

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002736.D
 Acq On : 20 Jun 2018 12:48
 Operator : JC/MD
 Sample : J3510-01 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:56:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	210939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	292897	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	268636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	155459	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	154732	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.51	113	122119	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	8.72	98	458150	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	11.14	95	159432	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	628	0.24	ug/l #	59
4) Vinyl Chloride	1.41	62	719	0.26	ug/l #	1
5) Bromomethane	1.64	94	1135	0.68	ug/l	86
10) Methyl Iodide	2.52	142	2816	5.93	ug/l #	97
11) Tert butyl alcohol	3.03	59	3470	5.24	ug/l #	78
13) Acrolein	2.30	56	209	7.52	ug/l #	73
15) Acrylonitrile	3.15	53	1048	0.72	ug/l	91
16) Acetone	2.45	43	1001	0.71	ug/l	96
17) Carbon Disulfide	2.57	76	2432	0.44	ug/l #	94
18) Methyl Acetate	2.79	43	850	0.23	ug/l #	73
20) Methylene Chloride	2.86	84	624	0.22	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	1335	0.52	ug/l	93
25) 2-Butanone	4.73	43	579	0.31	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	555	0.21	ug/l #	1
29) Tetrahydrofuran	5.17	42	1310	1.08	ug/l #	80
31) Cyclohexane	5.57	56	2136	0.56	ug/l #	75
36) 1,1-Dichloropropene	5.67	75	14338	4.61	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19347	6.25	ug/l #	16
39) Methylcyclohexane	7.46	83	1134	0.31	ug/l #	76
40) Benzene	6.15	78	59755	6.41	ug/l	100
53) t-1,3-Dichloropropene	8.45	75	214	2.45	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	235	3.27	ug/l #	81
60) Dibromochloromethane	9.34	129	260	3.85	ug/l #	11
65) Chlorobenzene	10.14	112	522309	79.17	ug/l	98
67) Ethyl Benzene	10.26	91	35557	3.20	ug/l	98
68) m/p-Xylenes	10.37	106	2747	0.64	ug/l	95
69) o-Xylene	10.70	106	1532	0.36	ug/l	94
71) Bromoform	10.86	173	61	4.87	ug/l #	28
73) Isopropylbenzene	11.02	105	4864	0.47	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	85338	29.09	ug/l #	33
78) n-propylbenzene	11.37	91	5362	0.45	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	2572	0.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.14	75	85338	89.48	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	15370	1.71	ug/l	100

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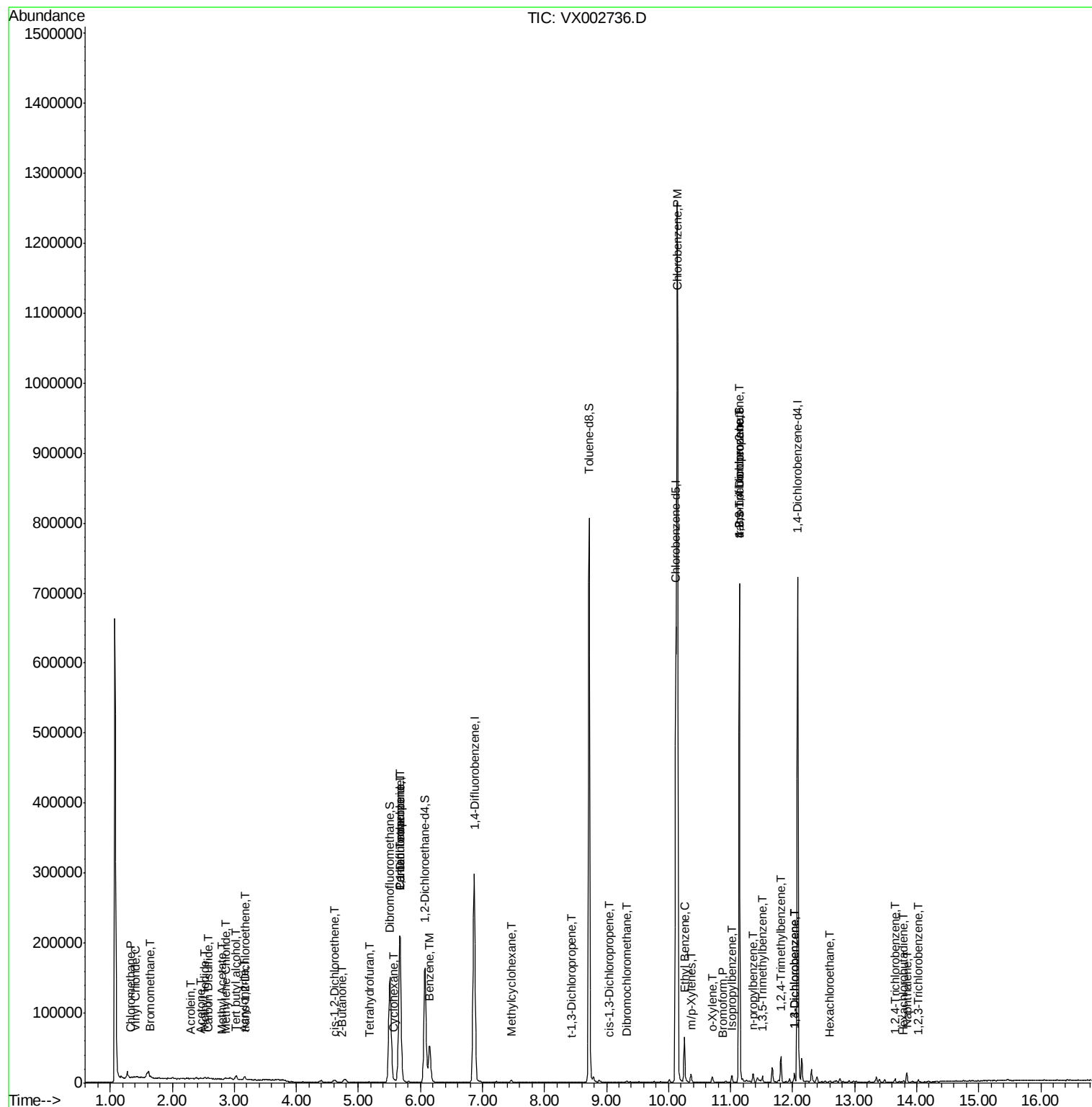
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.03	146	2748	0.52	ug/l	90
88) 1,4-Dichlorobenzene	12.03	146	2748	0.51	ug/l	90
90) Hexachloroethane	12.60	117	261	2.79	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	950	0.24	ug/l #	83
94) Hexachlorobutadiene	13.79	225	437	0.21	ug/l	87
95) Naphthalene	13.84	128	7621	0.73	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	998	0.26	ug/l	94

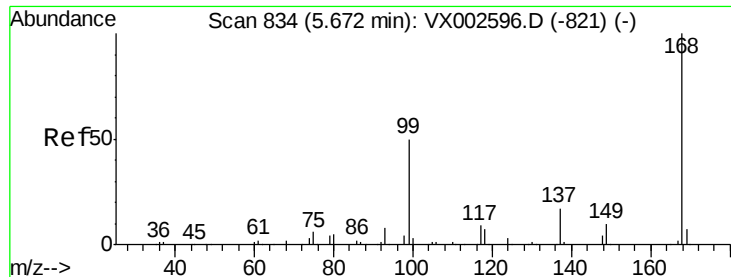
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002736.D

Acq: 20 Jun 2018 12:48

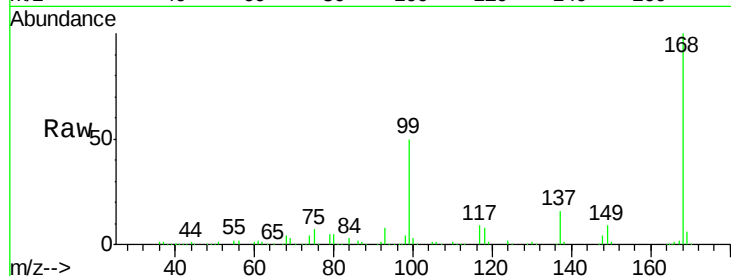
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 210939

Ion Ratio Lower Upper

168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

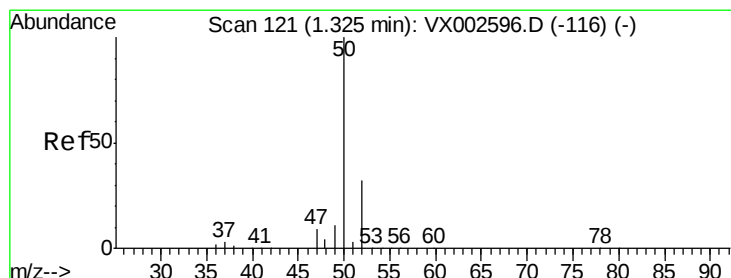
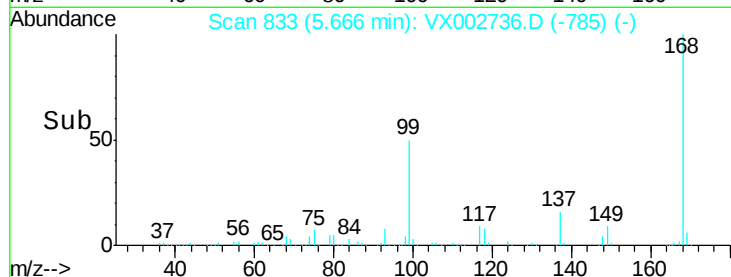
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.24 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002736.D

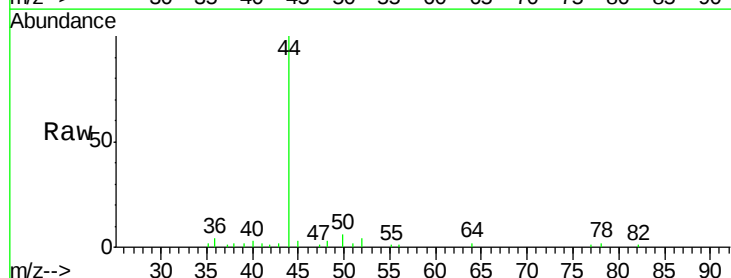
Acq: 20 Jun 2018 12:48

Tgt Ion: 50 Resp: 628

Ion Ratio Lower Upper

50 100

52 55.0 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

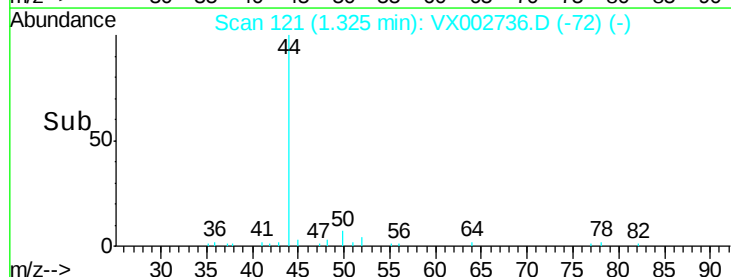
300

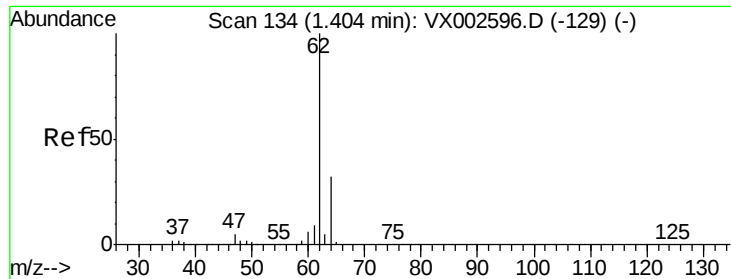
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.26 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

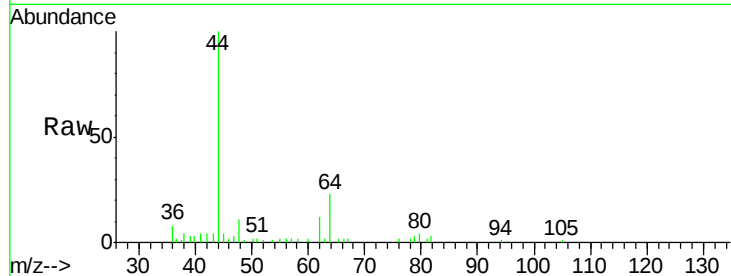
ClientSampled :

Tot Ion: 62 Resp: 719

Ion Ratio Lower Upper

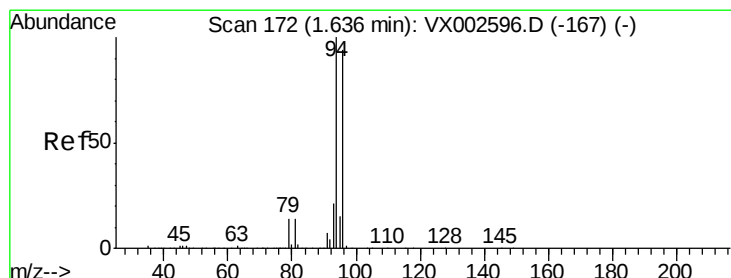
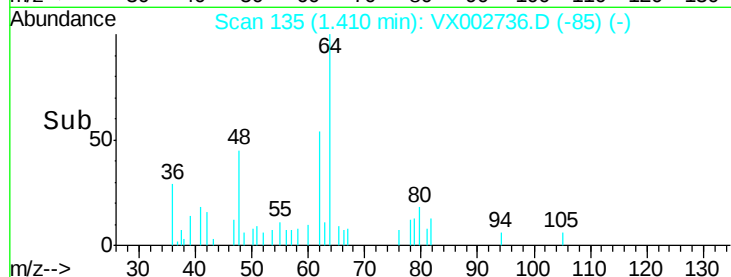
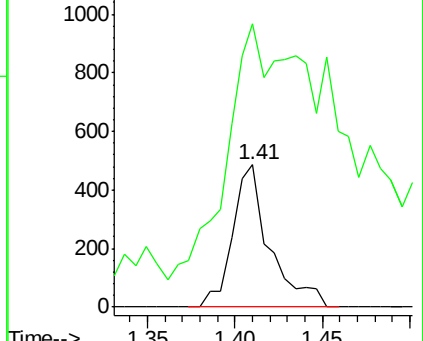
62 100

64 166.2 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.68 ug/l

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX002736.D

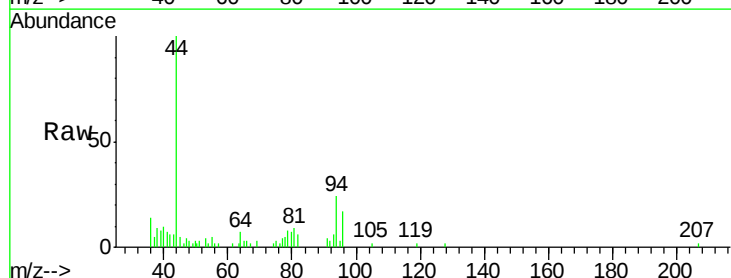
Acq: 20 Jun 2018 12:48

Tgt Ion: 94 Resp: 1135

Ion Ratio Lower Upper

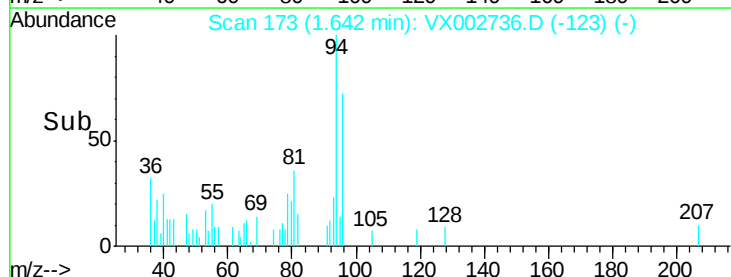
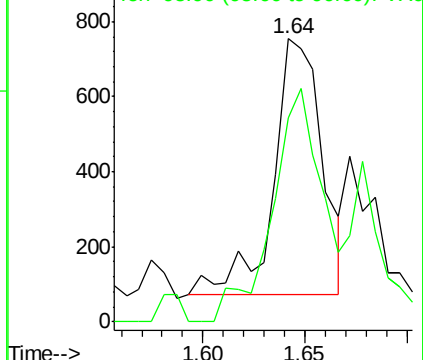
94 100

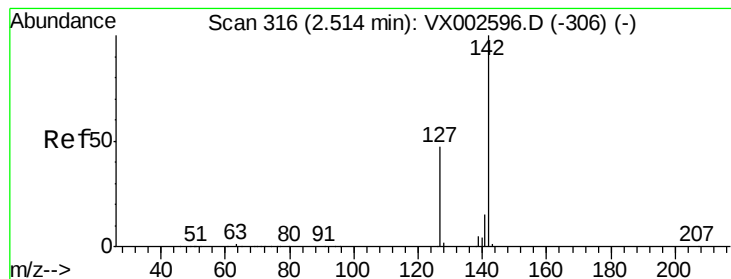
96 79.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 5.93 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

