

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121818\
 Data File : VX006616.D
 Acq On : 19 Dec 2018 00:18
 Operator : JC/MD
 Sample : J6408-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA.MW129I-20181208

Quant Time: Dec 19 06:05:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	651447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1034552	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	943022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	444779	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	356711	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
35) Dibromofluoromethane	5.51	113	310017	47.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.78%	
50) Toluene-d8	8.71	98	1221536	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.14	95	445608	49.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.66%	

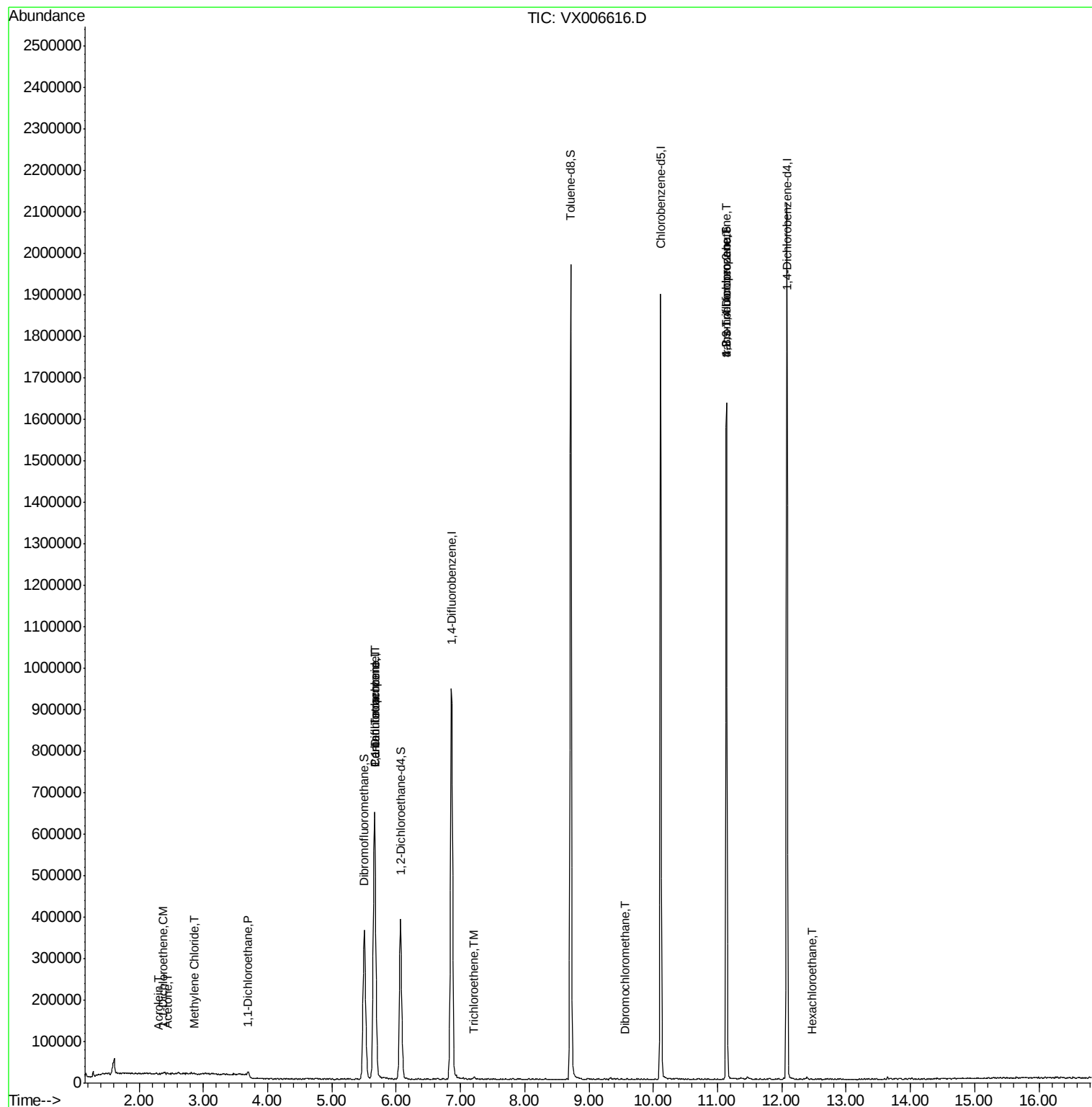
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	714	Below Cal		97
12) 1,1-Dichloroethene	2.37	96	1434	0.246	ug/l #	73
13) Acrolein	2.29	56	249	0.236	ug/l #	13
16) Acetone	2.45	43	1939	0.601	ug/l	100
20) Methylene Chloride	2.85	84	1420	0.213	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	10735	1.003	ug/l	97
28) Bromochloromethane	5.04	49	360	Below Cal	#	24
36) 1,1-Dichloropropene	5.66	75	42225	4.928	ug/l #	48
38) Carbon Tetrachloride	5.67	117	61215	7.351	ug/l #	15
44) Trichloroethene	7.20	130	1943	0.246	ug/l	77
49) 1,4-Dioxane	7.76	88	155	Below Cal	#	1
60) Dibromochloromethane	9.55	129	107	2.338	ug/l	62
76) 1,2,3-Trichloropropane	11.13	75	209103	26.824	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	209103	74.702	ug/l #	15
90) Hexachloroethane	12.48	117	60	3.306	ug/l	95

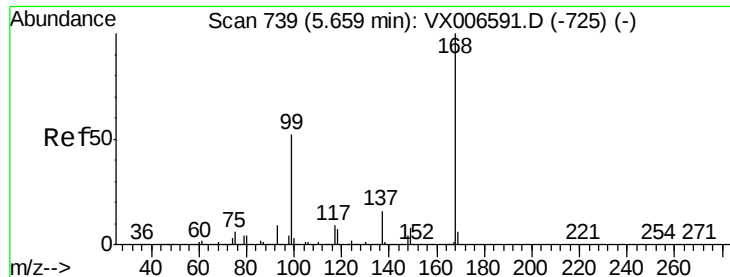
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:23:17 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

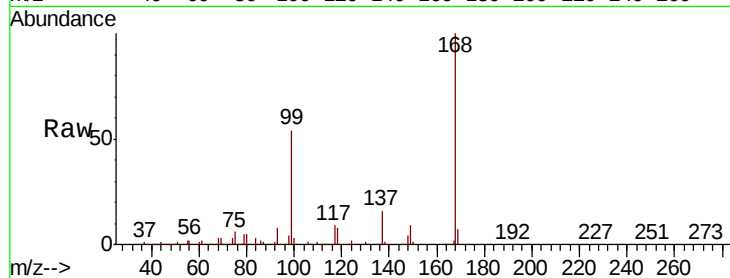
SA.MW129I-20181208

Tot Ion:168 Resp: 651447

Ion Ratio Lower Upper

168 100

99 53.5 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

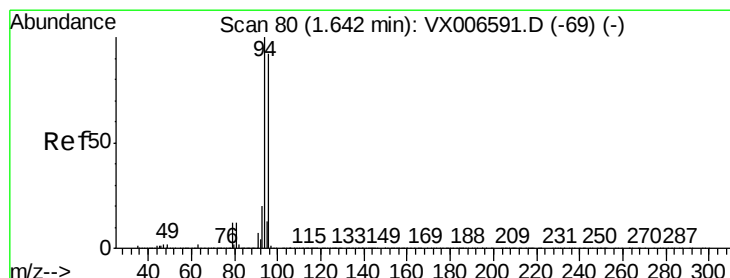
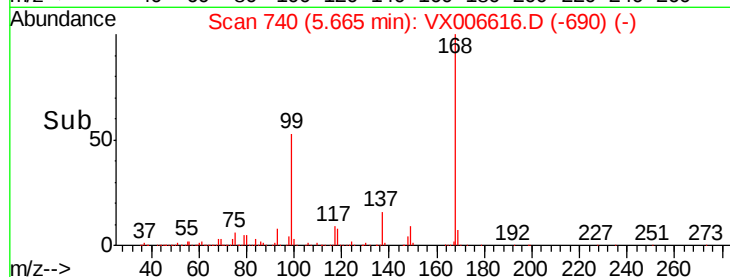
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006616.D

