

Data File : VX001216.D

Acq On : 28 Apr 2018 16:22

Operator : JC/MD

Sample : J2507-06DL 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 11 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

Quant Time: Apr 30 01:30:52 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M

Quant Title : SW846 8260

QLast Update : Fri Apr 27 01:51:42 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	191862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	260224	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	227922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	126534	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	144784	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	5.51	113	113163	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	8.72	98	436032	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.14	95	145337	45.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.54%	

Target Compounds

						Qvalue
3) Chloromethane	1.40	50	27010	12.82	ug/l	# 43
4) Vinyl Chloride	1.40	62	3794732	1697.29	ug/l	98
5) Bromomethane	1.65	94	540	Below	Cal	89
10) Methyl Iodide	2.51	142	176	7.31	ug/l	# 41
11) Tert butyl alcohol	3.09	59	3093	5.27	ug/l	# 87
12) 1,1-Dichloroethene	2.38	96	24316	12.53	ug/l	97
13) Acrolein	2.29	56	55	0.25	ug/l	# 1
16) Acetone	2.45	43	1867	1.53	ug/l	# 84
17) Carbon Disulfide	2.57	76	1171	0.24	ug/l	# 87
21) trans-1,2-Dichloroethene	3.17	96	550358	256.61	ug/l	98
29) Tetrahydrofuran	5.20	42	1032	0.88	ug/l	# 76
30) Chloroform	5.22	83	2551	0.64	ug/l	86
31) Cyclohexane	5.59	56	4363	1.38	ug/l	# 95
36) 1,1-Dichloropropene	5.67	75	12122	4.23	ug/l	# 48
38) Carbon Tetrachloride	5.68	117	16538	5.62	ug/l	# 15
39) Methylcyclohexane	7.47	83	4946	1.56	ug/l	88
40) Benzene	6.15	78	52973	6.39	ug/l	99
42) 1,2-Dichloroethane	6.21	62	81773	24.46	ug/l	97
44) Trichloroethene	7.22	130	114873	46.48	ug/l	95
49) 1,4-Dioxane	7.77	88	21	0.37	ug/l	# 24
52) Toluene	8.79	92	18690	3.45	ug/l	99
54) cis-1,3-Dichloropropene	8.79	75	236	3.25	ug/l	# 1
55) 1,1,2-Trichloroethane	9.22	97	74966	32.66	ug/l	98
59) 2-Hexanone	9.32	43	13986	5.04	ug/l	79
60) Dibromochloromethane	9.34	129	1031	3.71	ug/l	# 11
64) Tetrachloroethene	9.35	164	1260	0.52	ug/l	# 76
65) Chlorobenzene	10.14	112	12656	2.12	ug/l	99
67) Ethyl Benzene	10.26	91	2007	0.21	ug/l	# 86
68) m/p-Xylenes	10.37	106	1587	0.41	ug/l	97
69) o-Xylene	10.71	106	4570	1.23	ug/l	93
73) Isopropylbenzene	11.02	105	3048	0.37	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	75378	29.26	ug/l	# 39
80) 1,3,5-Trimethylbenzene	11.51	105	2971	0.43	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	75378	88.58	ug/l	# 6

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Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419DL

Quant Time: Apr 30 01:30:52 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X042618W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 27 01:51:42 2018
Response via : Initial Calibration

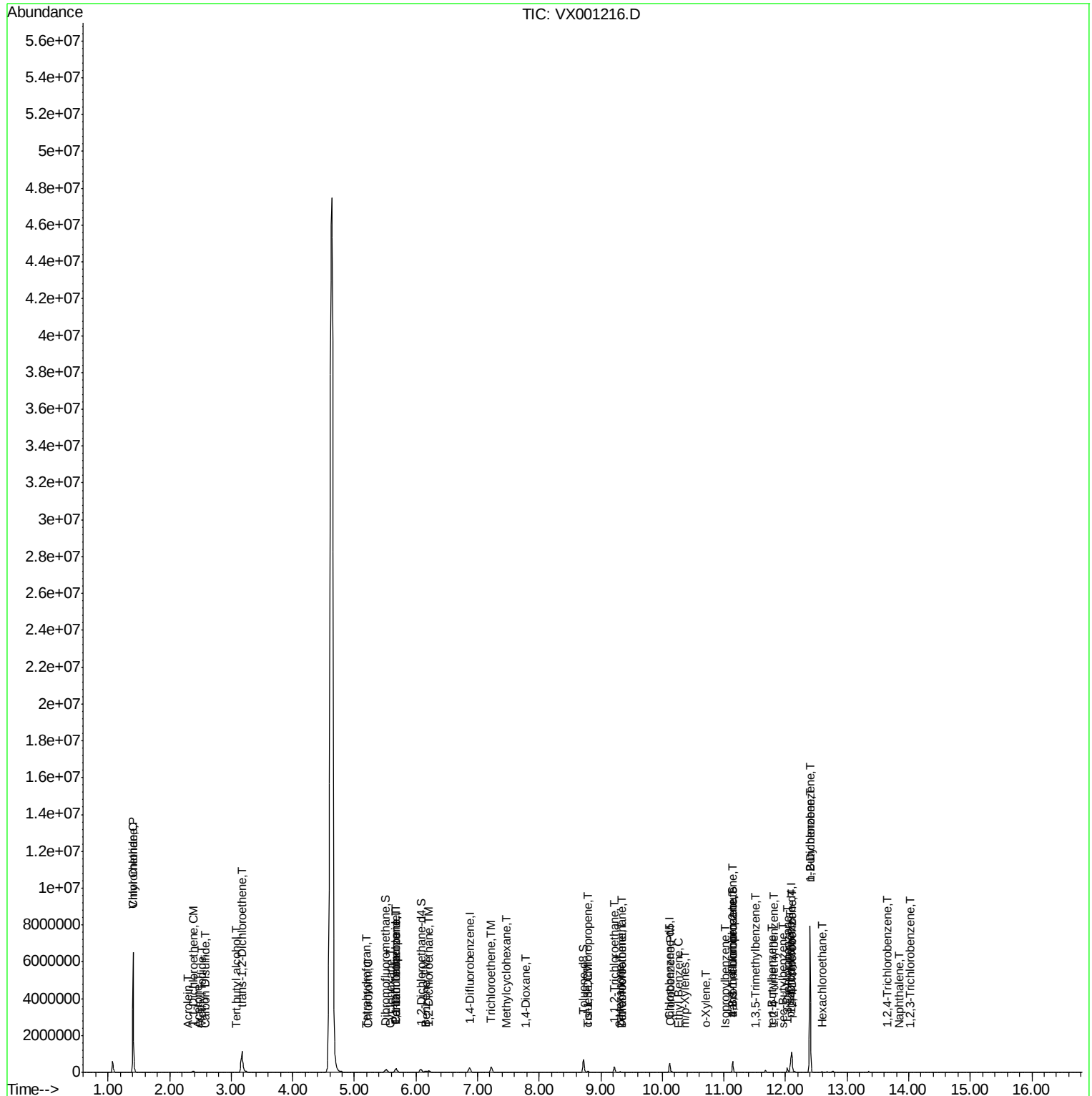
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	11.77	119	1476	0.21	ug/l	93
84) 1,2,4-Trimethylbenzene	11.81	105	5140	0.72	ug/l	99
85) sec-Butylbenzene	11.95	105	3881	0.48	ug/l	100
86) p-Isopropyltoluene	12.07	119	4639	0.61	ug/l	95
87) 1,3-Dichlorobenzene	12.03	146	81687	18.60	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	347104	75.88	ug/l	99
89) n-Butylbenzene	12.39	91	3266	0.50	ug/l #	35
90) Hexachloroethane	12.60	117	1279	4.35	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	2640799	595.09	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	2583	0.74	ug/l #	87
95) Naphthalene	13.84	128	3812	0.39	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.02	180	1540	0.44	ug/l #	82

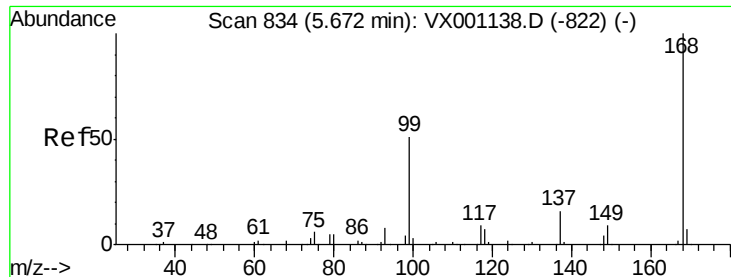
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 11 Sample Multiplier: 1

SS043MW009-180419DL

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: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

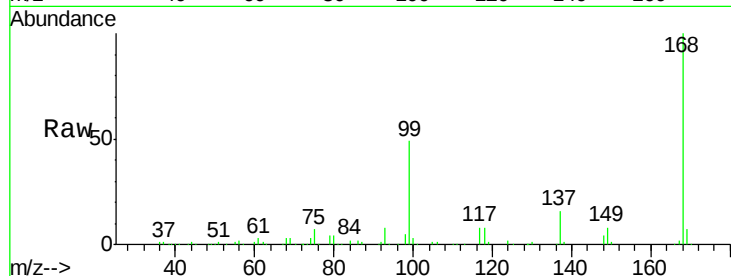
SS043MW009-180419DL

Tgt Ion: 168 Resp: 191862

Ion Ratio Lower Upper

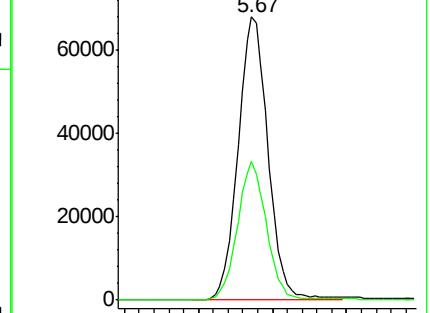
168 100

99 49.0 40.6 60.8

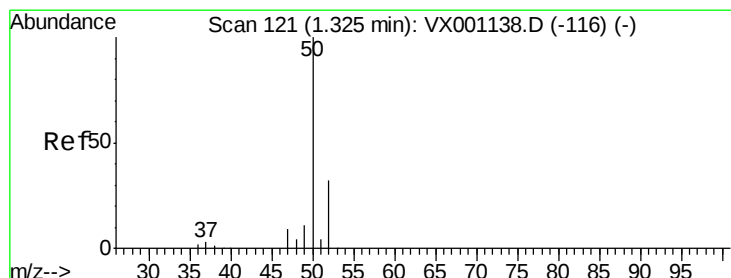
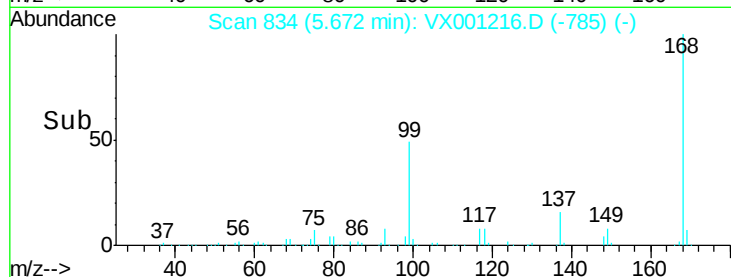


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 12.82 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.08 min

Lab File: VX001216.D

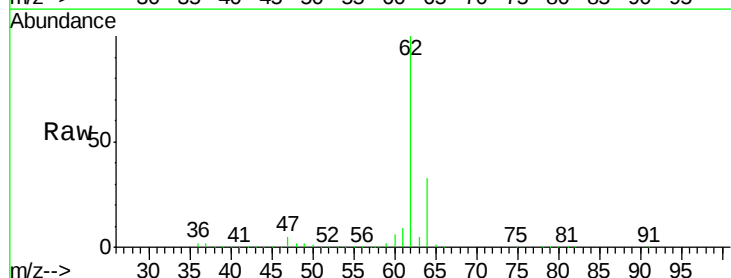
Acq: 28 Apr 2018 16:22

Tgt Ion: 50 Resp: 27010

Ion Ratio Lower Upper

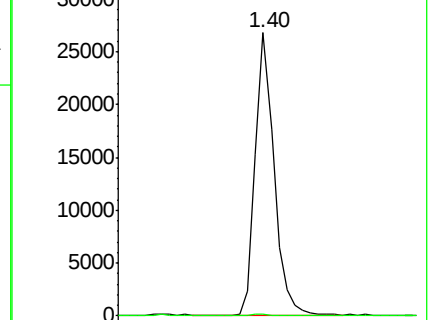
50 100

52 0.5 25.9 38.9#

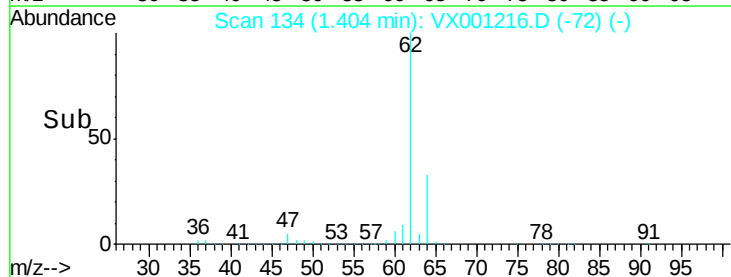


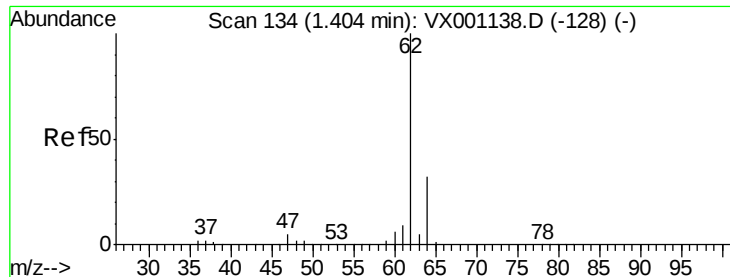
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time--> 1.30 1.35 1.40 1.45 1.50





#4

Vinyl Chloride

Concen: 1697.29 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

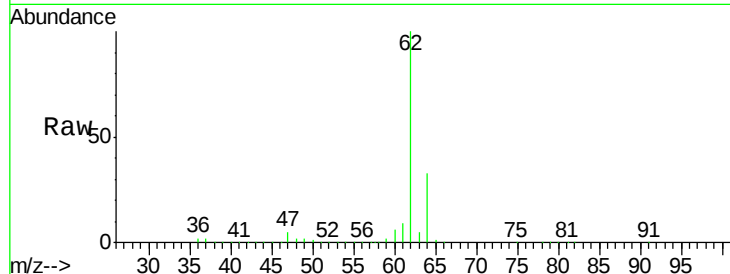
SS043MW009-180419DL

Tgt Ion: 62 Resp: 3794732

Ion Ratio Lower Upper

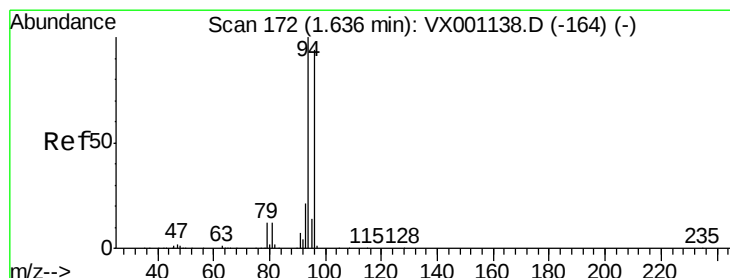
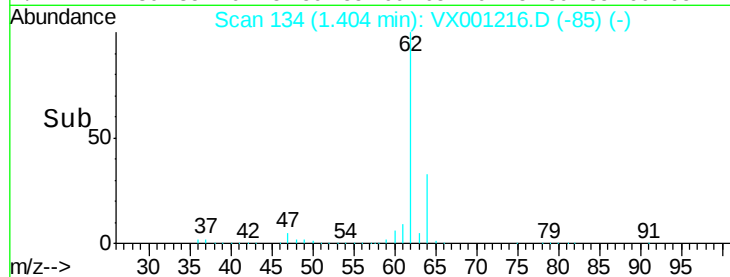
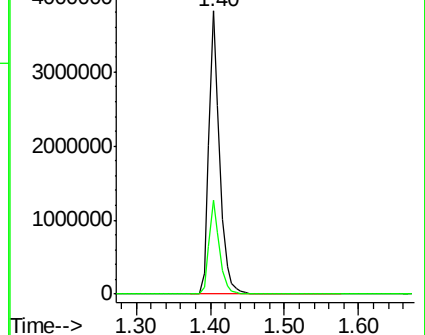
62 100

64 33.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001216.D

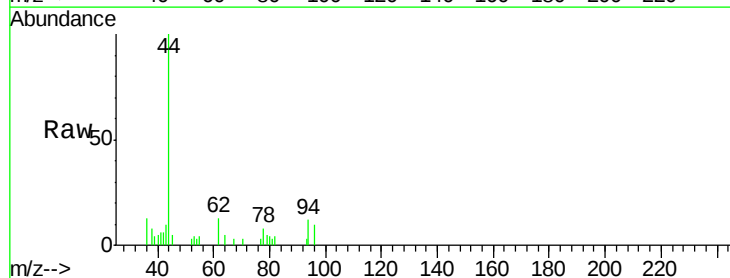
Acq: 28 Apr 2018 16:22

Tgt Ion: 94 Resp: 540

Ion Ratio Lower Upper

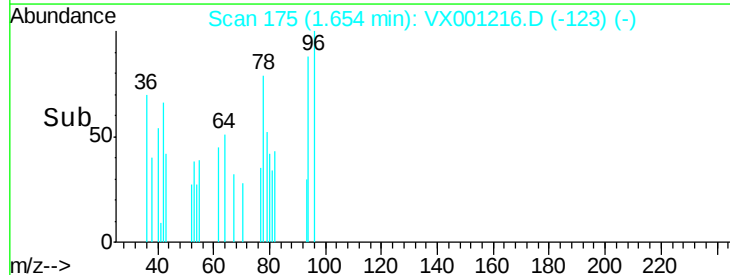
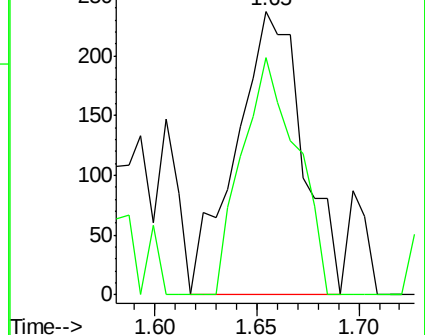
94 100

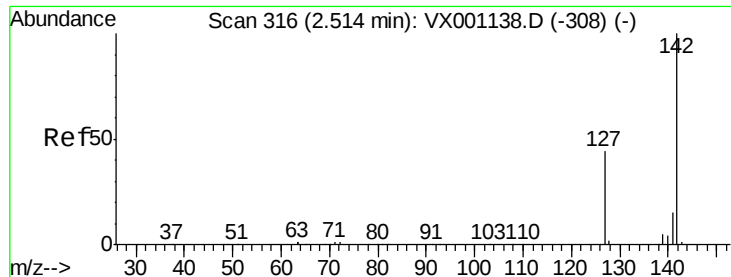
96 83.5 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