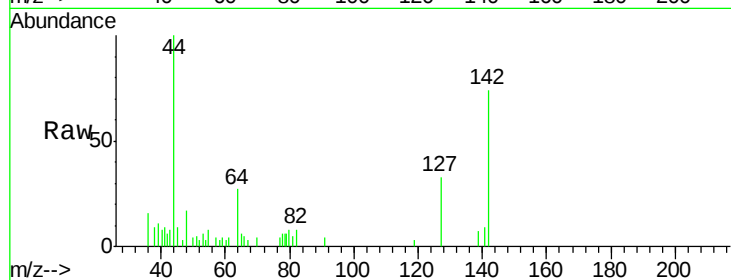
Tot Ion:142 Resp: 2816

Ion Ratio Lower Upper

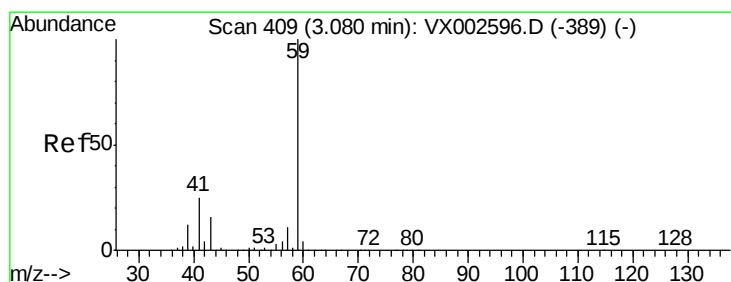
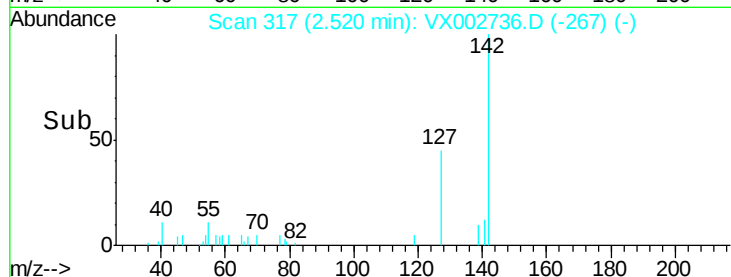
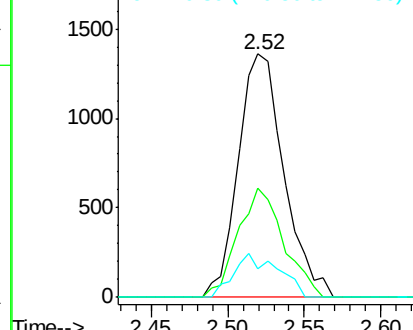
142 100

127 44.9 36.6 55.0

141 17.5 11.3 16.9#



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



#11

Tert butyl alcohol

Concen: 5.24 ug/l

RT: 3.03 min Scan# 401

Delta R.T. -0.05 min

Lab File: VX002736.D

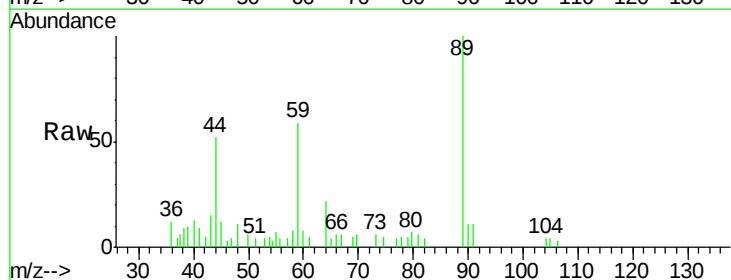
Acq: 20 Jun 2018 12:48

Tgt Ion: 59 Resp: 3470

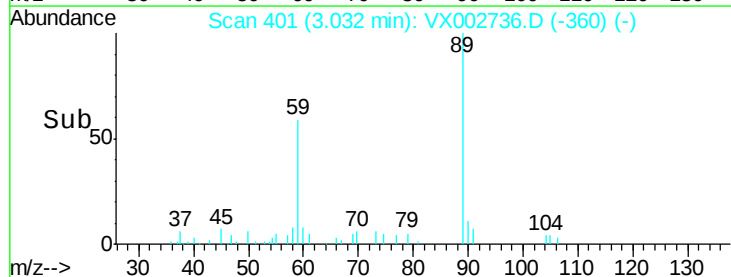
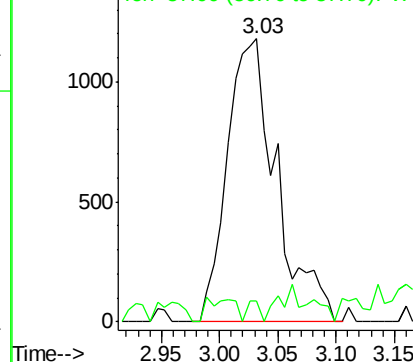
Ion Ratio Lower Upper

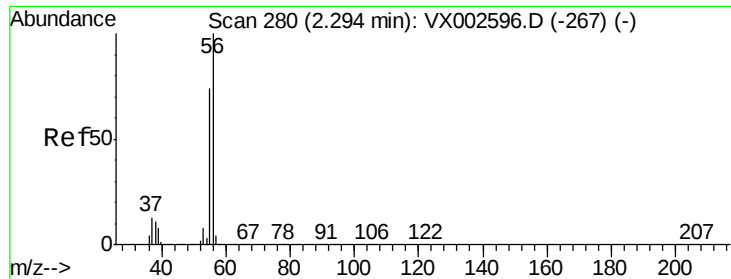
59 100

57 1.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.52 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

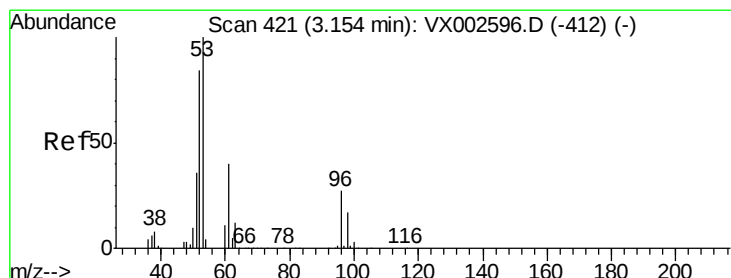
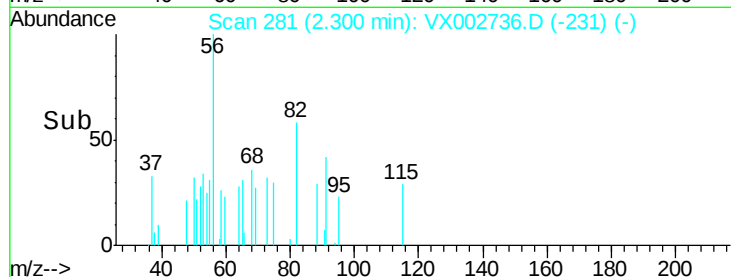
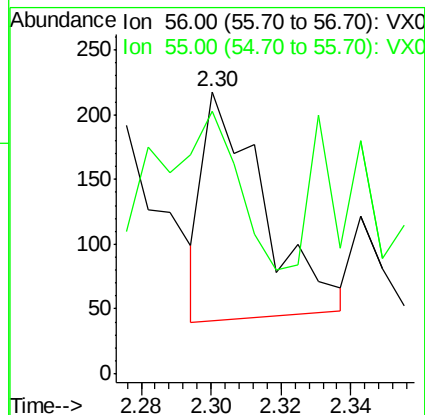
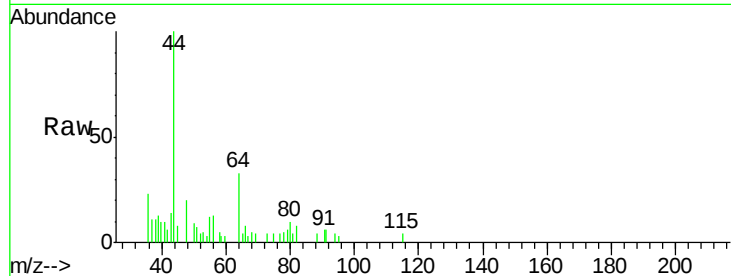
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 209

Ion Ratio Lower Upper

56 100

55 93.3 57.0 85.4#



#15

Acrylonitrile

Concen: 0.72 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

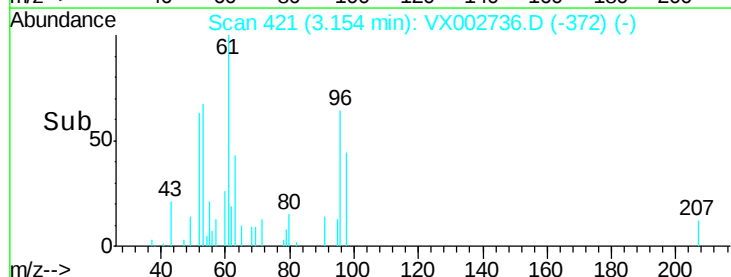
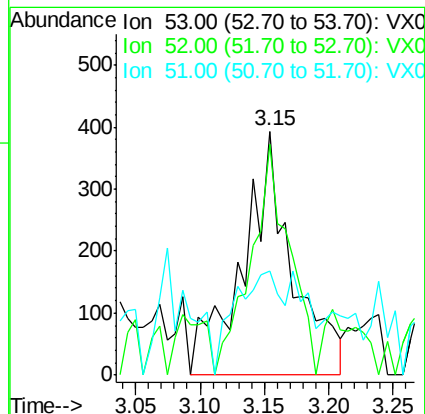
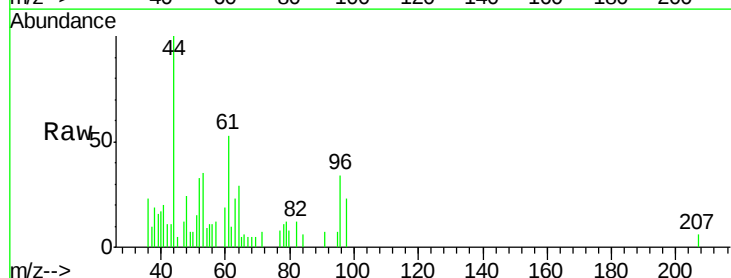
Tgt Ion: 53 Resp: 1048

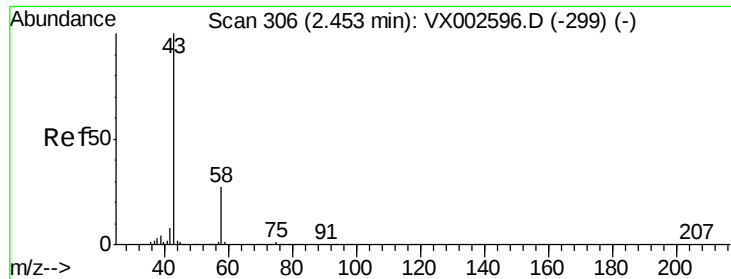
Ion Ratio Lower Upper

53 100

52 73.1 66.7 100.1

51 40.4 29.9 44.9





#16

Acetone

Concen: 0.71 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

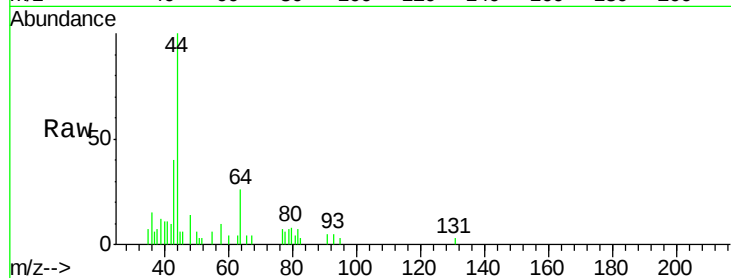
ClientSampled :

Tot Ion: 43 Resp: 1001

Ion Ratio Lower Upper

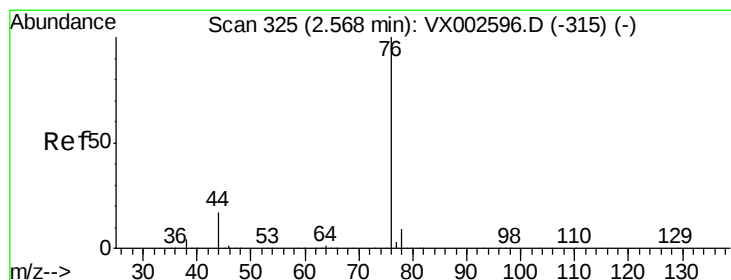
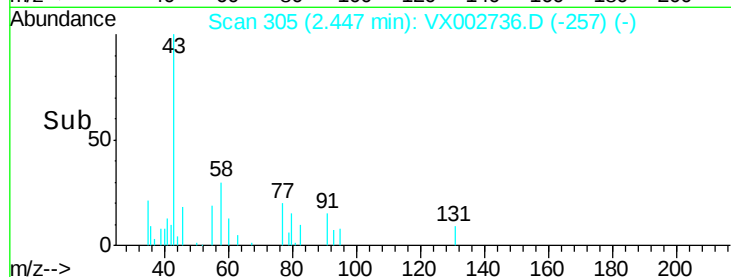
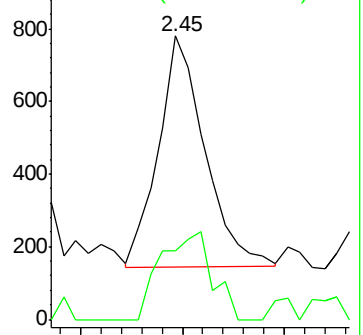
43 100

58 29.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.44 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002736.D

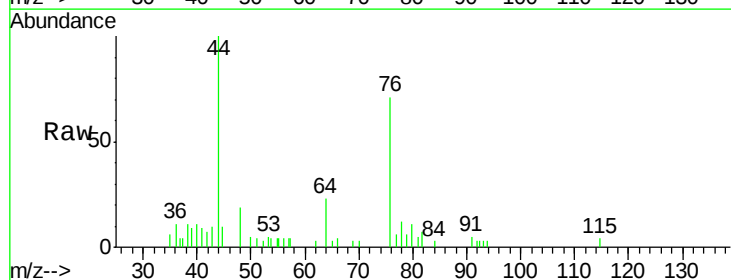
Acq: 20 Jun 2018 12:48

Tgt Ion: 76 Resp: 2432

Ion Ratio Lower Upper

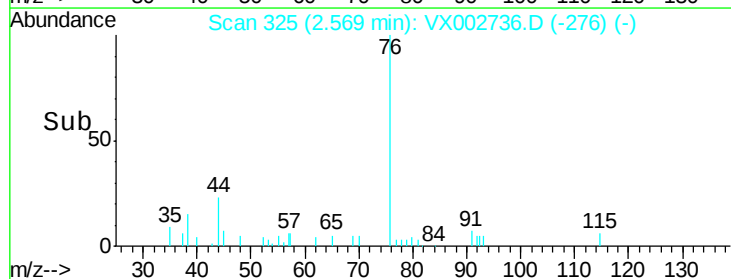
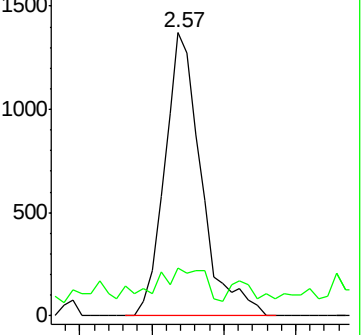
76 100

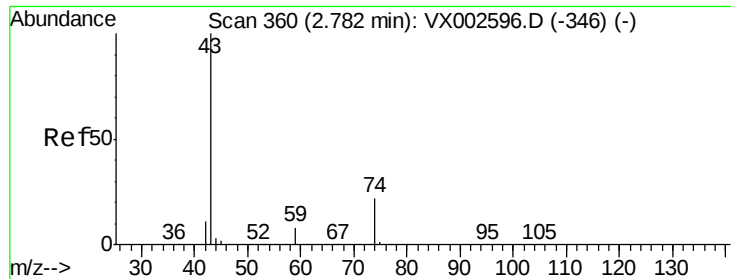
78 10.7 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