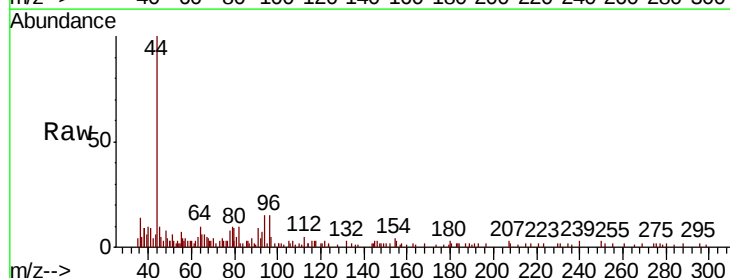
Acq: 19 Dec 2018 00:18

Tgt Ion: 94 Resp: 714

Ion Ratio Lower Upper

94 100

96 90.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

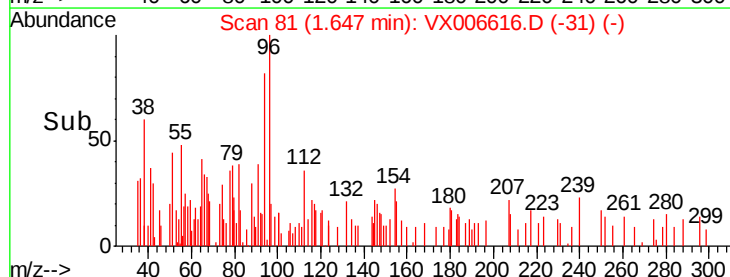
600

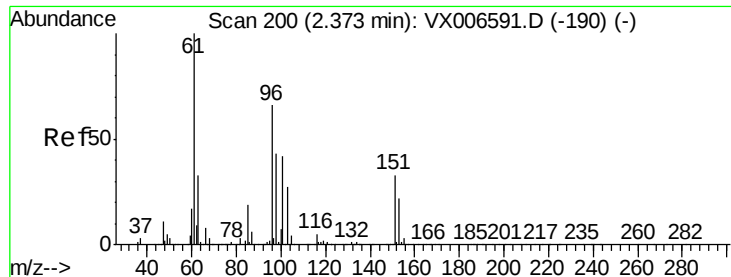
400

200

0

Time--> 1.65 1.70





#12

1,1-Dichloroethene

Concen: 0.246 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

SA.MW129I-20181208

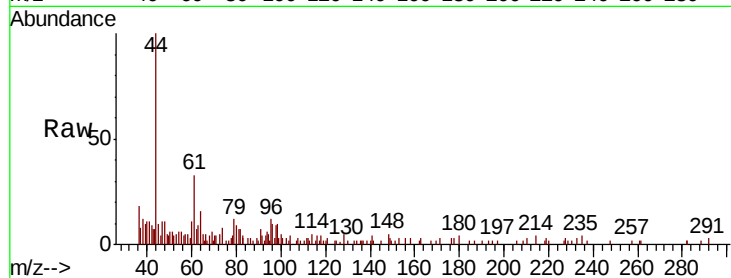
Tot Ion: 96 Resp: 1434

Ion Ratio Lower Upper

96 100

61 129.7 131.7 197.5#

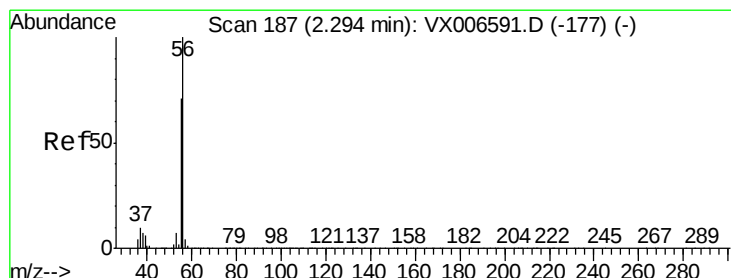
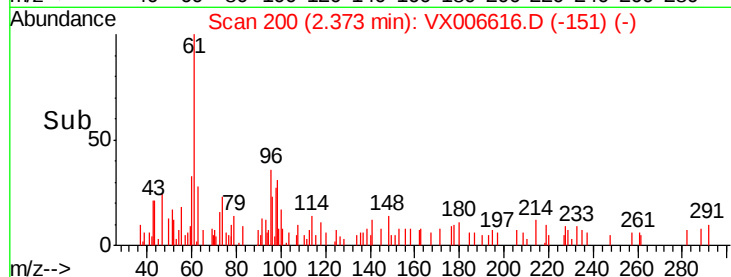
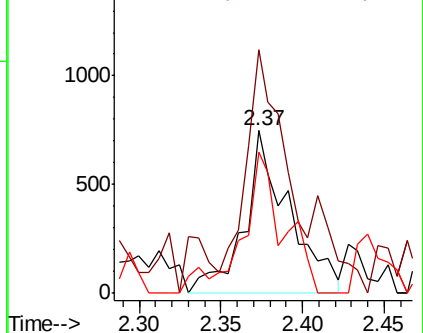
98 86.7 51.8 77.6#



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



#13

Acrolein

Concen: 0.236 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX006616.D

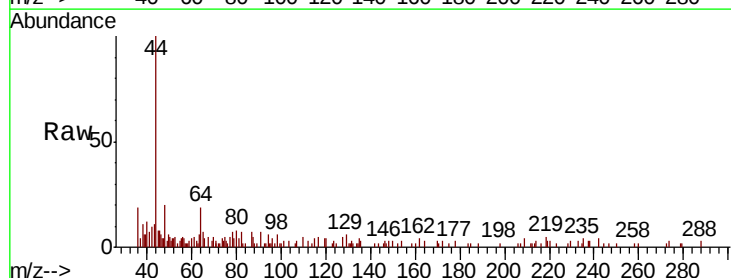
Acq: 19 Dec 2018 00:18

Tgt Ion: 56 Resp: 249

Ion Ratio Lower Upper

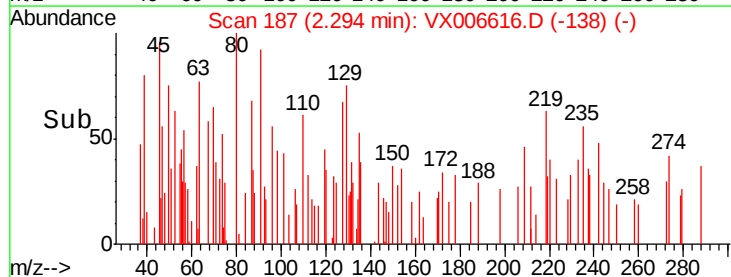
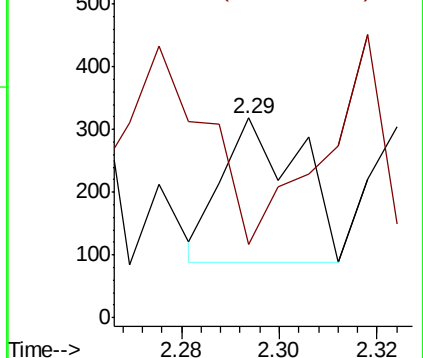
56 100

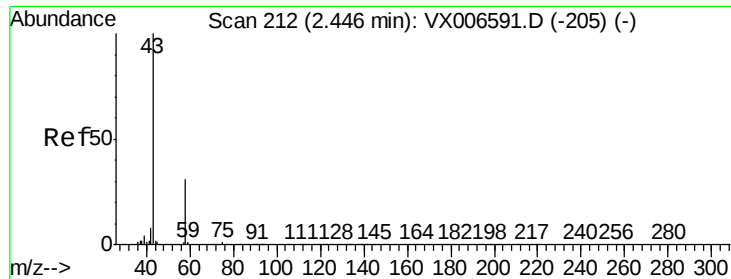
55 0.0 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

