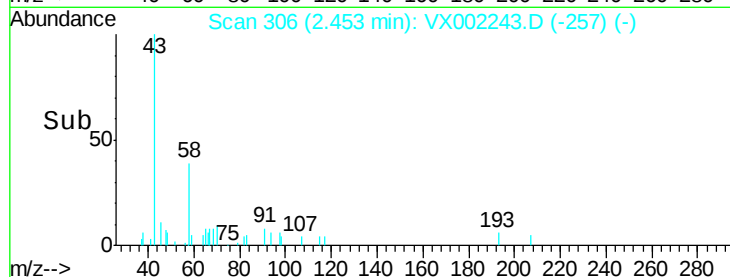
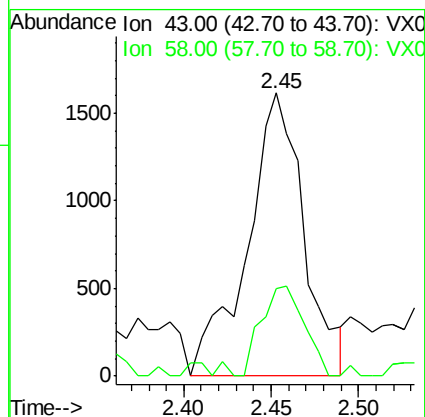
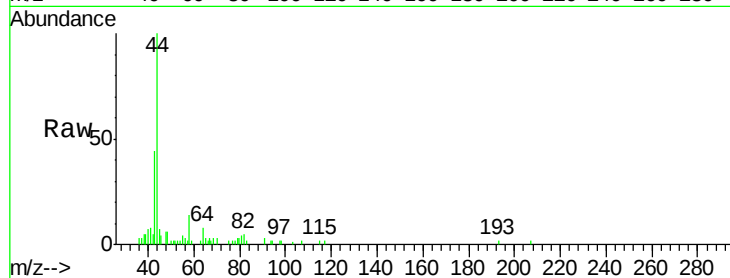
SS052MW737-180521

Tot Ion: 43 Resp: 3634

Ion Ratio Lower Upper

43 100

58 31.1 22.3 33.5



#18

Methyl Acetate

Concen: Below Cal

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002243.D

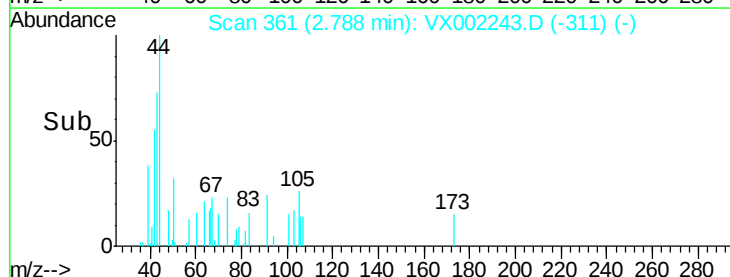
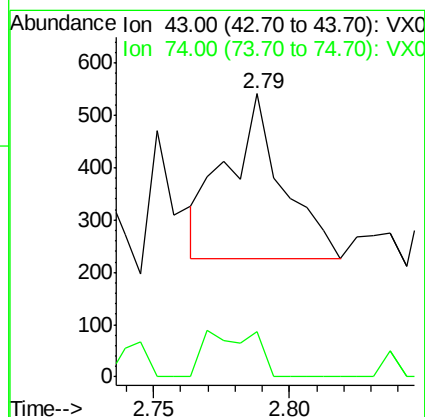
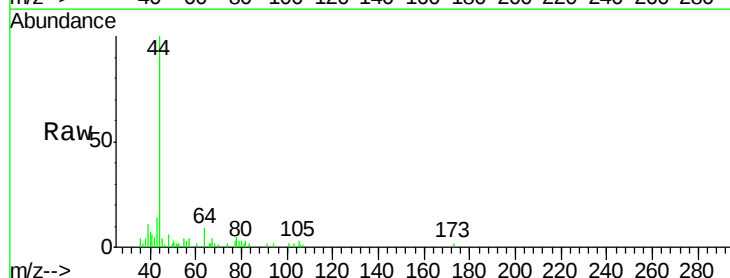
Acq: 02 Jun 2018 16:57

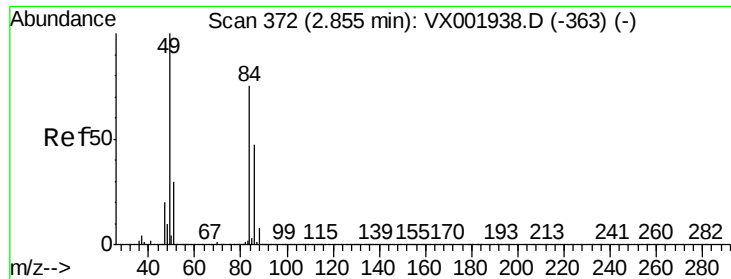
Tgt Ion: 43 Resp: 447

Ion Ratio Lower Upper

43 100

74 25.3 16.8 25.2#



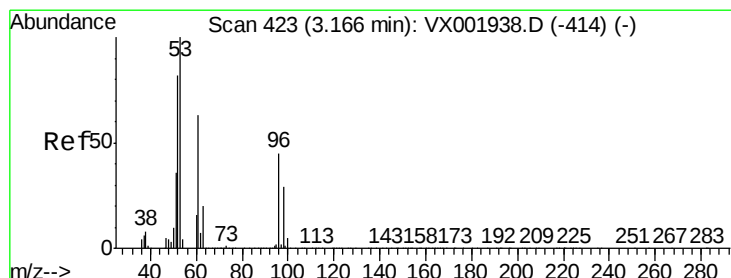
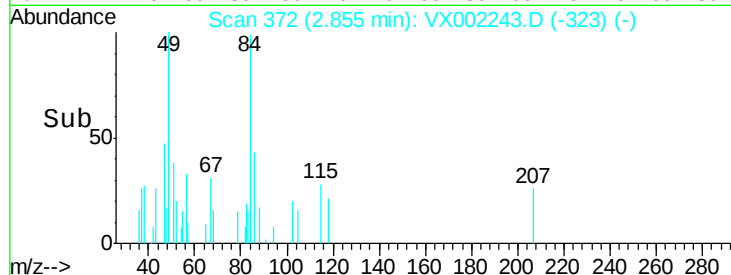
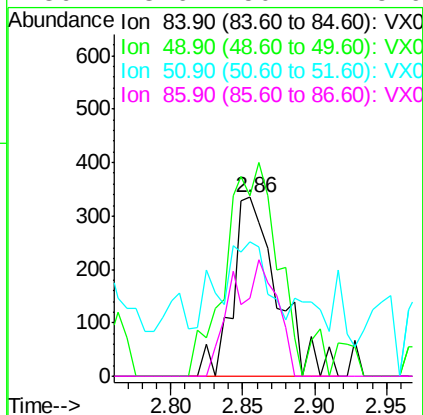
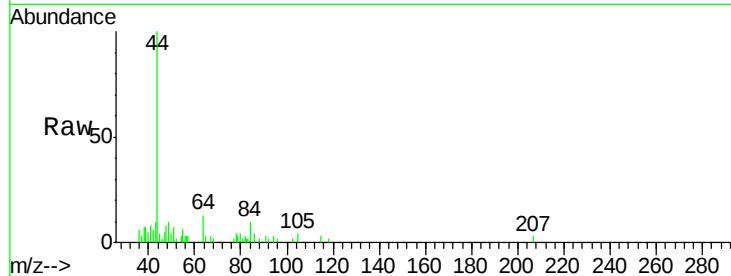