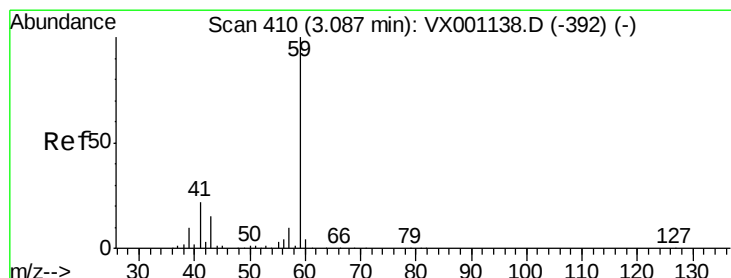
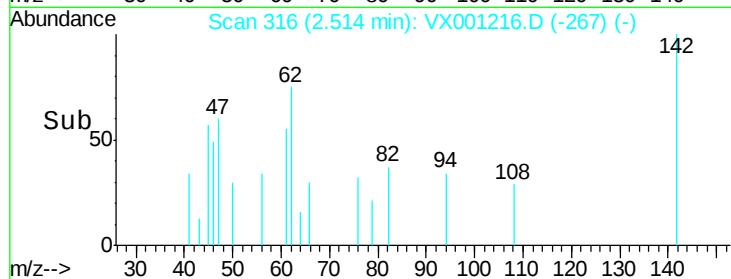
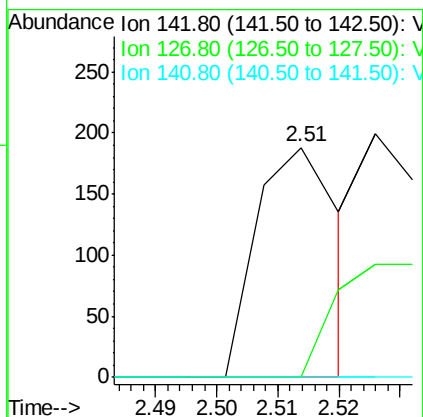
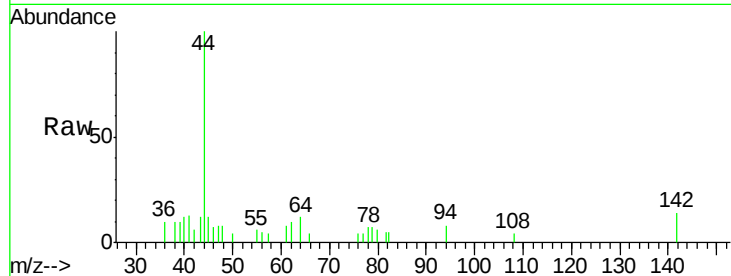




#10
Methyl Iodide
Concen: 7.31 ug/l
RT: 2.51 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

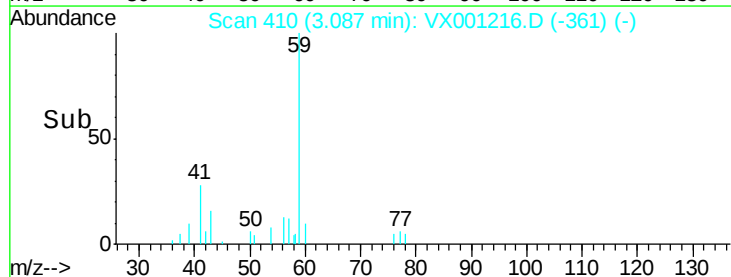
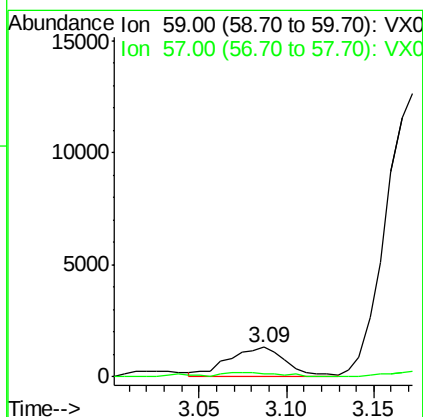
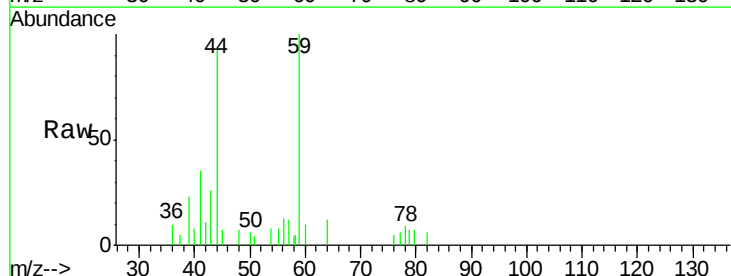
Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419DL

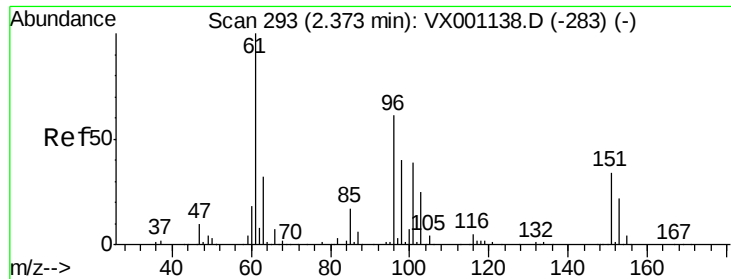
Tgt Ion: 142 Resp: 176
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.27 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

Tgt Ion: 59 Resp: 3093
Ion Ratio Lower Upper
59 100
57 15.3 8.2 12.4#

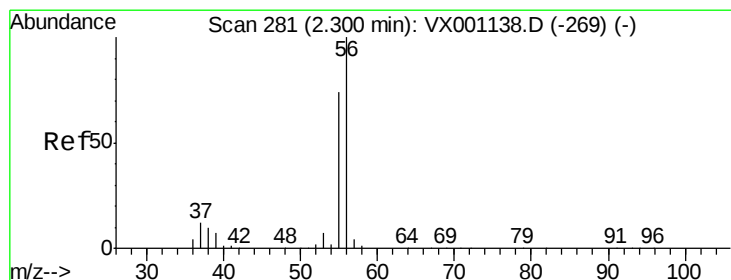
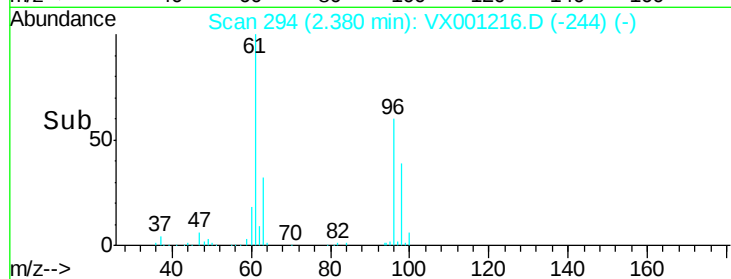
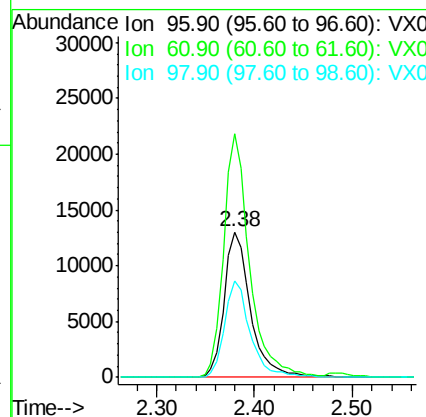
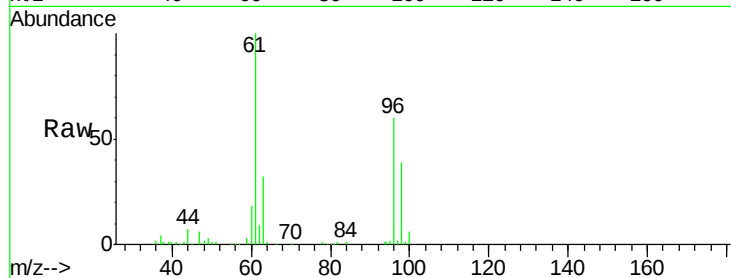




#12
 1,1-Dichloroethene
 Concen: 12.53 ug/l
 RT: 2.38 min Scan# 294
 Delta R.T. 0.01 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

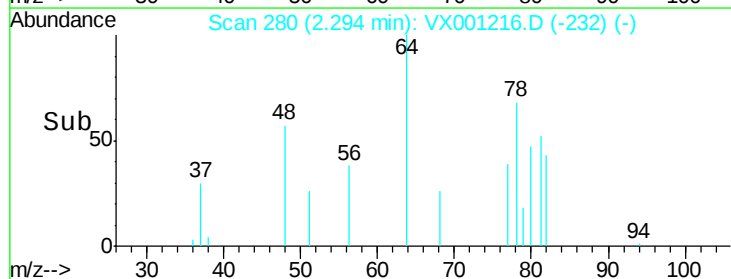
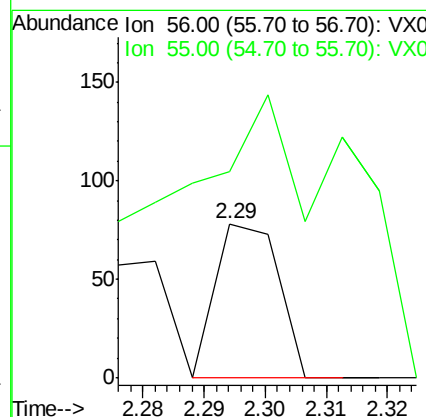
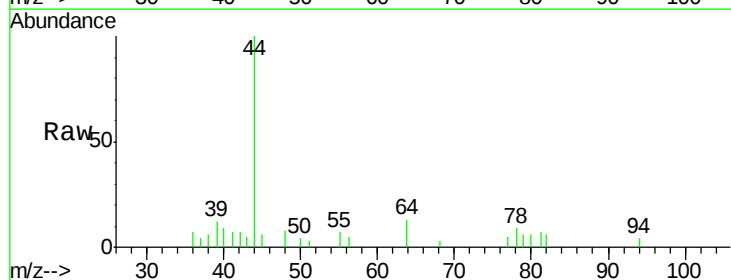
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419DL

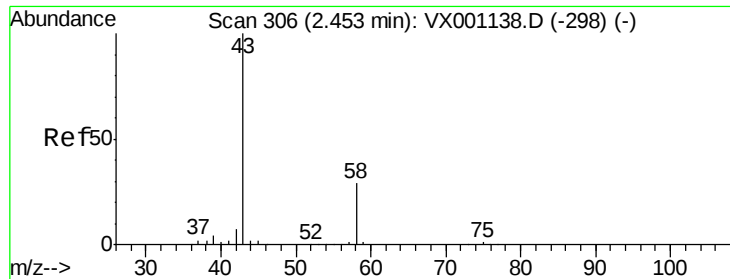
Tgt Ion: 96 Resp: 24316
 Ion Ratio Lower Upper
 96 100
 61 167.6 130.2 195.4
 98 66.2 51.5 77.3



#13
 Acrolein
 Concen: 0.25 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

Tgt Ion: 56 Resp: 55
 Ion Ratio Lower Upper
 56 100
 55 429.1 57.2 85.8#





#16

Acetone

Concen: 1.53 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

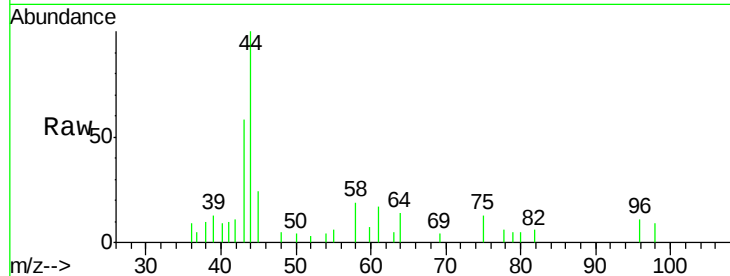
SS043MW009-180419DL

Tgt Ion: 43 Resp: 1867

Ion Ratio Lower Upper

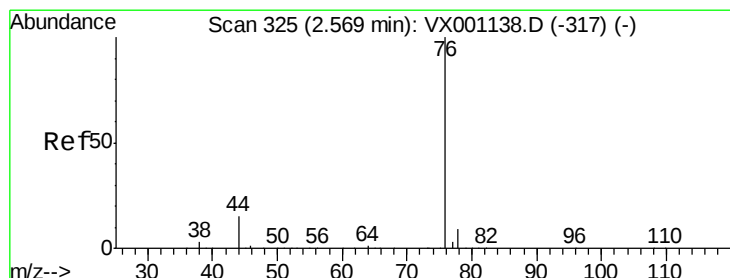
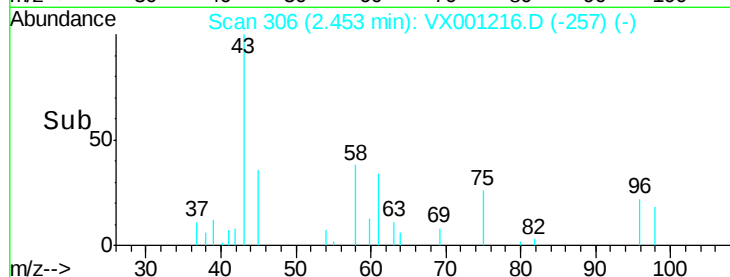
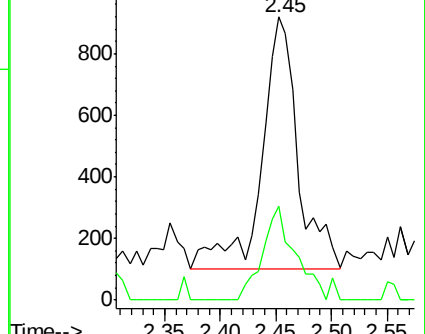
43 100

58 37.3 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.24 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX001216.D

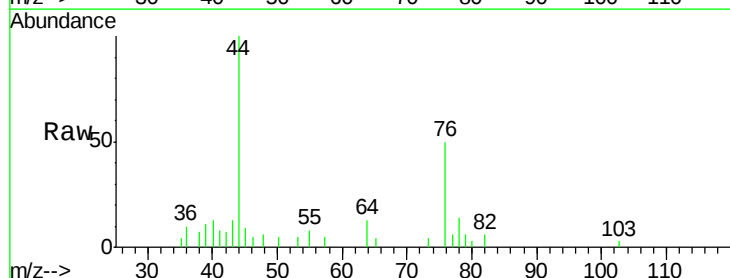
Acq: 28 Apr 2018 16:22

Tgt Ion: 76 Resp: 1171

Ion Ratio Lower Upper

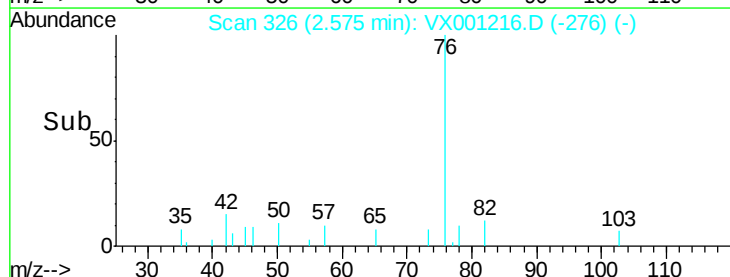
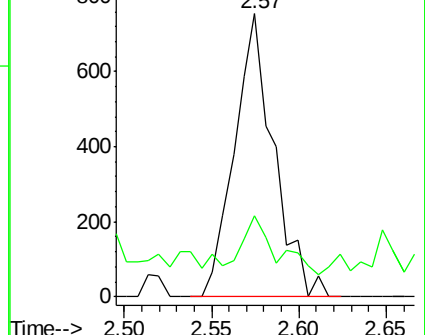
76 100

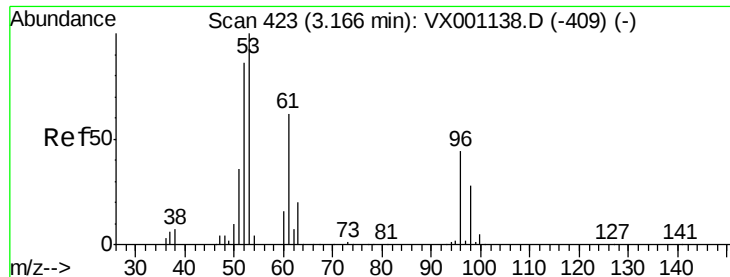
78 13.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 256.61 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

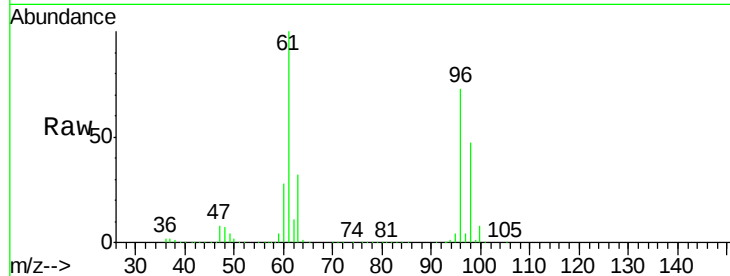
Tgt Ion: 96 Resp: 550358

Ion Ratio Lower Upper

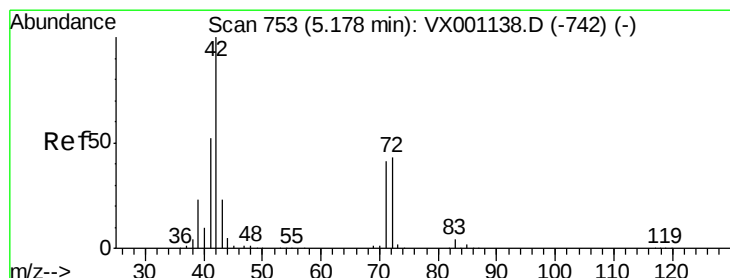
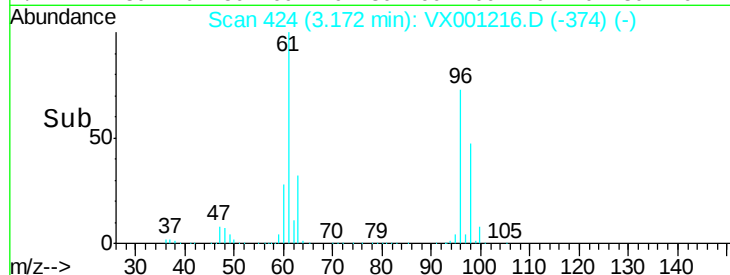
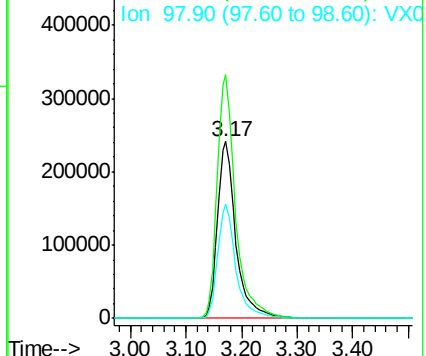
96 100