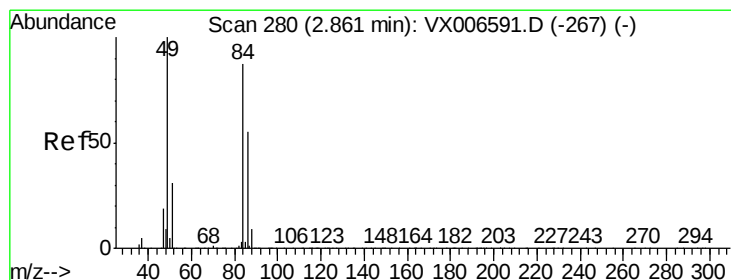
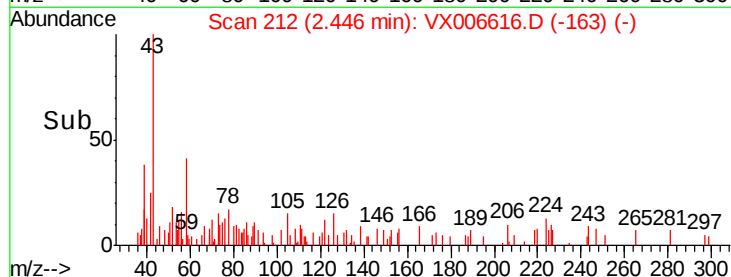
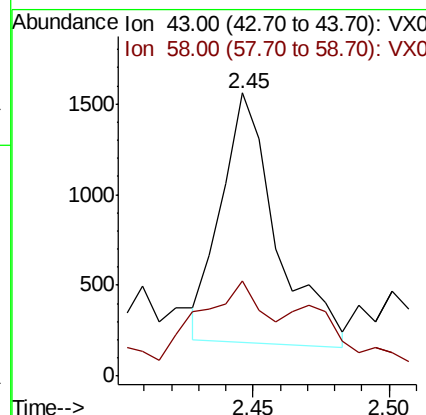
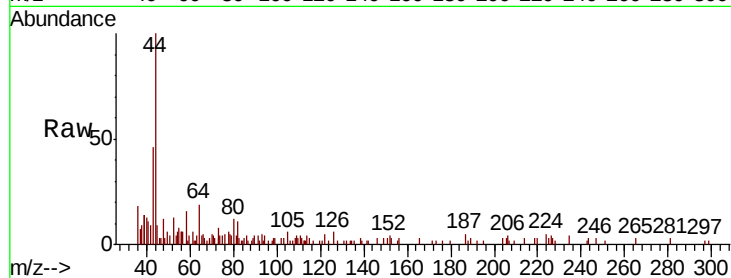




#16
Acetone
Concen: 0.601 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

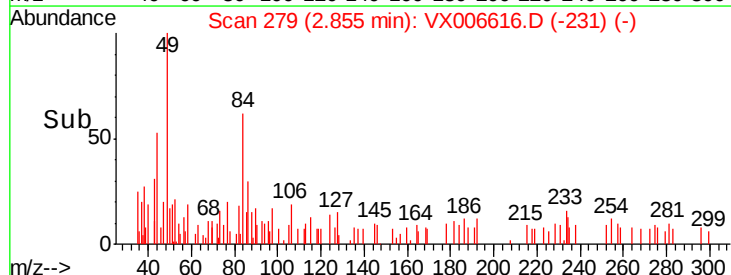
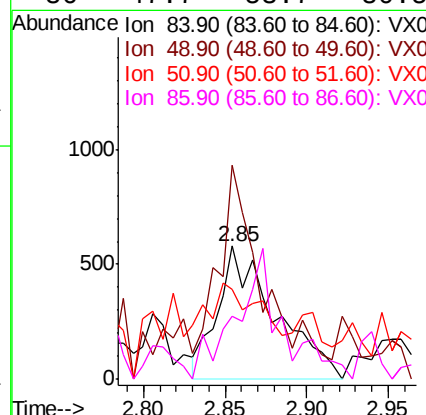
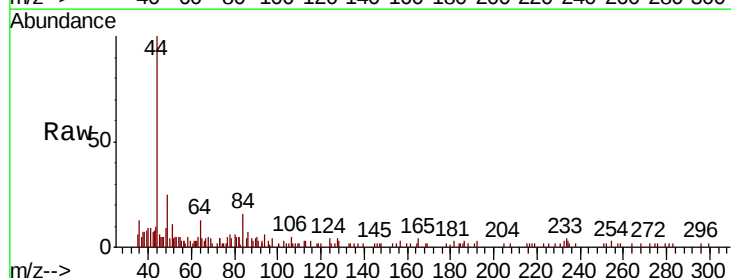
Instrument :
MSVOA_X
ClientSampleId :
SA.MW129I-20181208

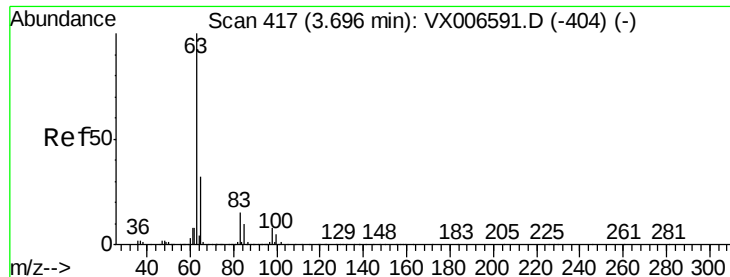
Tot Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
58 30.1 24.0 36.0



#20
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

Tgt Ion: 84 Resp: 1420
Ion Ratio Lower Upper
84 100
49 141.8 102.2 153.4
51 38.7 31.1 46.7
86 47.7 53.7 80.5#





#24

1,1-Dichloroethane

Concen: 1.003 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

SA.MW129I-20181208

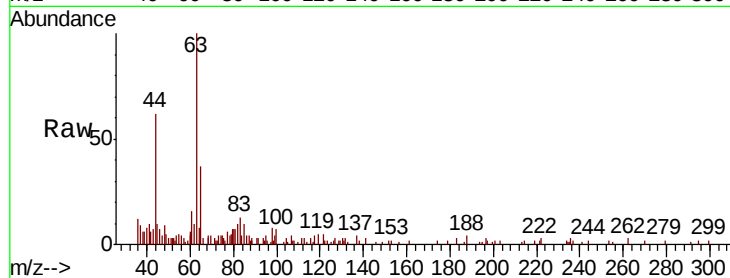
Tot Ion: 63 Resp: 10735

Ion Ratio Lower Upper

63 100

98 7.7 3.8 11.4

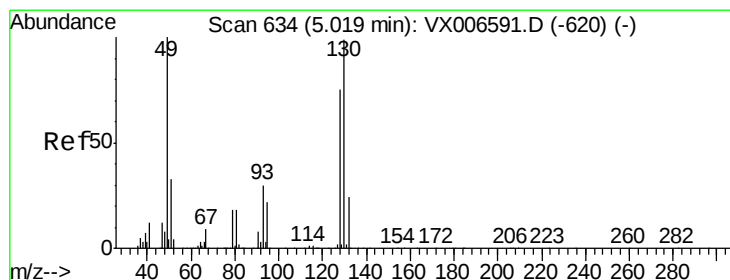
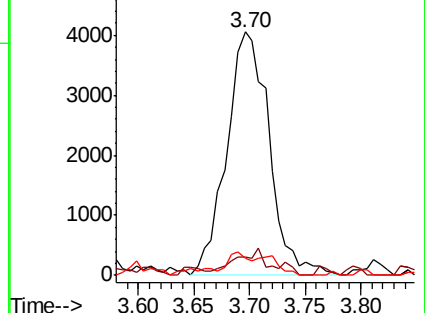
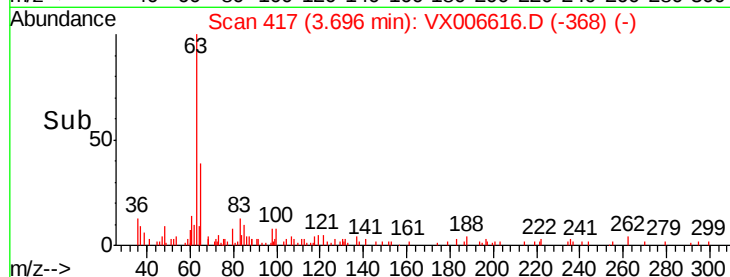
100 7.2 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