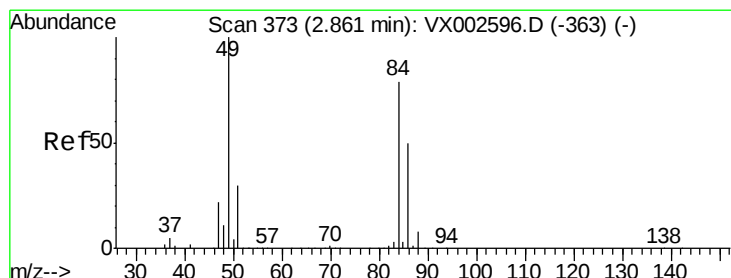
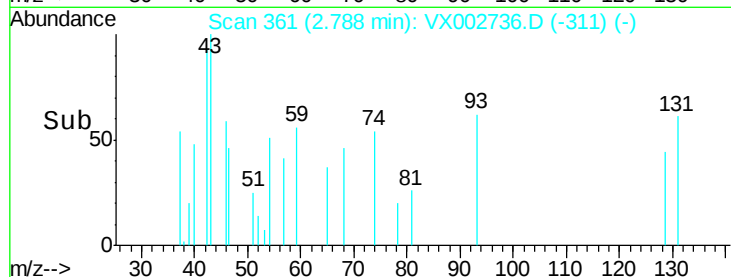
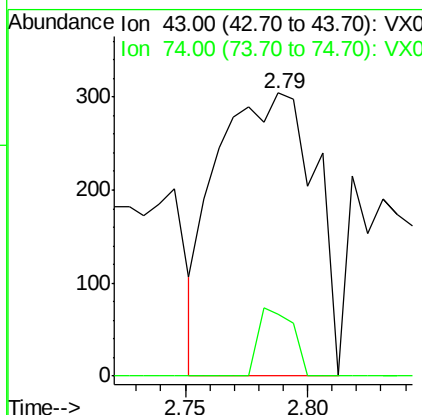
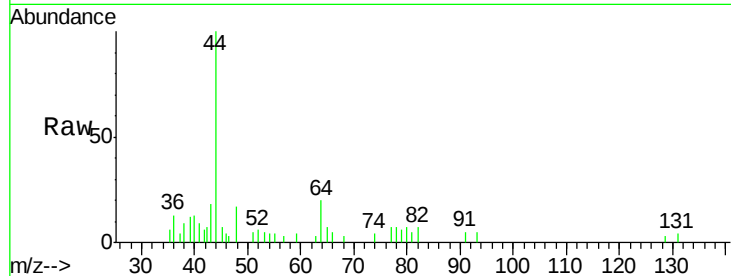




#18
Methyl Acetate
Concen: 0.23 ug/l
RT: 2.79 min Scan# 361
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

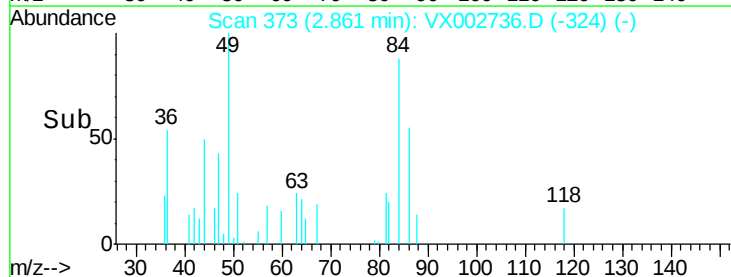
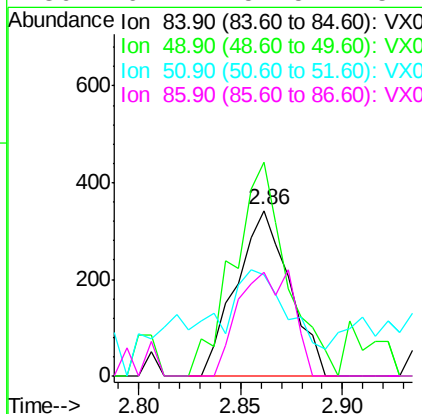
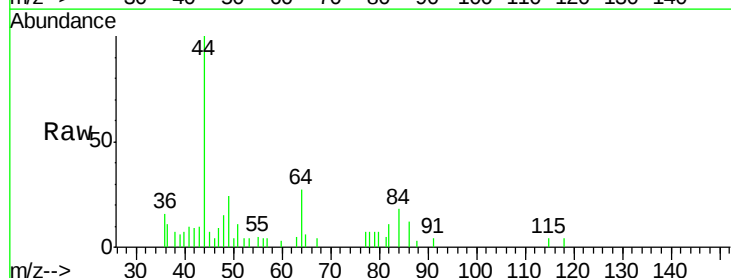
Instrument :
MSVOA_X
ClientSampled :

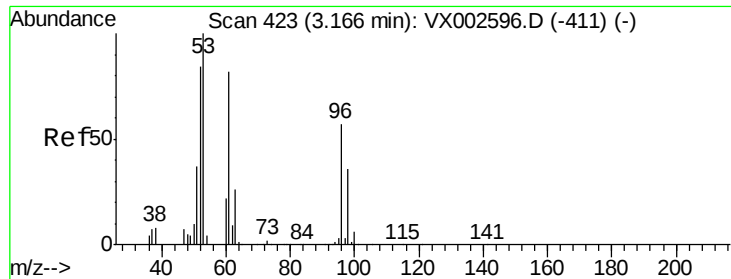
Tot Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 8.5 16.7 25.1#



#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion: 84 Resp: 624
Ion Ratio Lower Upper
84 100
49 128.9 107.8 161.6
51 34.7 32.8 49.2
86 62.7 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 0.52 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :
MSVOA_X
ClientSampled :

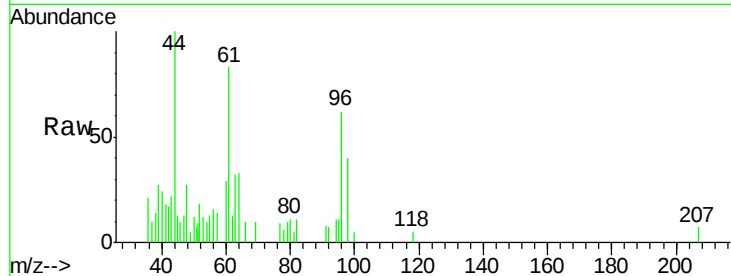
Tot Ion: 96 Resp: 1335

Ion Ratio Lower Upper

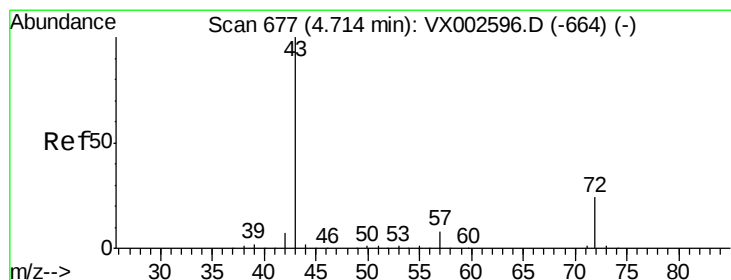
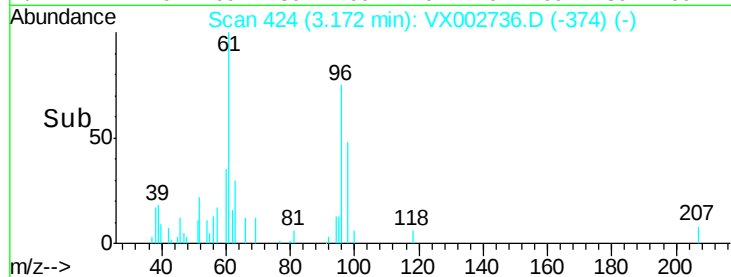
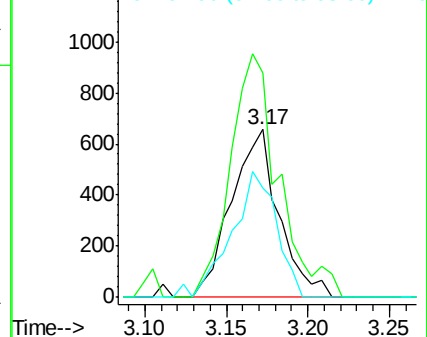
96 100

61 134.0 117.0 175.4

98 64.8 52.4 78.6



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



#25

2-Butanone

Concen: 0.31 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX002736.D

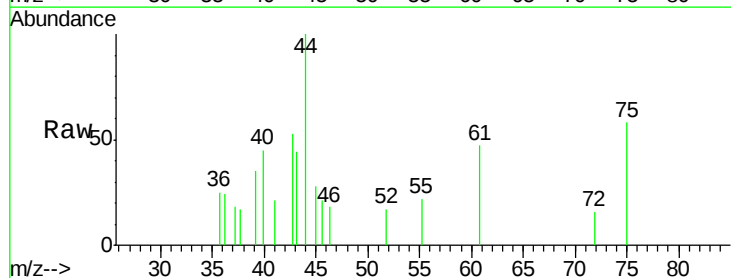
Acq: 20 Jun 2018 12:48

Tgt Ion: 43 Resp: 579

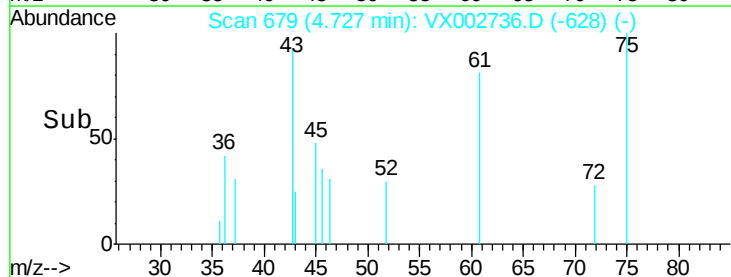
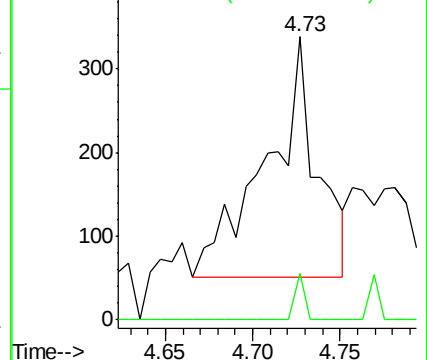
Ion Ratio Lower Upper

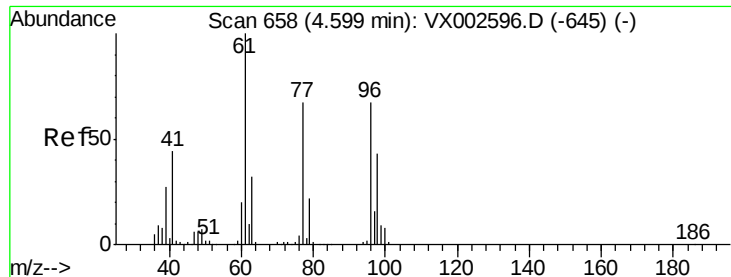
43 100

72 19.5 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#27

cis-1,2-Dichloroethene

Concen: 0.21 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

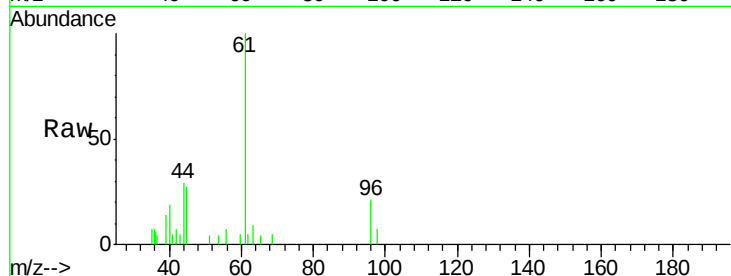
Tot Ion: 96 Resp: 555

Ion Ratio Lower Upper

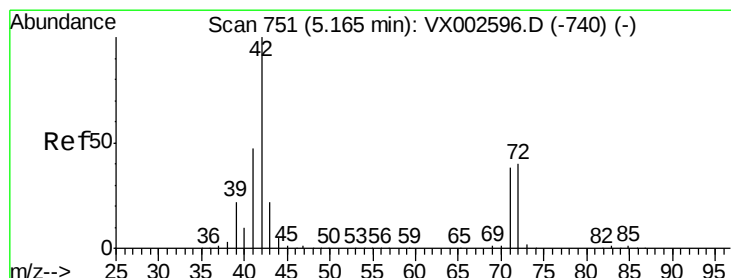
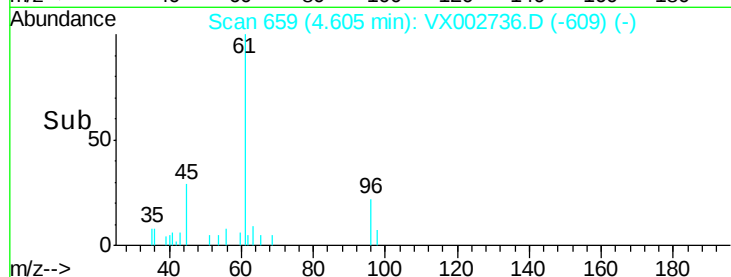
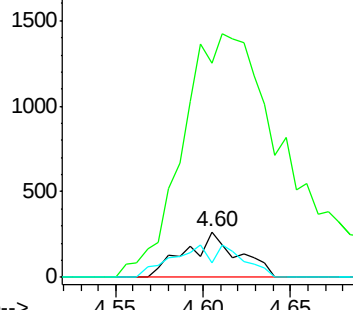
96 100

61 1088.6 0.0 330.2#

98 51.0 0.0 130.2



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: 1.08 ug/l

RT: 5.17 min Scan# 752

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

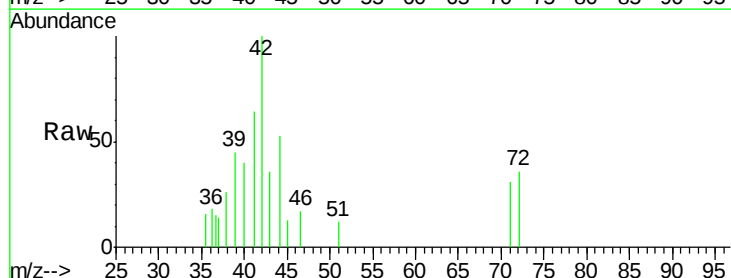
Tgt Ion: 42 Resp: 1310

Ion Ratio Lower Upper

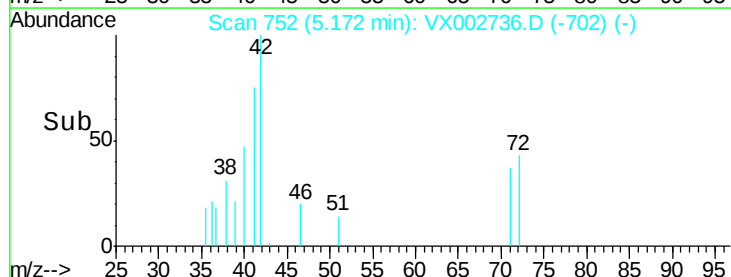
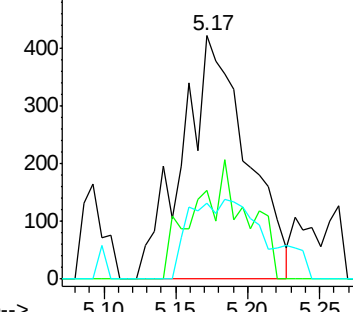
42 100

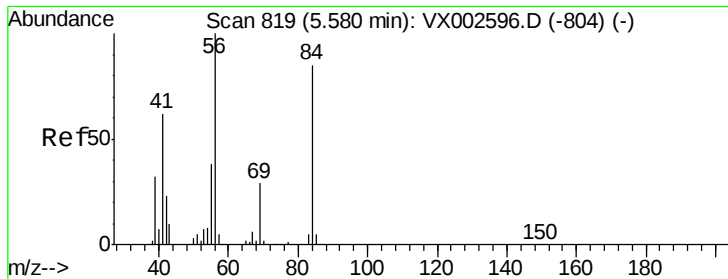
72 18.9 32.0 48.0#

71 35.2 30.1 45.1



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





#31

Cyclohexane

Concen: 0.56 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

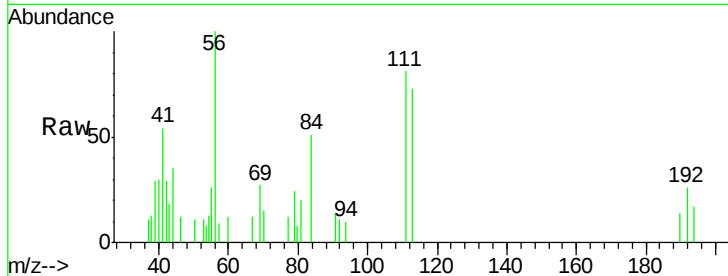
Tot Ion: 56 Resp: 2136

Ion Ratio Lower Upper

56 100

69 26.7 23.7 35.5

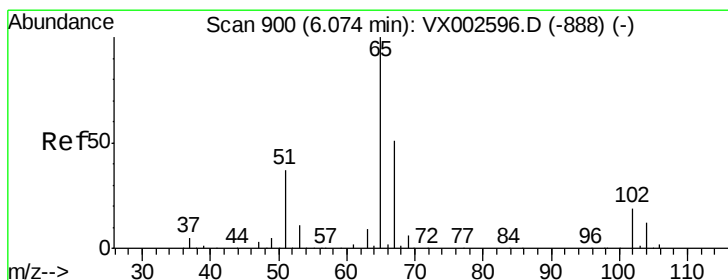
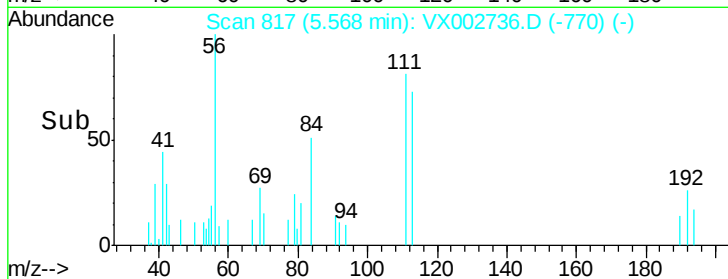
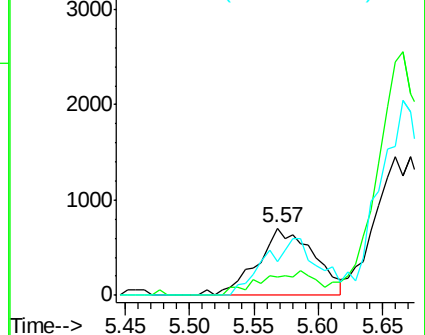
84 51.2 64.1 96.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 48.27 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002736.D

