

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002851.D
 Acq On : 23 Jun 2018 00:24
 Operator : JC/MD
 Sample : J3510-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 01:35:40 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	242829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	345930	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	205221	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	167078	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
35) Dibromofluoromethane	5.51	113	130563	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	8.72	98	485958	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.14	95	191691	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	

Target Compounds						Qvalue
3) Chloromethane	1.32	50	6987	2.28	ug/l #	53
4) Vinyl Chloride	1.41	62	8180	2.57	ug/l #	1
5) Bromomethane	1.65	94	1045	0.54	ug/l #	79
6) Chloroethane	1.95	64	1061	0.51	ug/l #	61
10) Methyl Iodide	2.52	142	931	5.40	ug/l #	93
11) Tert butyl alcohol	3.07	59	3264	4.28	ug/l #	79
13) Acrolein	2.27	56	99	7.13	ug/l #	1
16) Acetone	2.45	43	3857	2.37	ug/l	97
17) Carbon Disulfide	2.58	76	3866	0.60	ug/l	97
19) Methyl tert-butyl Ether	3.21	73	2692	0.26	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	17292	5.87	ug/l	100
25) 2-Butanone	4.72	43	1232	0.58	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	6630	2.21	ug/l	23
29) Tetrahydrofuran	5.18	42	7083	5.05	ug/l	97
31) Cyclohexane	5.58	56	27428	6.30	ug/l	95
36) 1,1-Dichloropropene	5.67	75	16624	4.52	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21899	5.99	ug/l #	16
39) Methylcyclohexane	7.47	83	10004	2.33	ug/l	93
40) Benzene	6.15	78	1288513	116.96	ug/l	100
42) 1,2-Dichloroethane	6.15	62	12478	2.93	ug/l #	77
44) Trichloroethene	7.21	130	2953	0.93	ug/l	84
49) 1,4-Dioxane	7.64	88	22	0.33	ug/l #	22
51) 4-Methyl-2-Pentanone	8.66	43	3943	0.89	ug/l	92
52) Toluene	8.79	92	2928	0.42	ug/l	92
53) t-1,3-Dichloropropene	8.40	75	28	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.04	75	19	3.22	ug/l #	32
59) 2-Hexanone	9.52	43	1167	0.35	ug/l	94
60) Dibromochloromethane	9.35	129	229	3.83	ug/l #	11
65) Chlorobenzene	10.15	112	10917841	1313.45	ug/l #	87
67) Ethyl Benzene	10.26	91	803802	57.33	ug/l	100
68) m/p-Xylenes	10.36	106	49259	9.11	ug/l	99
69) o-Xylene	10.70	106	28993	5.46	ug/l	98
73) Isopropylbenzene	11.02	105	101297	7.38	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	99697	25.74	ug/l #	33