61 137.8 111.9 167.9

98 64.8 51.1 76.7



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



#29

Tetrahydrofuran

Concen: 0.88 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

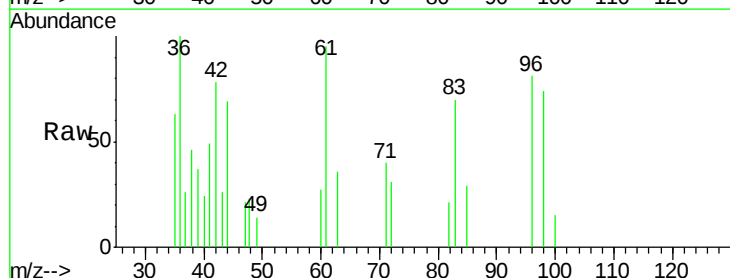
Tgt Ion: 42 Resp: 1032

Ion Ratio Lower Upper

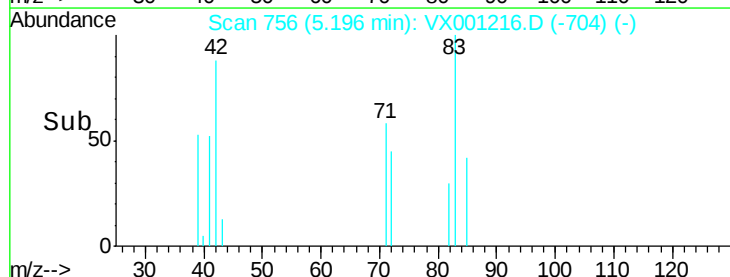
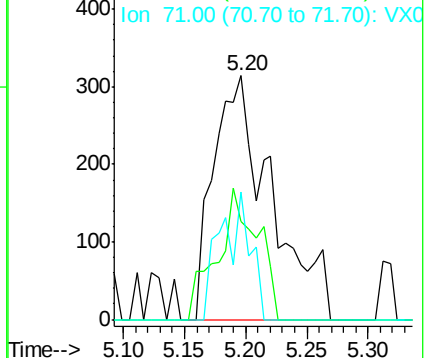
42 100

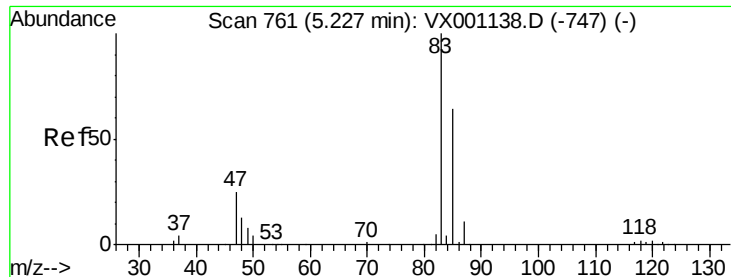
72 37.7 34.4 51.6

71 14.8 32.1 48.1#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

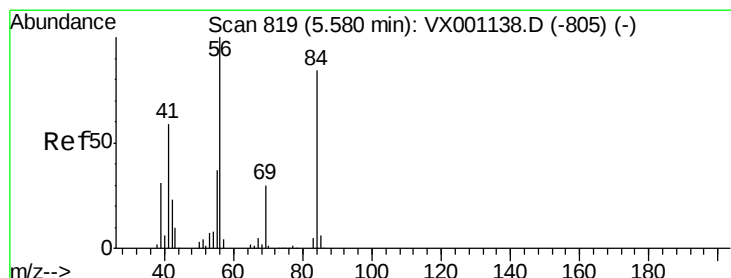
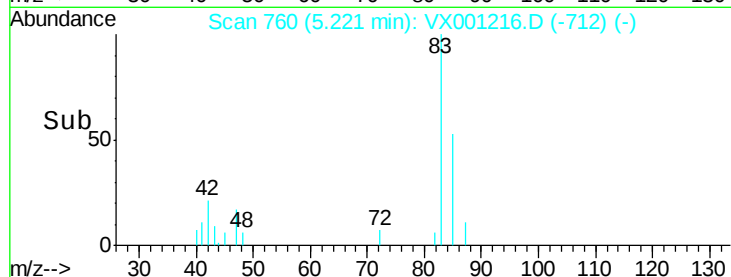
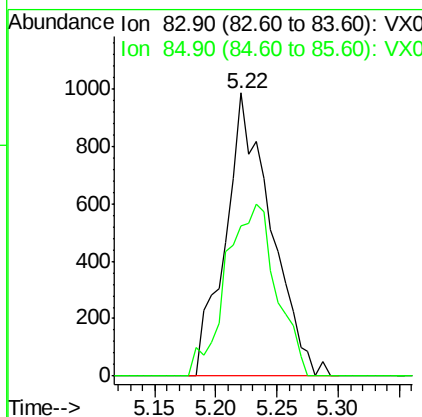
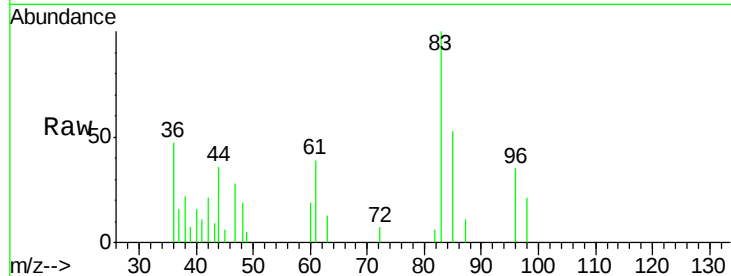




#30
Chloroform
Concen: 0.64 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

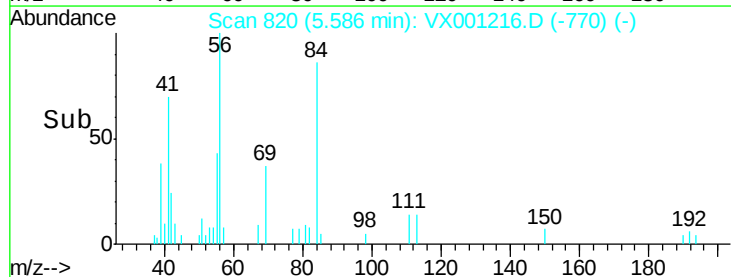
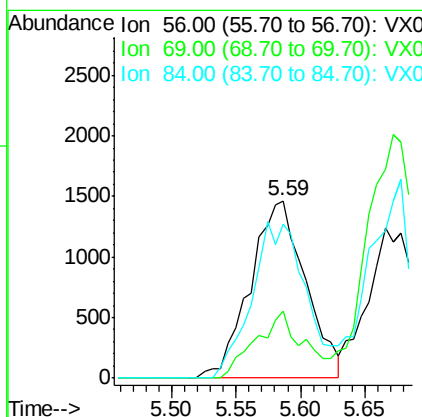
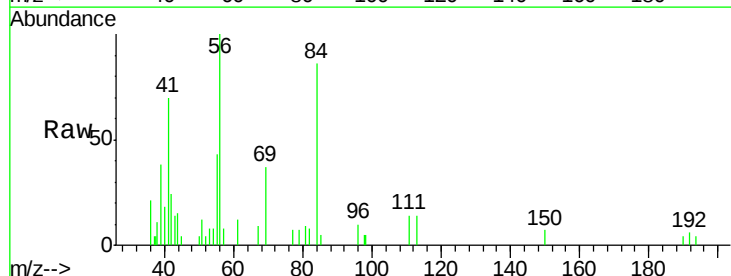
Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419DL

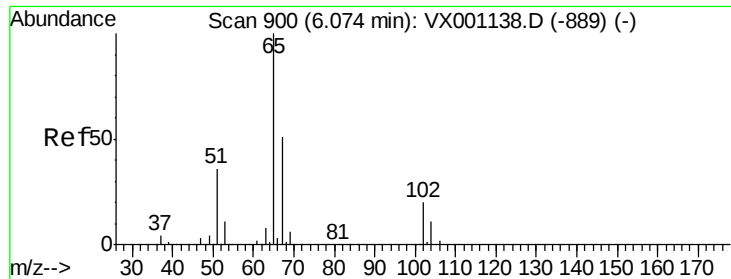
Tgt Ion: 83 Resp: 2551
Ion Ratio Lower Upper
83 100
85 53.1 51.4 77.0



#31
Cyclohexane
Concen: 1.38 ug/l
RT: 5.59 min Scan# 820
Delta R.T. 0.01 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

Tgt Ion: 56 Resp: 4363
Ion Ratio Lower Upper
56 100
69 37.5 24.2 36.2#
84 86.4 67.5 101.3





#33

1,2-Dichloroethane-d4

Concen: 48.68 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

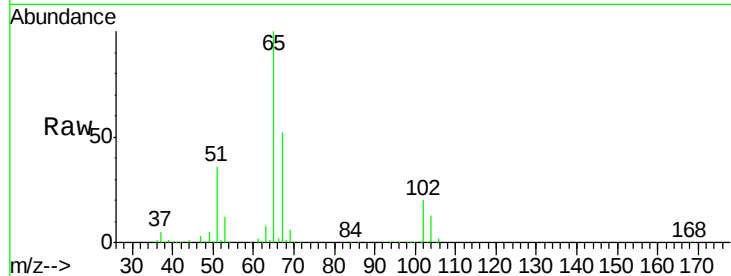
SS043MW009-180419DL

Tgt Ion: 65 Resp: 144784

Ion Ratio Lower Upper

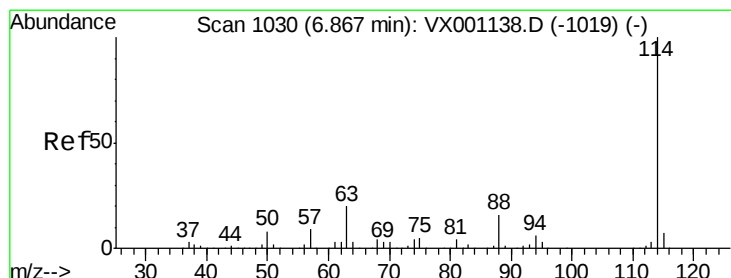
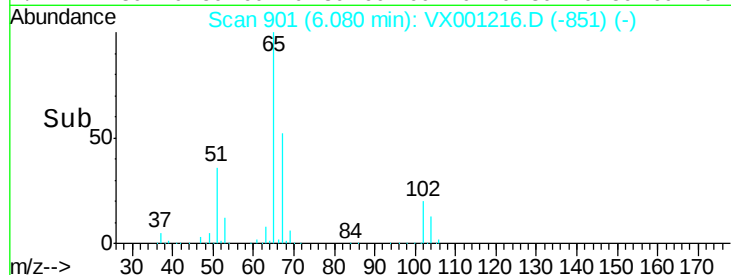
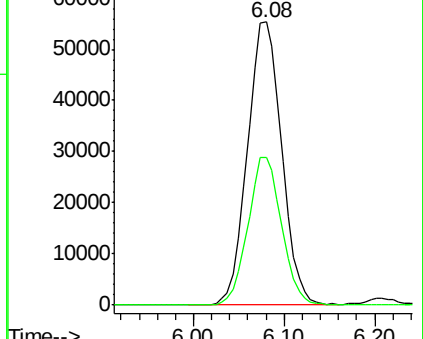
65 100

67 51.3 0.0 102.2



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# 1031

Delta R.T. 0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

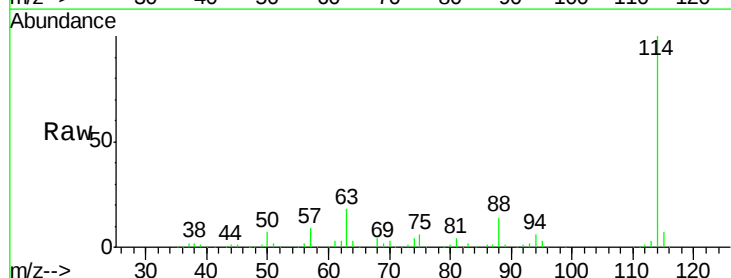
Tgt Ion: 114 Resp: 260224

Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.4

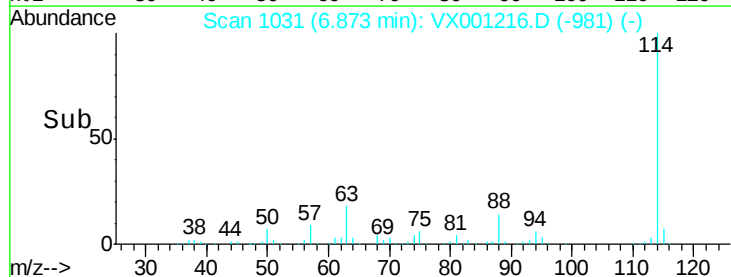
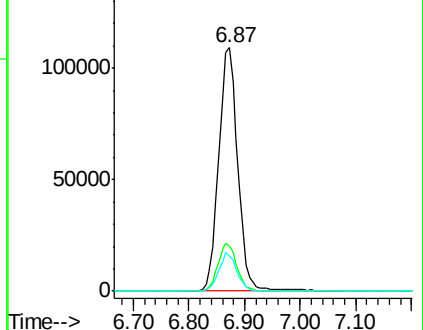
88 14.4 0.0 31.8

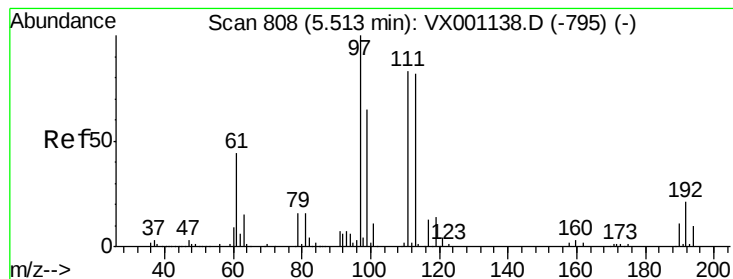


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.54 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

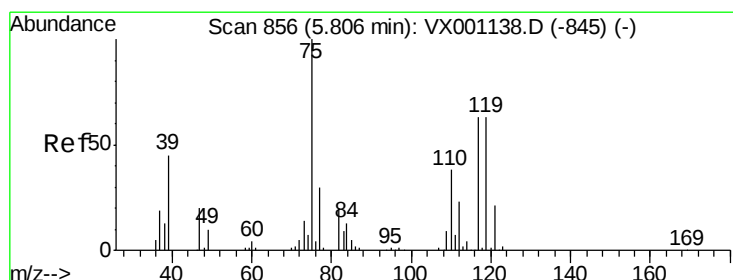
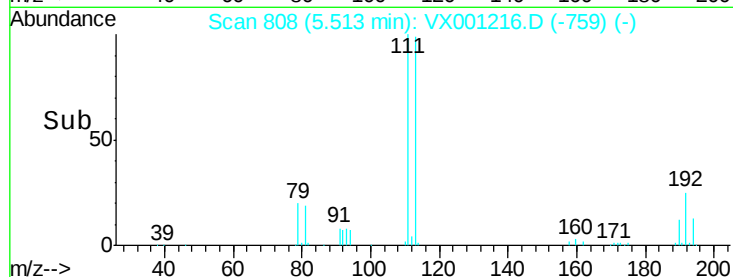
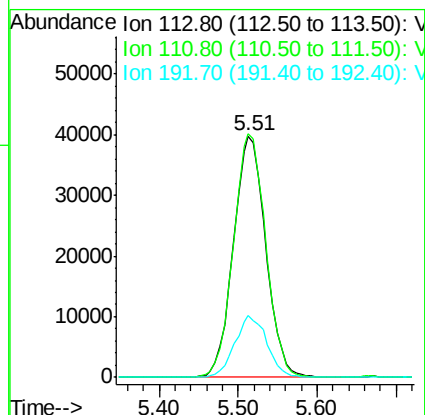
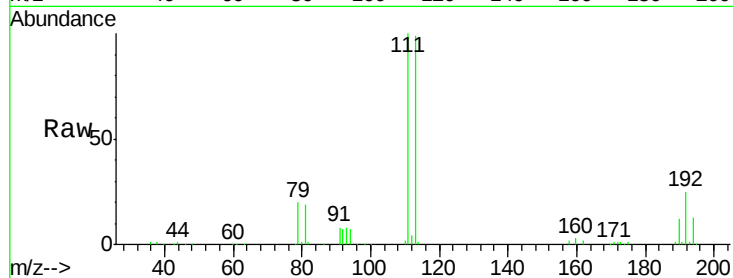
Tgt Ion:113 Resp: 113163

Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

192 25.5 20.6 30.8



#36

1,1-Dichloropropene

Concen: 4.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

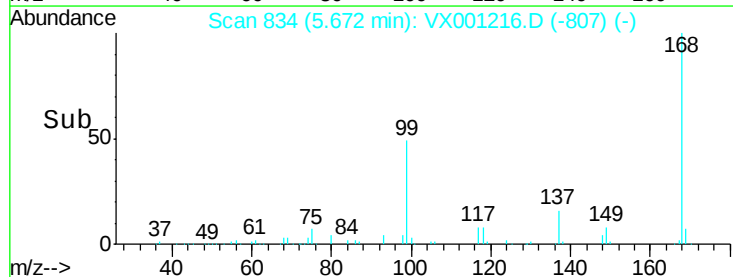
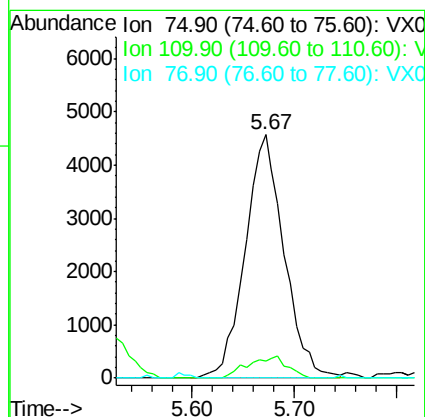
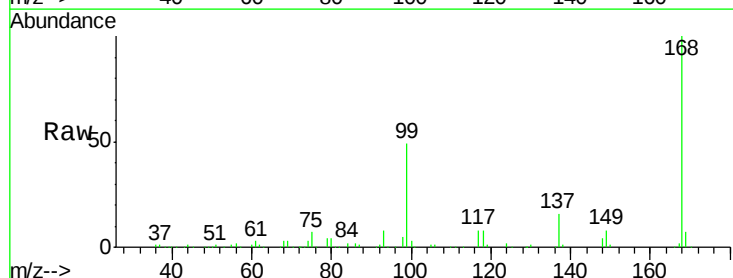
Tgt Ion: 75 Resp: 12122