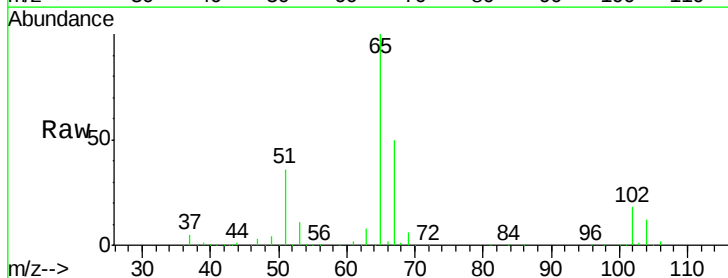
Acq: 20 Jun 2018 12:48

Tgt Ion: 65 Resp: 154732

Ion Ratio Lower Upper

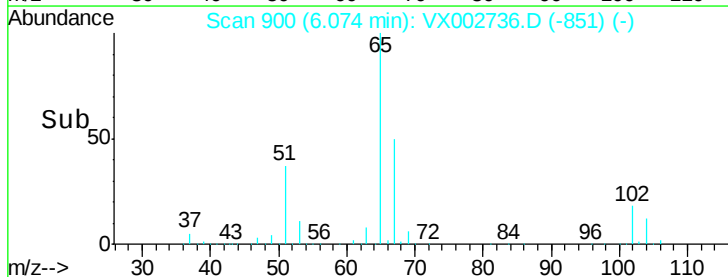
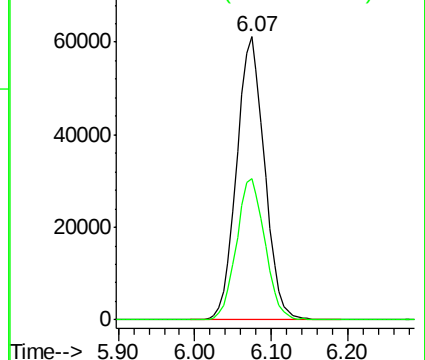
65 100

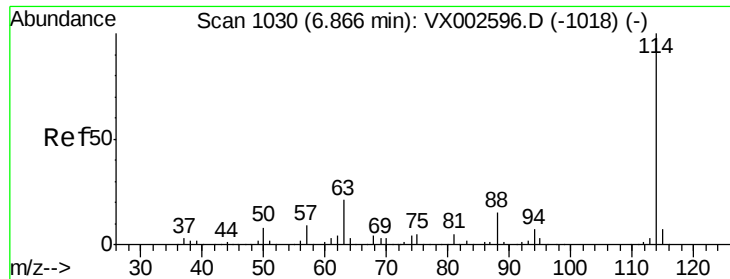
67 51.0 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

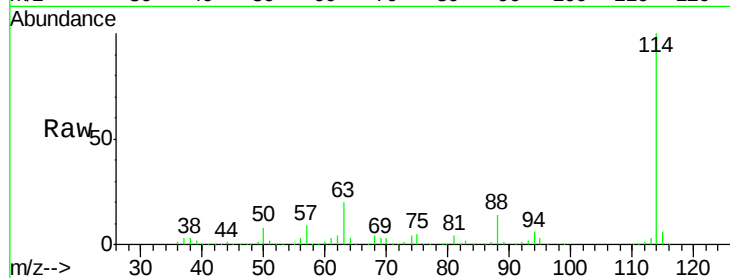




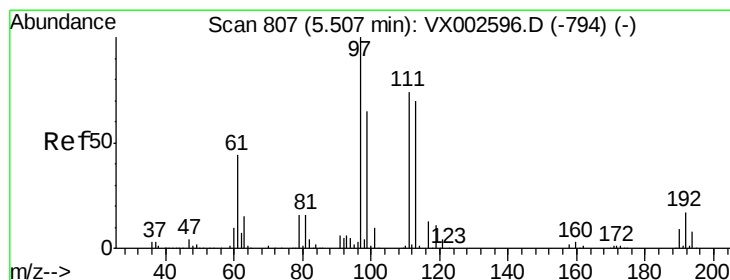
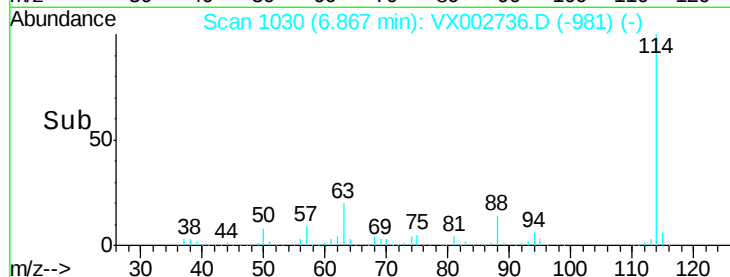
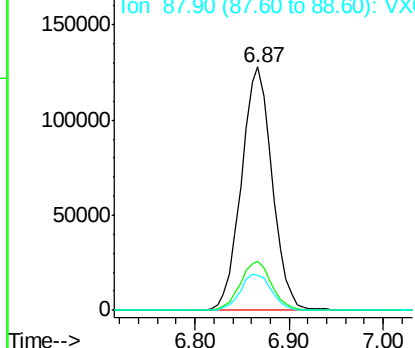
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.4
88	14.5	0.0	30.0

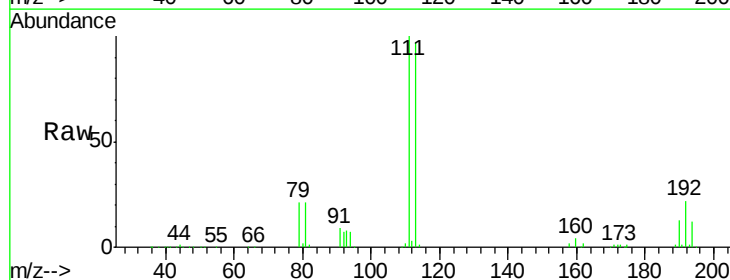


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

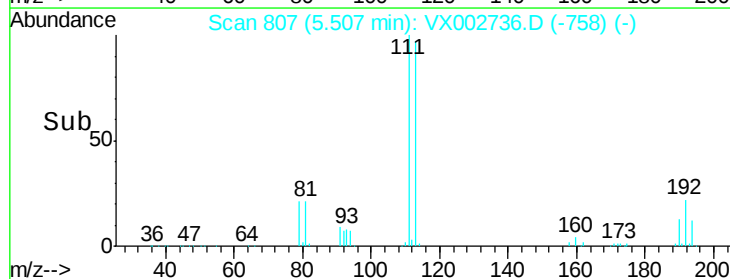
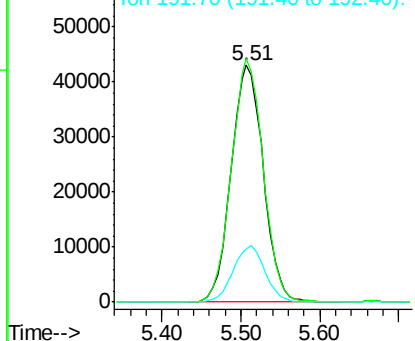


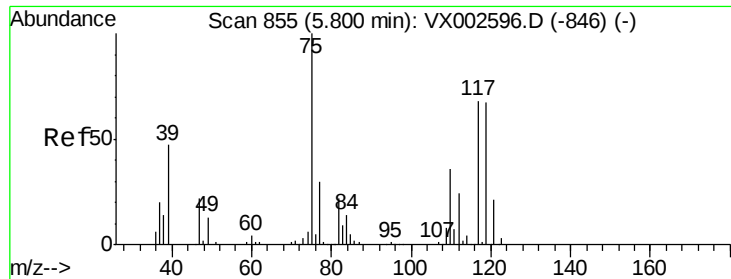
#35
 Dibromofluoromethane
 Concen: 52.24 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 12:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	23.5	19.1	28.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

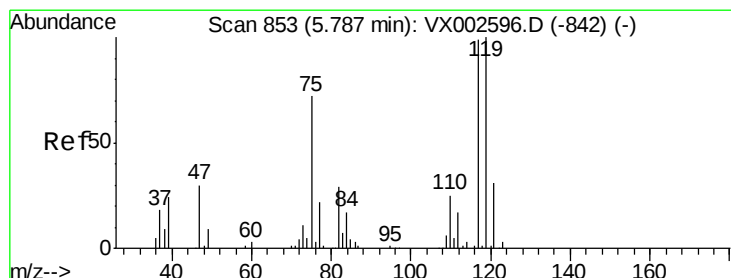
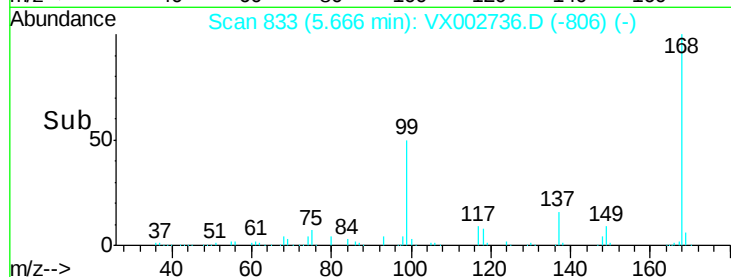
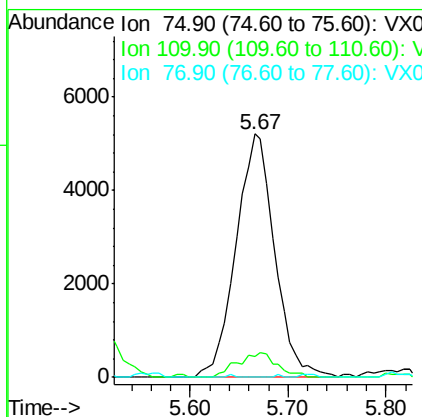
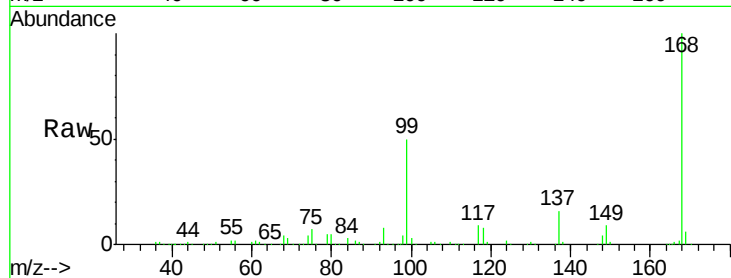




#36
 1,1-Dichloropropene
 Concen: 4.61 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 12:48

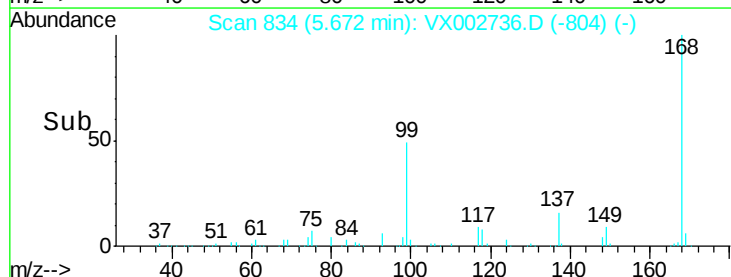
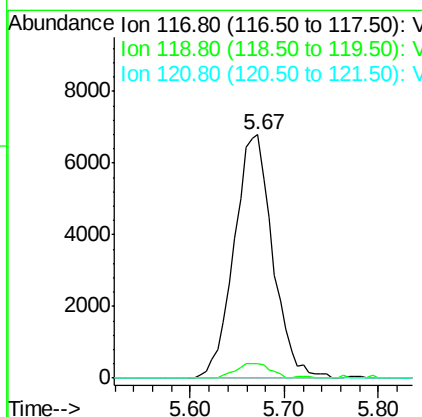
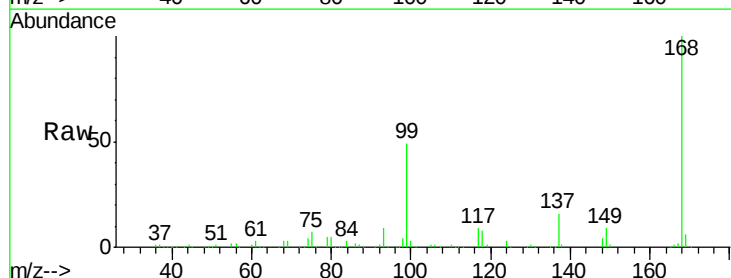
Instrument :
 MSVOA_X
 ClientSampleId :

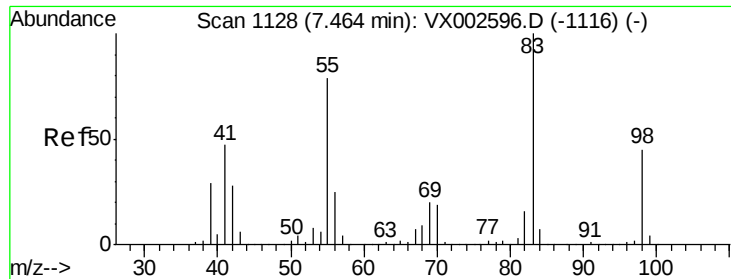
Tot Ion: 75 Resp: 14338
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.1 54.4#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.25 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 12:48

Tgt Ion: 117 Resp: 19347
 Ion Ratio Lower Upper
 117 100
 119 5.7 77.4 116.0#
 121 0.0 24.4 36.6#

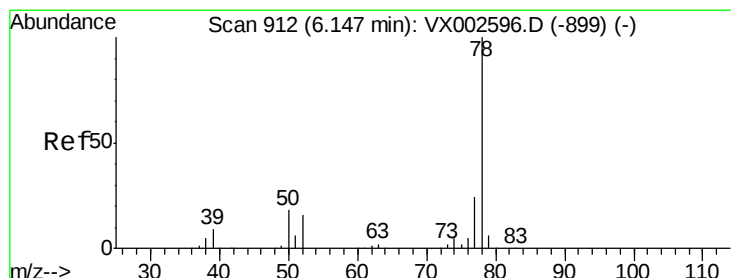
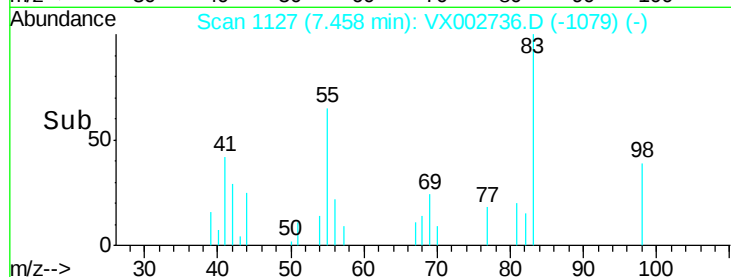
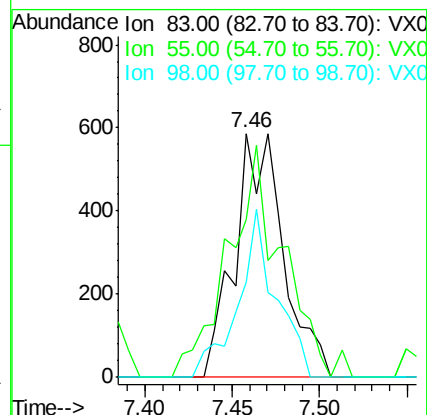
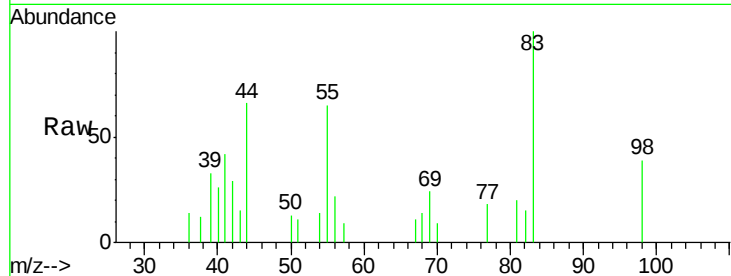




#39
Methvlcvclohexane
Concen: 0.31 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