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

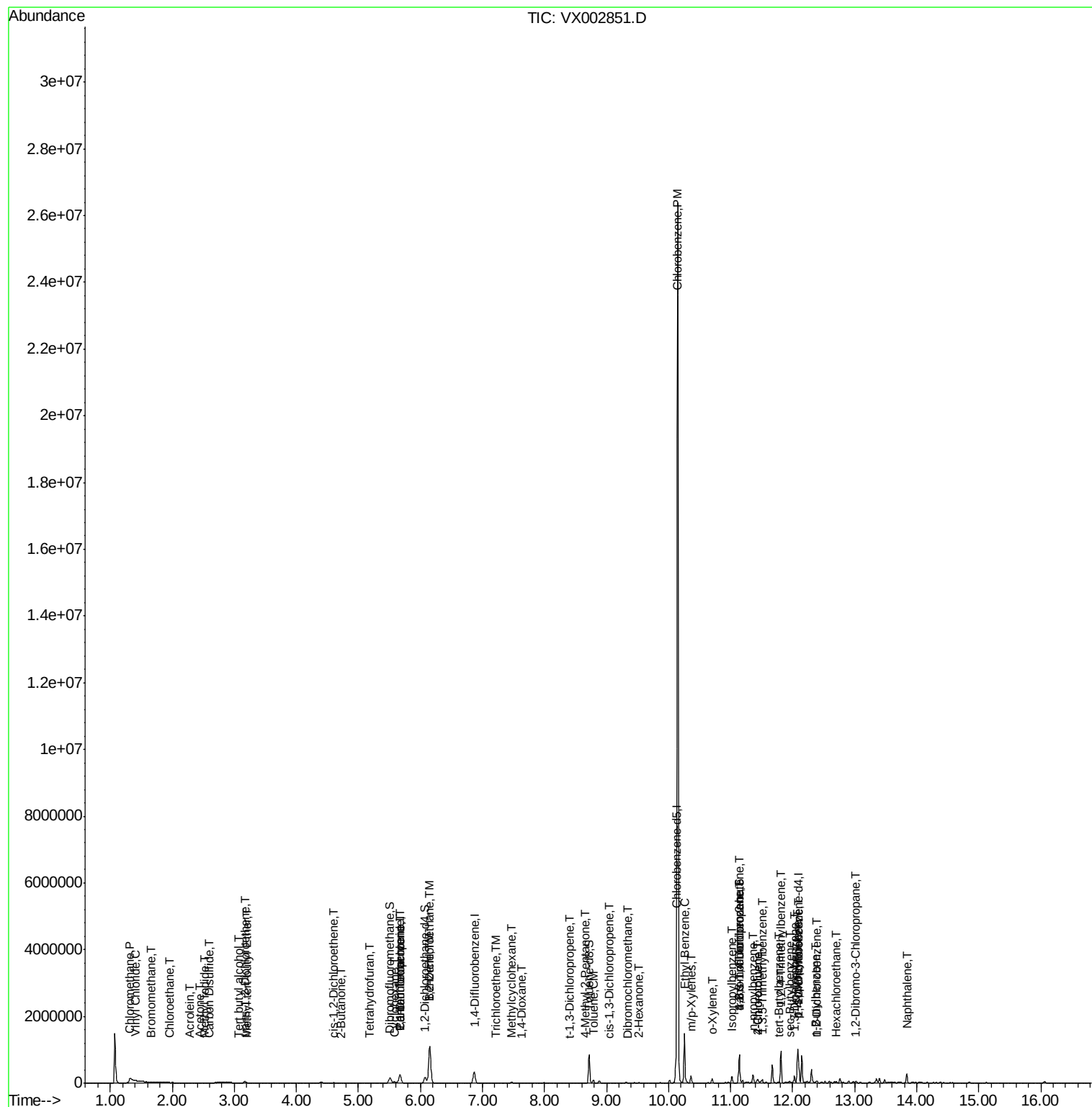
78) n-propylbenzene	11.37	91	102015	6.48	ug/l	99
79) 2-Chlorotoluene	11.43	91	22414	2.38	ug/l	85
80) 1,3,5-Trimethylbenzene	11.51	105	43680	3.77	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	99697	79.67	ug/l #	7
82) 4-Chlorotoluene	11.43	91	22414	2.02	ug/l	92
83) tert-Butylbenzene	11.77	119	6698	0.60	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	397432	33.58	ug/l	98
85) sec-Butylbenzene	11.95	105	22209	1.60	ug/l	81
86) p-Isopropyltoluene	12.07	119	10685	0.85	ug/l	94
87) 1,3-Dichlorobenzene	12.03	146	47103	6.72	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	149766	20.99	ug/l	100
89) n-Butylbenzene	12.37	91	4754	0.43	ug/l #	15
90) Hexachloroethane	12.70	117	15245	10.00	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	7333	1.04	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.01	75	259	0.31	ug/l #	1
95) Naphthalene	13.84	128	172100	12.49	ug/l	99

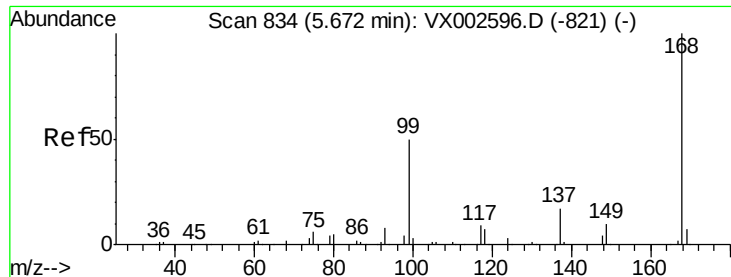
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

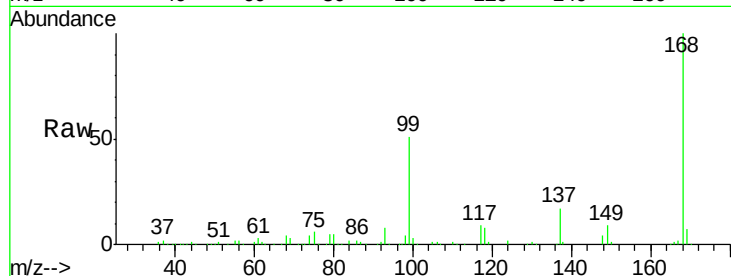
ClientSampled :