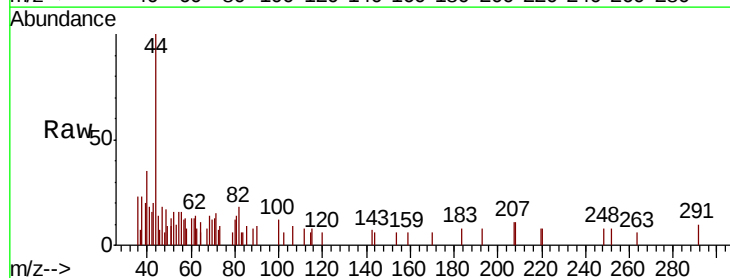
Tgt Ion: 49 Resp: 360

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.0

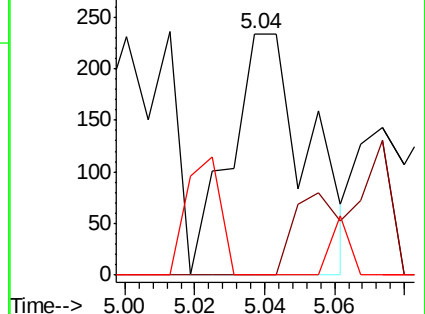
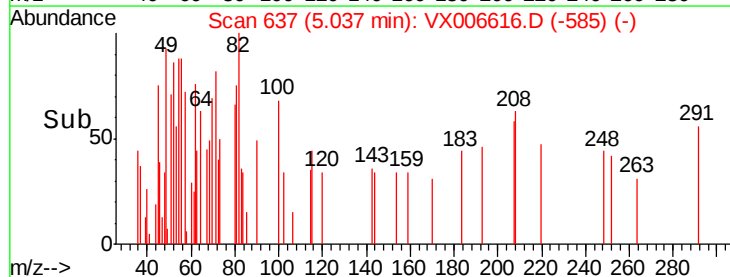
130 21.4 78.3 117.5#

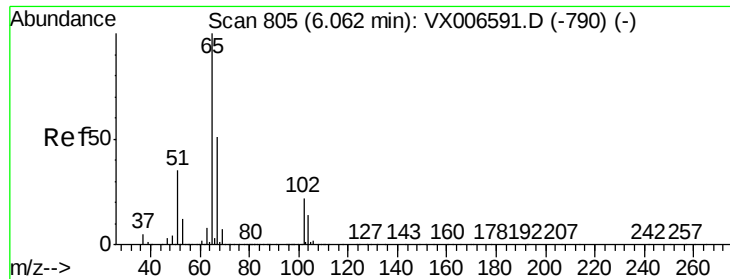


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

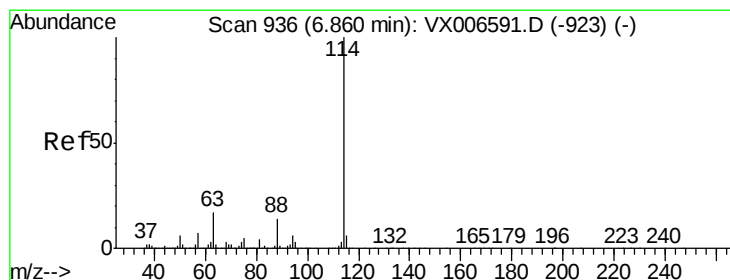
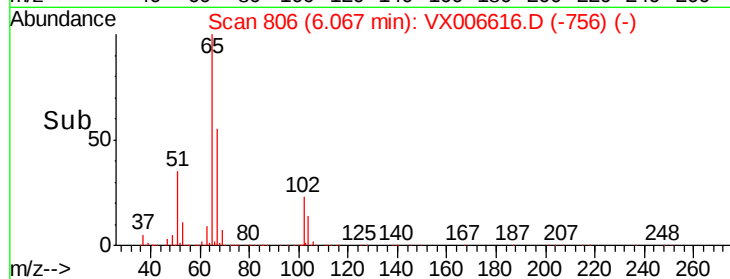
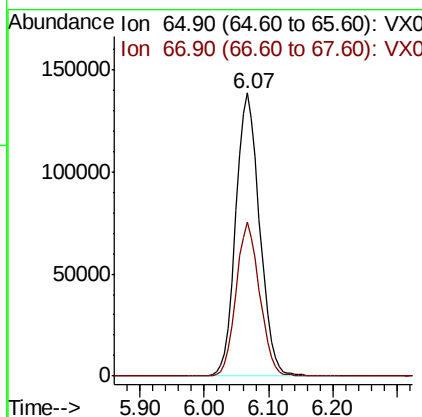
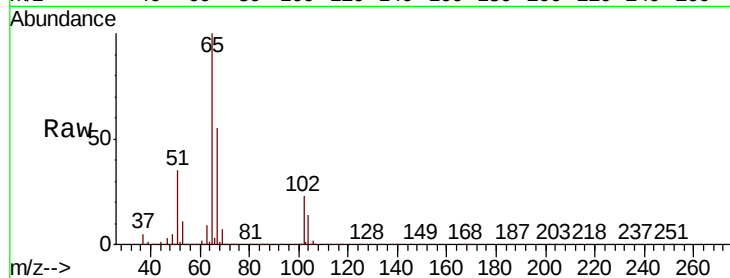




#33
 1,2-Dichloroethane-d4
 Concen: 50.806 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006616.D
 Acq: 19 Dec 2018 00:18

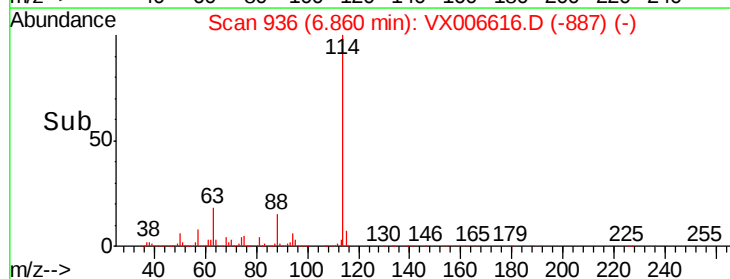
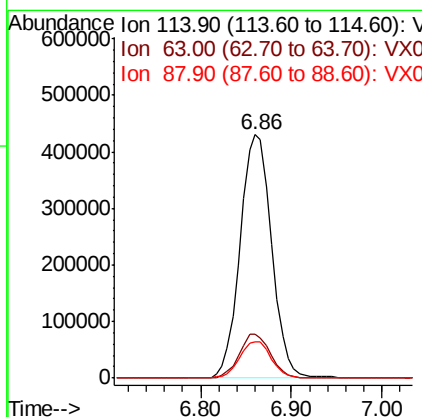
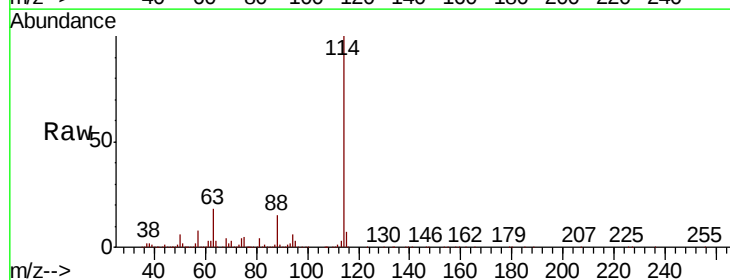
Instrument :
 MSVOA_X
 ClientSampleId :
 SA.MW129I-20181208

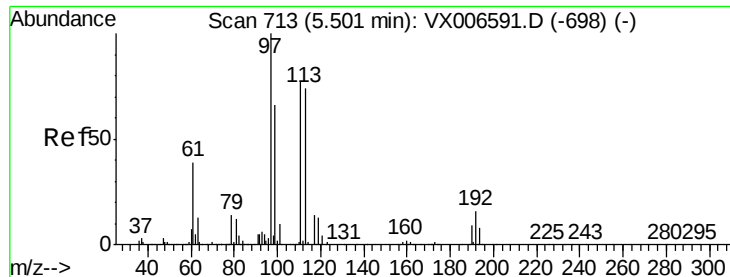
Tot Ion: 65 Resp: 356711
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006616.D
 Acq: 19 Dec 2018 00:18

Tgt Ion: 114 Resp: 1034552
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.6
 88 15.1 0.0 29.0