#20

Methylene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-180521

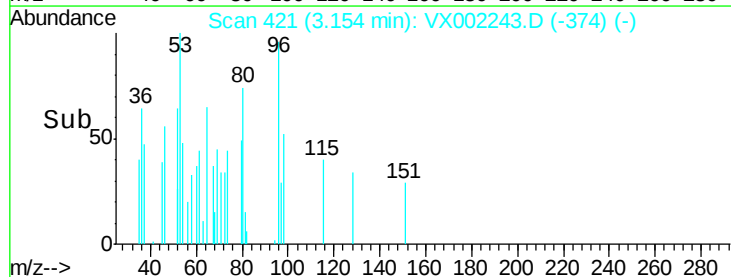
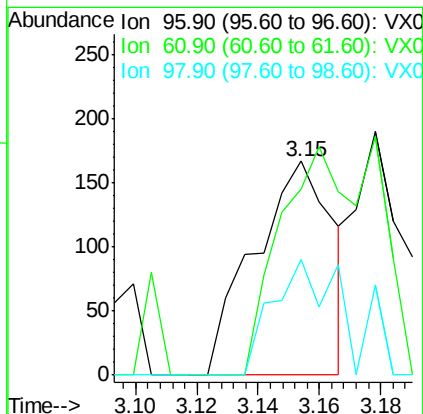
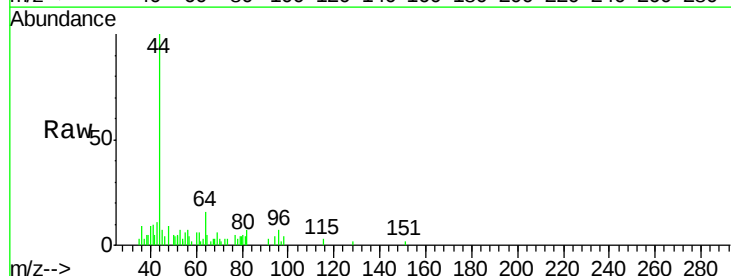
Tot Ion	Ratio	Lower	Upper
84	100		
49	100.9	107.2	160.8#
51	48.7	32.4	48.6#
86	43.6	50.4	75.6#

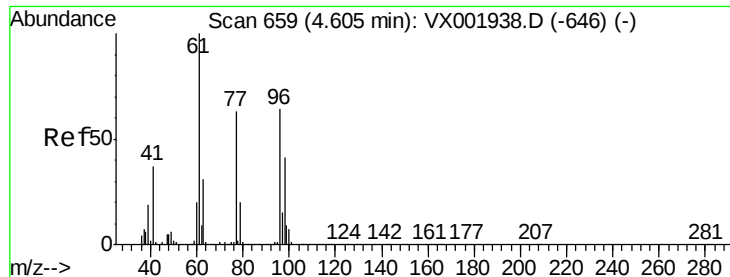


#21

trans-1,2-Dichloroethene
 Concen: Below Cal
 RT: 3.15 min Scan# 421
 Delta R.T. -0.01 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	86.8	113.3	169.9#
98	53.9	51.7	77.5





#27

cis-1,2-Dichloroethene

Concen: 0.25 ug/l

RT: 4.61 min Scan# 660

Delta R.T. 0.01 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

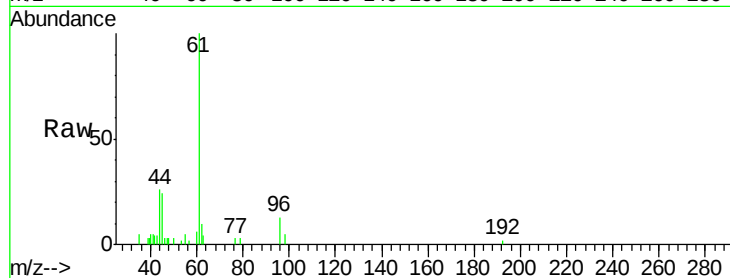
Tot Ion: 96 Resp: 985

Ion Ratio Lower Upper

96 100

61 0.0 0.0 348.4

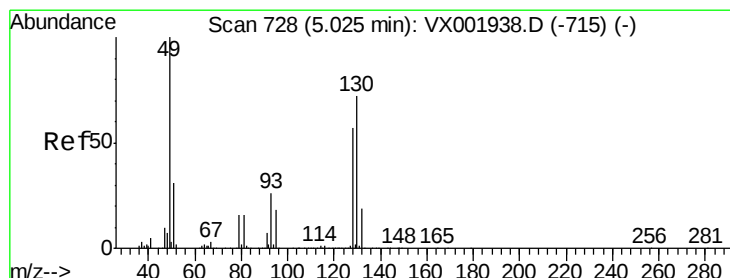
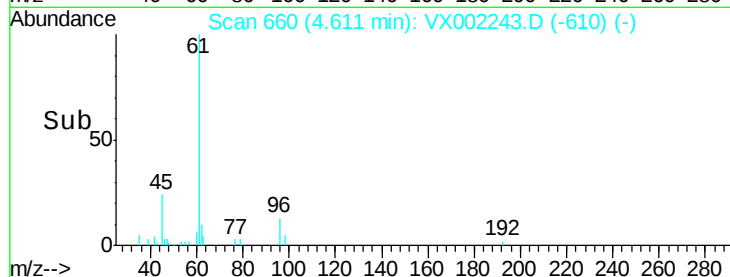
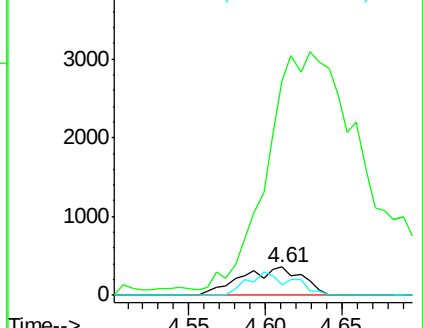
98 61.1 0.0 128.6



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



#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 727

Delta R.T. -0.01 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

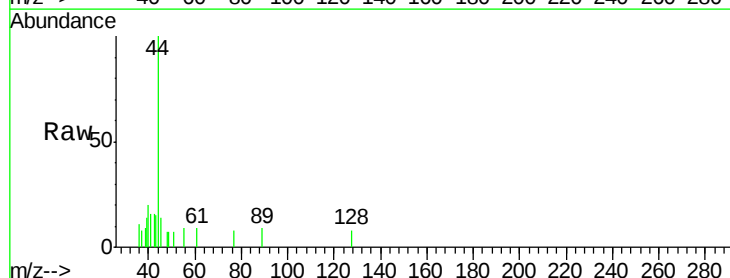
Tgt Ion: 49 Resp: 19

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

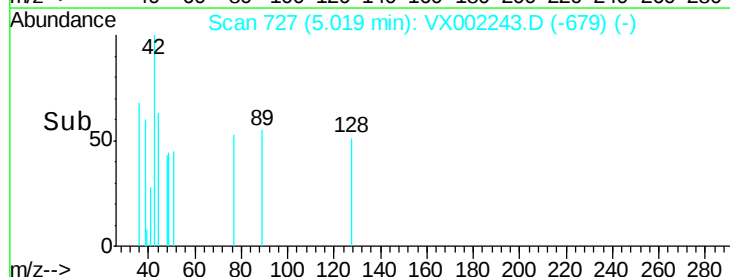
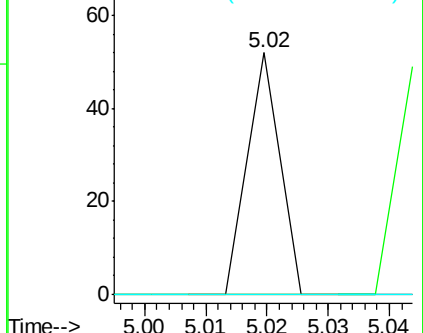
130 0.0 59.4 89.2#