Tot Ion:168 Resp: 242829

Ion Ratio Lower Upper

168 100

99 50.9 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

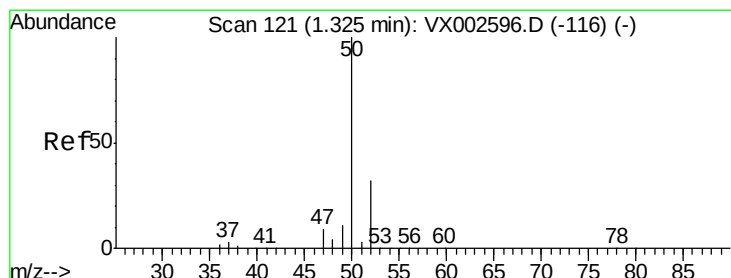
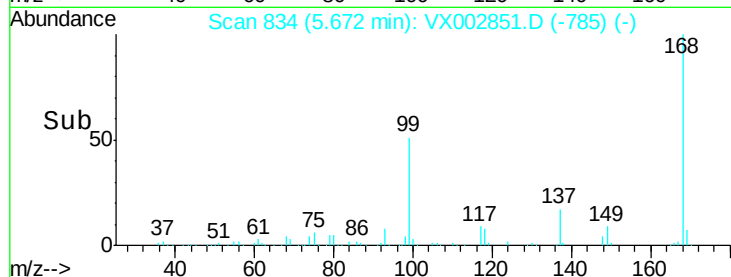
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 2.28 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002851.D

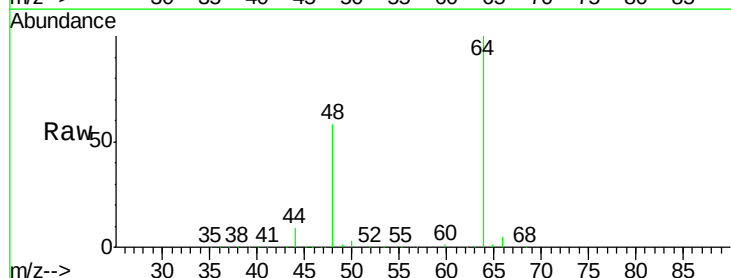
Acq: 23 Jun 2018 00:24

Tgt Ion: 50 Resp: 6987

Ion Ratio Lower Upper

50 100

52 5.9 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

2500

2000

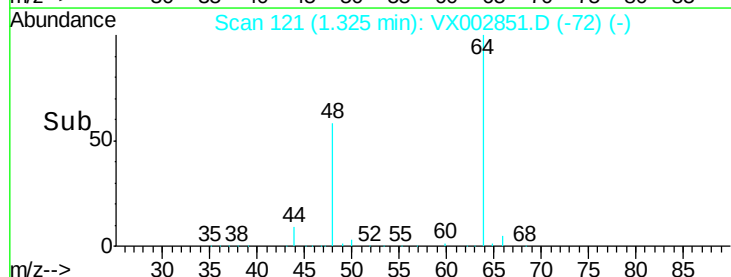
1500

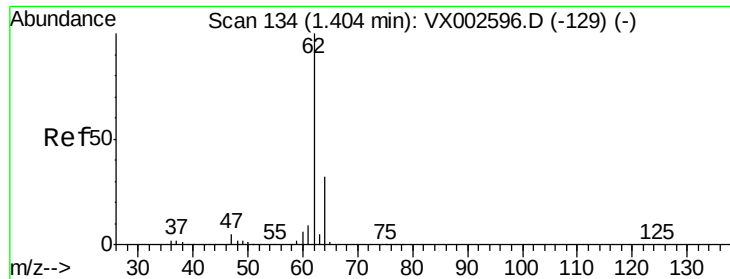
1000

500

0

Time--> 1.25 1.30 1.35





#4

Vinyl Chloride

Concen: 2.57 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

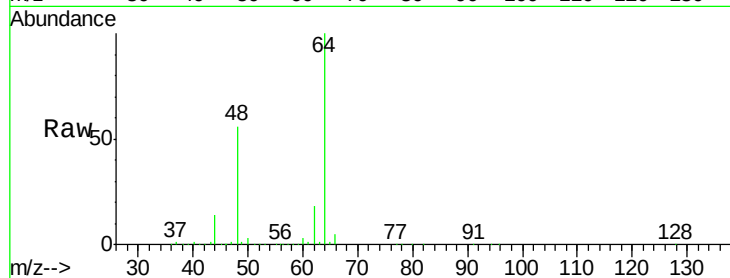
ClientSampleId :