#35

Dibromofluoromethane

Concen: 47.386 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

SA.MW129I-20181208

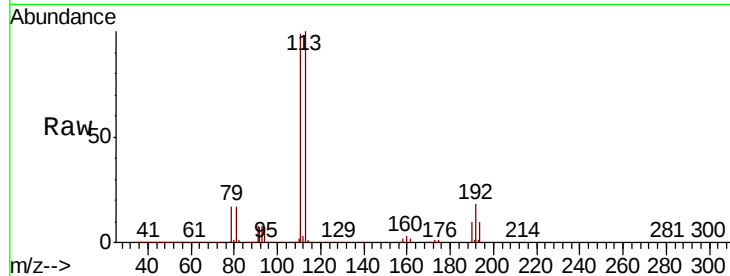
Tot Ion:113 Resp: 310017

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

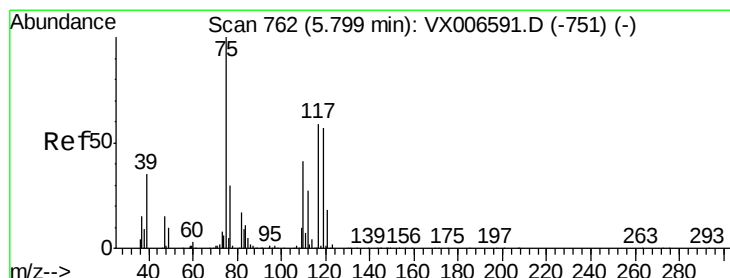
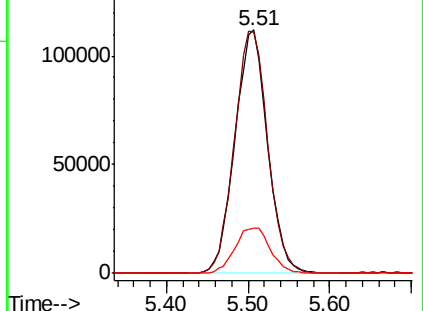
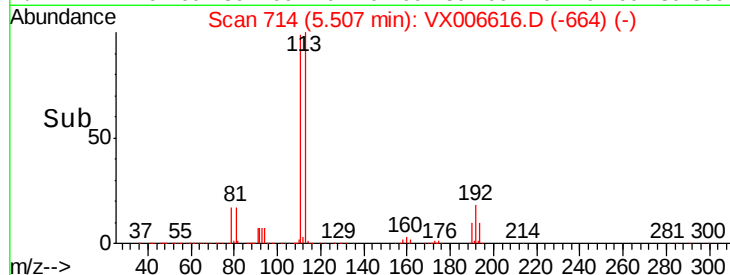
192 20.2 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.928 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

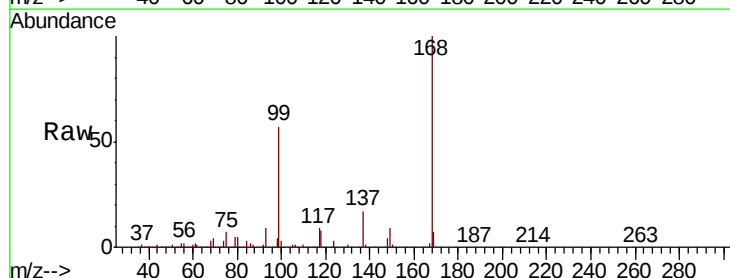
Tgt Ion: 75 Resp: 42225

Ion Ratio Lower Upper

75 100

110 10.3 20.4 61.3#

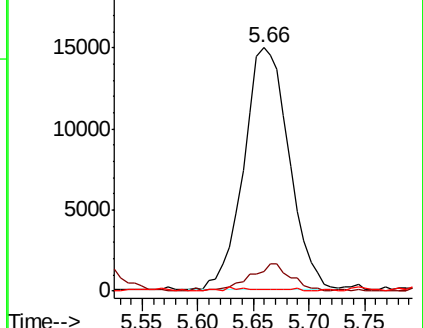
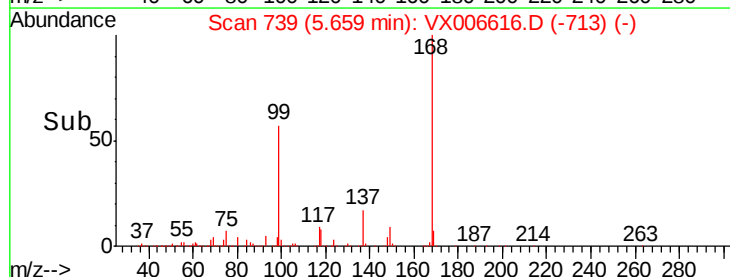
77 0.0 24.9 37.3#

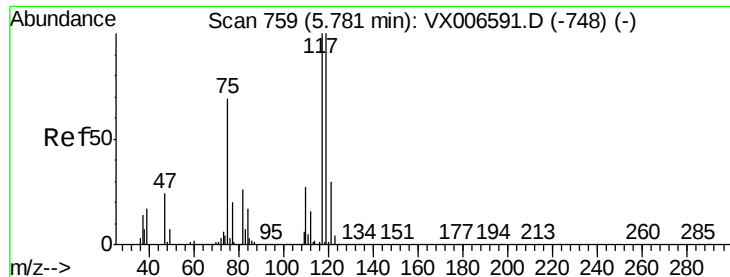


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.351 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

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ClientSampleId :

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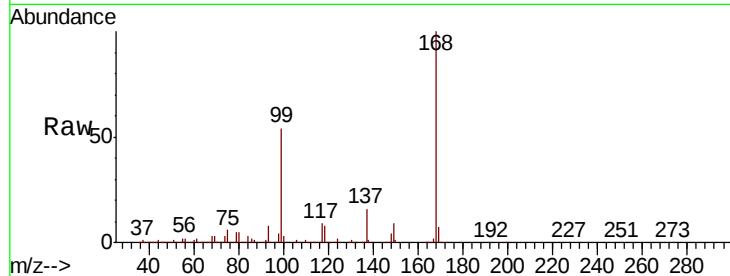
Tot Ion:117 Resp: 61215

Ion Ratio Lower Upper

117 100

119 3.9 75.8 113.8#

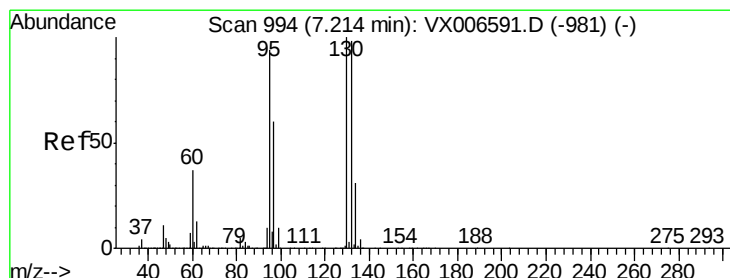
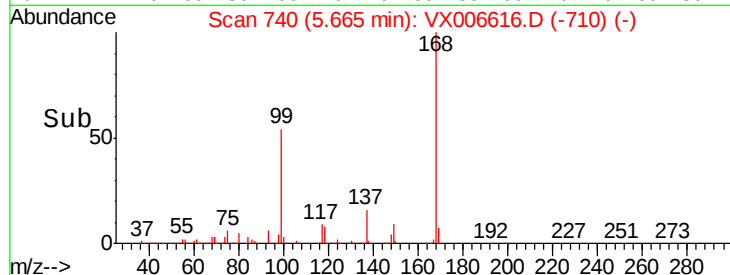
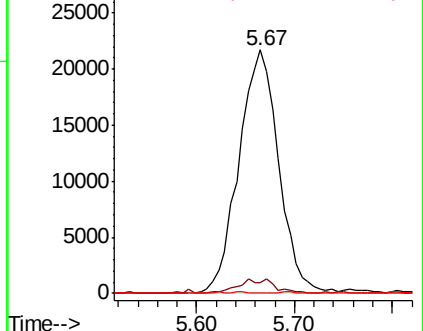
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 0.246 ug/l

RT: 7.20 min Scan# 992

Delta R.T. -0.01 min

Lab File: VX006616.D

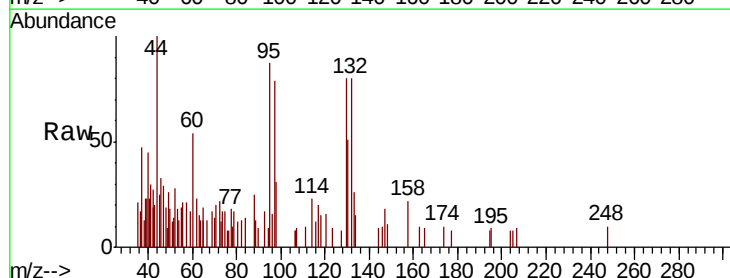
Acq: 19 Dec 2018 00:18

Tgt Ion:130 Resp: 1943

Ion Ratio Lower Upper

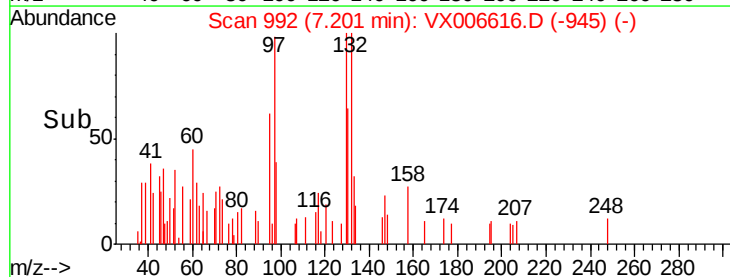
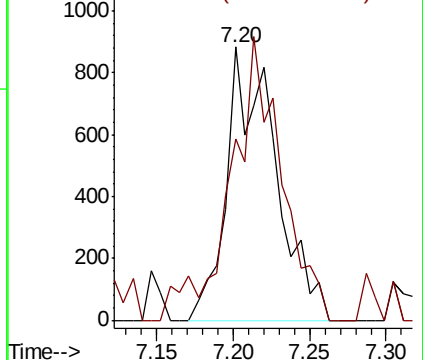
130 100