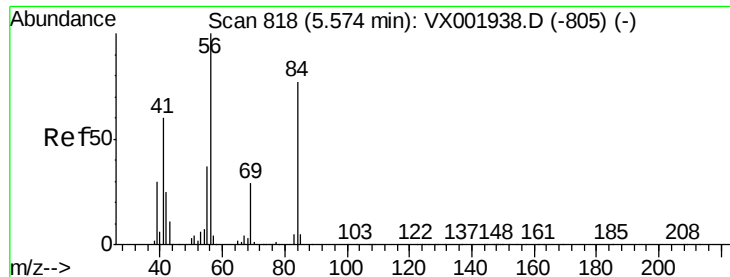


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

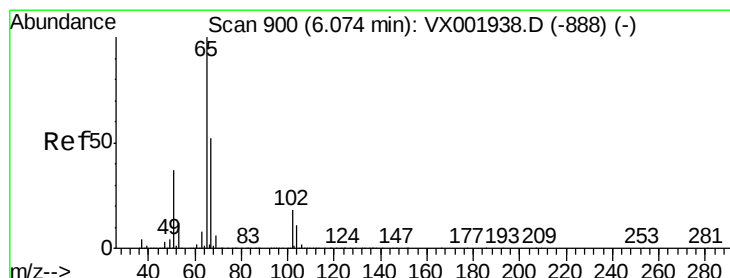
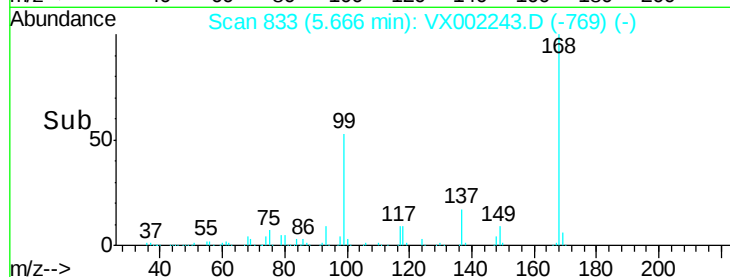
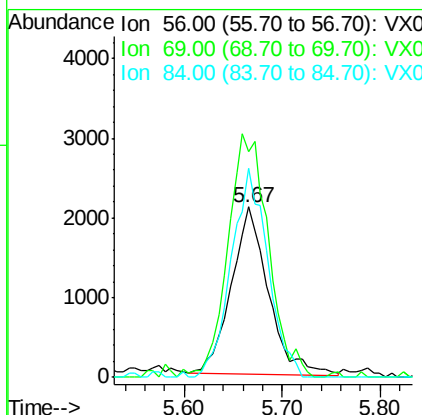
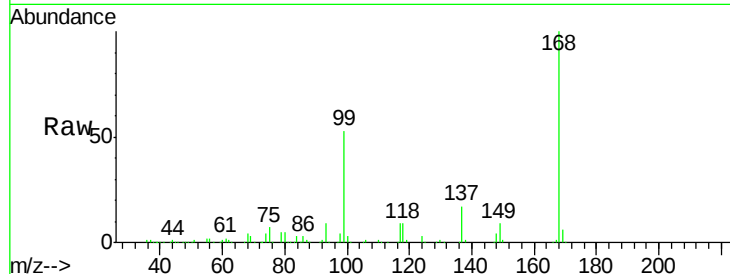




#31
Cyclohexane
Concen: 0.88 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX002243.D
Acq: 02 Jun 2018 16:57

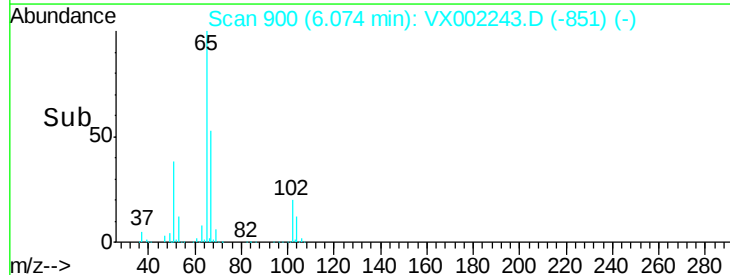
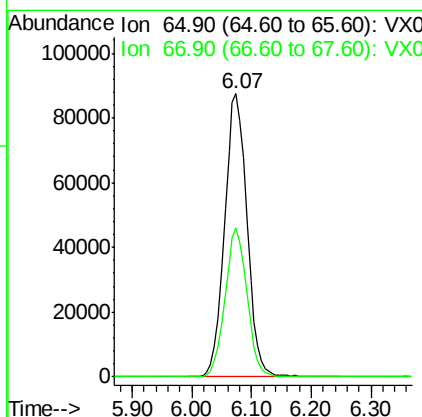
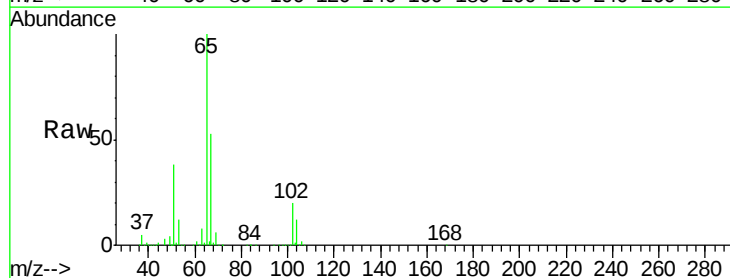
Instrument :
MSVOA_X
ClientSampleId :
SS052MW737-180521

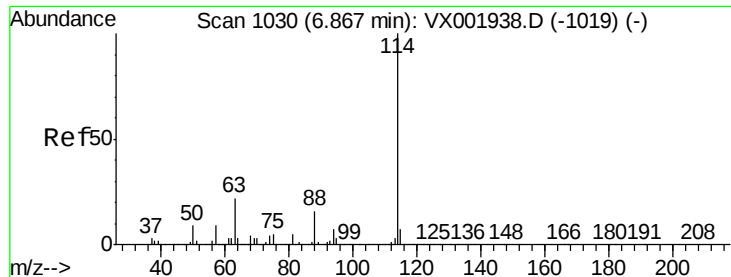
Tot Ion: 56 Resp: 5590
Ion Ratio Lower Upper
56 100
69 133.0 23.1 34.7#
84 125.9 62.0 93.0#



#33
1,2-Dichloroethane-d4
Concen: 49.56 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002243.D
Acq: 02 Jun 2018 16:57

Tgt Ion: 65 Resp: 228843
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

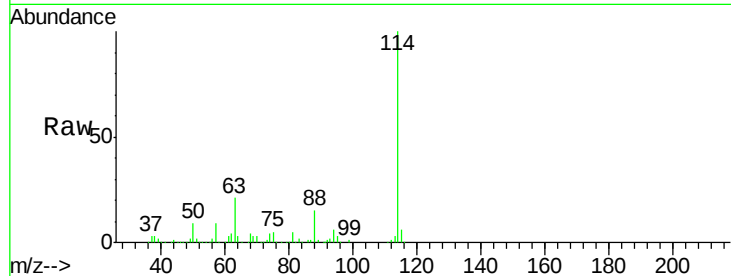
Tot Ion:114 Resp: 371802

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

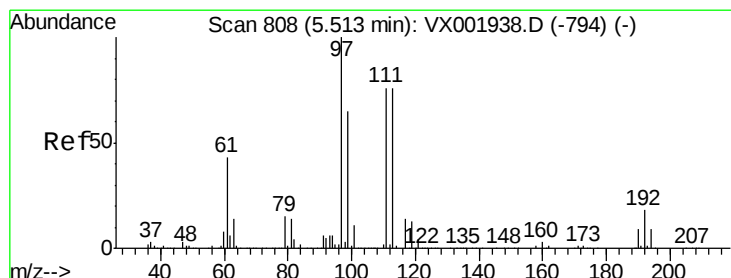
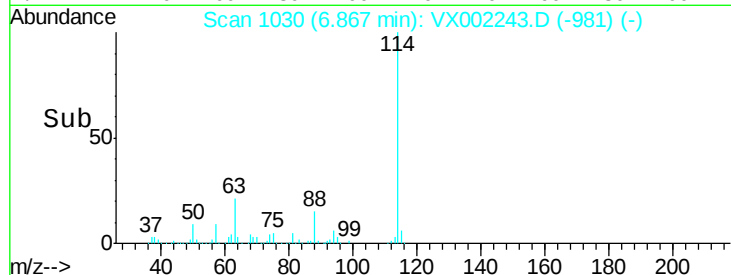
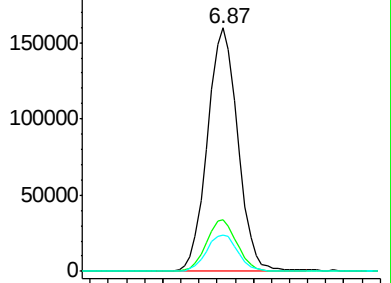
88 14.7 0.0 31.6



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: 44.31 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

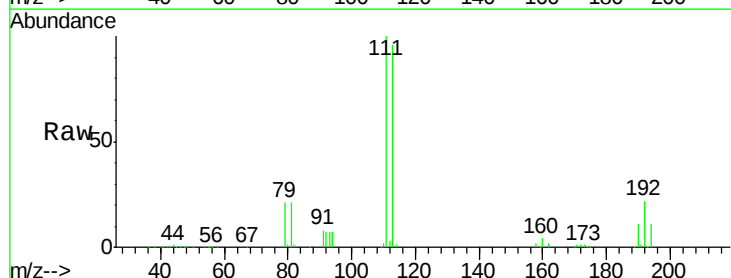
Tgt Ion:113 Resp: 164758

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

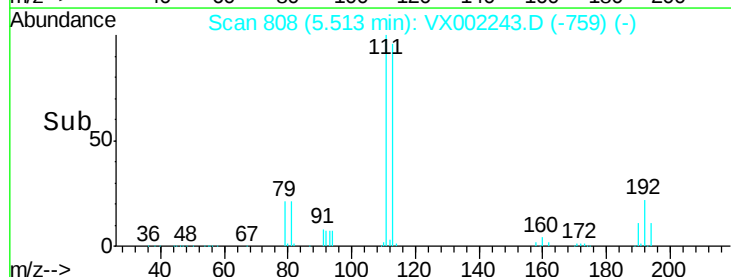
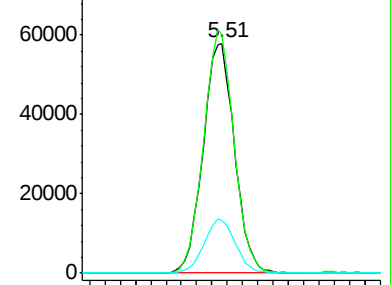
192 23.3 18.9 28.3