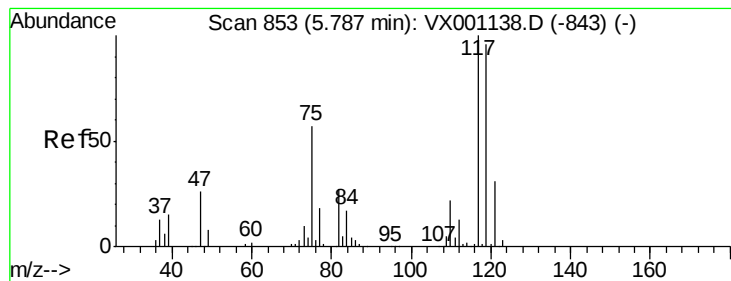
Ion Ratio Lower Upper

75 100

110 9.1 19.0 57.0#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.62 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.11 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

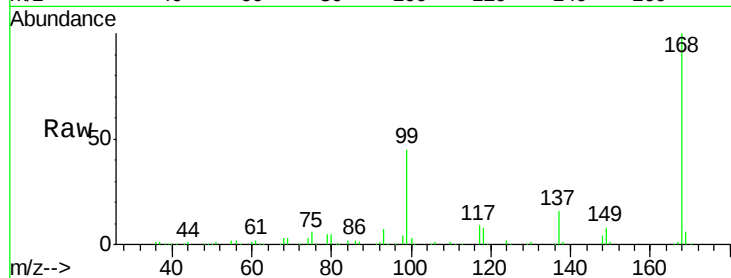
Tgt Ion: 117 Resp: 16538

Ion Ratio Lower Upper

117 100

119 3.8 76.5 114.7#

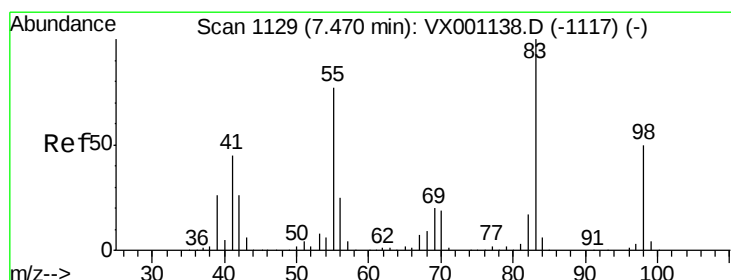
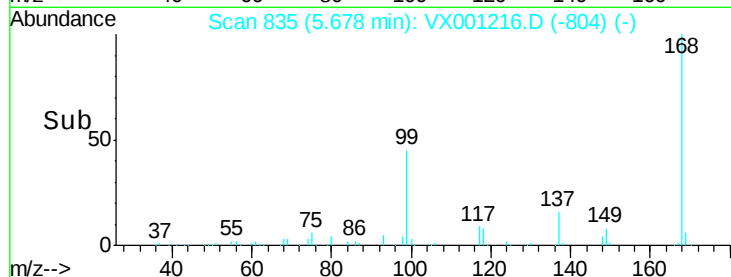
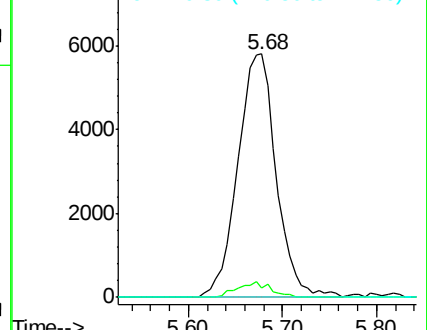
121 0.0 24.6 37.0#



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: 1.56 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

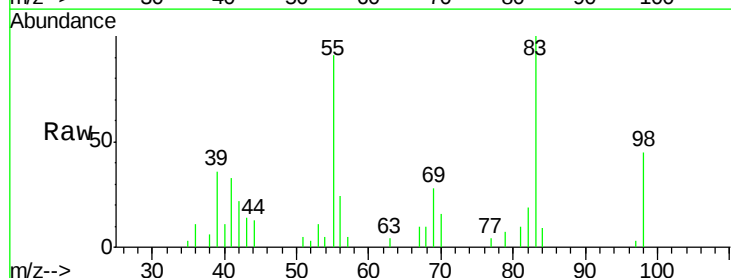
Tgt Ion: 83 Resp: 4946

Ion Ratio Lower Upper

83 100

55 90.7 61.8 92.6

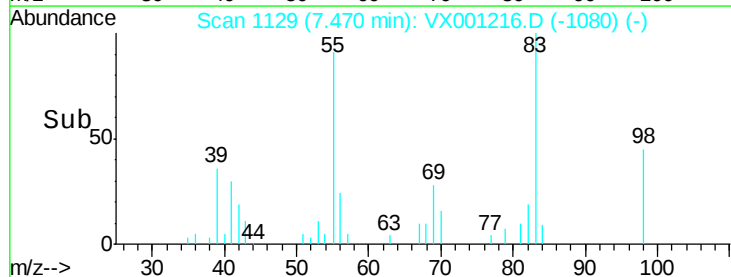
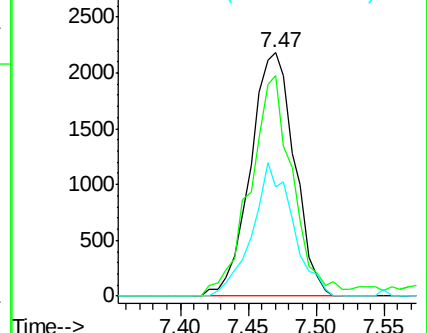
98 44.9 40.0 60.0

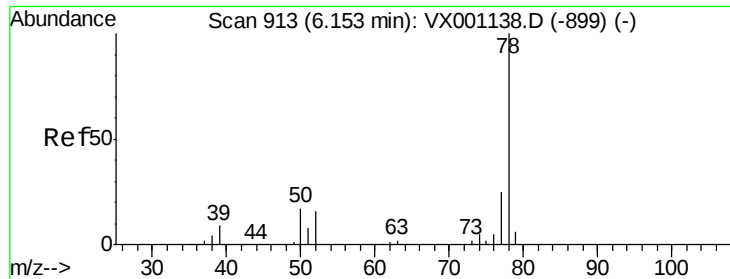


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 6.39 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

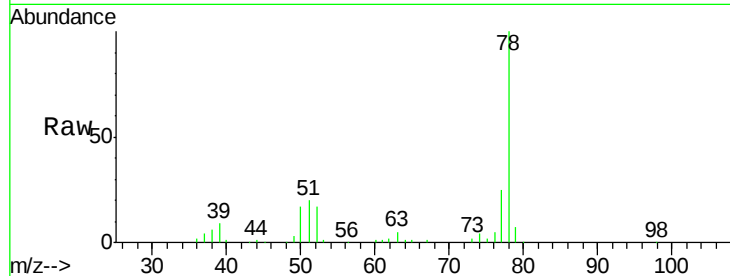
SS043MW009-180419DL

Tgt Ion: 78 Resp: 52973

Ion Ratio Lower Upper

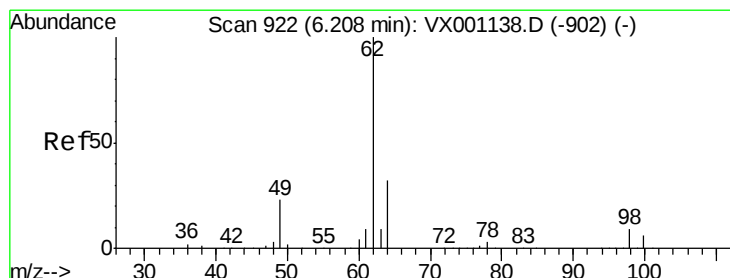
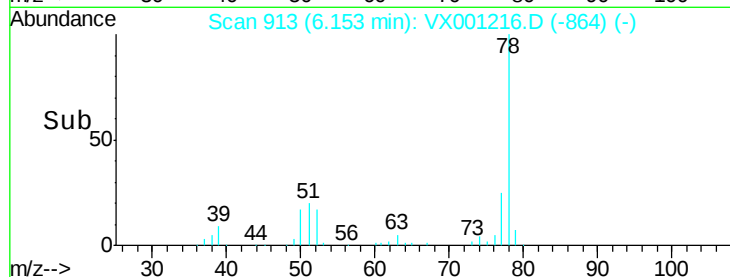
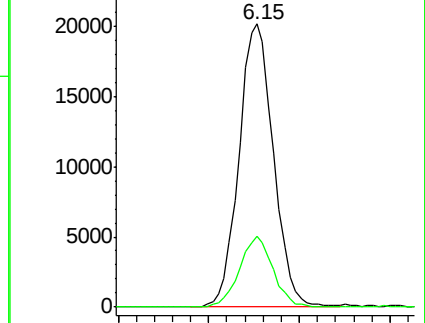
78 100

77 25.2 19.7 29.5



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#42

1,2-Dichloroethane

Concen: 24.46 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX001216.D

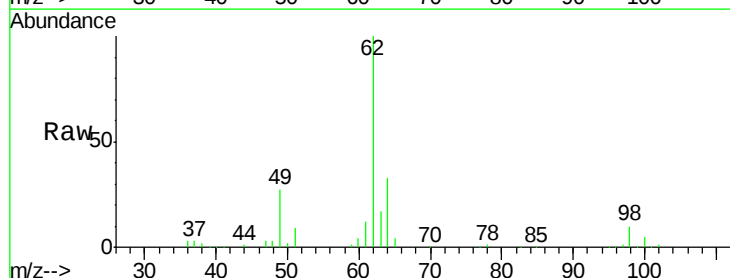
Acq: 28 Apr 2018 16:22

Tgt Ion: 62 Resp: 81773

Ion Ratio Lower Upper

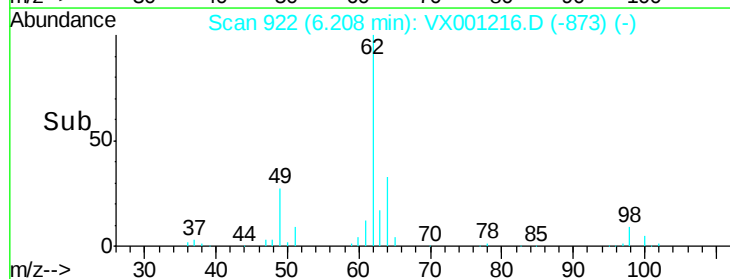
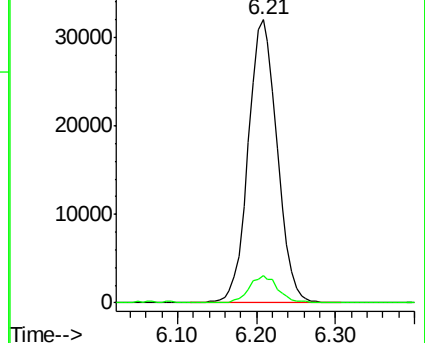
62 100

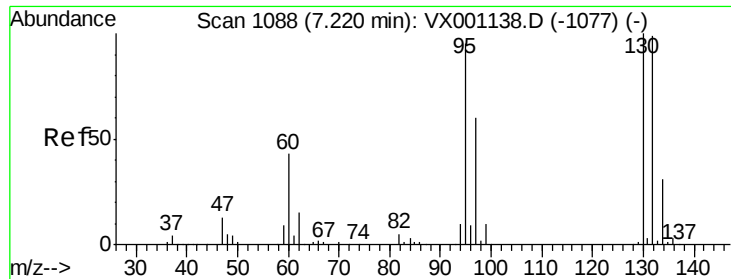
98 9.6 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#44

Trichloroethene

Concen: 46.48 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

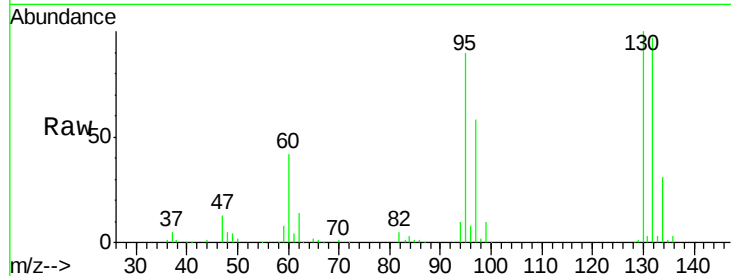
SS043MW009-180419DL

Tgt Ion:130 Resp: 114873

Ion Ratio Lower Upper

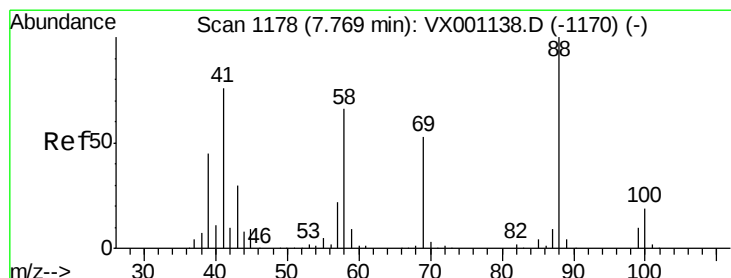
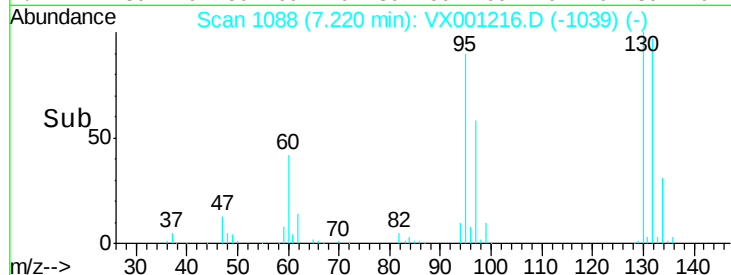
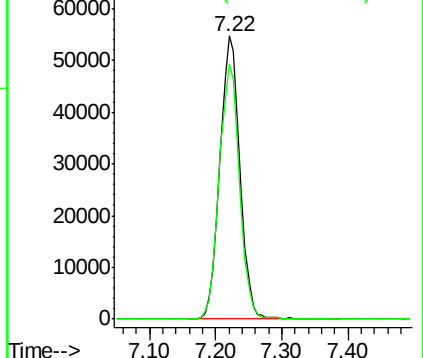
130 100

95 90.3 0.0 189.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.37 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

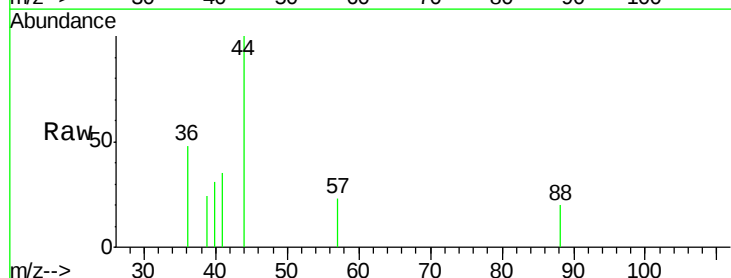
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 27.3 40.9#

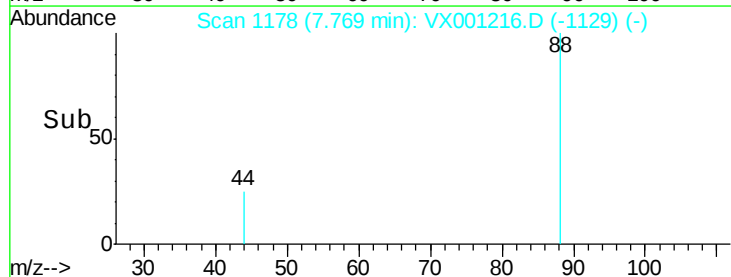
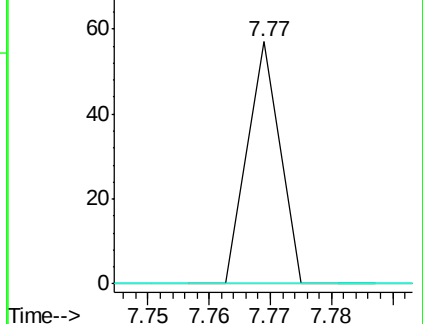
58 0.0 54.2 81.4#

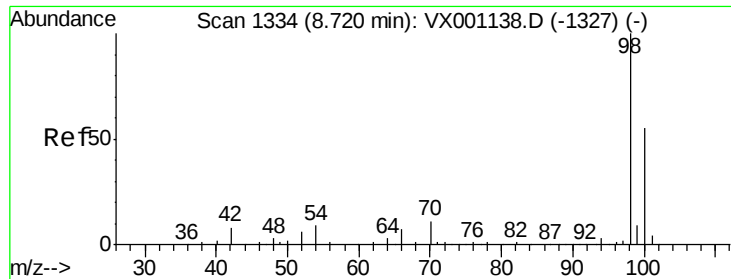


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

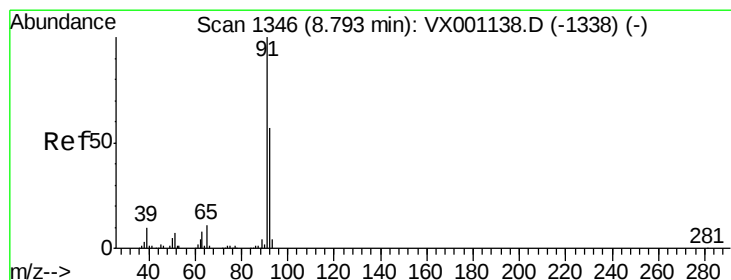
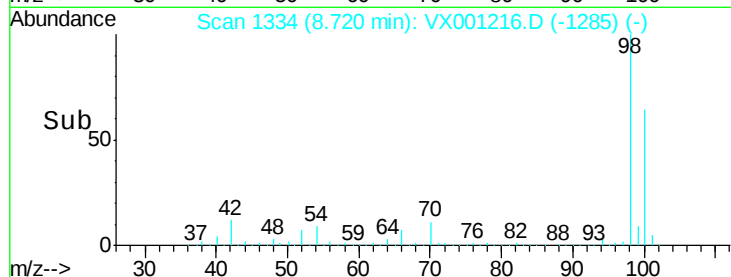
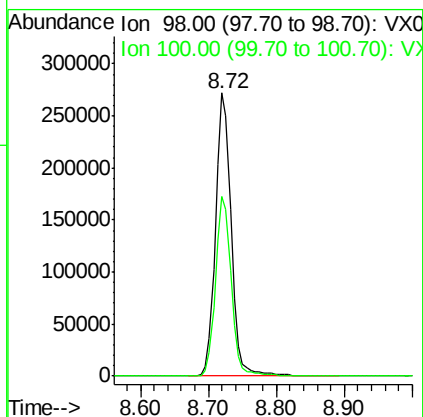
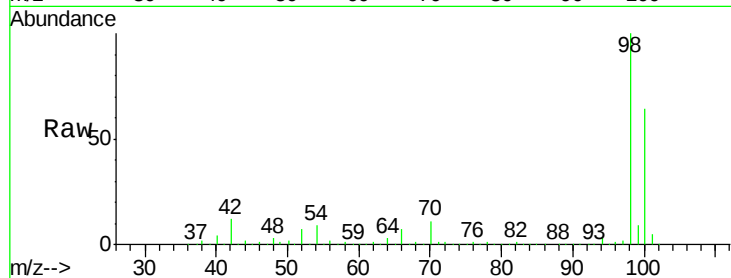




#50
Toluene-d8
Concen: 53.64 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