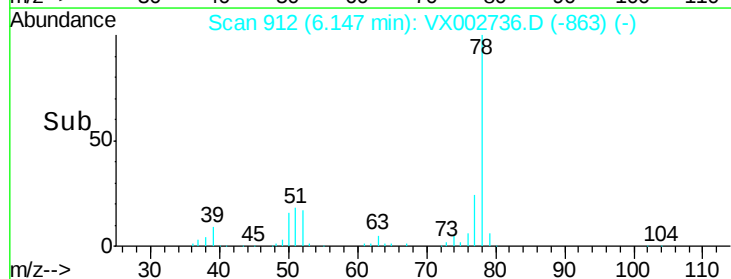
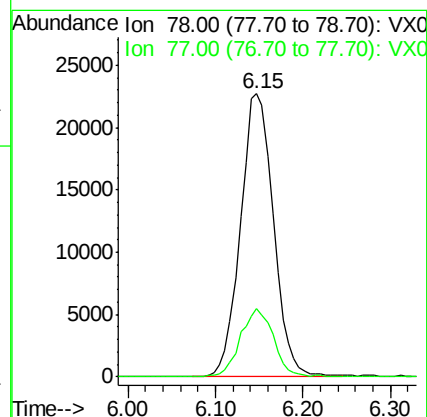
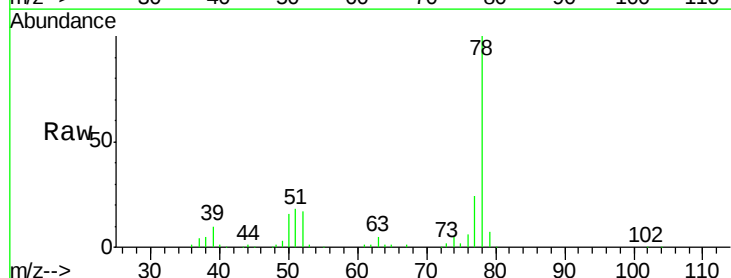
Instrument :
MSVOA_X
ClientSampleId :

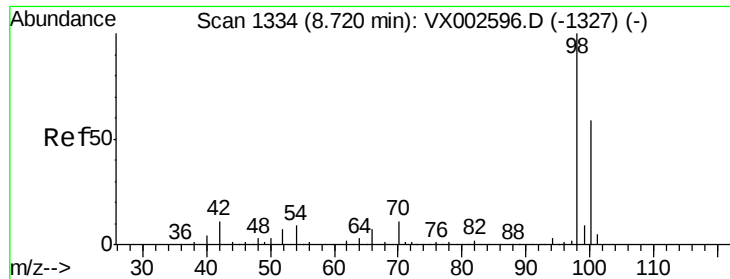
Tot Ion: 83 Resp: 1134
Ion Ratio Lower Upper
83 100
55 53.6 65.4 98.0#
98 39.1 37.4 56.0



#40
Benzene
Concen: 6.41 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion: 78 Resp: 59755
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7

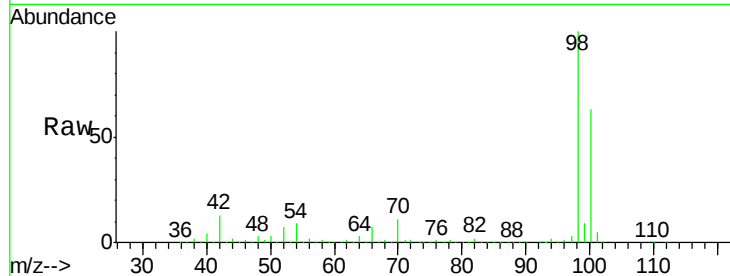




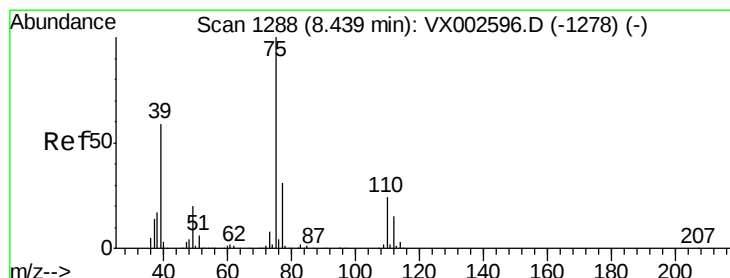
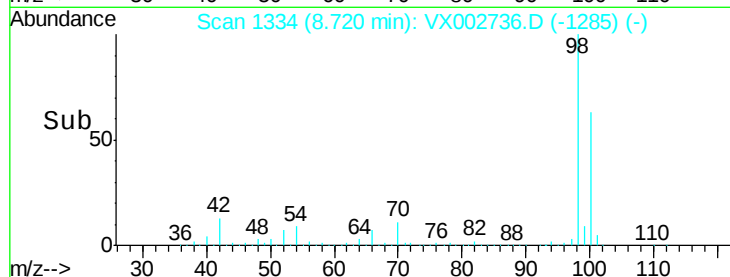
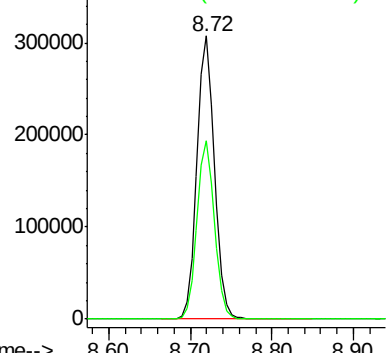
#50
Toluene-d8
Concen: 51.62 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 458150
Ion Ratio Lower Upper
98 100
100 62.9 50.9 76.3

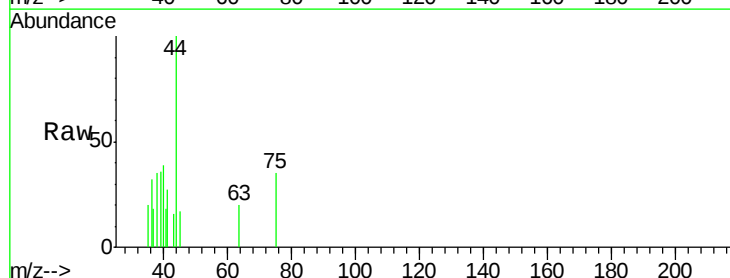


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

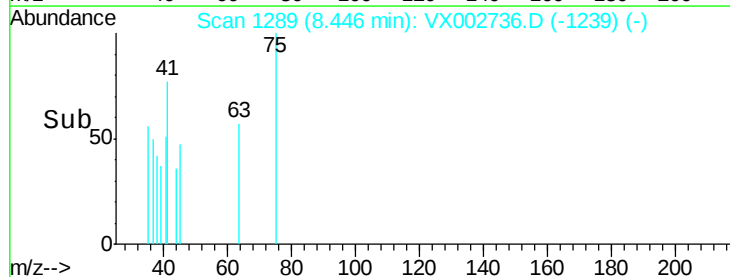
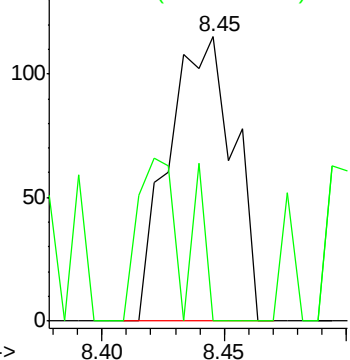


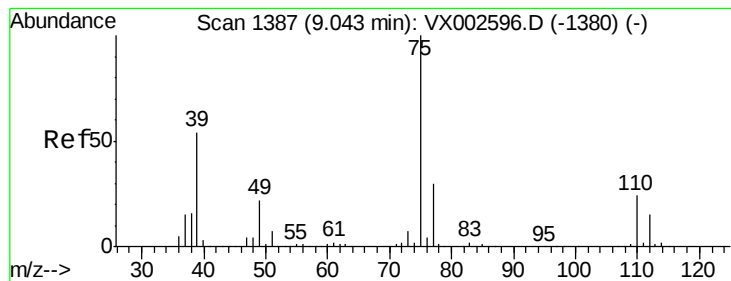
#53
t-1,3-Dichloropropene
Concen: 2.45 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion: 75 Resp: 214
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



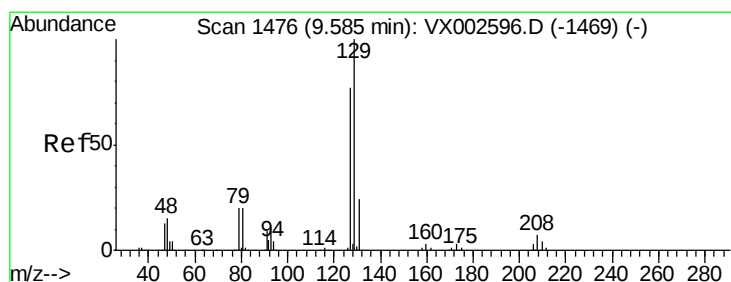
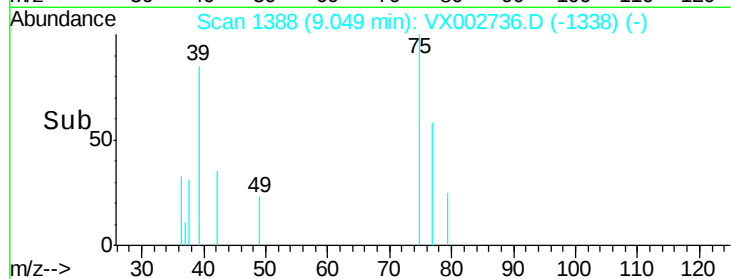
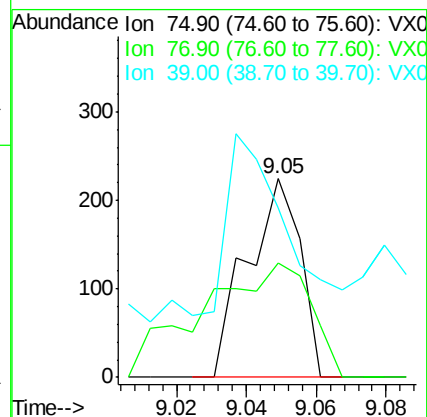
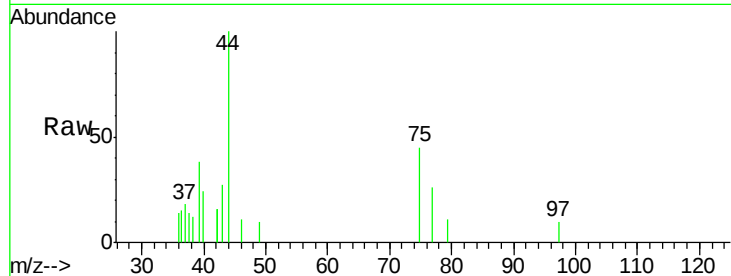


#54

cis-1,3-Dichloropropene
Concen: 3.27 ug/l
RT: 9.05 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Instrument :
MSVOA_X
ClientSampled :

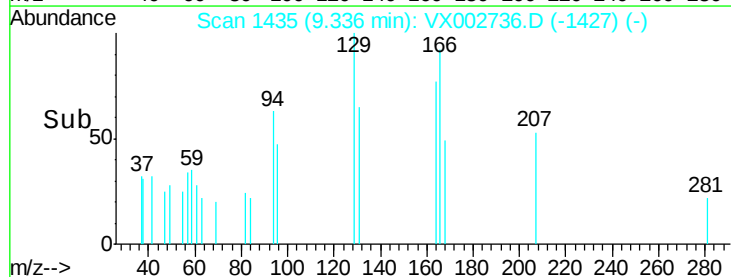
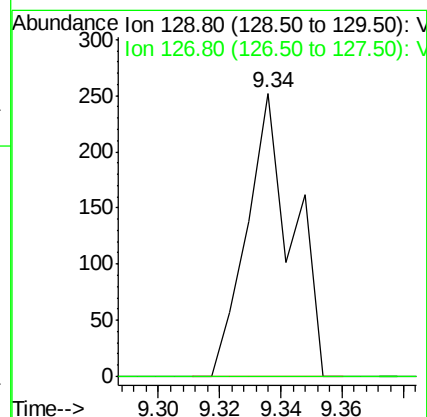
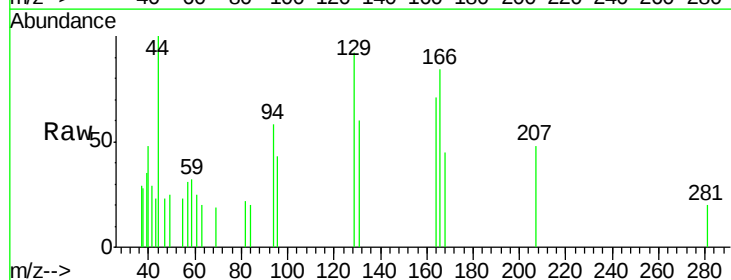
Tot Ion: 75 Resp: 235
Ion Ratio Lower Upper
75 100
77 57.6 24.8 37.2#
39 54.0 42.4 63.6

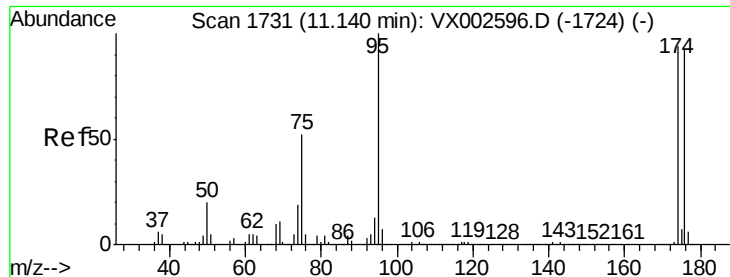


#60

Dibromochloromethane
Concen: 3.85 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion: 129 Resp: 260
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 47.40 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

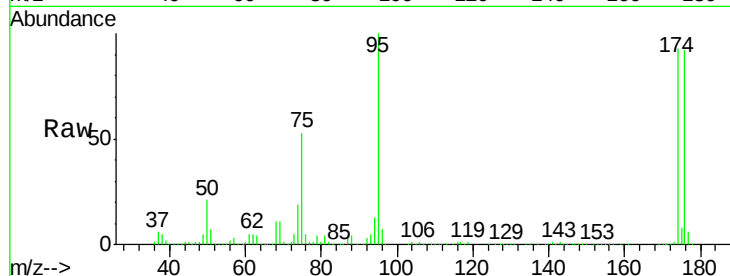
Tot Ion: 95 Resp: 159432

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

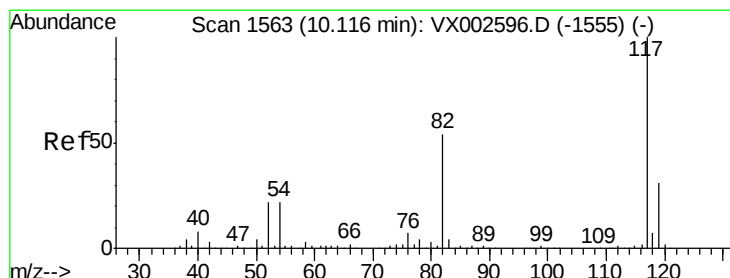
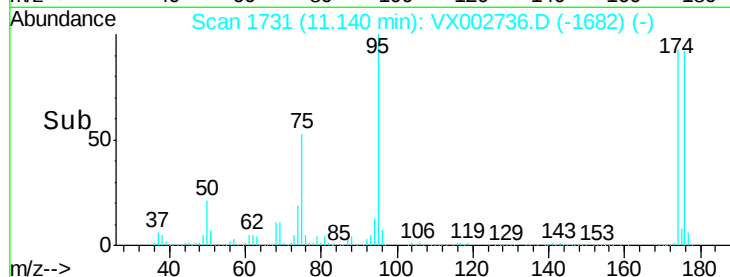
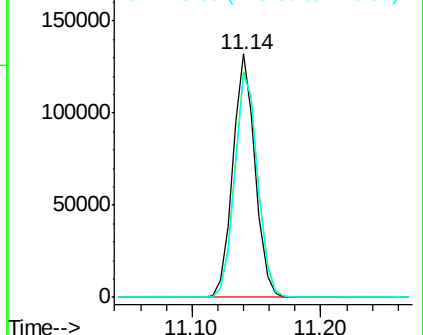
176 94.9 0.0 181.0



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: VX002736.D

Acq: 20 Jun 2018 12:48

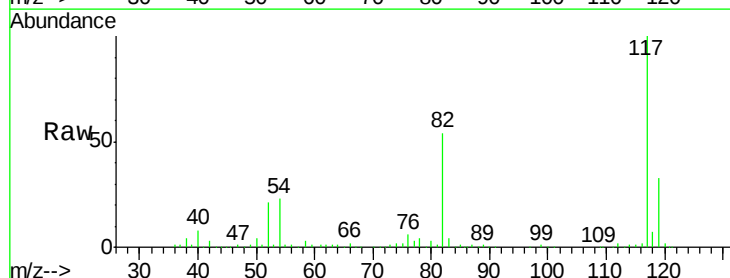
Tgt Ion: 117 Resp: 268636

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

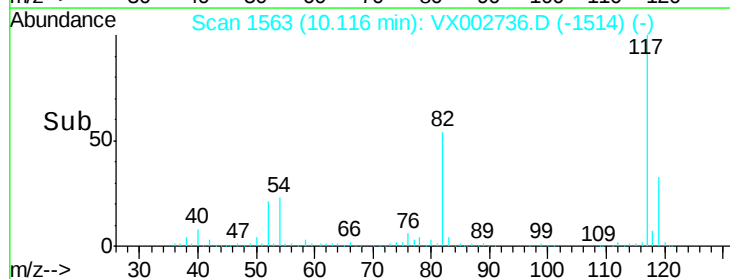
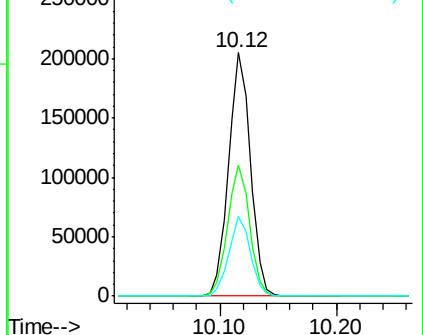
119 33.0 25.8 38.6