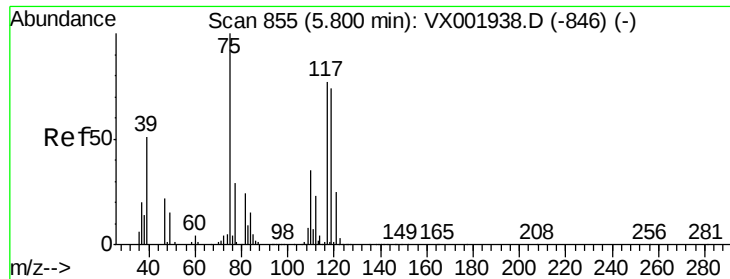


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

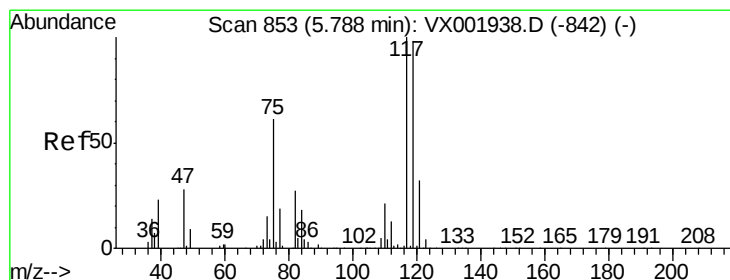
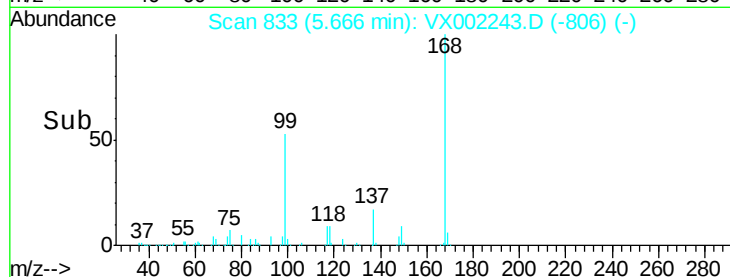
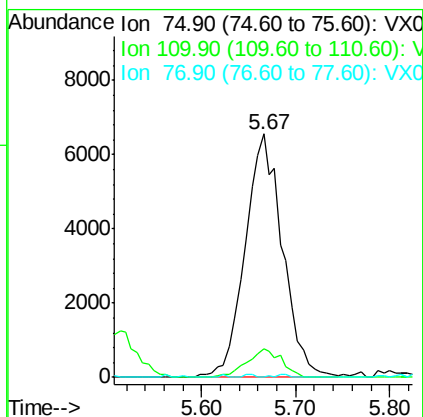
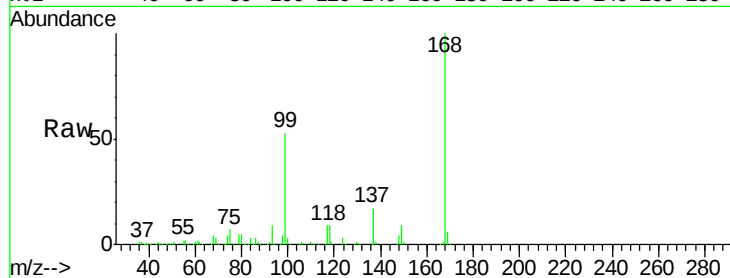




#36
 1,1-Dichloropropene
 Concen: 3.52 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

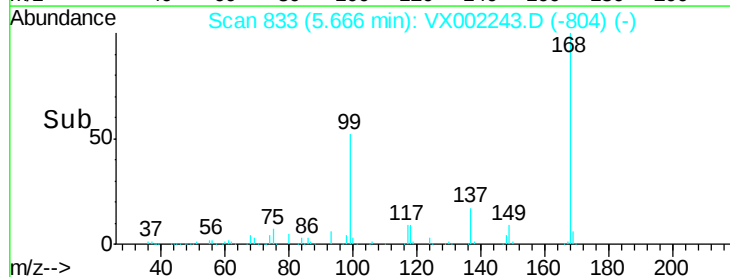
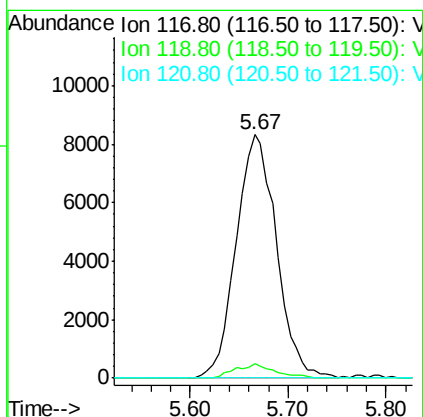
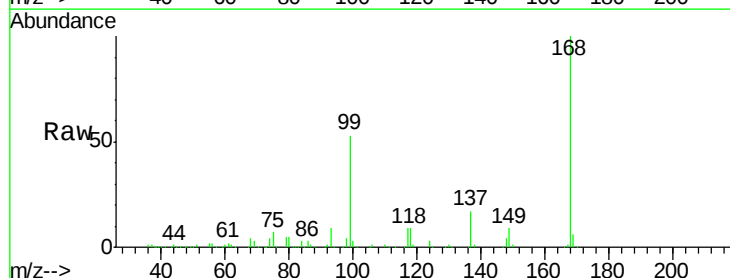
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW737-180521

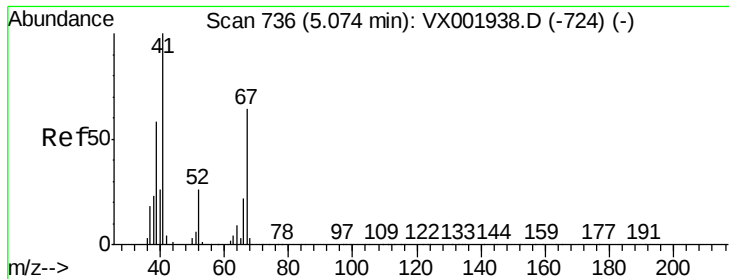
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.8	17.4	52.2#
77	0.3	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 3.94 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX002243.D
 Acq: 02 Jun 2018 16:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.9	78.5	117.7#
121	0.0	25.5	38.3#





#41

Methacrylonitrile

Concen: Below Cal

RT: 5.09 min Scan# 739

Delta R.T. 0.02 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

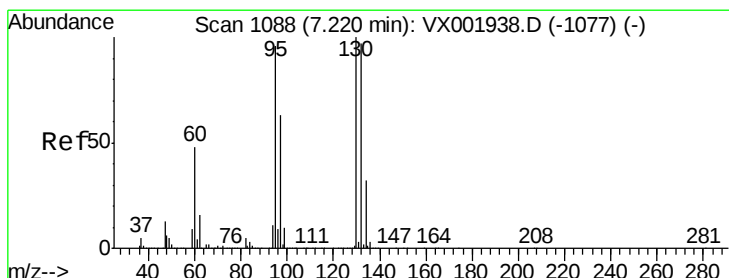
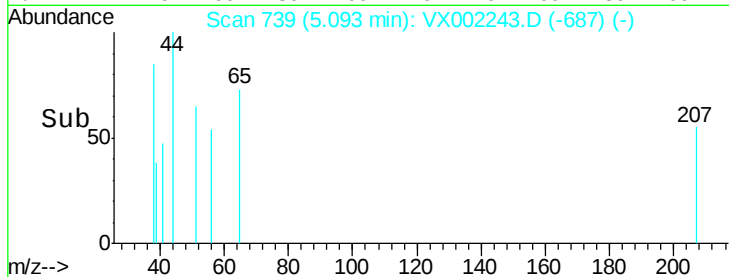
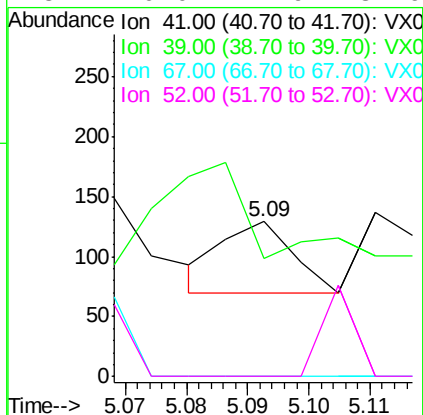
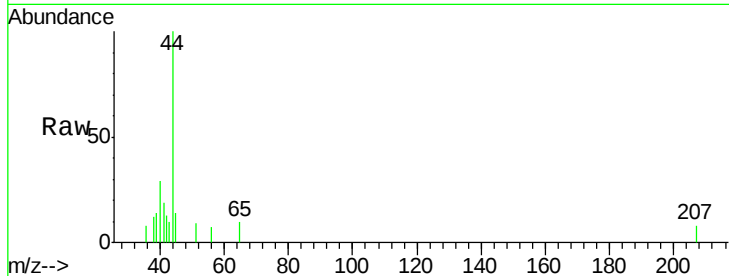
Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