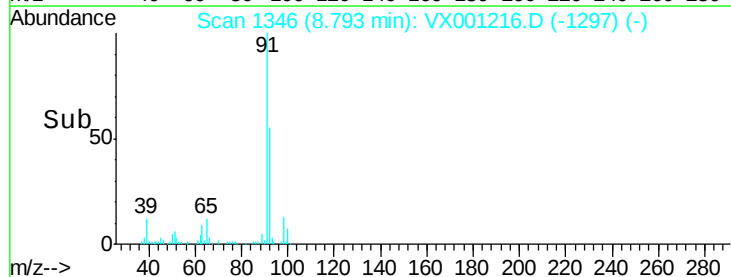
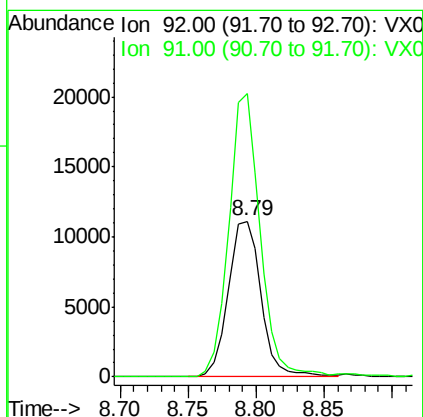
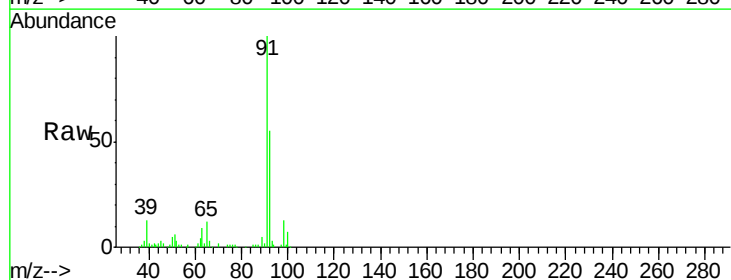
Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419DL

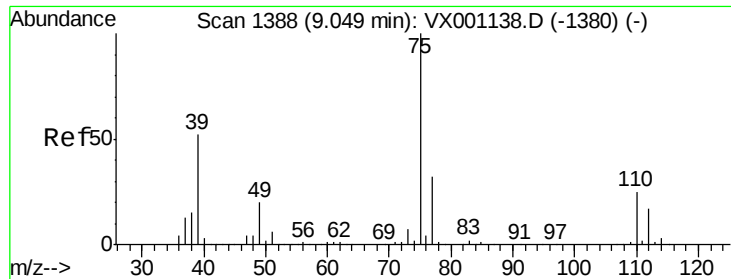
Tgt Ion: 98 Resp: 436032
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6



#52
Toluene
Concen: 3.45 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

Tgt Ion: 92 Resp: 18690
Ion Ratio Lower Upper
92 100
91 173.1 139.8 209.6





#54

cis-1,3-Dichloropropene

Concen: 3.25 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. -0.26 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

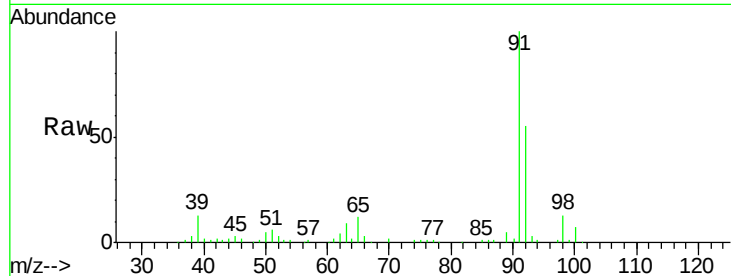
Tgt Ion: 75 Resp: 236

Ion Ratio Lower Upper

75 100

77 134.4 25.4 38.2#

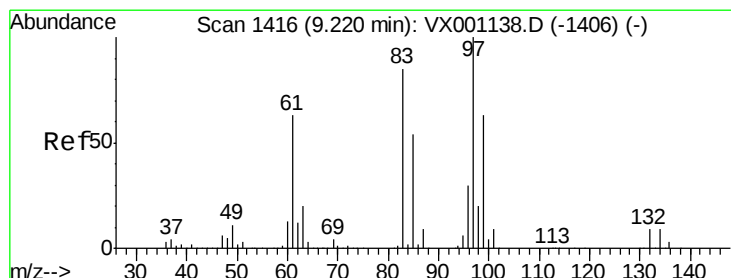
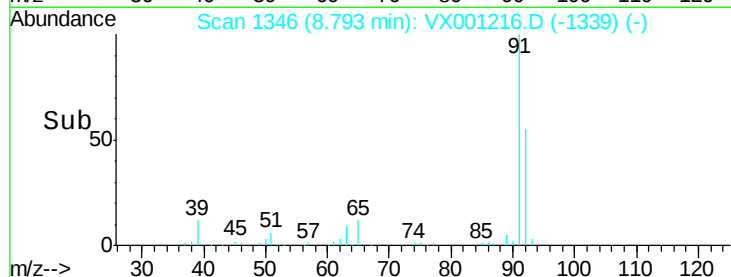
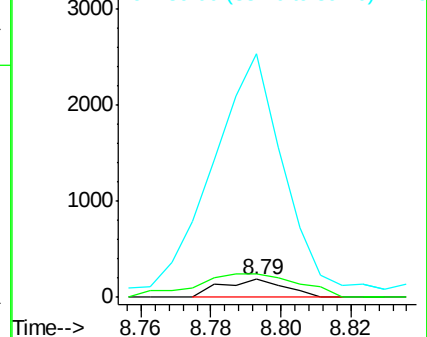
39 1296.2 42.0 63.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0



#55

1,1,2-Trichloroethane

Concen: 32.66 ug/l

RT: 9.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Tgt Ion: 97 Resp: 74966

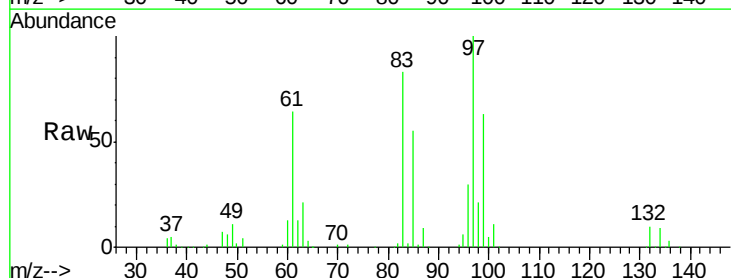
Ion Ratio Lower Upper

97 100

83 83.2 68.0 102.0

85 55.2 42.9 64.3

99 63.1 50.3 75.5

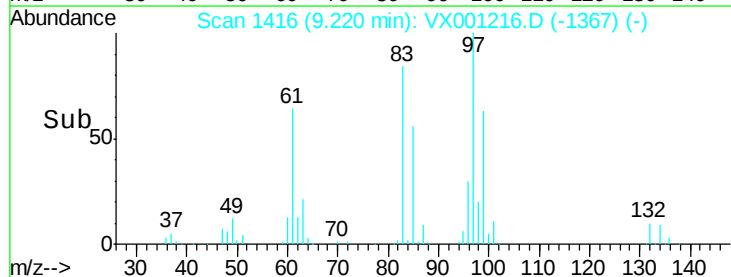
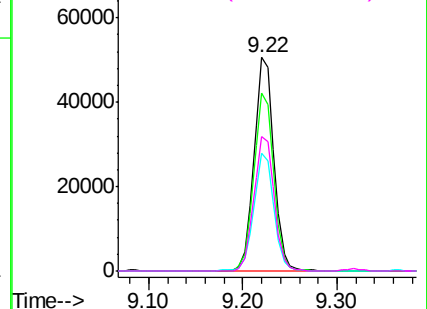


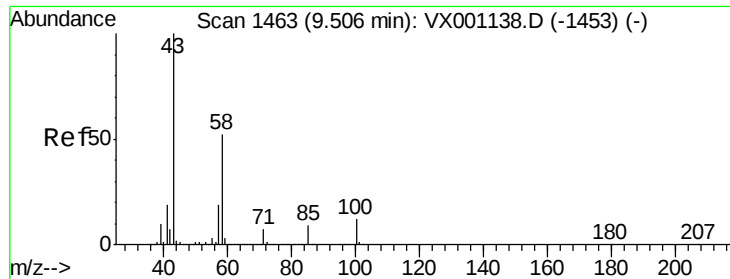
Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0





#59

2-Hexanone

Concen: 5.04 ug/l

RT: 9.32 min Scan# 1432

Delta R.T. -0.19 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

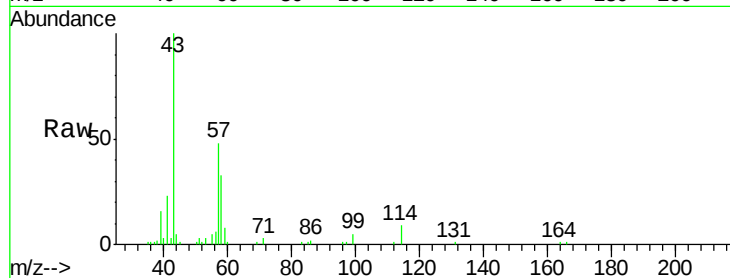
SS043MW009-180419DL

Tgt Ion: 43 Resp: 13986

Ion Ratio Lower Upper

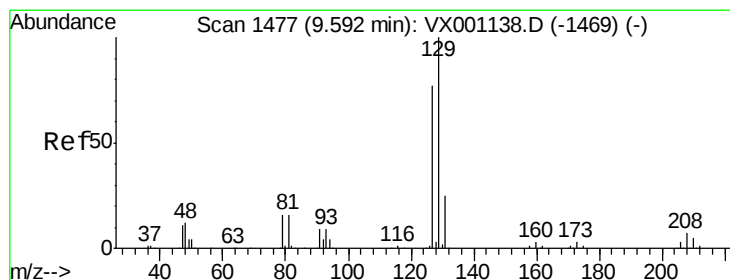
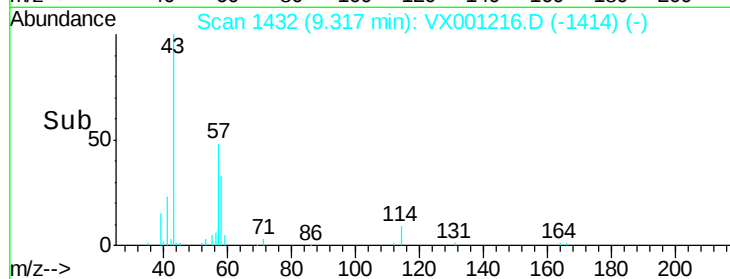
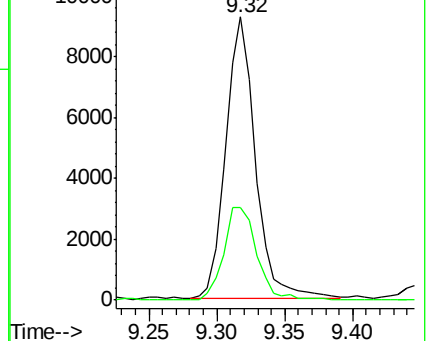
43 100

58 36.8 25.8 77.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#60

Dibromochloromethane

Concen: 3.71 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001216.D

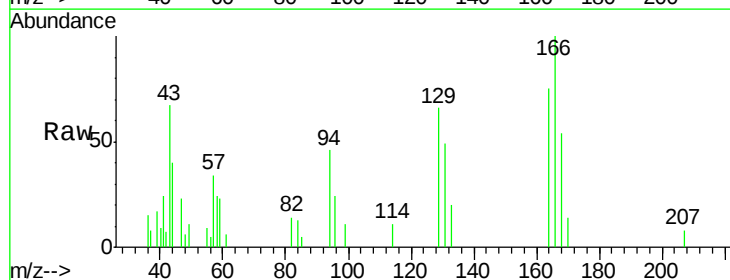
Acq: 28 Apr 2018 16:22

Tgt Ion: 129 Resp: 1031

Ion Ratio Lower Upper

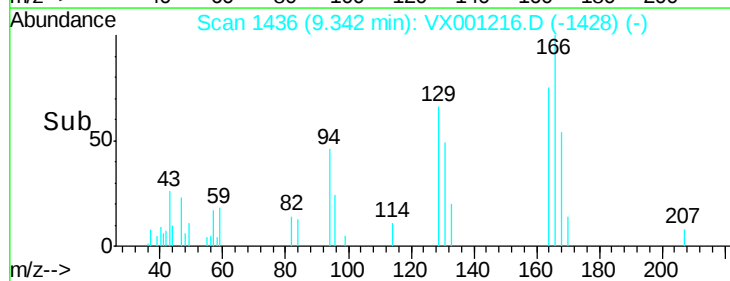
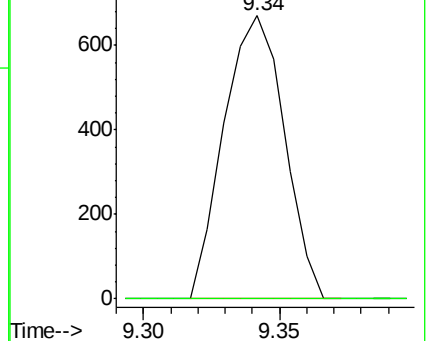
129 100

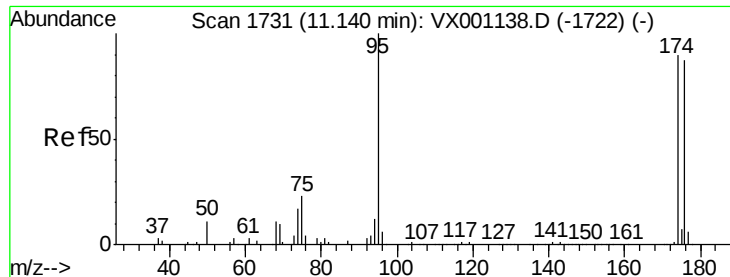
127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

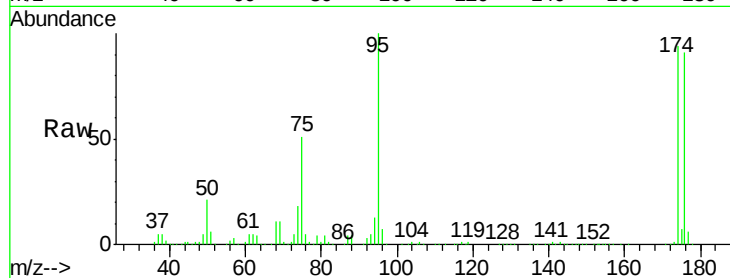
Tgt Ion: 95 Resp: 145337

Ion Ratio Lower Upper

95 100

174 103.4 0.0 194.4

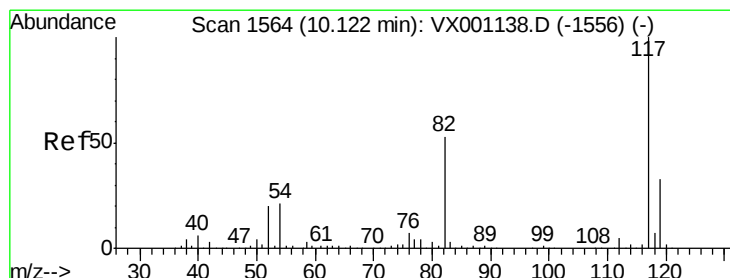
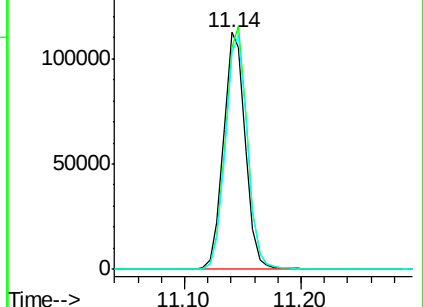
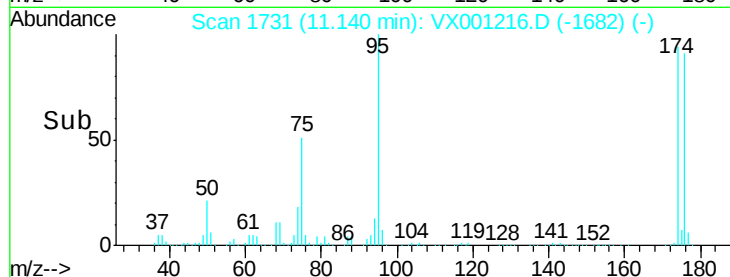
176 99.7 0.0 190.2



Abundance Ion 94.90 (94.60 to 95.60): VX001216.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001216.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001216.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

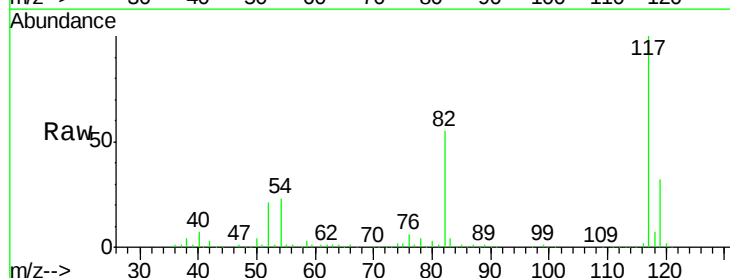
Tgt Ion: 117 Resp: 227922

Ion Ratio Lower Upper

117 100

82 55.0 42.1 63.1

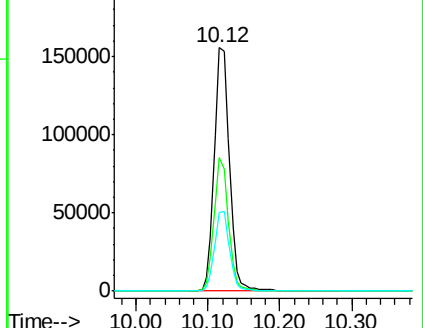
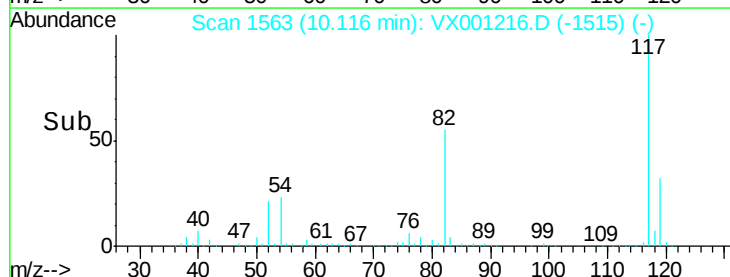
119 32.3 26.1 39.1

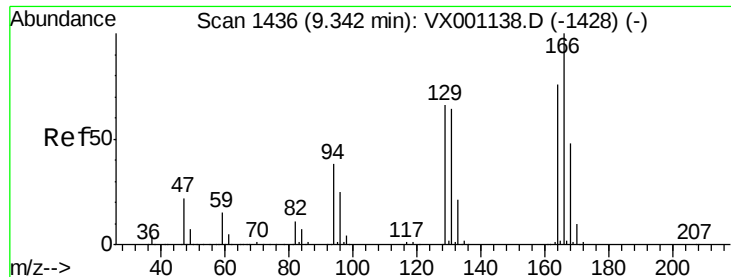


Abundance Ion 116.90 (116.60 to 117.60): VX001216.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX001216.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX001216.D (-1515) (-)