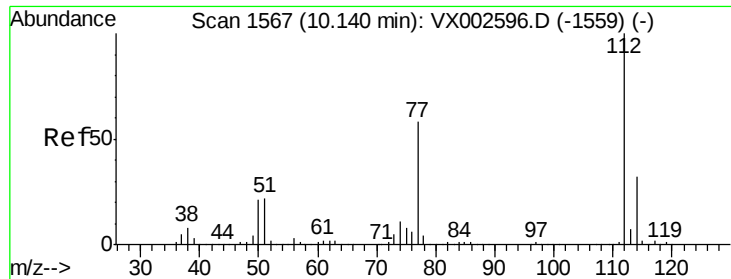


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

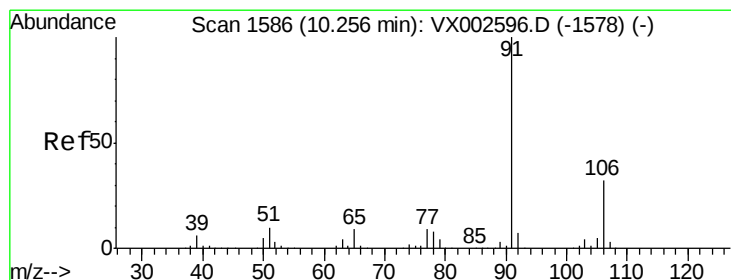
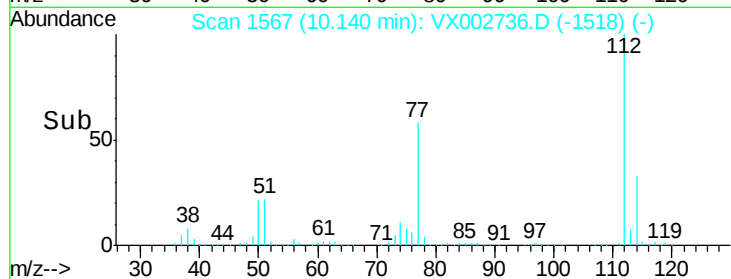
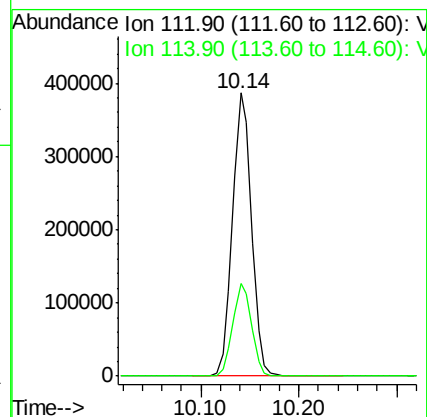
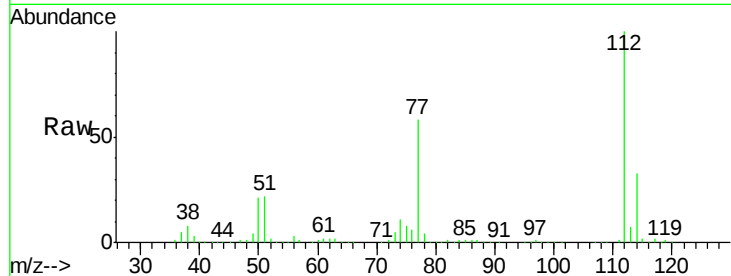




#65
Chlorobenzene
Concen: 79.17 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

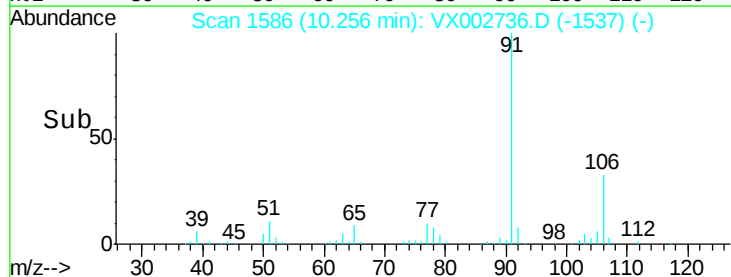
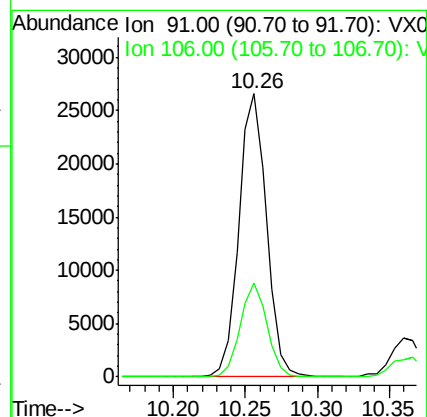
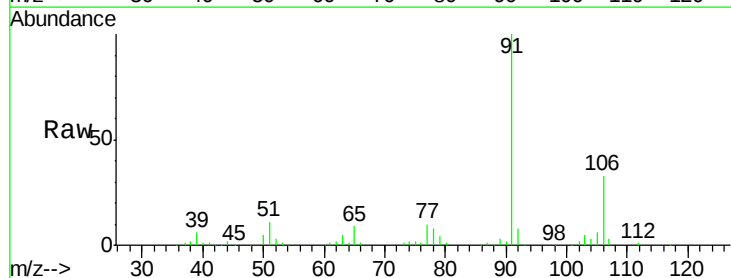
Instrument :
MSVOA_X
ClientSampleId :

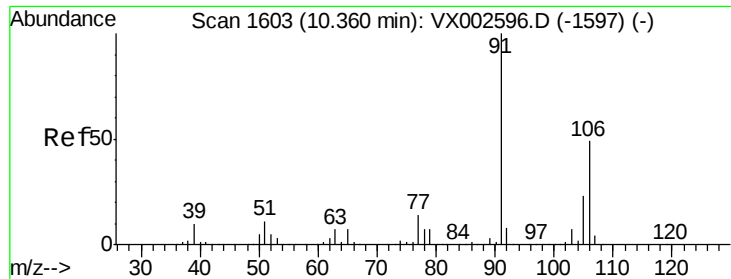
Tot Ion:112 Resp: 522309
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#67
Ethyl Benzene
Concen: 3.20 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion: 91 Resp: 35557
Ion Ratio Lower Upper
91 100
106 33.2 25.5 38.3

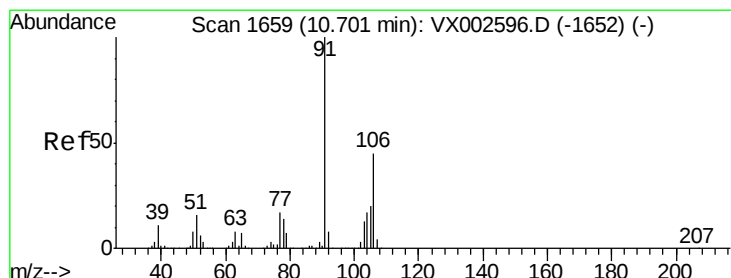
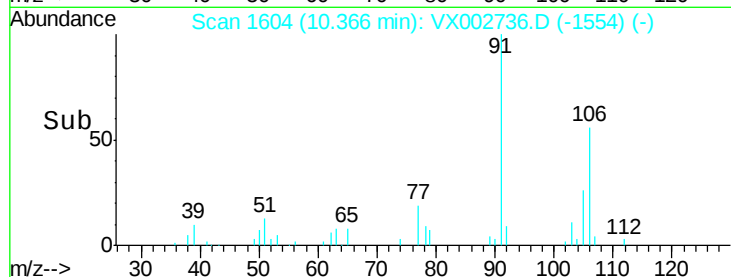
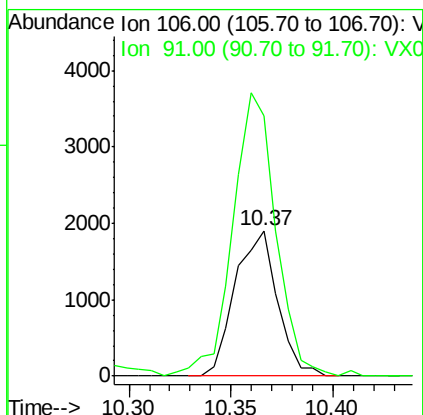
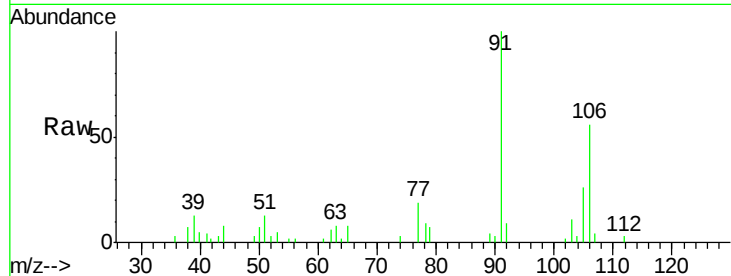




#68
m/p-Xylenes
Concen: 0.64 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

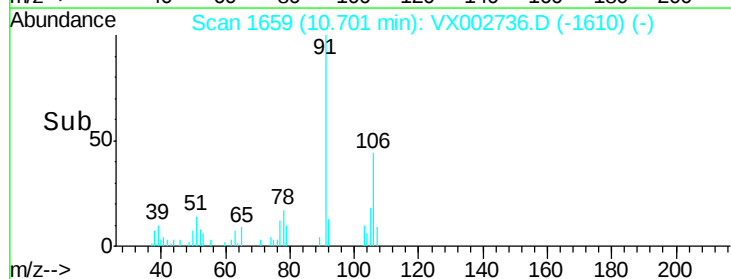
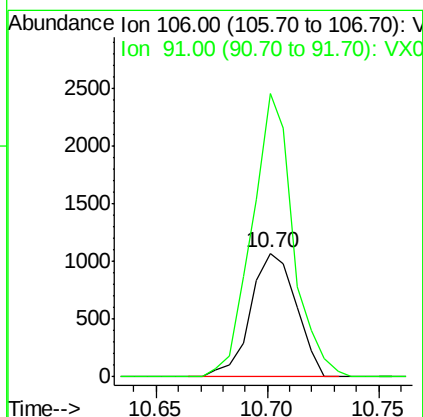
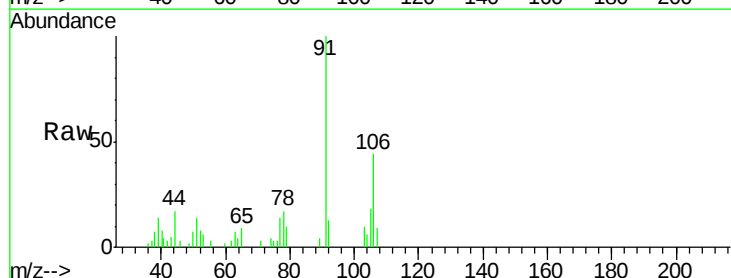
Instrument :
MSVOA_X
ClientSampled :

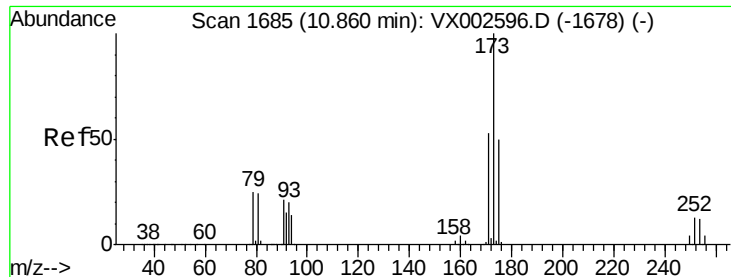
Tot Ion:106 Resp: 2747
Ion Ratio Lower Upper
106 100
91 197.3 163.4 245.2



#69
o-Xylene
Concen: 0.36 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002736.D
Acq: 20 Jun 2018 12:48

Tgt Ion:106 Resp: 1532
Ion Ratio Lower Upper
106 100
91 206.6 108.2 324.6





#71

Bromoform

Concen: 4.87 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX002736.D

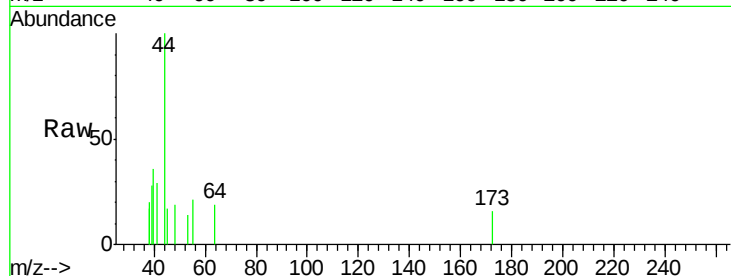
Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

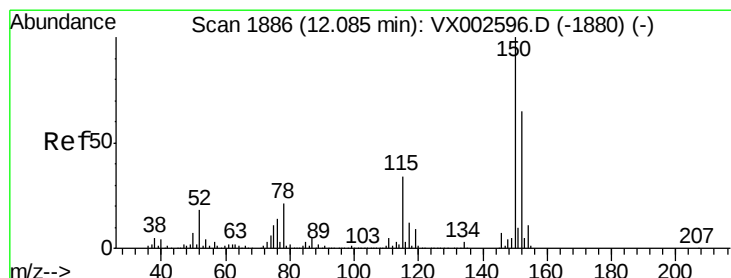
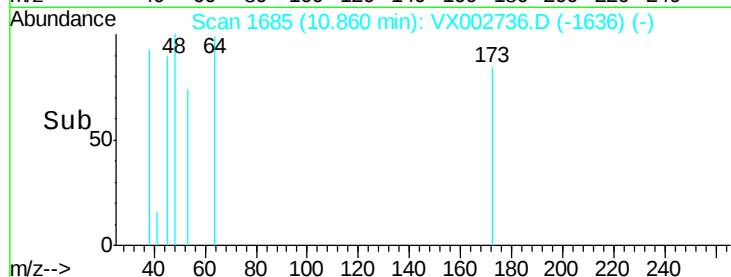
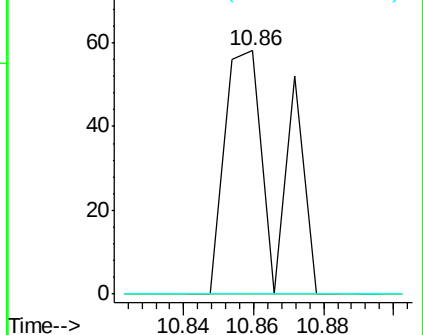
Tot Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.7	74.1#
254	0.0	0.2	0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

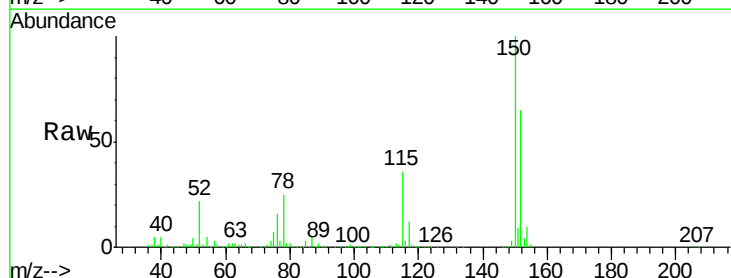
RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

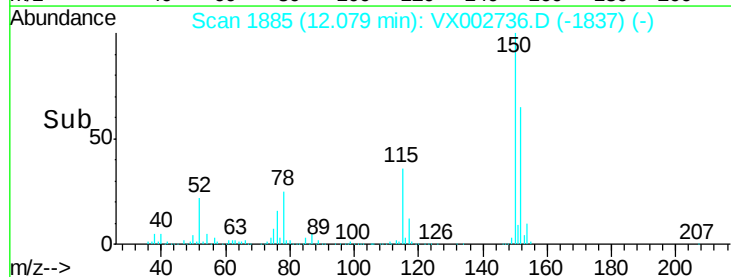
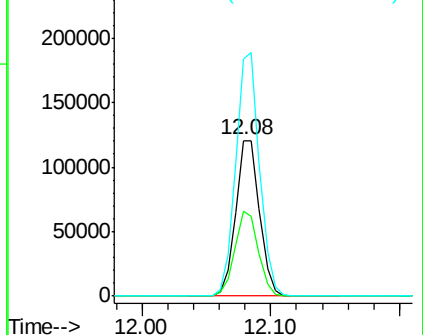
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	40.1	120.2
150	156.0	0.0	347.2