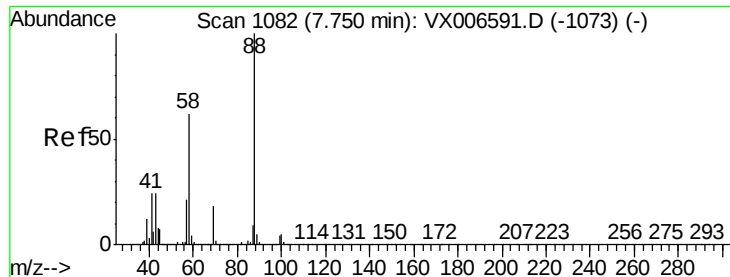
95 66.1 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

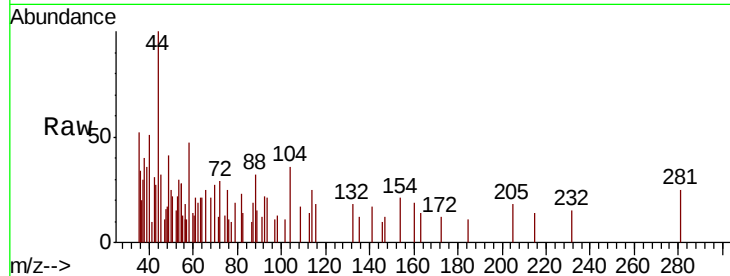




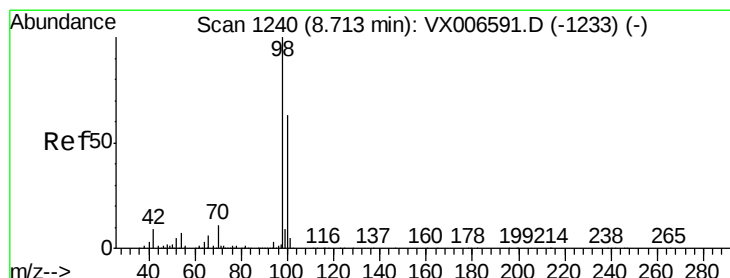
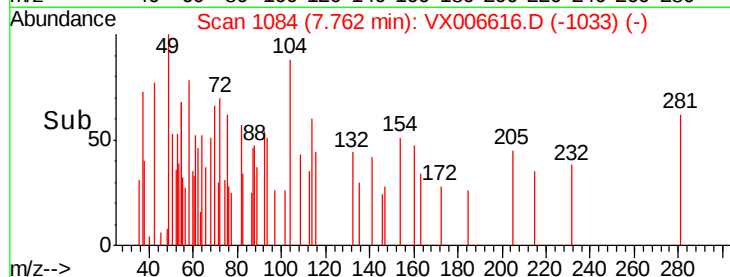
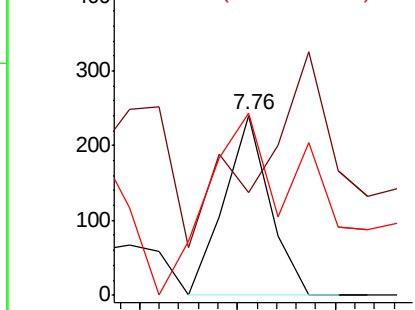
#49
1,4-Dioxane
Concen: Below Cal
RT: 7.76 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

Instrument :
MSVOA_X
ClientSampleId :
SA.MW129I-20181208

Tot Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 228.4 23.2 34.8#
58 232.3 51.4 77.0#

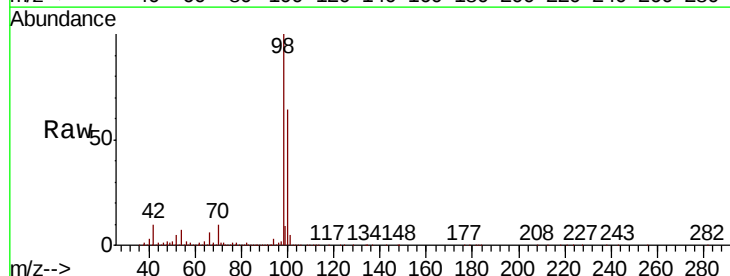


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

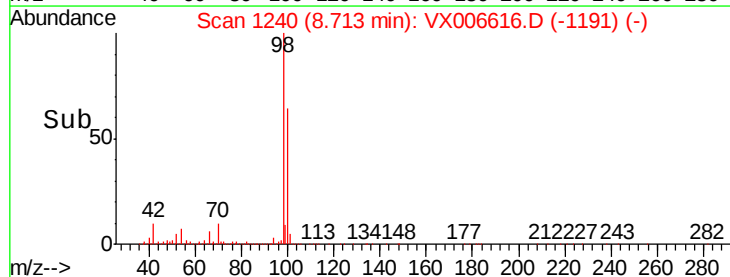
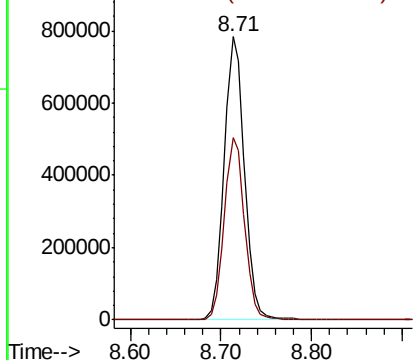


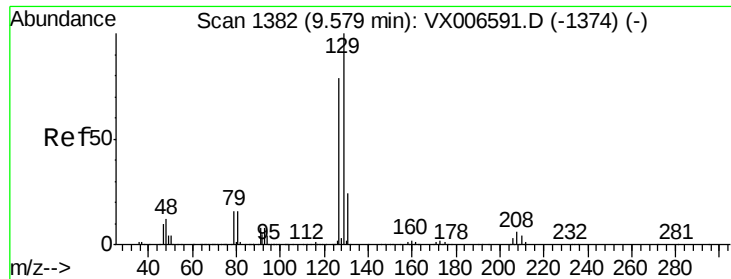
#50
Toluene-d8
Concen: 49.526 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

Tgt Ion: 98 Resp: 1221536
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.338 ug/l

RT: 9.55 min Scan# 1378

Delta R.T. -0.02 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

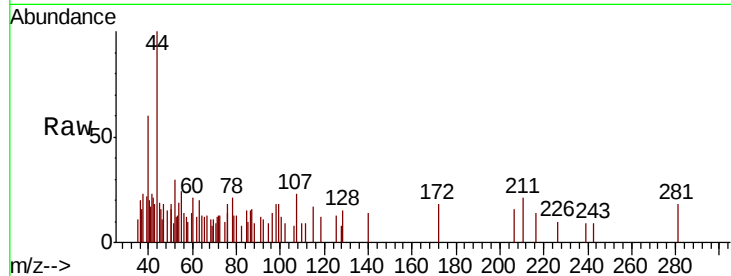
SA.MW129I-20181208

Tot Ion:129 Resp: 107

Ion Ratio Lower Upper

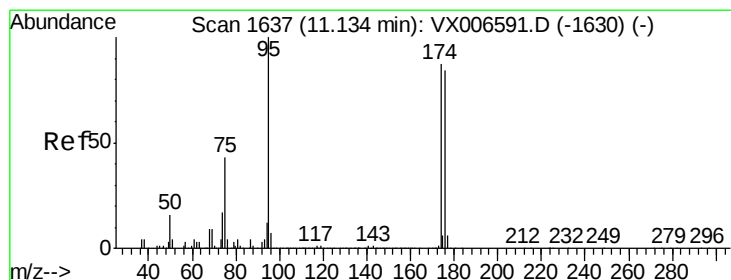
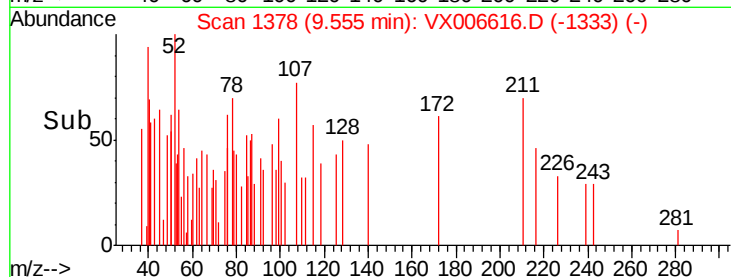
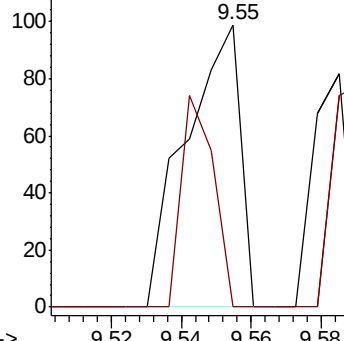
129 100