#64

Tetrachloroethene

Concen: 0.52 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. 0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

Tgt Ion:164 Resp: 1260

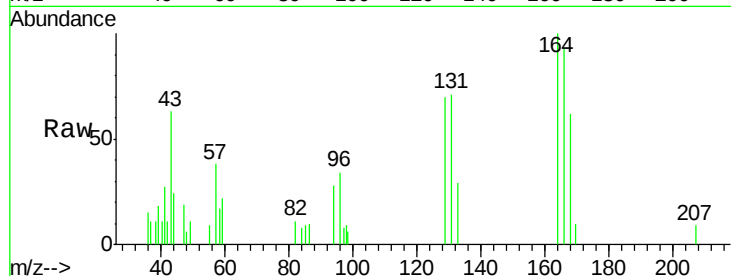
Ion Ratio Lower Upper

164 100

166 92.6 105.0 157.6#

129 69.9 69.4 104.2

131 71.0 67.3 100.9

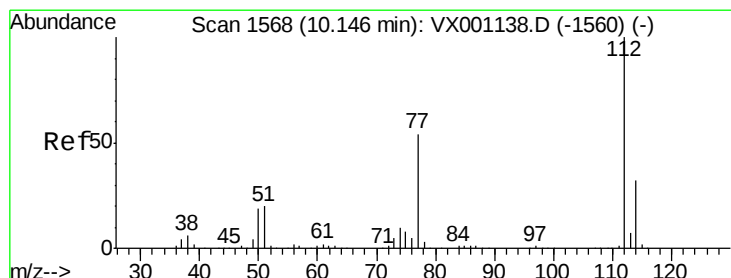
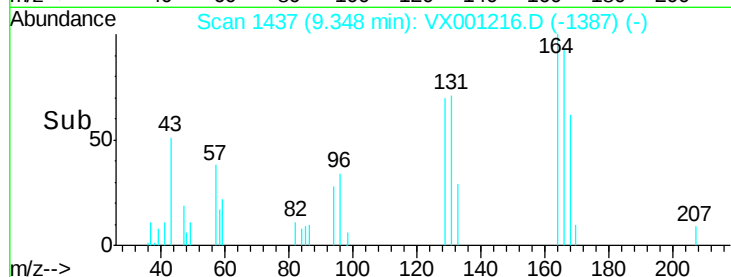
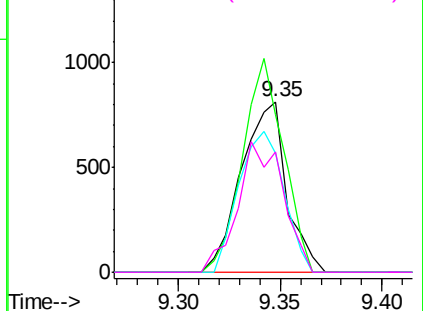


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 2.12 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VX001216.D

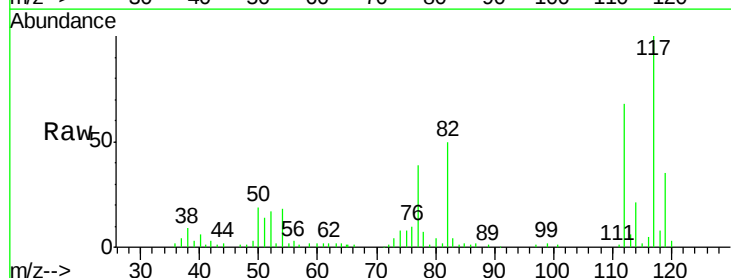
Acq: 28 Apr 2018 16:22

Tgt Ion:112 Resp: 12656

Ion Ratio Lower Upper

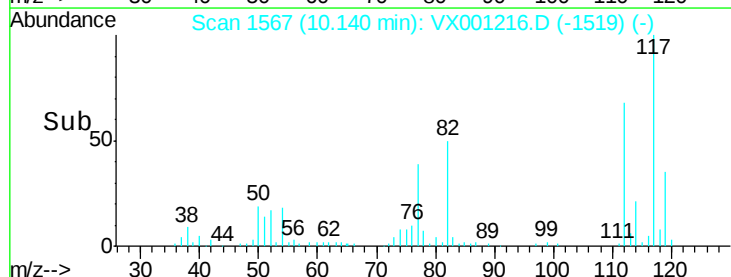
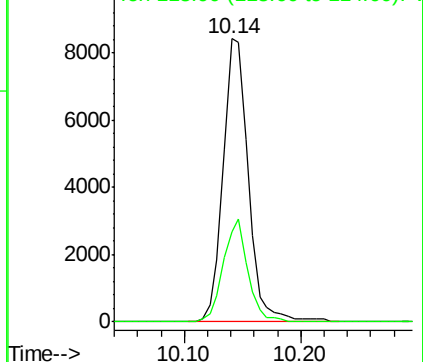
112 100

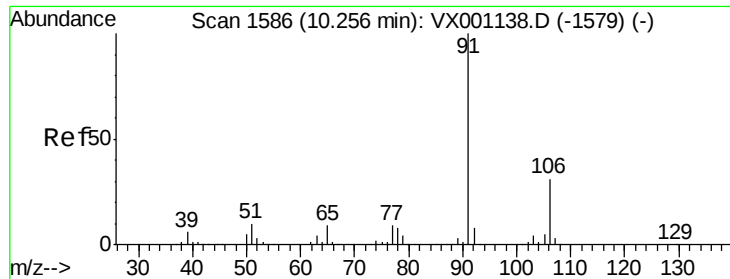
114 31.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.21 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

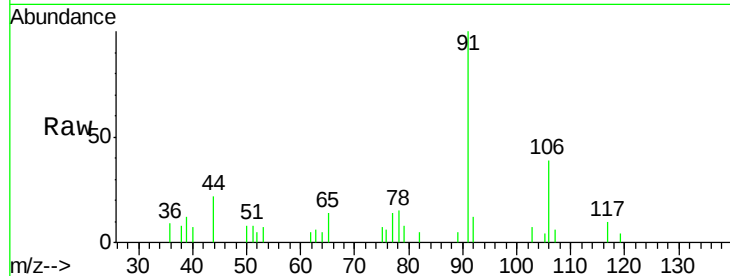
SS043MW009-180419DL

Tgt Ion: 91 Resp: 2007

Ion Ratio Lower Upper

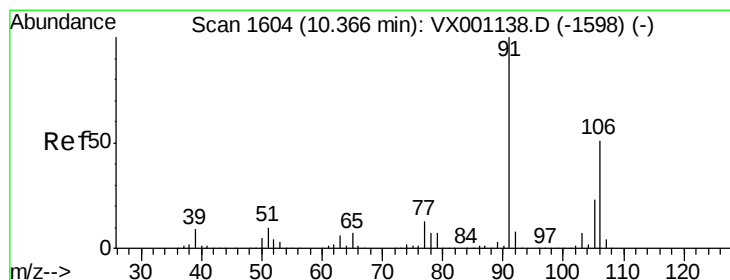
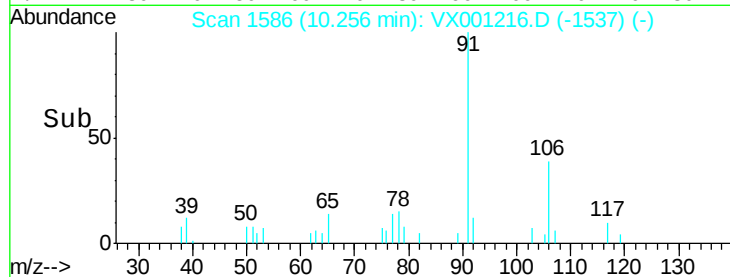
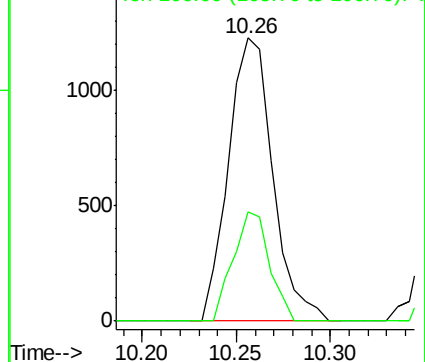
91 100

106 38.8 24.8 37.2#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.41 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001216.D

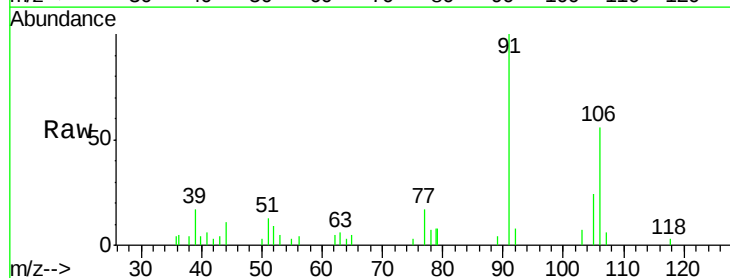
Acq: 28 Apr 2018 16:22

Tgt Ion: 106 Resp: 1587

Ion Ratio Lower Upper

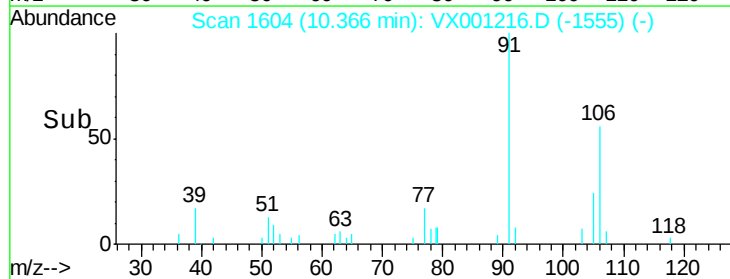
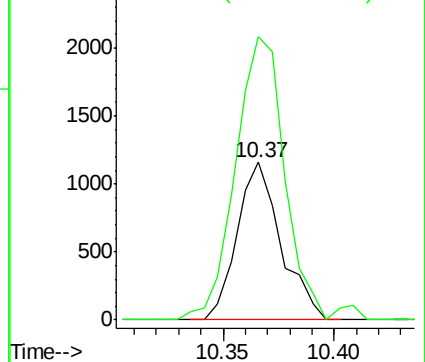
106 100

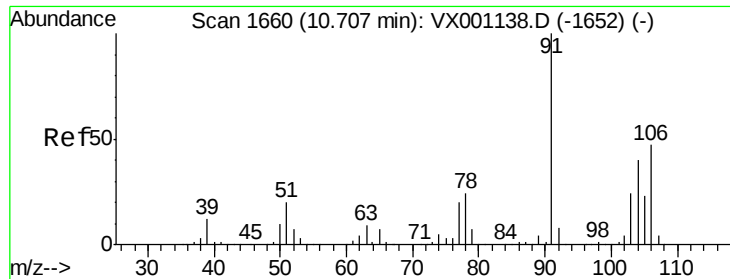
91 205.3 160.9 241.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

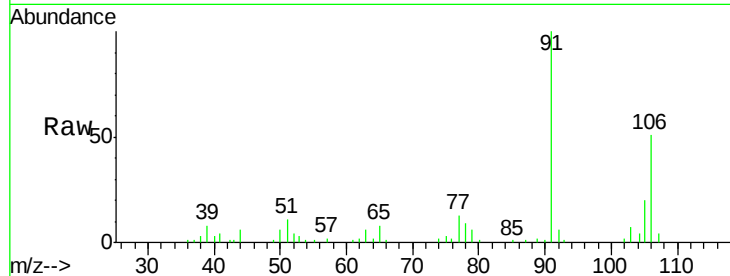




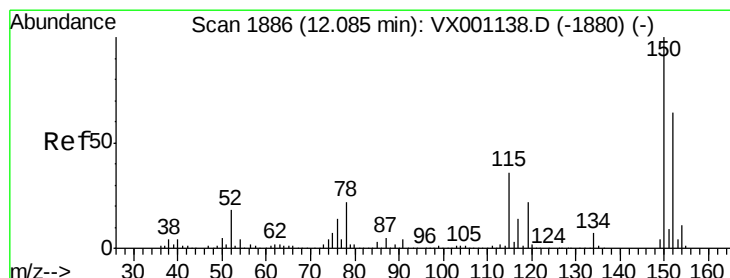
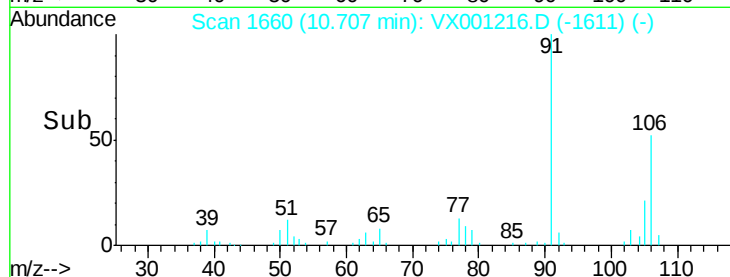
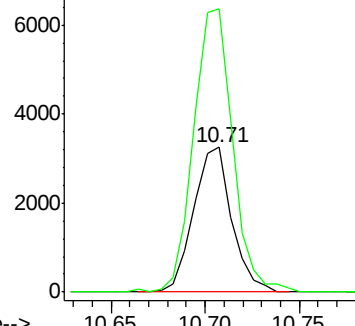
#69
o-Xylene
Concen: 1.23 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

Instrument :
MSVOA_X
ClientSampleId :
SS043MW009-180419DL

Tgt Ion:106 Resp: 4570
Ion Ratio Lower Upper
106 100
91 200.6 106.2 318.5

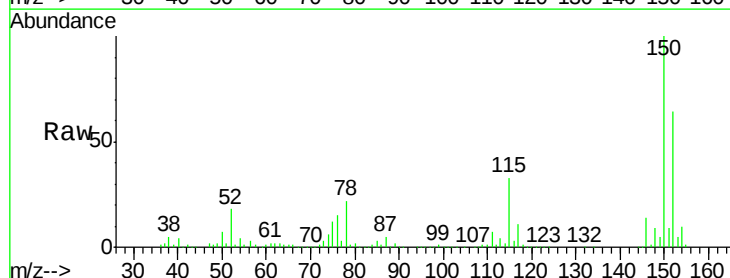


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

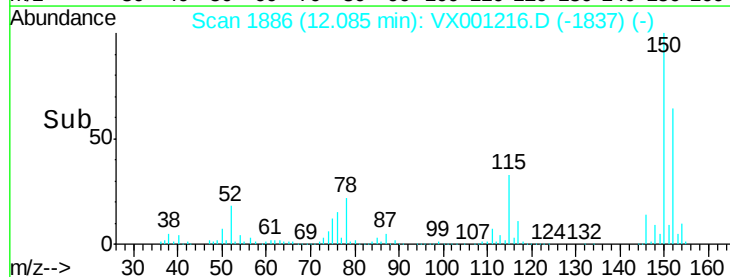
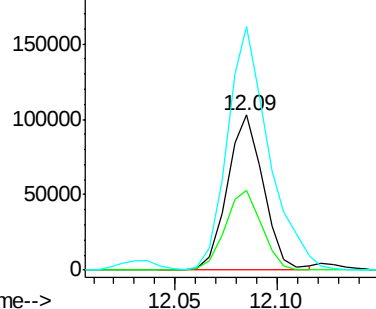


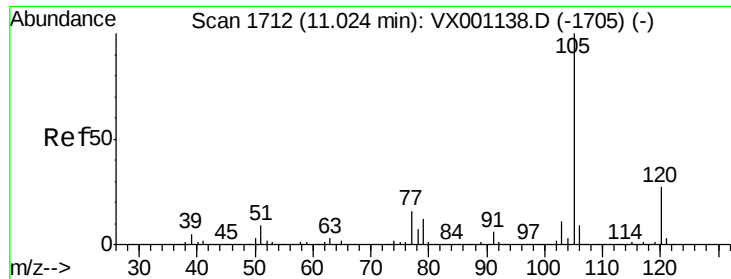
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001216.D
Acq: 28 Apr 2018 16:22

Tgt Ion:152 Resp: 126534
Ion Ratio Lower Upper
152 100
115 52.4 38.0 114.0
150 181.1 0.0 349.6



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





#73

Isopropylbenzene

Concen: 0.37 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

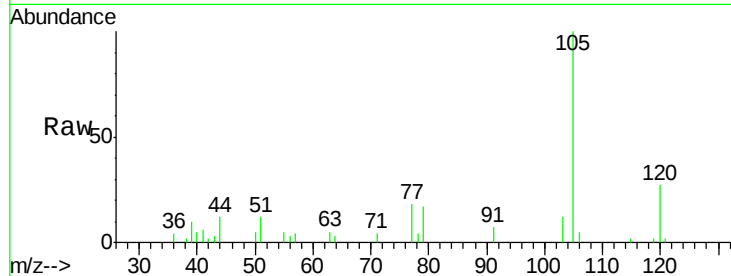
SS043MW009-180419DL

Tgt Ion: 105 Resp: 3048

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

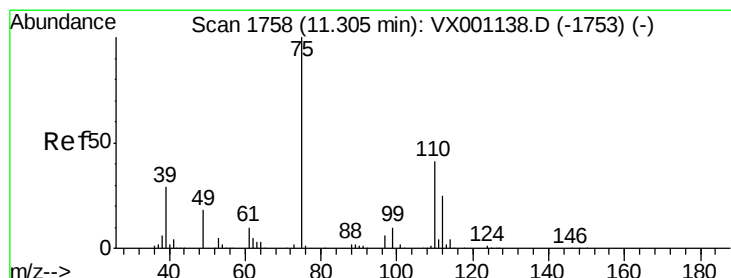
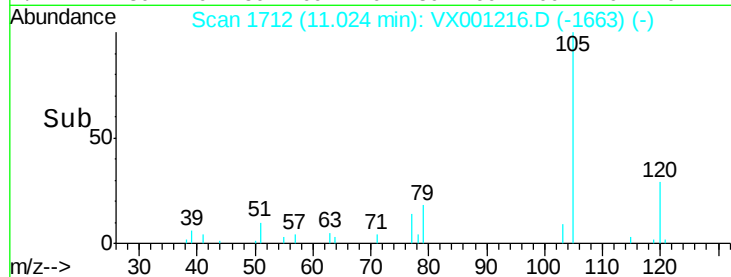
2000