Tot Ion:	41	Resp:	47
Ion	Ratio	Lower	Upper
41	100		
39	221.3	46.0	69.0#
67	0.0	50.6	75.8#
52	0.0	21.9	32.9#



#44

Trichloroethene

Concen: 0.22 ug/l

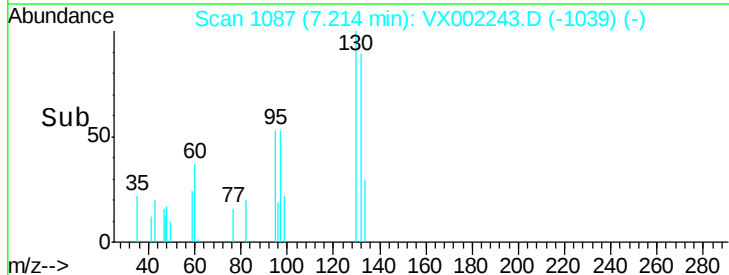
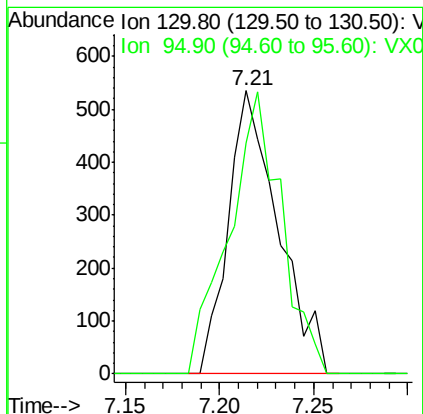
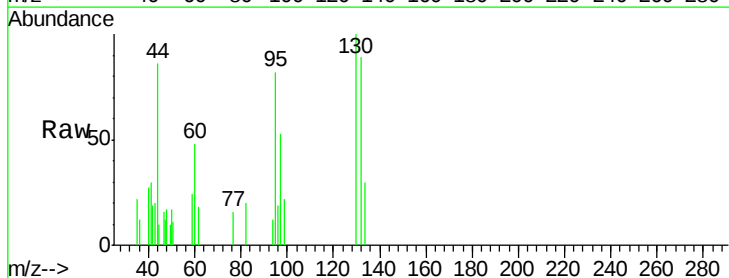
RT: 7.21 min Scan# 1087

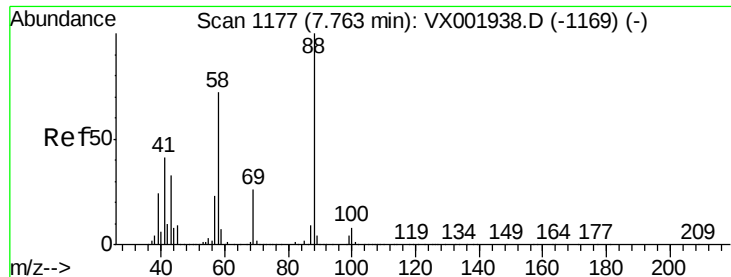
Delta R.T. -0.01 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Tgt Ion:	130	Resp:	985
Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	192.0





#49

1,4-Dioxane

Concen: 1.63 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

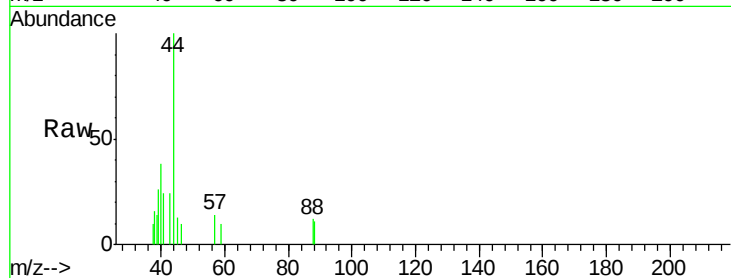
MSVOA_X

ClientSampleId :

SS052MW737-180521

Tot Ion: 88 Resp: 164

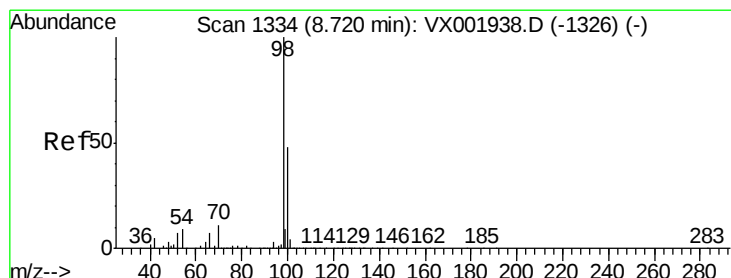
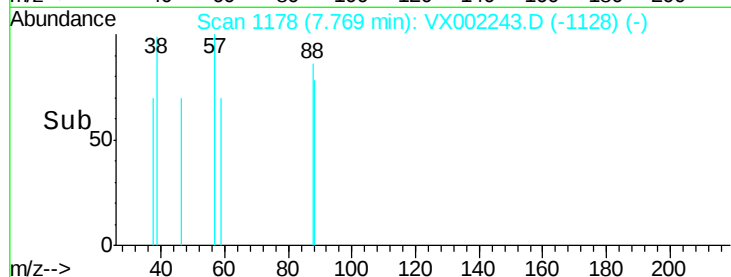
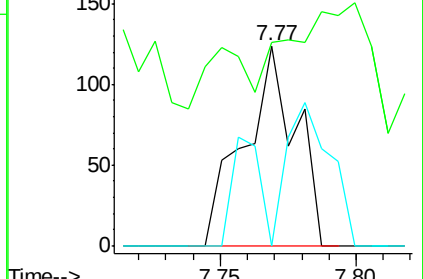
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.8	44.8#
58	59.8	58.7	88.1



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.83 ug/l

RT: 8.72 min Scan# 1334

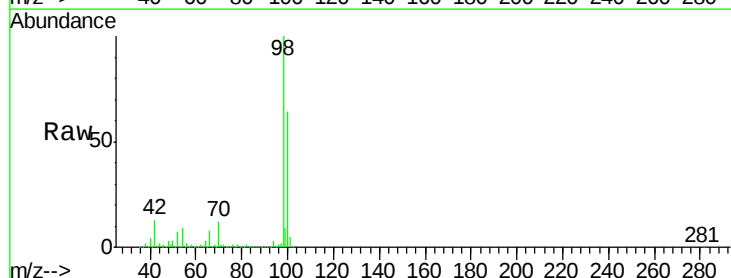
Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

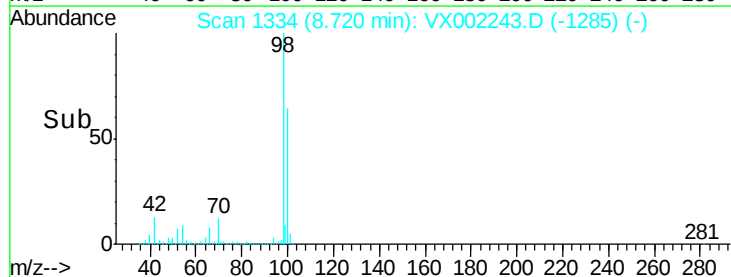
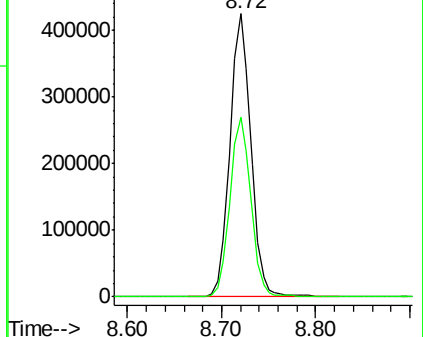
Tgt Ion: 98 Resp: 657316