Tot Ion: 62 Resp: 8180

Ion Ratio Lower Upper

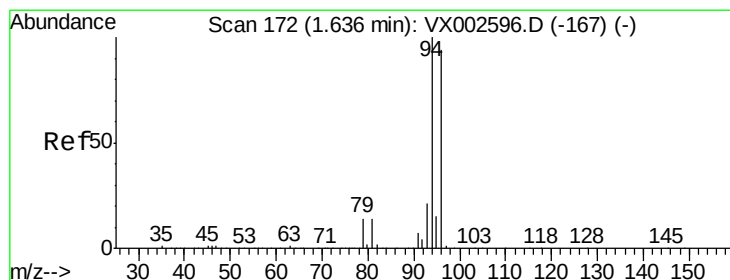
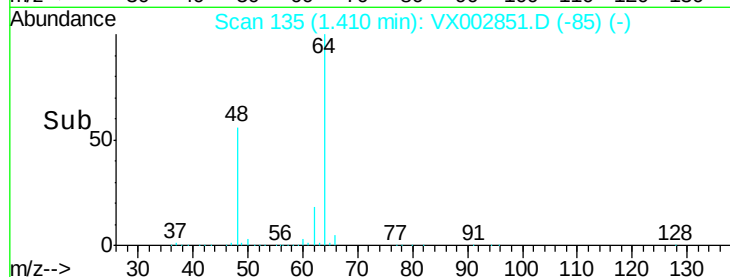
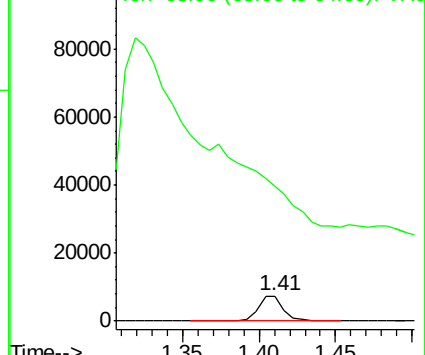
62 100

64 166.8 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: 0.54 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002851.D

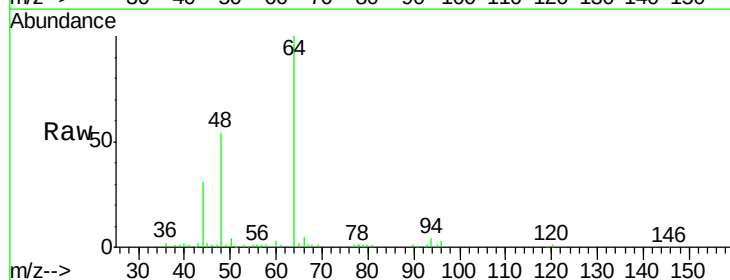
Acq: 23 Jun 2018 00:24

Tgt Ion: 94 Resp: 1045

Ion Ratio Lower Upper

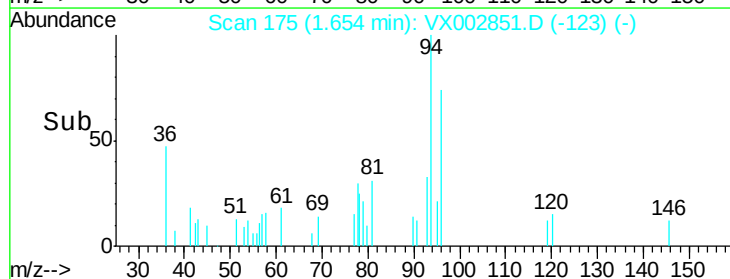
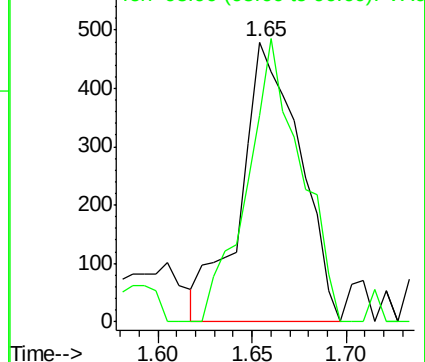
94 100