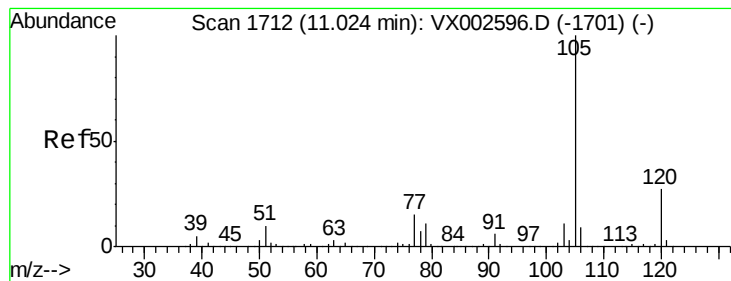


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.47 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

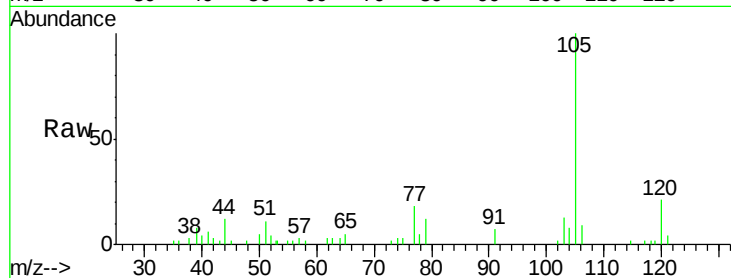
ClientSampleId :

Tot Ion: 105 Resp: 4864

Ion Ratio Lower Upper

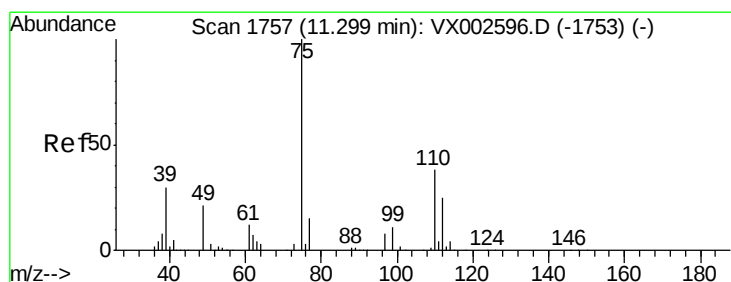
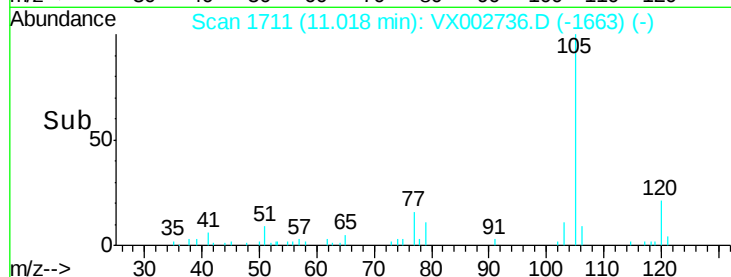
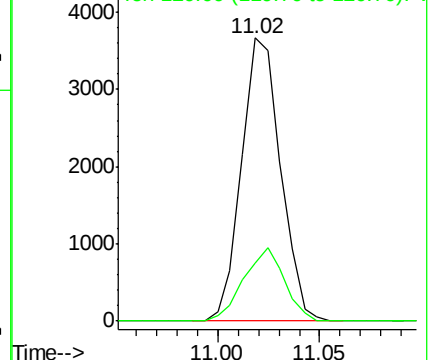
105 100

120 27.2 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 29.09 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002736.D

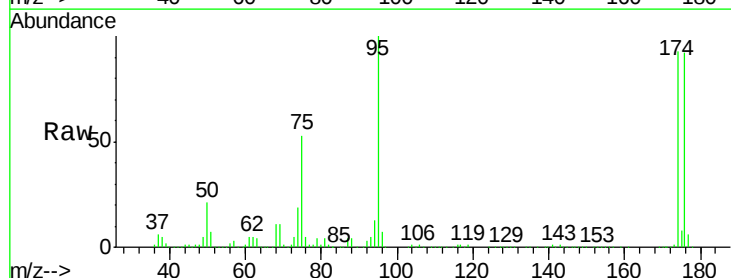
Acq: 20 Jun 2018 12:48

Tgt Ion: 75 Resp: 85338

Ion Ratio Lower Upper

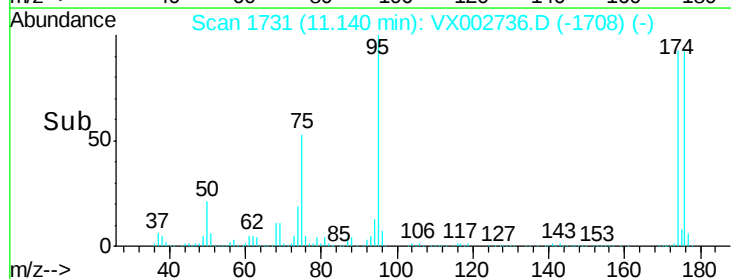
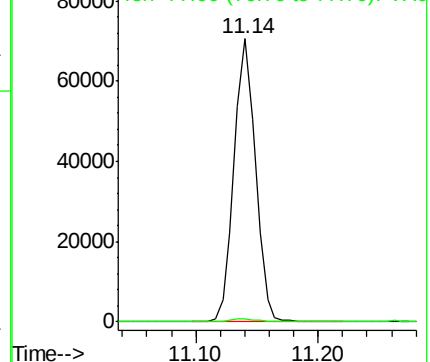
75 100

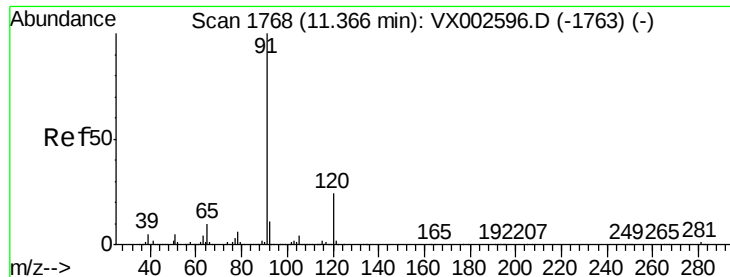
77 1.2 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.45 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

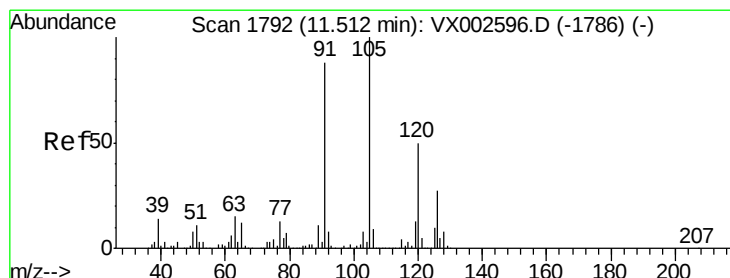
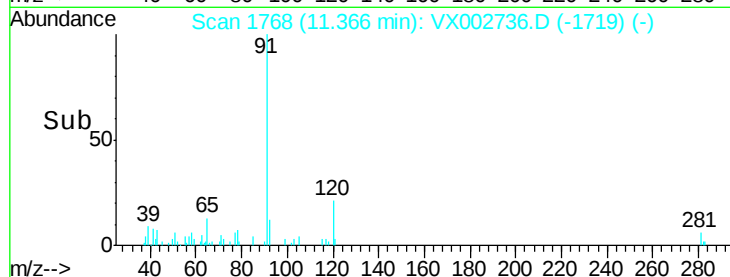
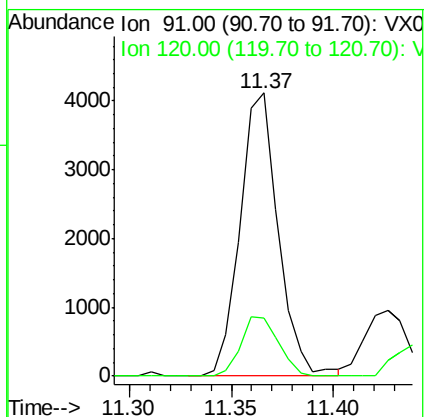
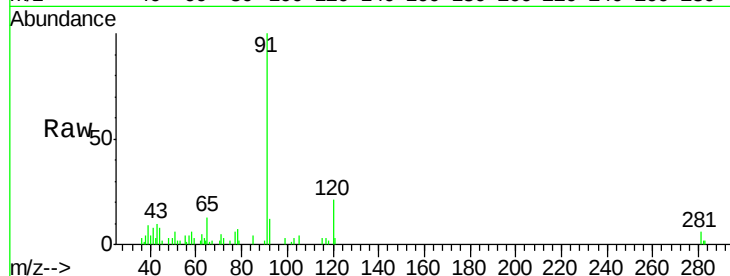
ClientSampled :

Tot Ion: 91 Resp: 5362

Ion Ratio Lower Upper

91 100

120 20.6 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 0.29 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002736.D

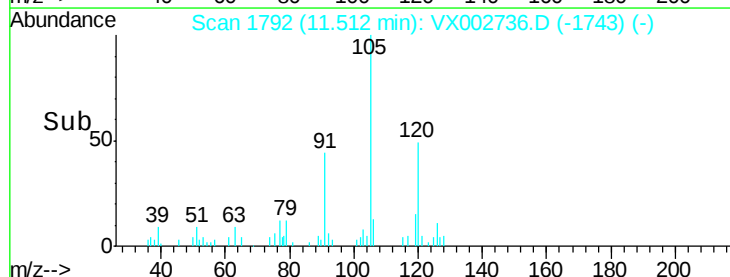
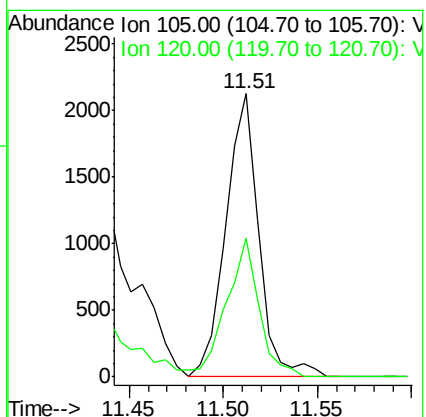
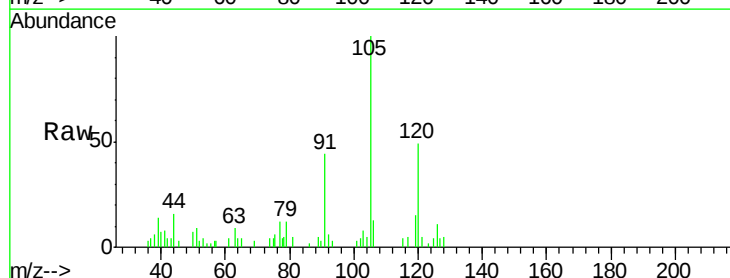
Acq: 20 Jun 2018 12:48

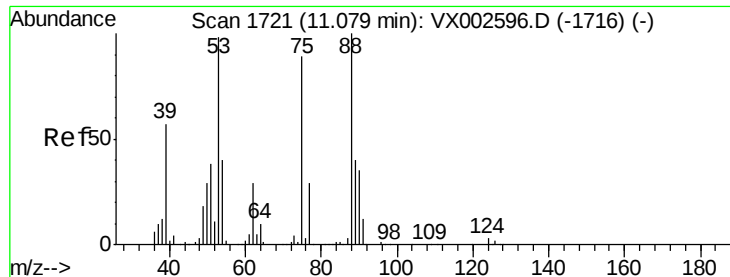
Tgt Ion:105 Resp: 2572

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 89.48 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

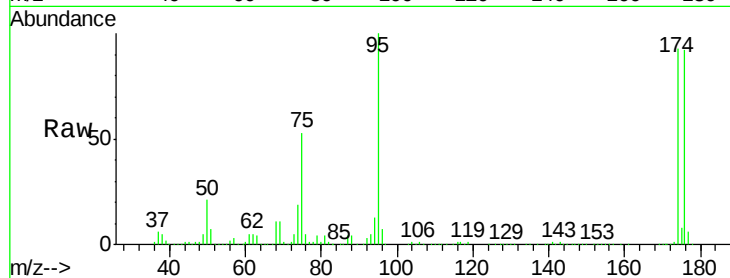
Tot Ion: 75 Resp: 85338

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

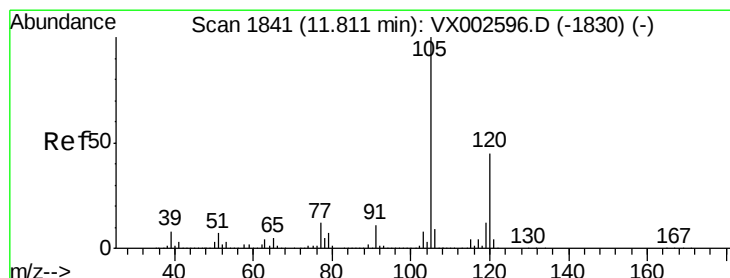
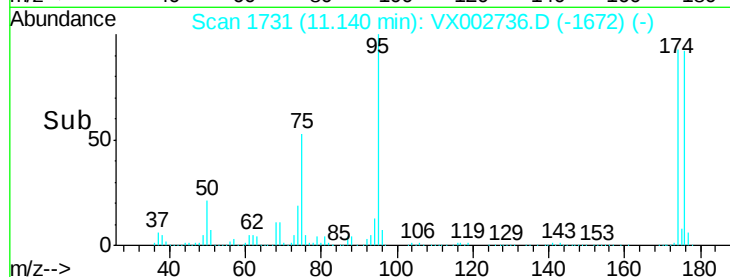
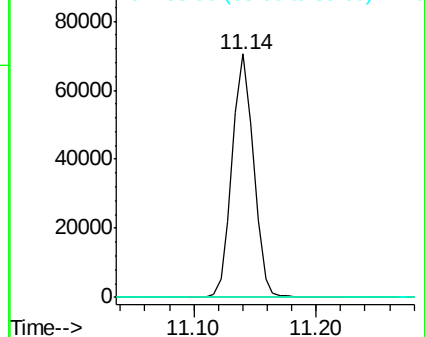
89 0.1 38.2 57.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.71 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002736.D

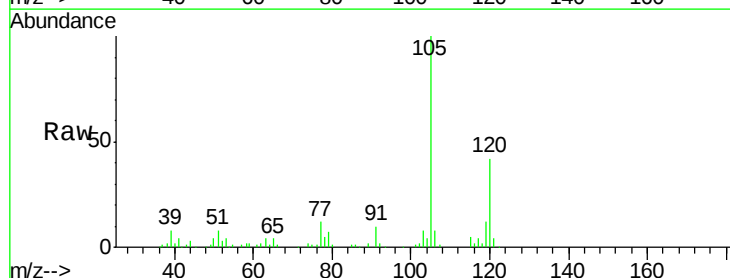
Acq: 20 Jun 2018 12:48

Tgt Ion: 105 Resp: 15370

Ion Ratio Lower Upper

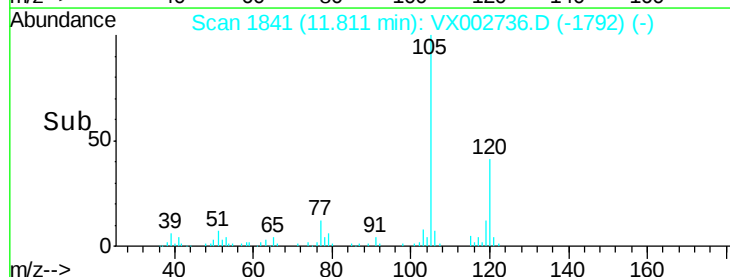
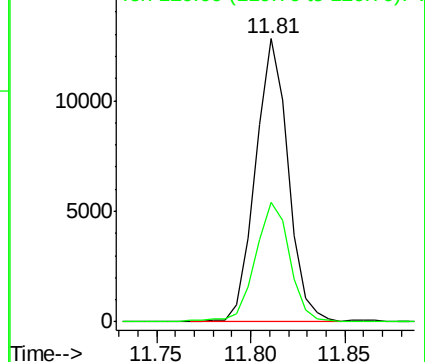
105 100

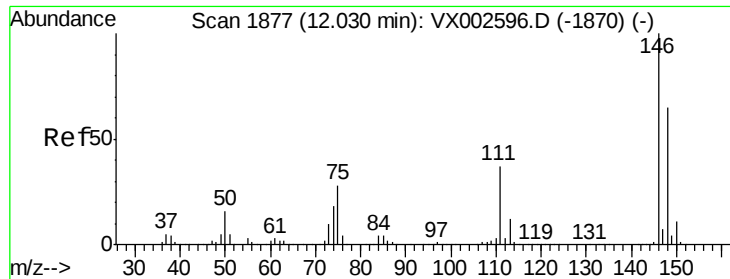
120 44.7 22.3 66.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#87