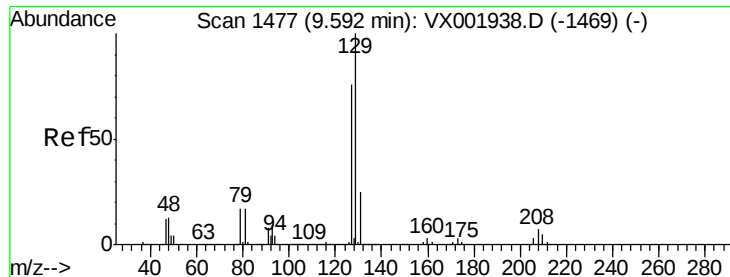
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 0.46 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

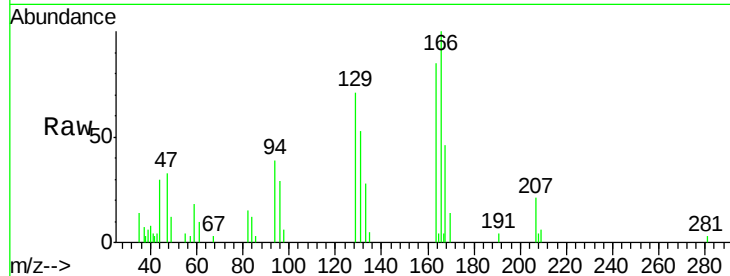
SS052MW737-180521

Tot Ion:129 Resp: 2193

Ion Ratio Lower Upper

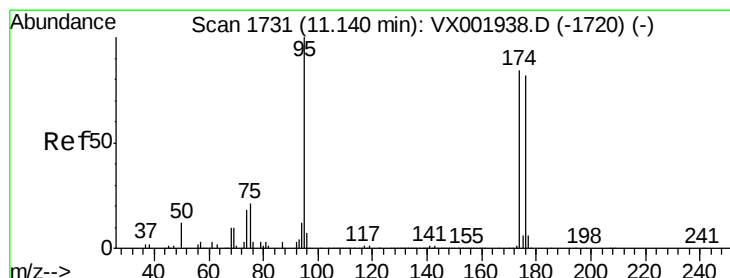
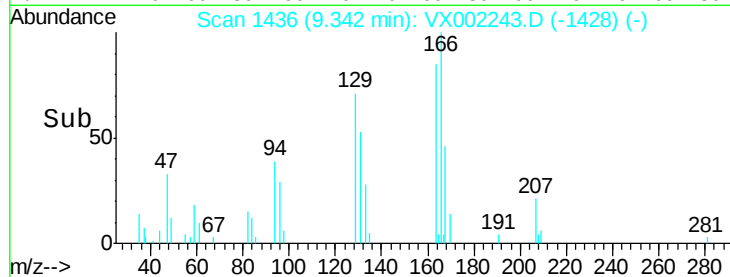
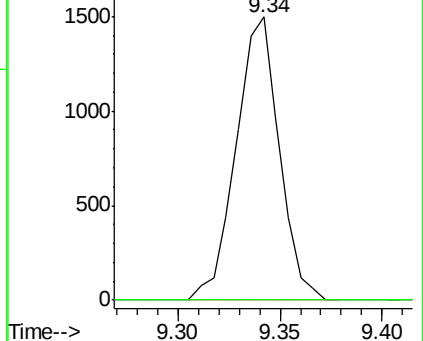
129 100

127 0.0 38.3 114.9#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

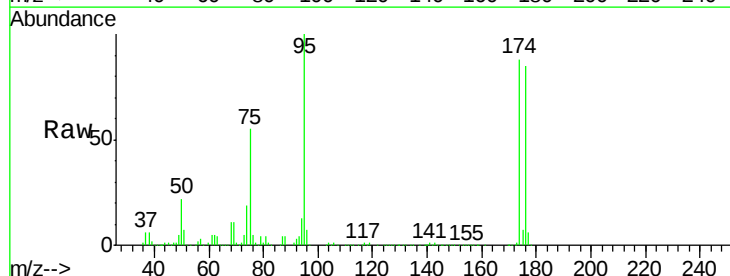
Tgt Ion: 95 Resp: 228406

Ion Ratio Lower Upper

95 100

174 93.0 0.0 178.8

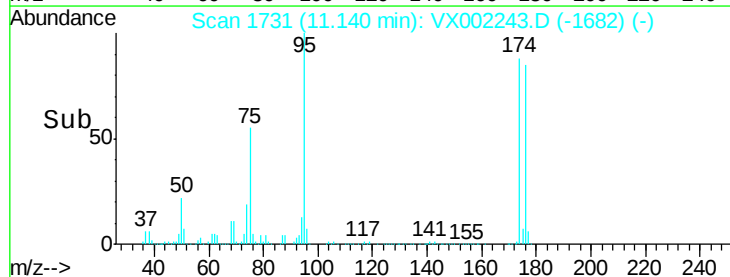
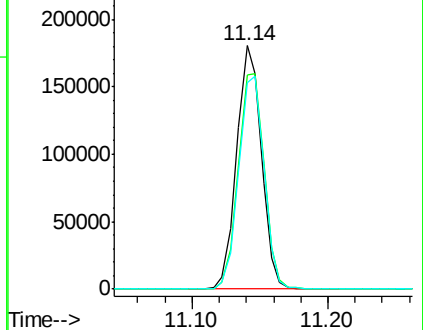
176 90.1 0.0 175.6

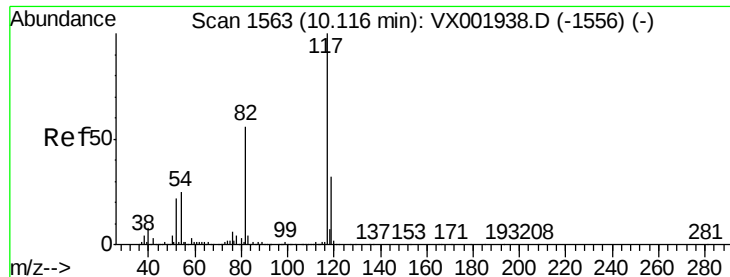


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

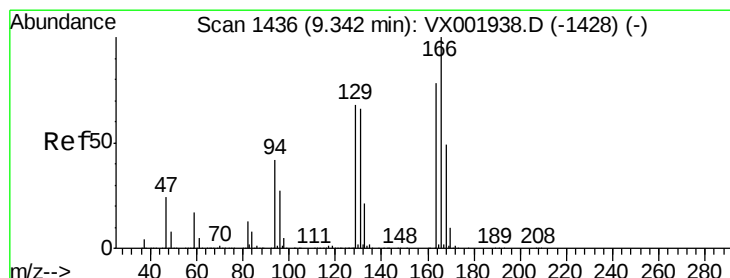
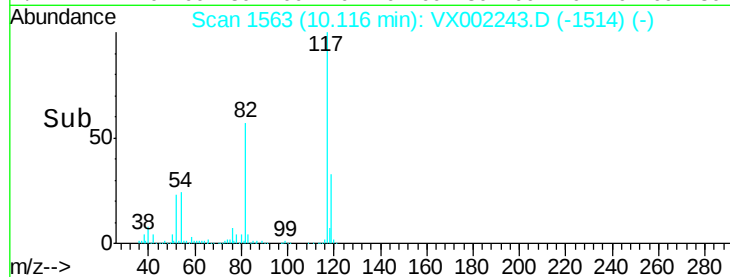
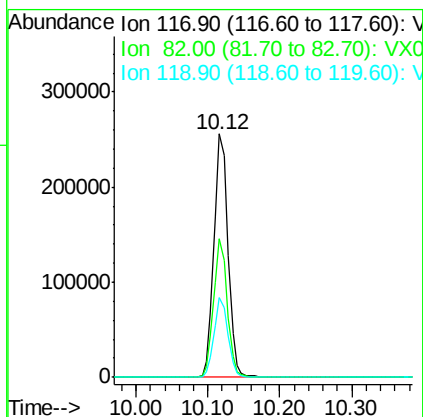
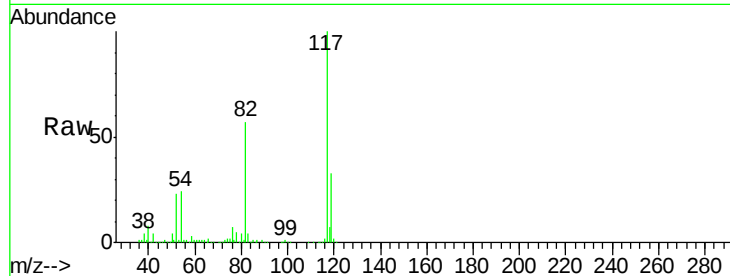