1500

1000

500

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001216.D

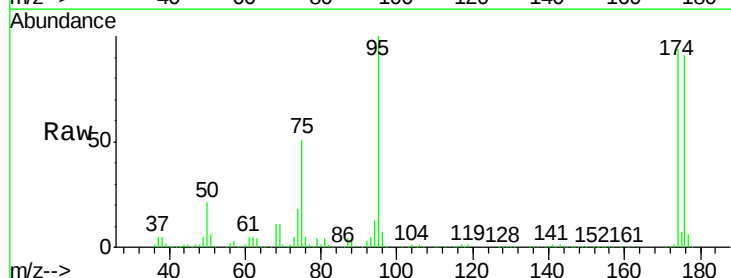
Acq: 28 Apr 2018 16:22

Tgt Ion: 75 Resp: 75378

Ion Ratio Lower Upper

75 100

77 1.1 18.9 56.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

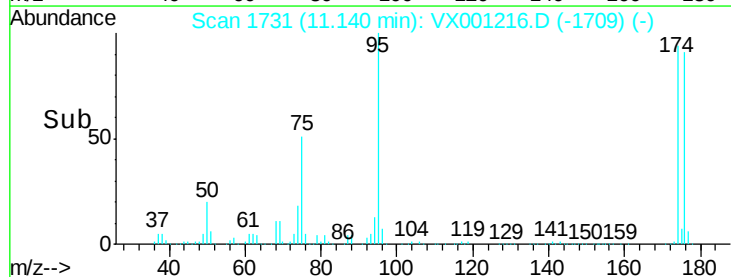
60000

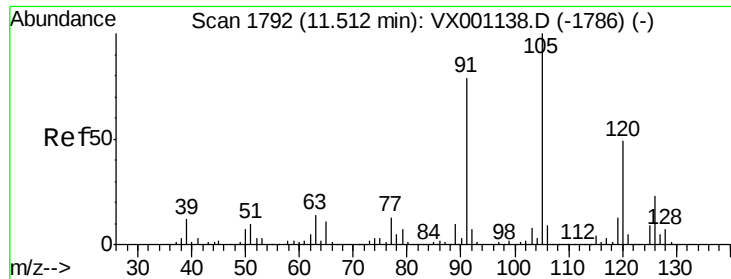
40000

20000

0

Time-->

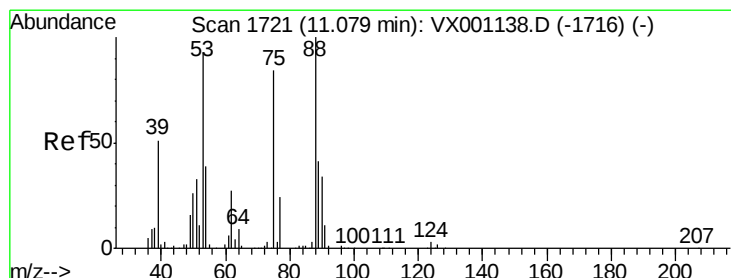
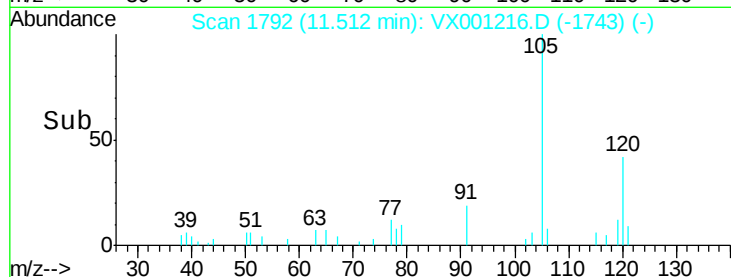
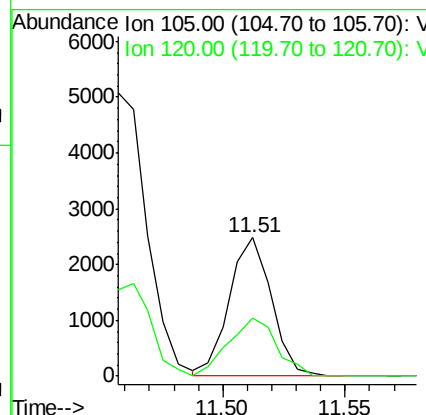
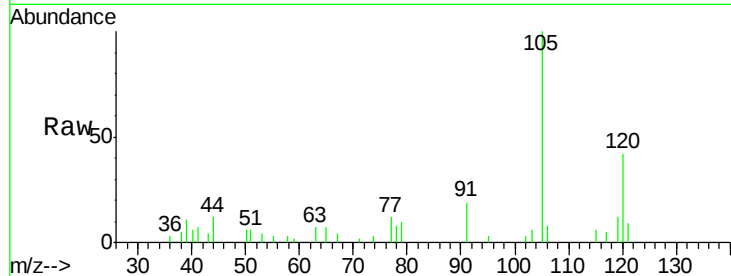




#80
 1,3,5-Trimethylbenzene
 Concen: 0.43 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

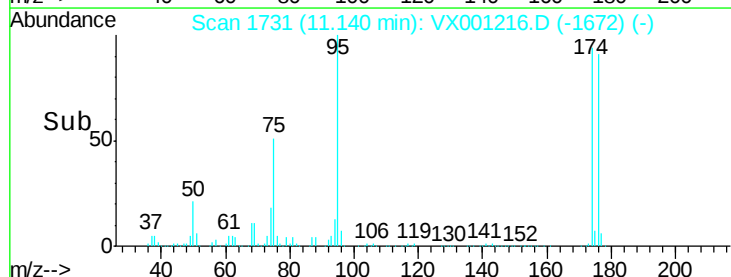
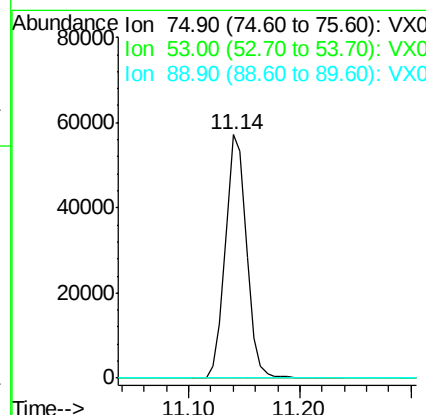
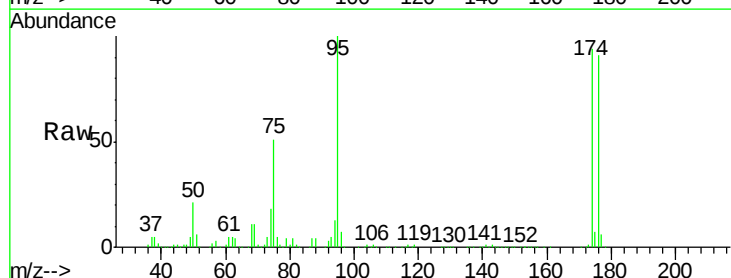
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419DL

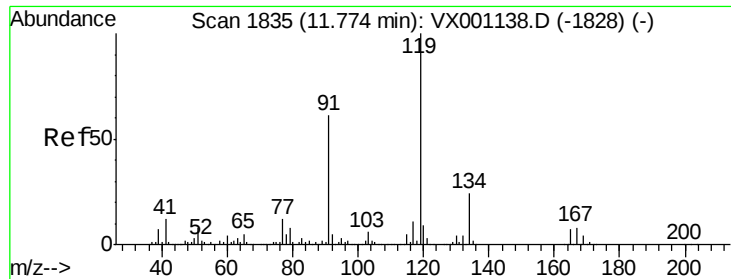
Tgt Ion: 105 Resp: 2971
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.6 74.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.58 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

Tgt Ion: 75 Resp: 75378
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.9 131.9#
 89 0.0 37.7 56.5#

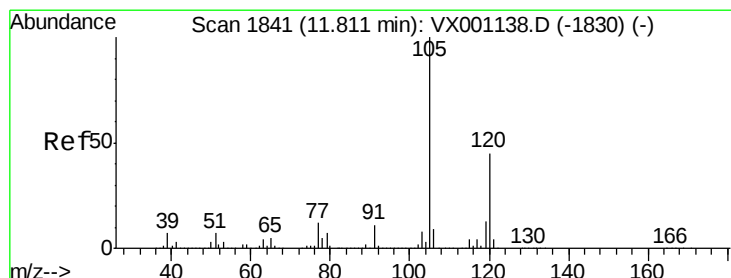
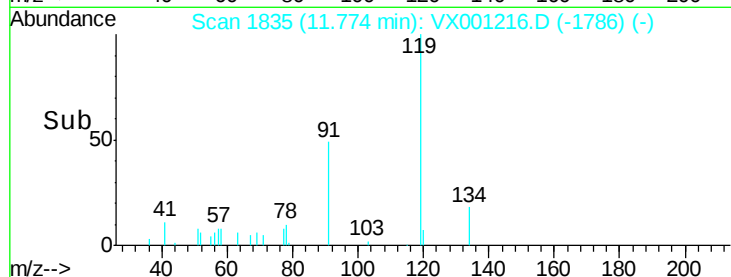
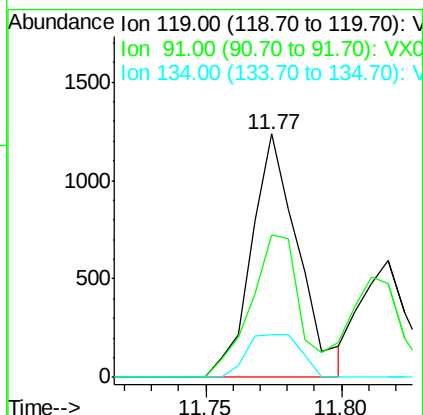
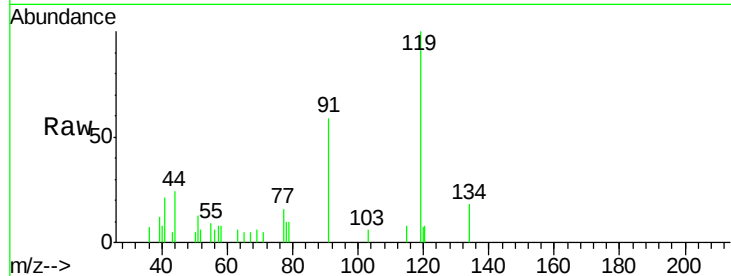




#83
 tert-Butylbenzene
 Concen: 0.21 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

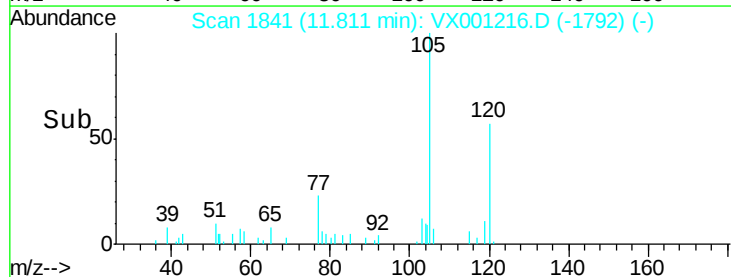
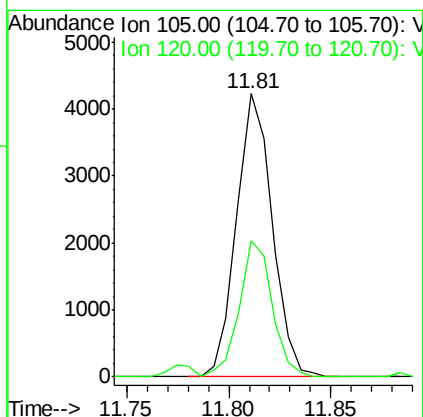
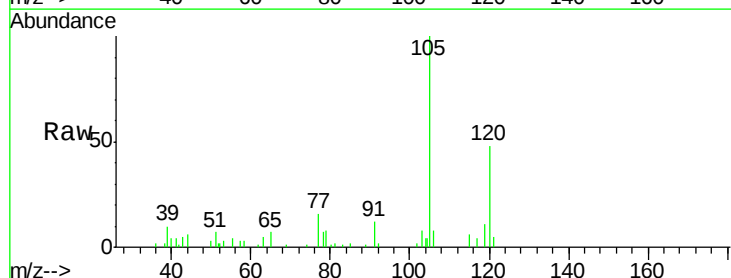
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419DL

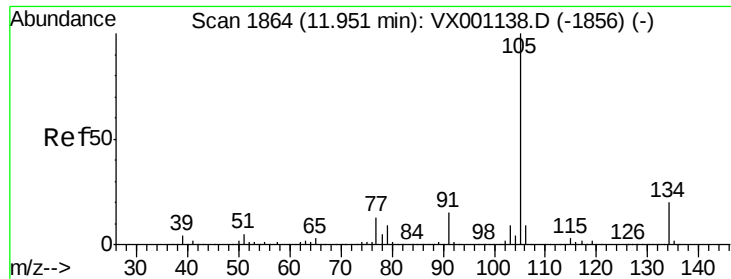
Tgt Ion:119 Resp: 1476
 Ion Ratio Lower Upper
 119 100
 91 61.2 27.6 82.8
 134 20.5 11.5 34.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.72 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

Tgt Ion:105 Resp: 5140
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.4 67.3





#85

sec-Butylbenzene

Concen: 0.48 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

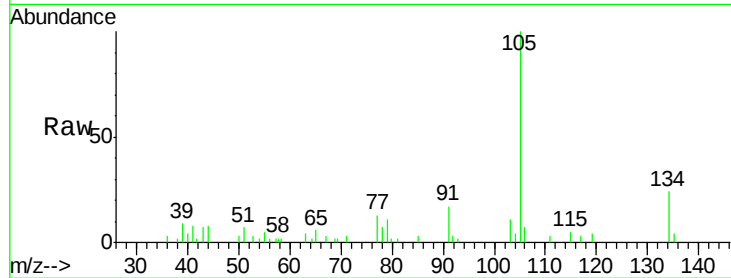
SS043MW009-180419DL

Tgt Ion:105 Resp: 3881

Ion Ratio Lower Upper

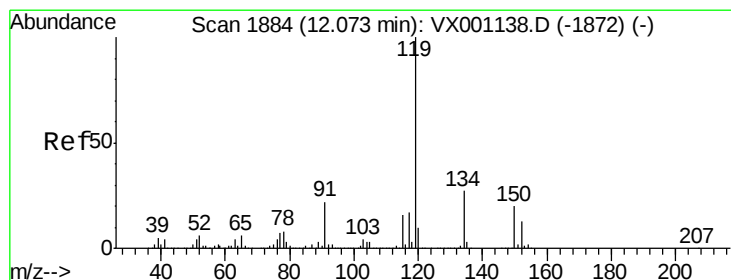
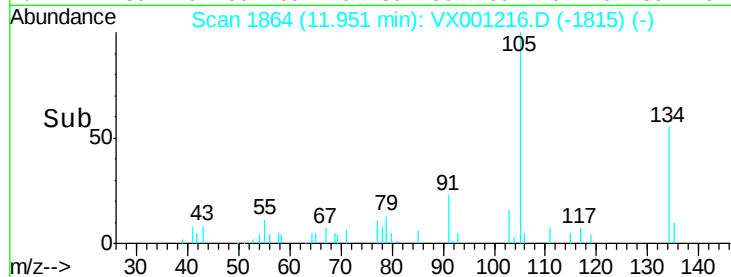
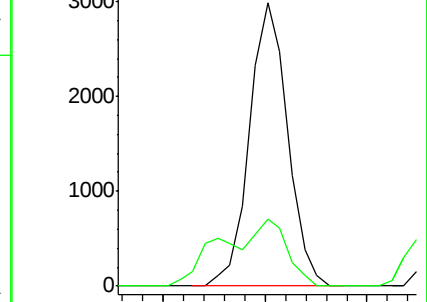
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.61 ug/l

RT: 12.07 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

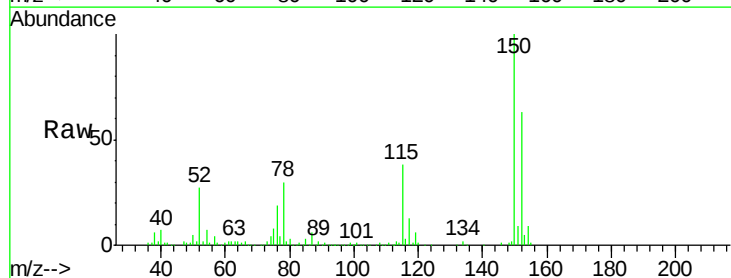
Tgt Ion:119 Resp: 4639

Ion Ratio Lower Upper

119 100

134 28.4 13.4 40.1

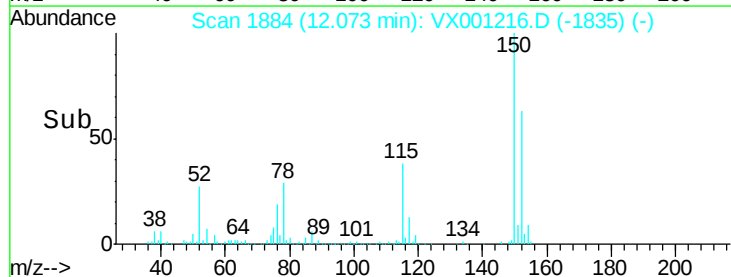
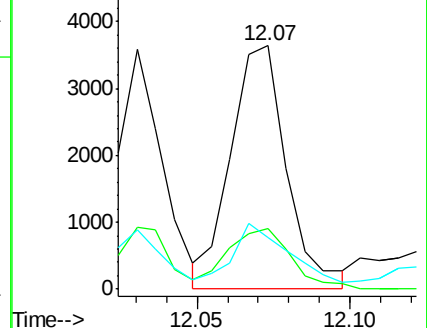
91 27.1 11.6 34.8

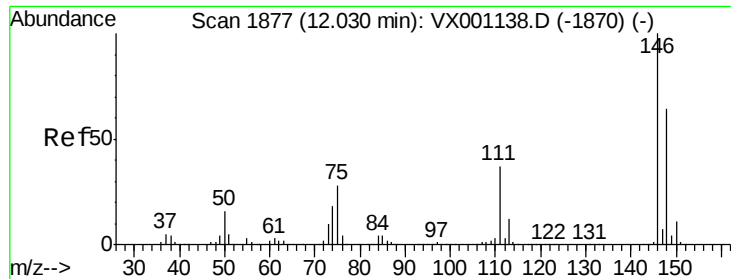


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

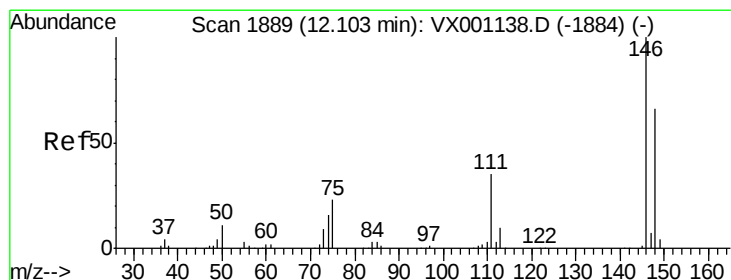
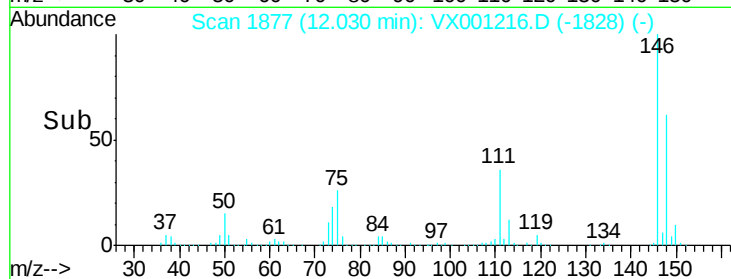
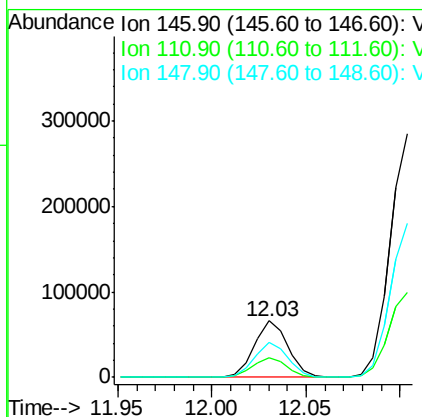
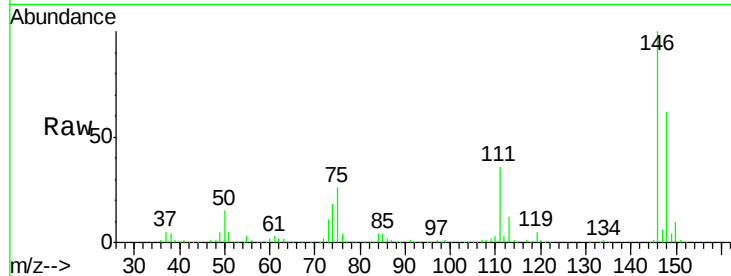