127 43.9 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 49.330 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.01 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

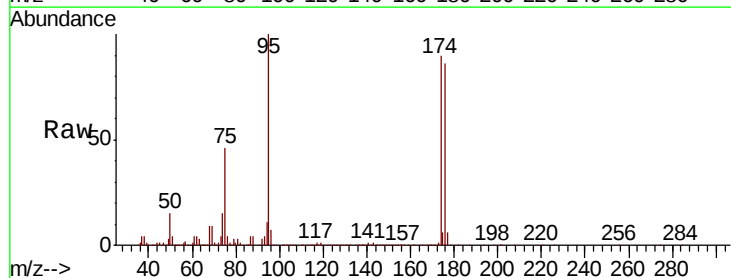
Tgt Ion: 95 Resp: 445608

Ion Ratio Lower Upper

95 100

174 85.9 0.0 187.0

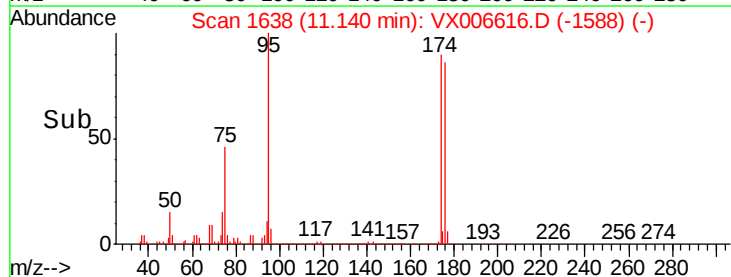
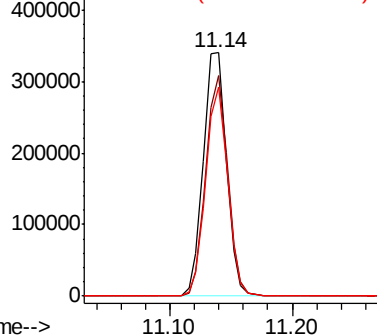
176 81.6 0.0 181.8

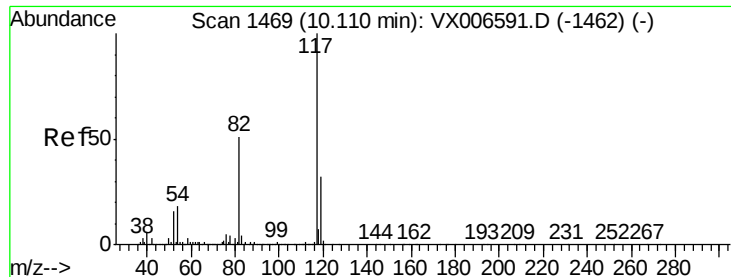


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

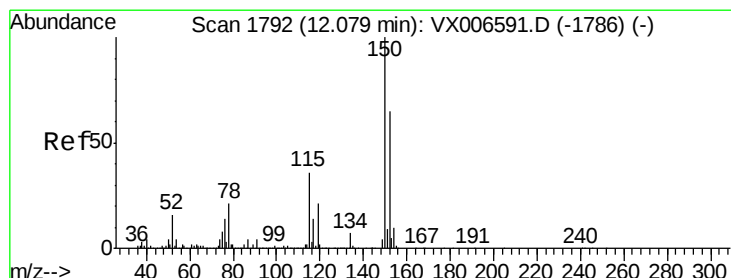
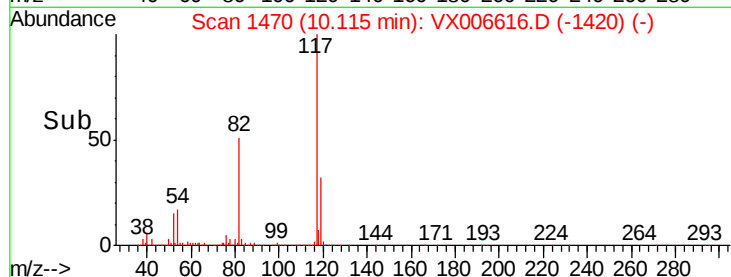
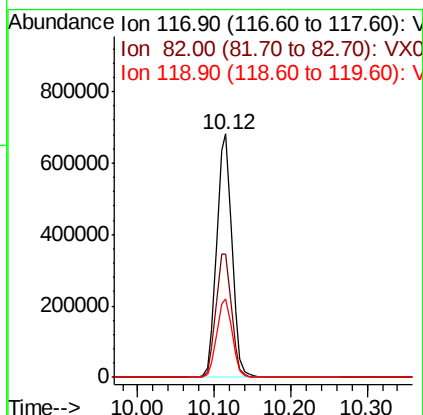
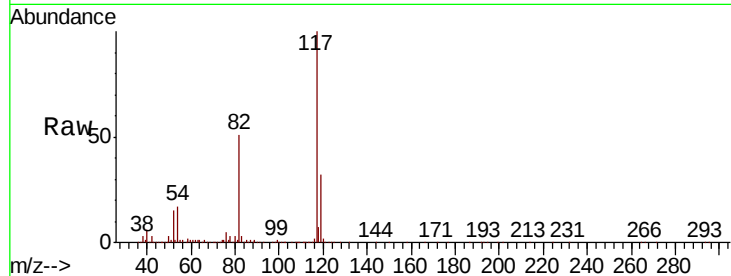




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

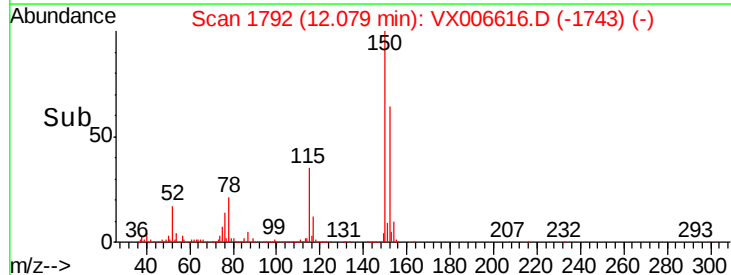
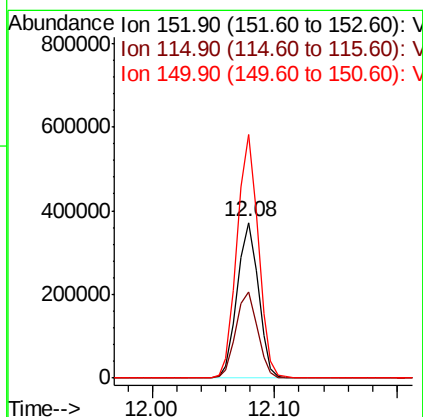
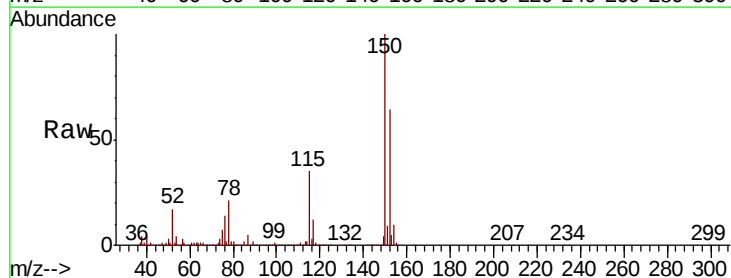
Instrument :
MSVOA_X
ClientSampleId :
SA.MW129I-20181208