1,3-Dichlorobenzene

Concen: 0.52 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

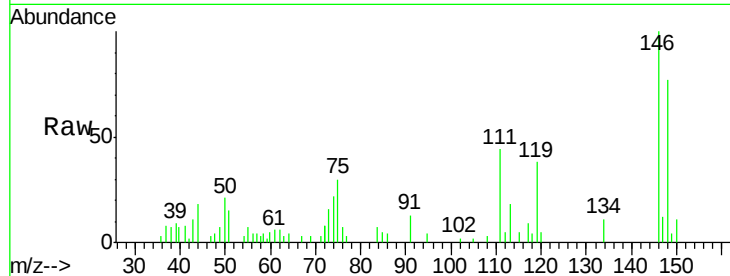
Tot Ion:146 Resp: 2748

Ion Ratio Lower Upper

146 100

111 44.1 18.9 56.7

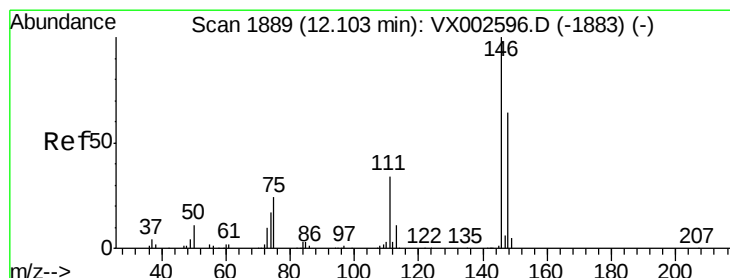
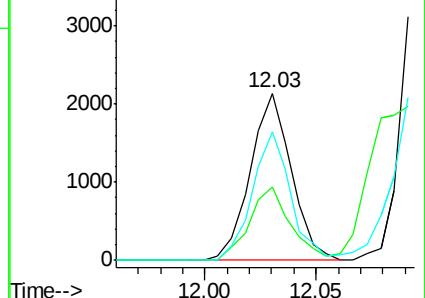
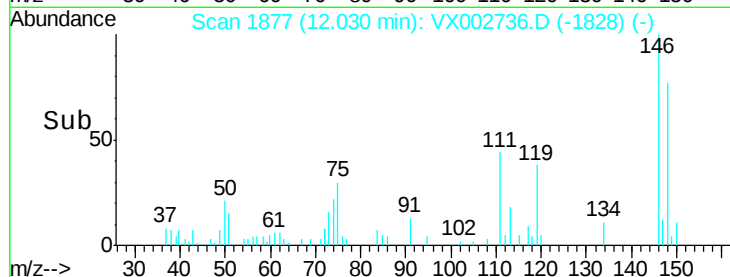
148 72.1 32.1 96.3



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



#88

1,4-Dichlorobenzene

Concen: 0.51 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.07 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

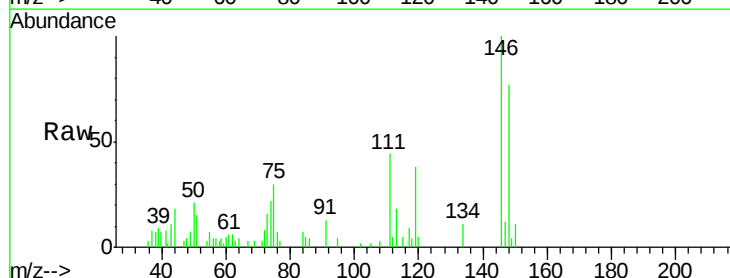
Tgt Ion:146 Resp: 2748

Ion Ratio Lower Upper

146 100

111 44.1 18.7 56.1

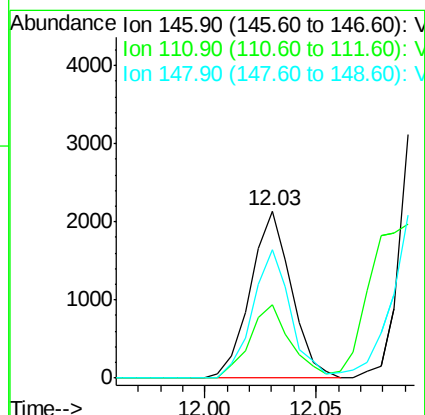
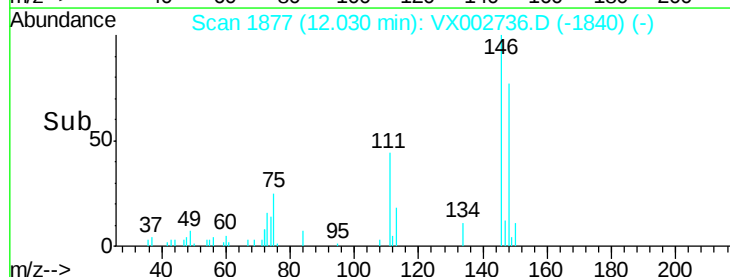
148 72.1 32.4 97.0

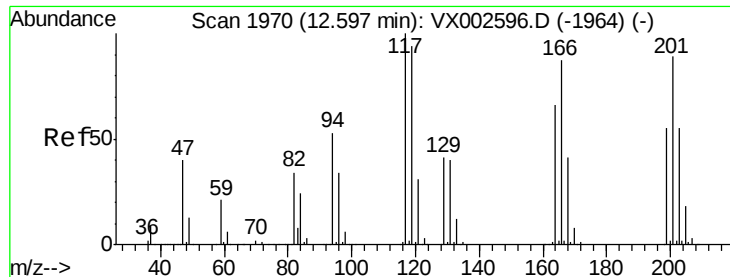


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.79 ug/l

RT: 12.60 min Scan# 1971

Delta R.T. 0.01 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

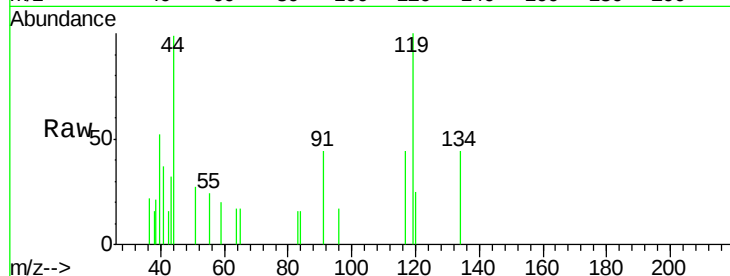
ClientSampleId :

Tot Ion:117 Resp: 261

Ion Ratio Lower Upper

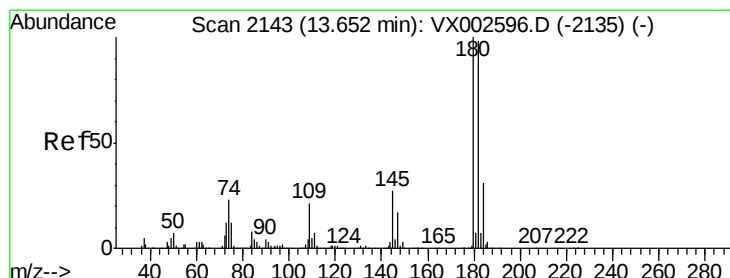
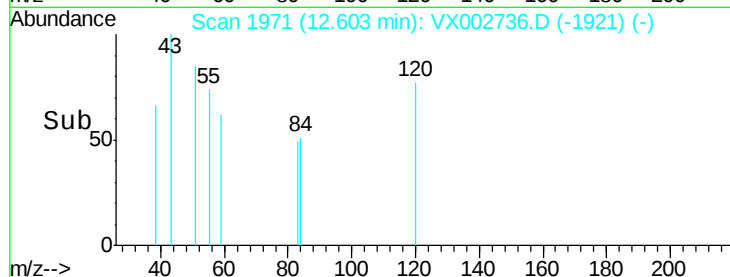
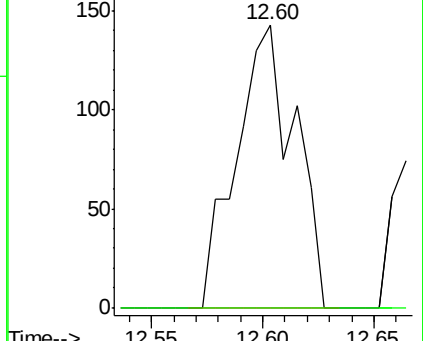
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 0.24 ug/l

RT: 13.65 min Scan# 2143

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

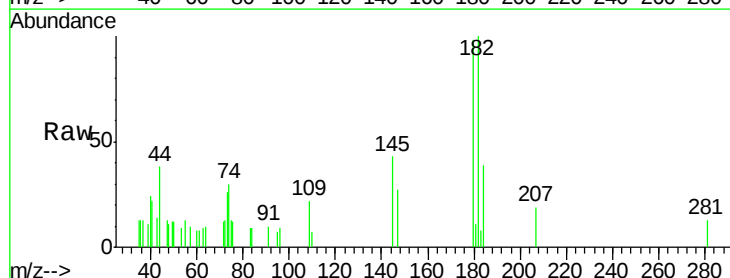
Tgt Ion:180 Resp: 950

Ion Ratio Lower Upper

180 100

182 108.0 47.7 143.1

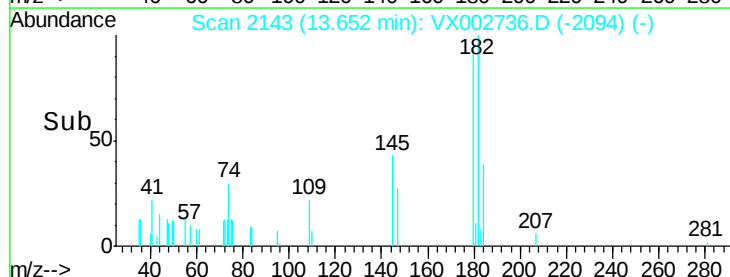
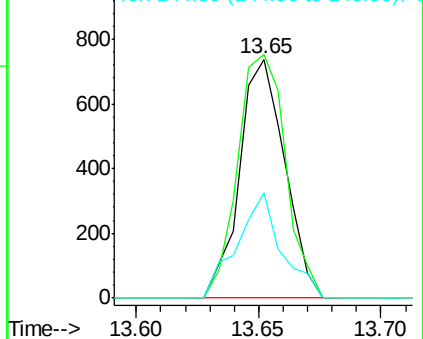
145 43.5 14.1 42.4#

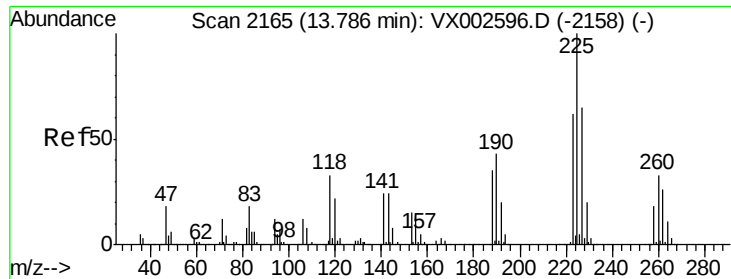


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.21 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

Instrument :

MSVOA_X

ClientSampleId :

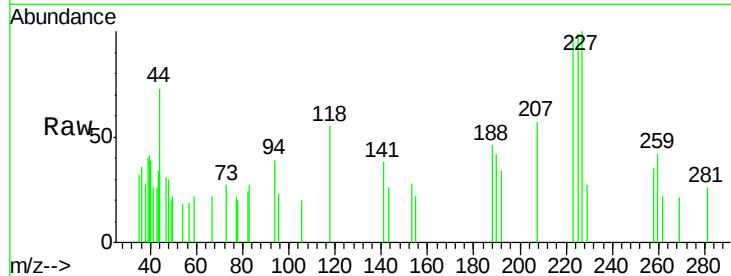
Tot Ion:225 Resp: 437

Ion Ratio Lower Upper

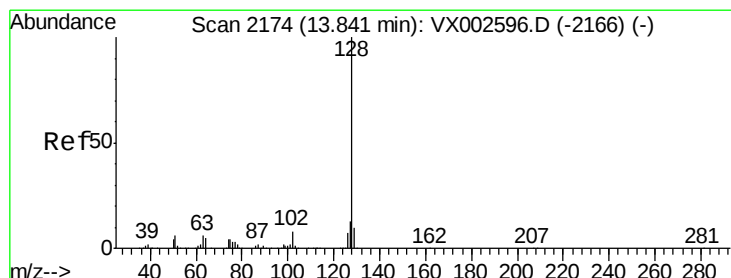
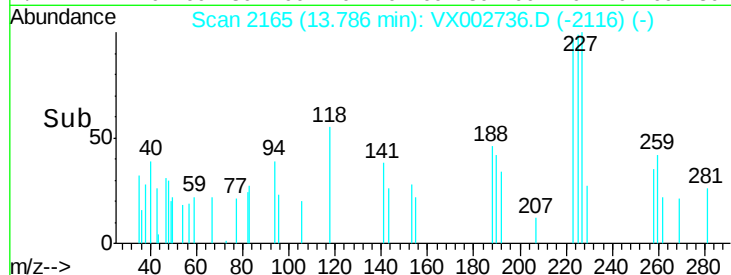
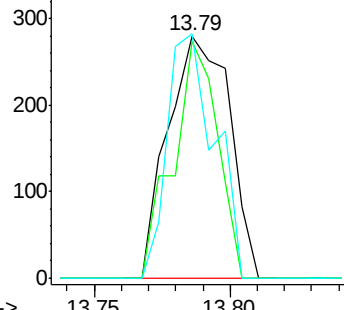
225 100

223 71.2 31.6 95.0

227 78.0 32.4 97.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.73 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002736.D

Acq: 20 Jun 2018 12:48

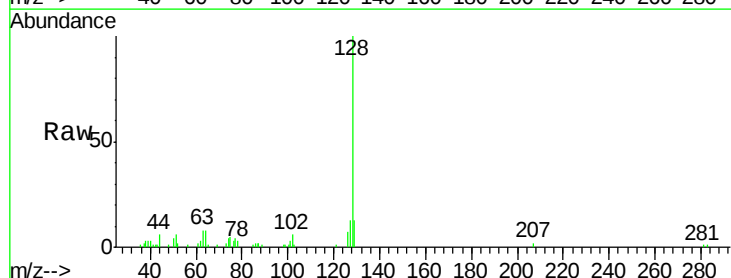
Tgt Ion:128 Resp: 7621

Ion Ratio Lower Upper

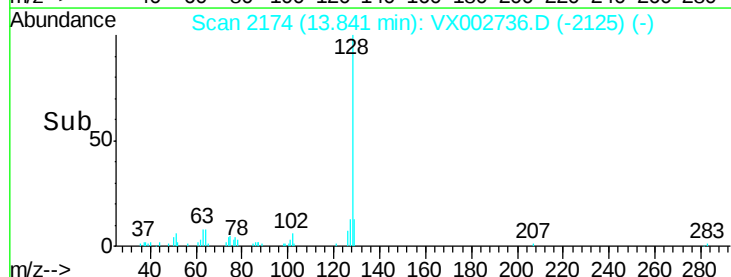
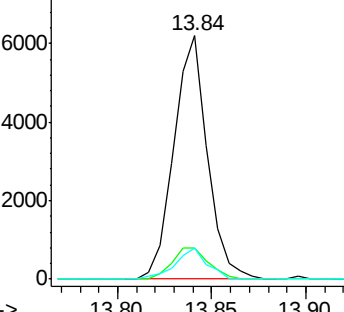
128 100

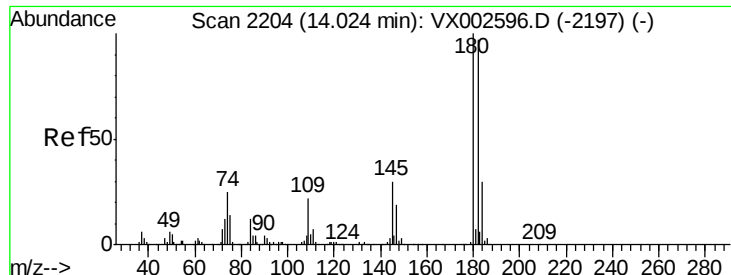
127 14.2 10.4 15.6

129 11.7 8.6 13.0



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

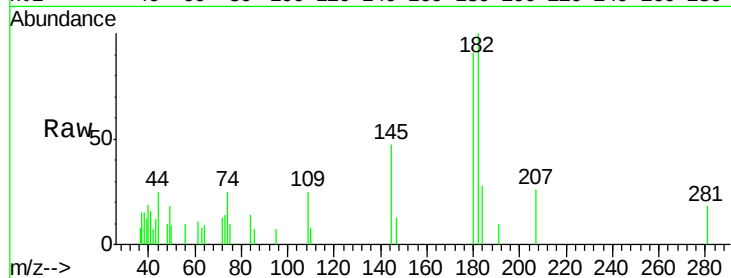




#96
 1,2,3-Trichlorobenzene
 Concen: 0.26 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. 0.00 min
 Lab File: VX002736.D
 Acq: 20 Jun 2018 12:48

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	39.2	14.8	44.3



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