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002243.D
Acq: 02 Jun 2018 16:57

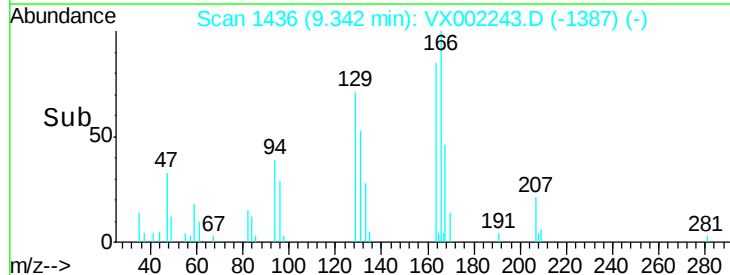
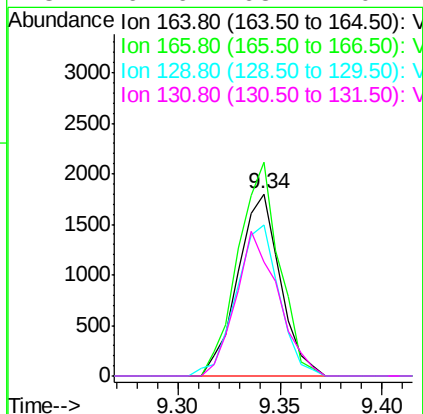
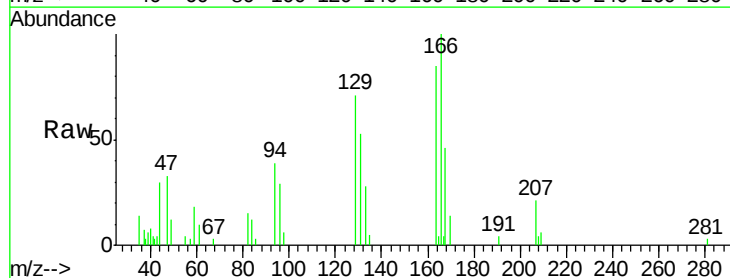
Instrument :
MSVOA_X
ClientSampleId :
SS052MW737-180521

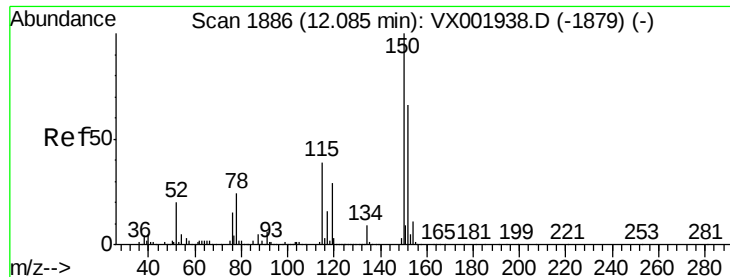
Tot Ion:117 Resp: 346739
Ion Ratio Lower Upper
117 100
82 56.9 44.8 67.2
119 32.9 25.5 38.3



#64
Tetrachloroethene
Concen: 0.52 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002243.D
Acq: 02 Jun 2018 16:57

Tgt Ion:164 Resp: 2601
Ion Ratio Lower Upper
164 100
166 117.1 102.7 154.1
129 82.9 70.3 105.5
131 62.6 68.2 102.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

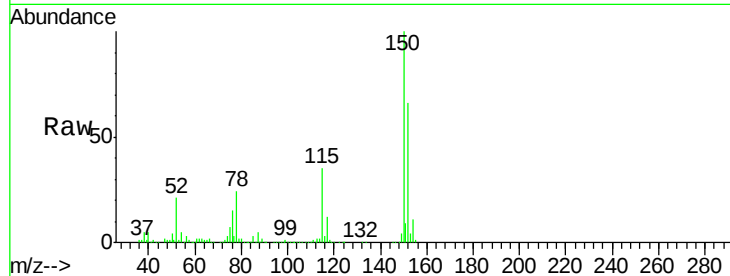
Tot Ion:152 Resp: 191085

Ion Ratio Lower Upper

152 100

115 55.4 42.3 126.8

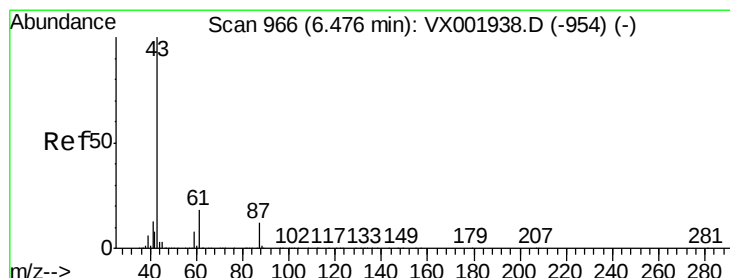
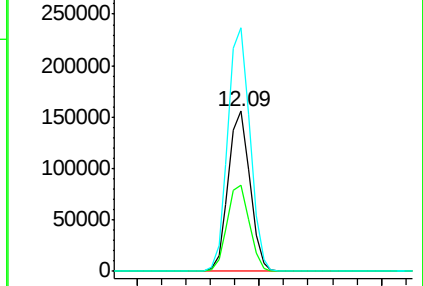
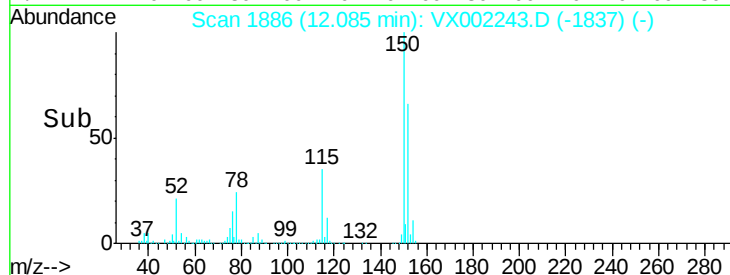
150 155.2 0.0 351.0



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Tgt Ion: 43 Resp: 107

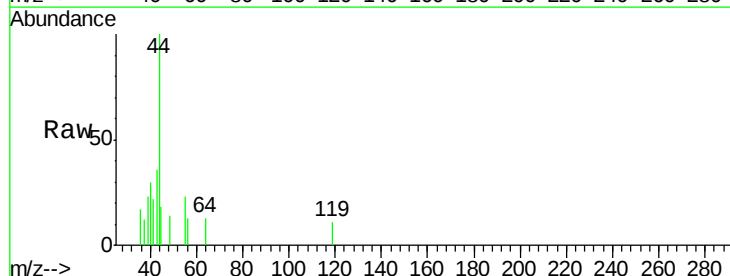
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 79.4 0.1 0.1#

61 18.7 14.5 21.7

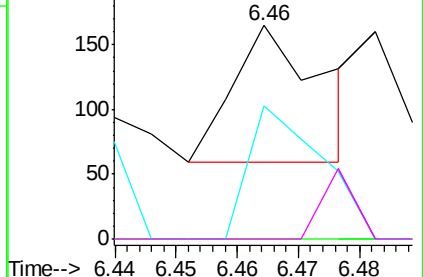
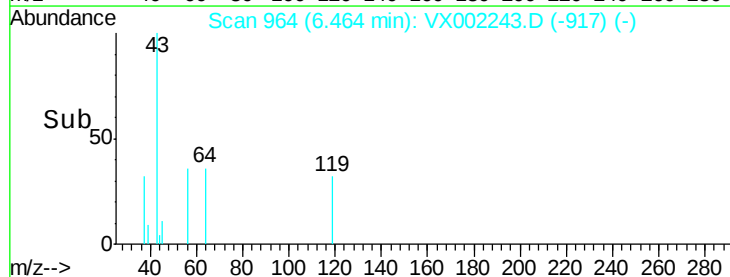


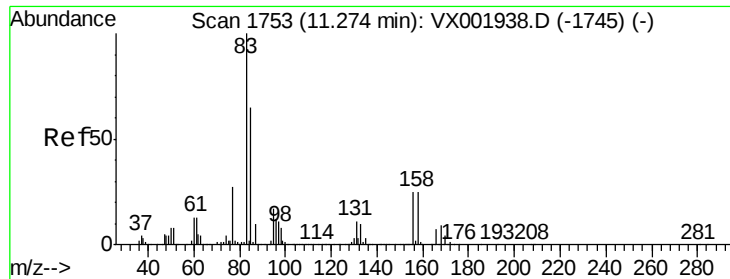
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