#87
 1,3-Dichlorobenzene
 Concen: 18.60 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

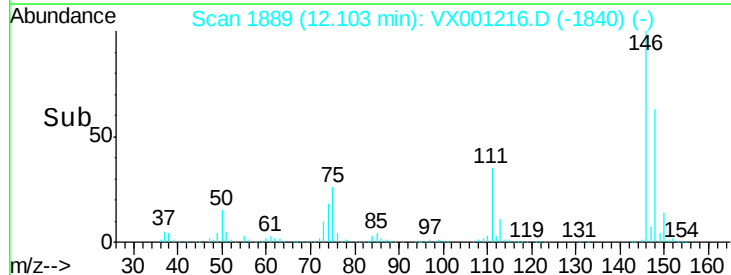
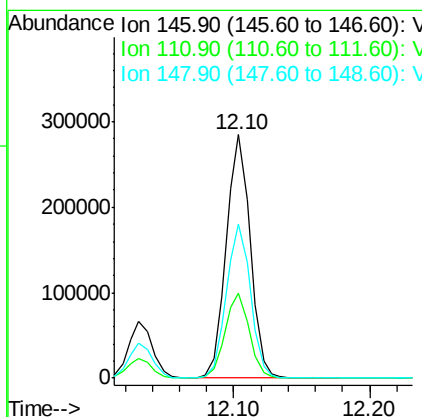
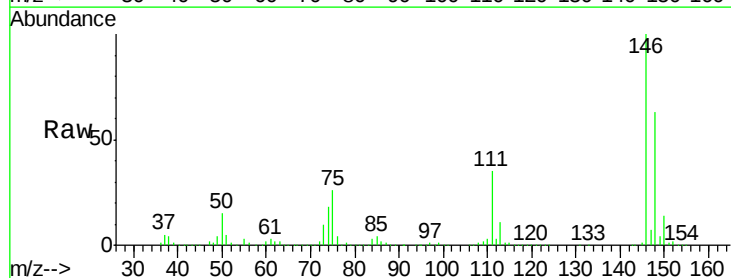
Instrument :
 MSVOA_X
 ClientSampleId :
 SS043MW009-180419DL

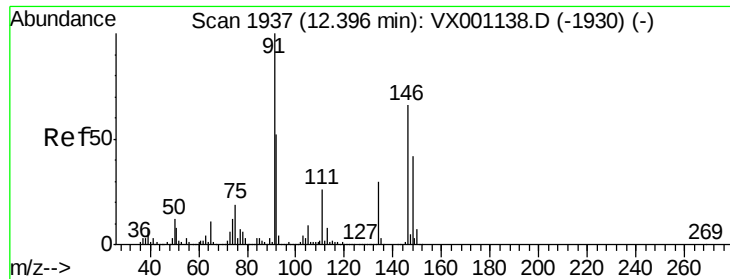
Tgt Ion:146 Resp: 81687
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.6 56.0
 148 62.4 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 75.88 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VX001216.D
 Acq: 28 Apr 2018 16:22

Tgt Ion:146 Resp: 347104
 Ion Ratio Lower Upper
 146 100
 111 35.4 18.0 54.0
 148 63.7 32.5 97.5





#89

n-Butylbenzene

Concen: 0.50 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

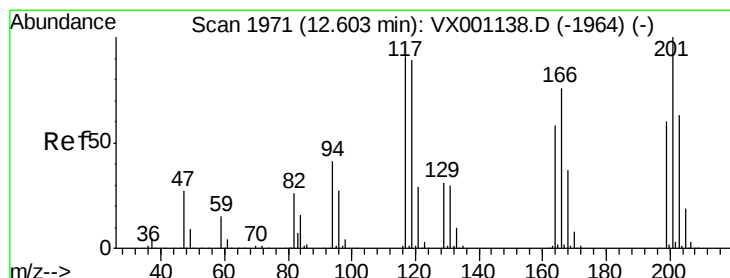
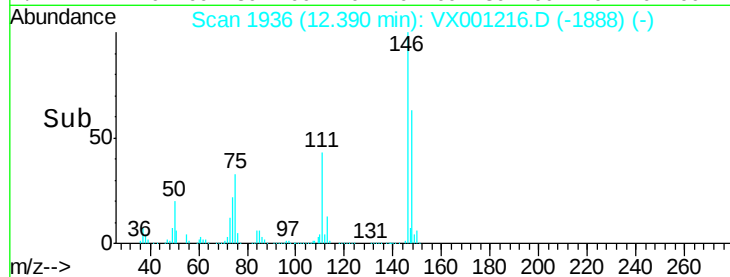
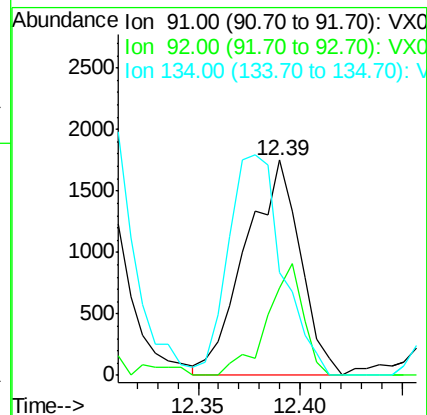
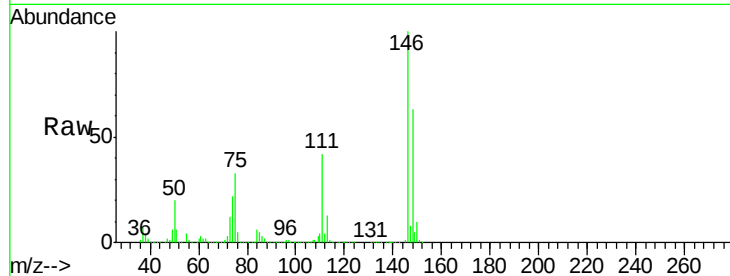
Tgt Ion: 91 Resp: 3266

Ion Ratio Lower Upper

91 100

92 34.4 26.2 78.6

134 101.0 14.1 42.3#



#90

Hexachloroethane

Concen: 4.35 ug/l

RT: 12.60 min Scan# 1970

Delta R.T. -0.01 min

Lab File: VX001216.D

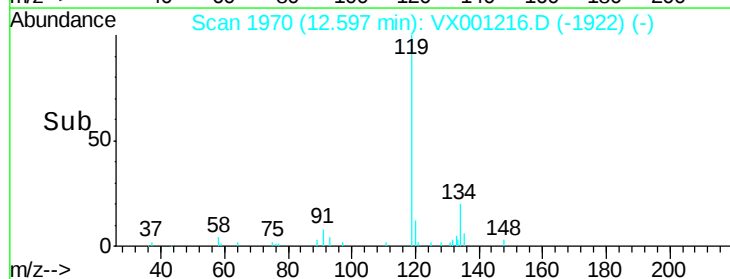
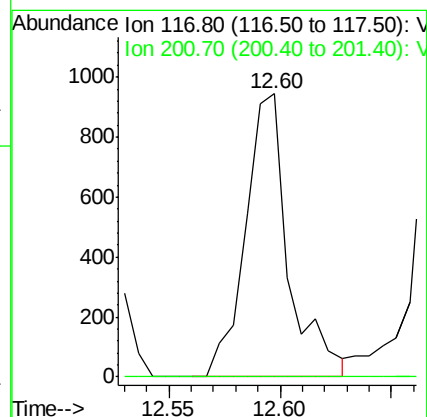
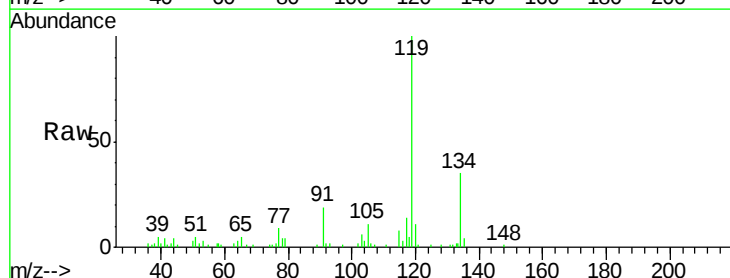
Acq: 28 Apr 2018 16:22

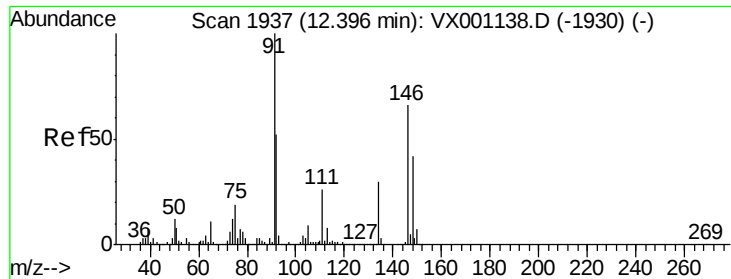
Tgt Ion: 117 Resp: 1279

Ion Ratio Lower Upper

117 100

201 0.0 51.8 155.4#





#91

1,2-Dichlorobenzene

Concen: 595.09 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

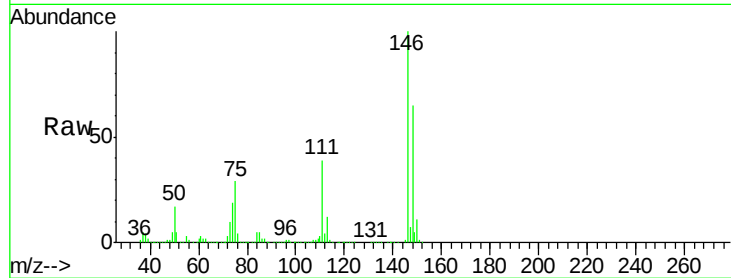
Tgt Ion:146 Resp: 2640799

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

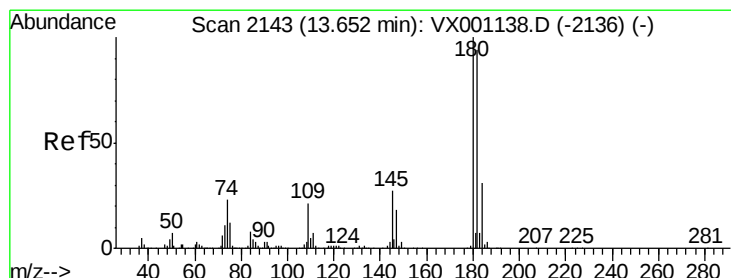
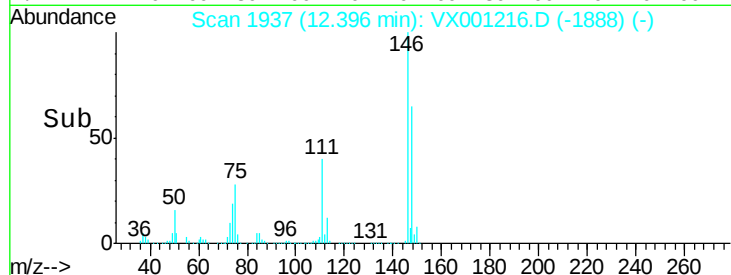
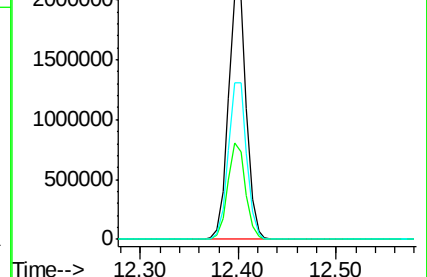
148 64.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.74 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

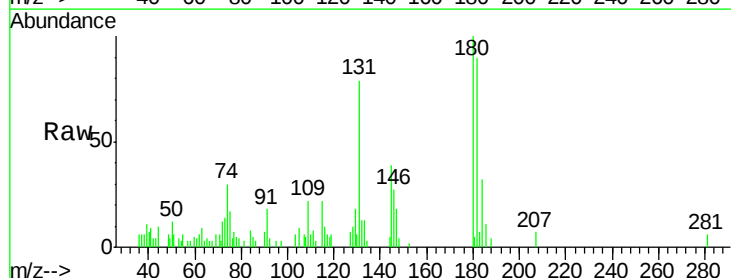
Tgt Ion:180 Resp: 2583

Ion Ratio Lower Upper

180 100

182 102.2 47.9 143.6

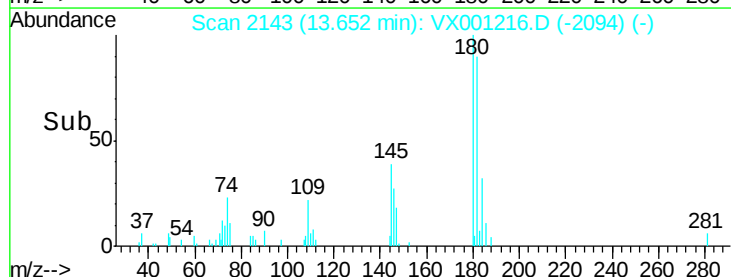
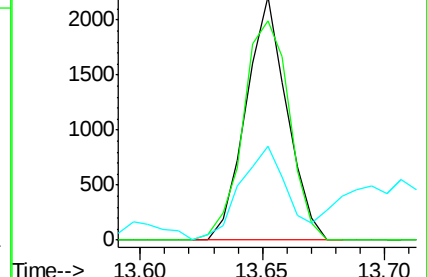
145 44.7 13.8 41.4#

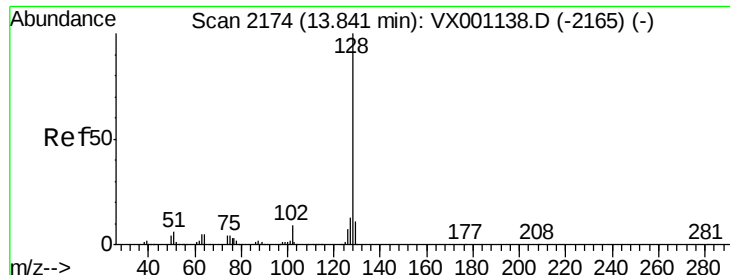


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.39 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

Instrument :

MSVOA_X

ClientSampleId :

SS043MW009-180419DL

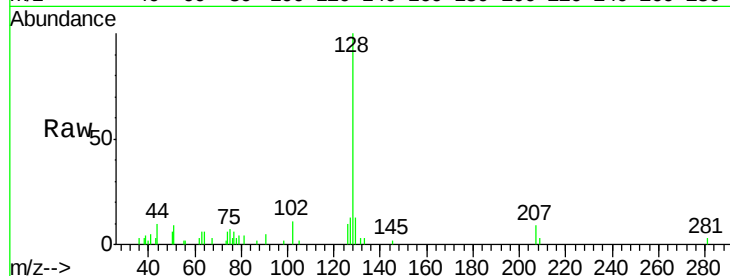
Tgt Ion:128 Resp: 3812

Ion Ratio Lower Upper

128 100

127 14.8 10.6 15.8

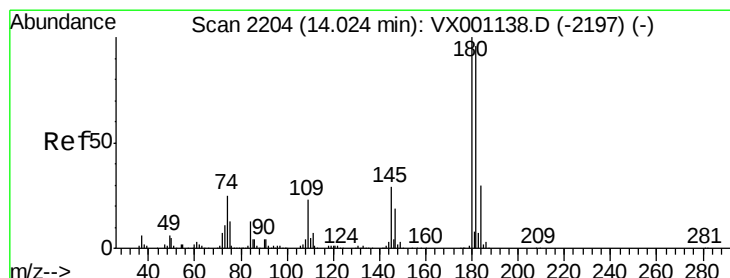
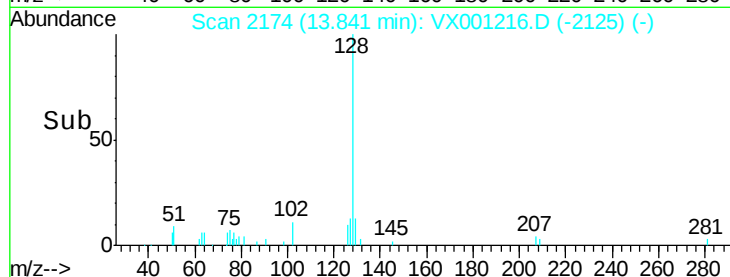
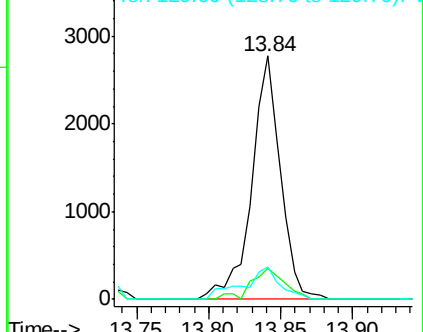
129 17.3 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.44 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. 0.00 min

Lab File: VX001216.D

Acq: 28 Apr 2018 16:22

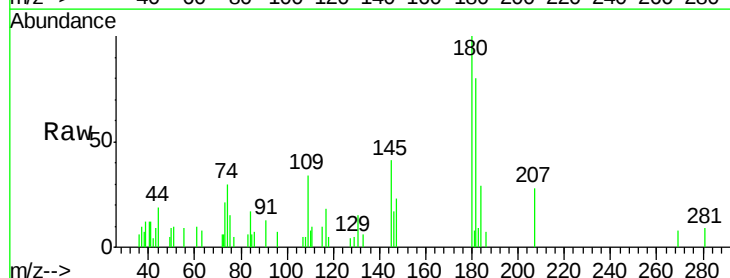
Tgt Ion:180 Resp: 1540

Ion Ratio Lower Upper

180 100

182 88.2 48.2 144.6

145 56.2 14.5 43.5#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