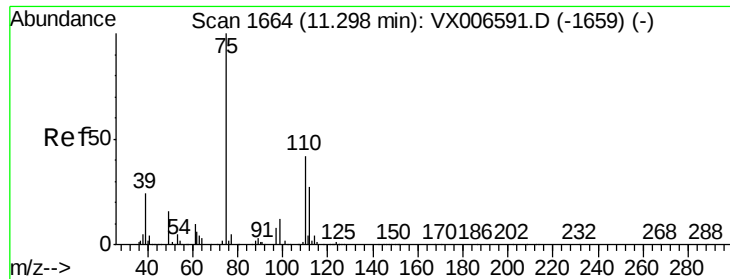
Tot Ion:117 Resp: 943022
Ion Ratio Lower Upper
117 100
82 50.7 39.6 59.4
119 32.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006616.D
Acq: 19 Dec 2018 00:18

Tgt Ion:152 Resp: 444779
Ion Ratio Lower Upper
152 100
115 56.9 39.0 116.9
150 156.7 0.0 345.8

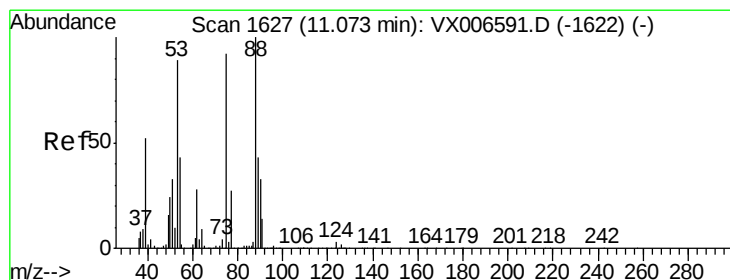
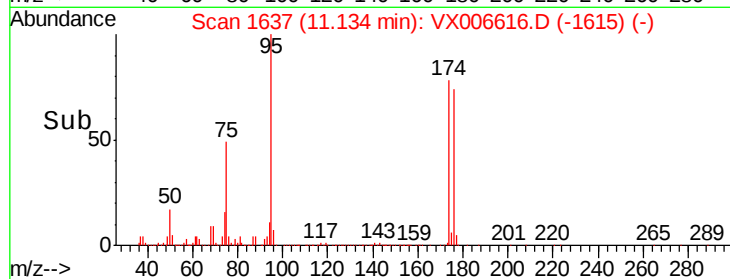
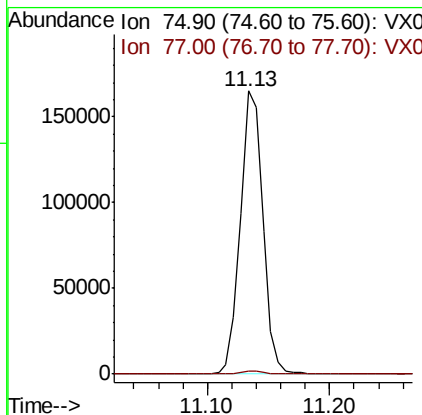
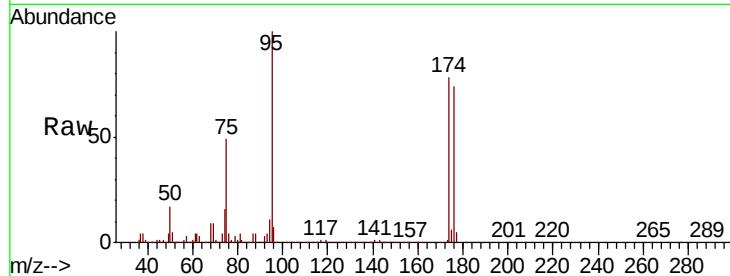




#76
 1,2,3-Trichloropropane
 Concen: 26.824 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006616.D
 Acq: 19 Dec 2018 00:18

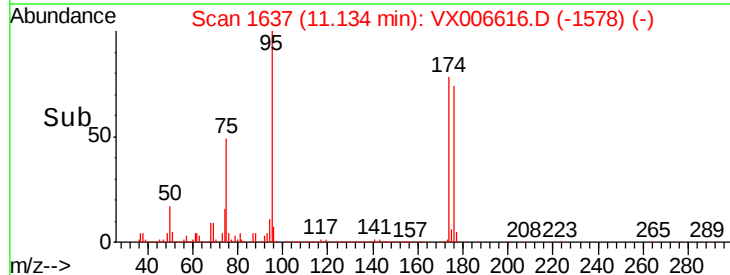
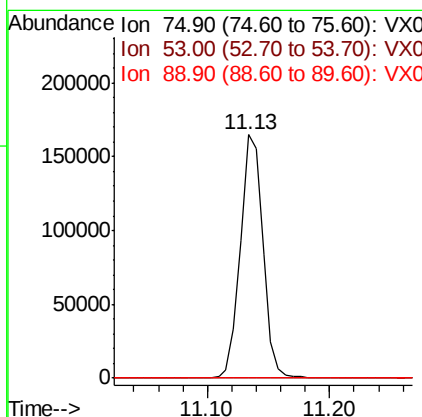
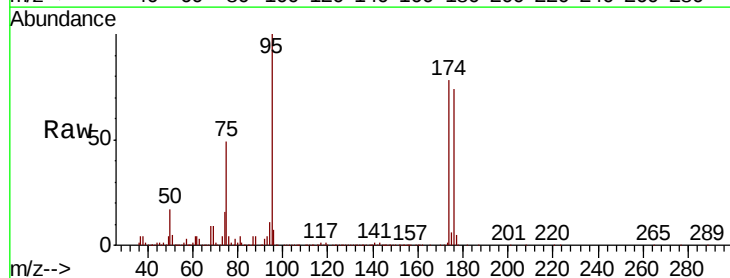
Instrument :
 MSVOA_X
 ClientSampleId :
 SA.MW129I-20181208

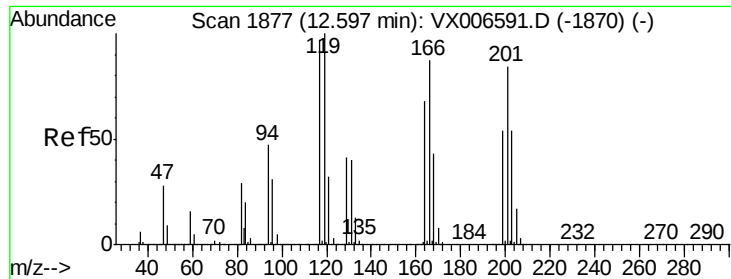
Tot Ion: 75 Resp: 209103
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.702 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006616.D
 Acq: 19 Dec 2018 00:18

Tgt Ion: 75 Resp: 209103
 Ion Ratio Lower Upper
 75 100
 53 0.2 64.4 96.6#
 89 0.0 44.2 66.4#





#90

Hexachloroethane

Concen: 3.306 ug/l

RT: 12.48 min Scan# 1858

Delta R.T. -0.12 min

Lab File: VX006616.D

Acq: 19 Dec 2018 00:18

Instrument :

MSVOA_X

ClientSampleId :

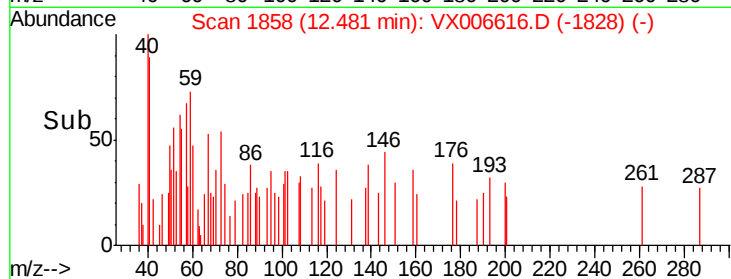
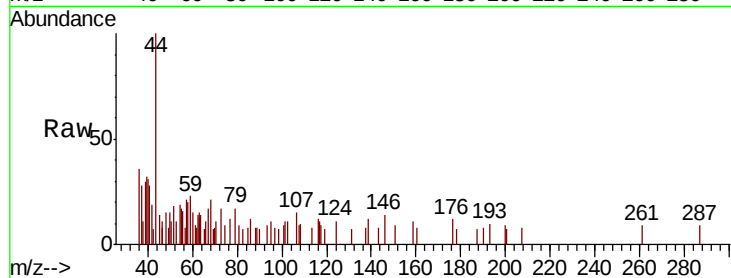
SA.MW129I-20181208

Tot Ion:117 Resp: 60

Ion Ratio Lower Upper

117 100

201 85.0 44.7 134.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