SS052MW737-180521

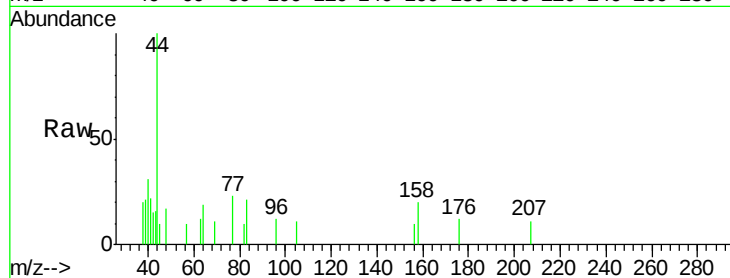
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

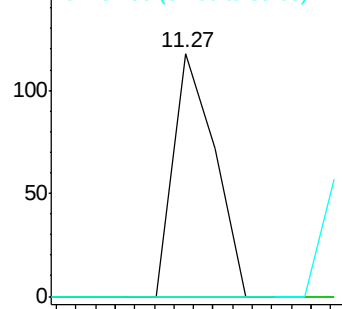
85 0.0 32.6 97.7#



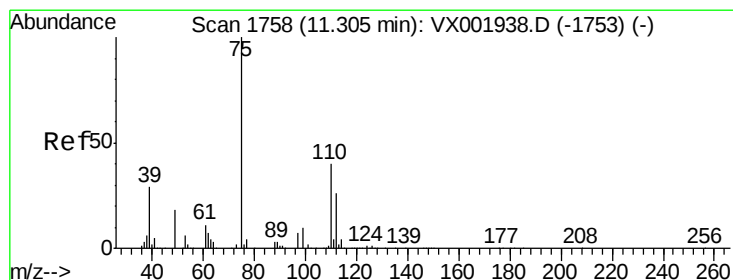
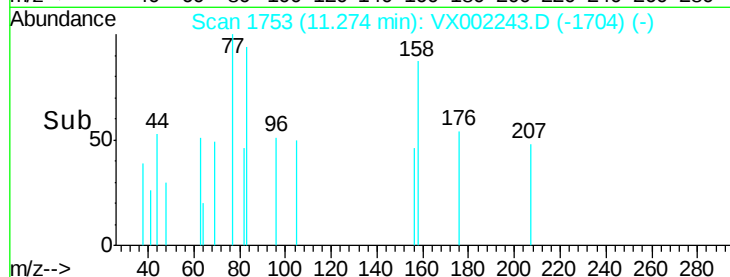
Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



Time-->



#76

1,2,3-Trichloropropane

Concen: 27.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002243.D

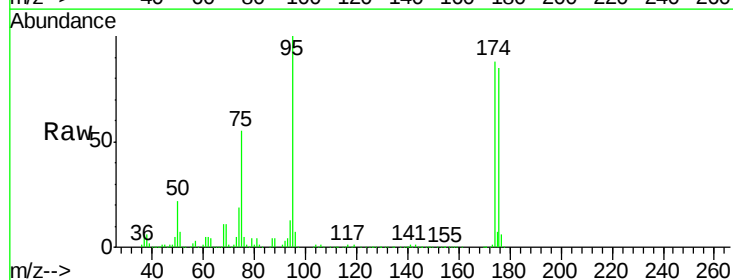
Acq: 02 Jun 2018 16:57

Tgt Ion: 75 Resp: 124756

Ion Ratio Lower Upper

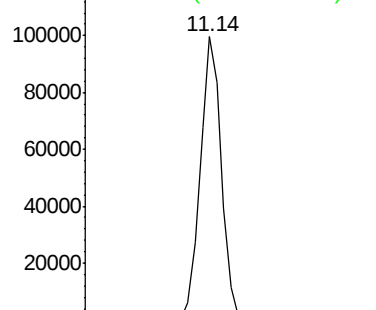
75 100

77 1.2 22.8 68.3#

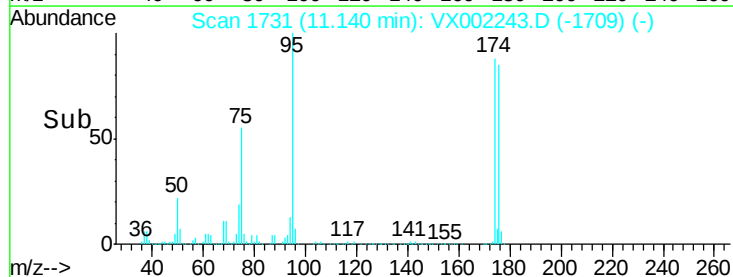


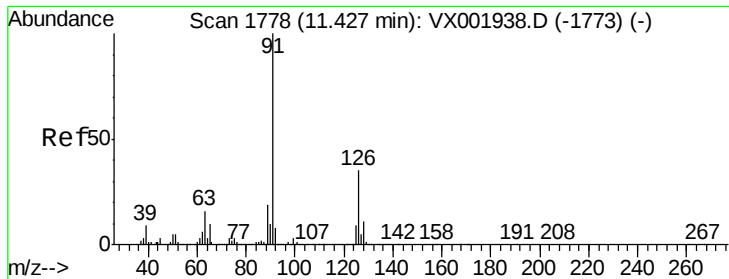
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->





#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

Instrument :

MSVOA_X

ClientSampleId :

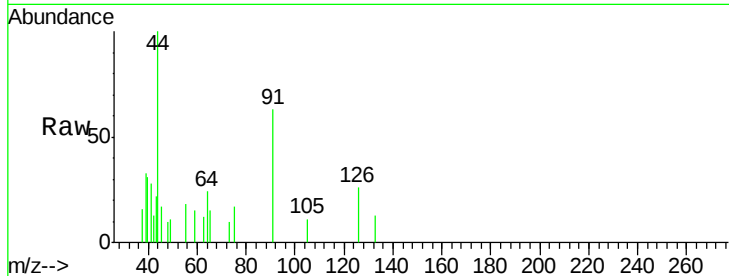
SS052MW737-180521

Tot Ion: 91 Resp: 375

Ion Ratio Lower Upper

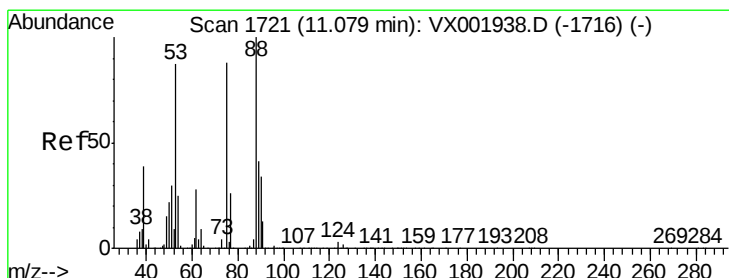
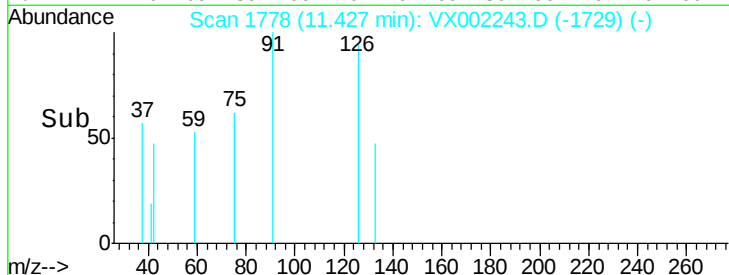
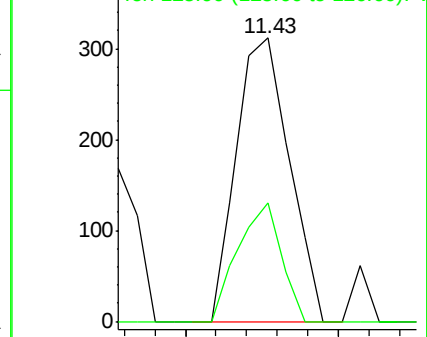
91 100

126 34.4 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 65.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002243.D

Acq: 02 Jun 2018 16:57

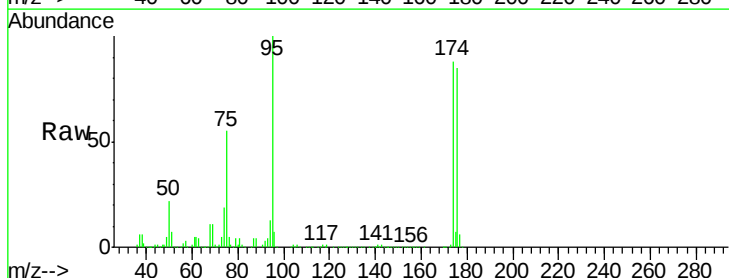
Tgt Ion: 75 Resp: 124756

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