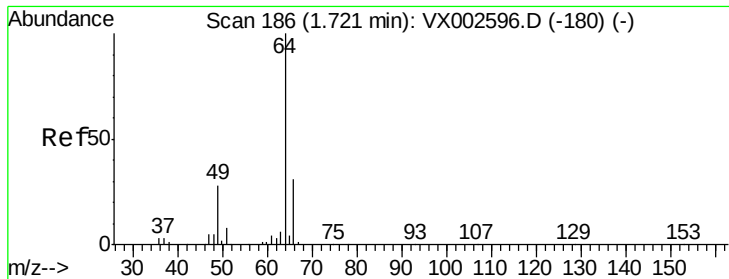
96 73.8 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.51 ug/l

RT: 1.95 min Scan# 223

Delta R.T. 0.23 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

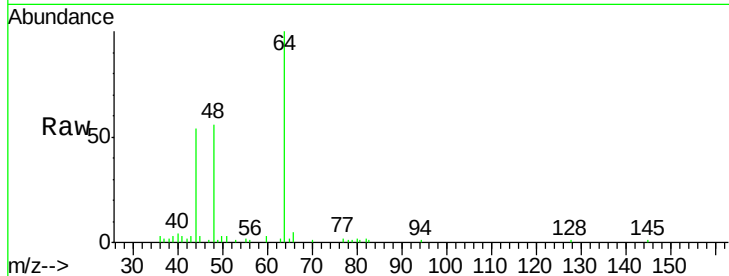
ClientSampleId :

Tot Ion: 64 Resp: 1061

Ion Ratio Lower Upper

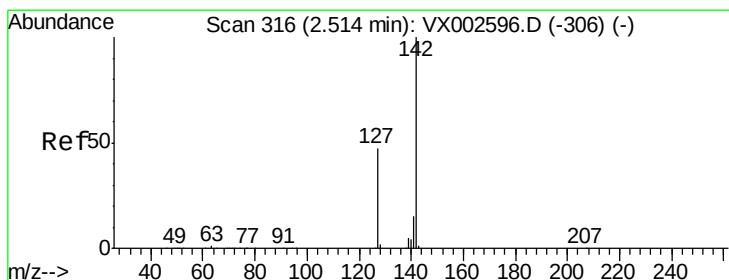
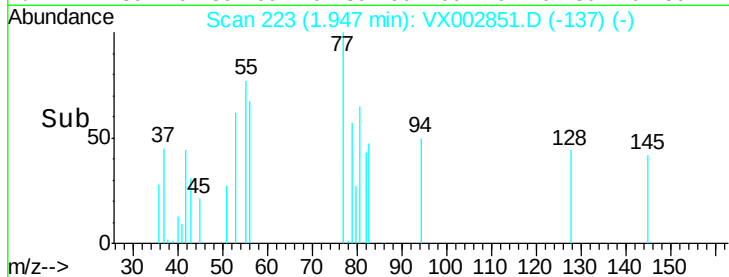
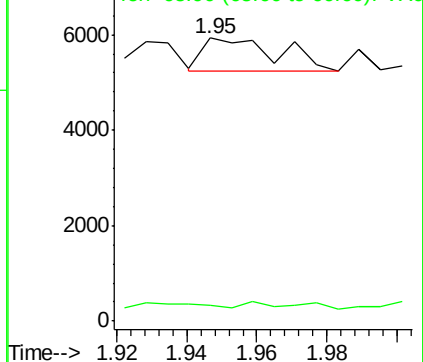
64 100

66 10.4 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.40 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

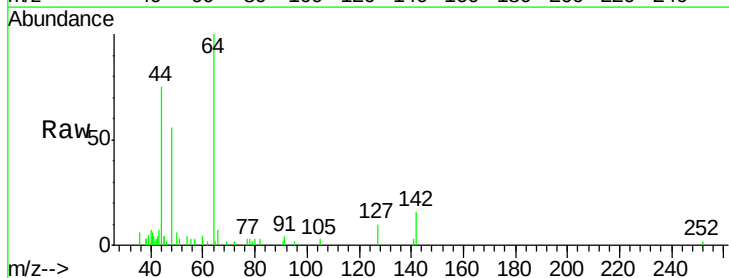
Tgt Ion: 142 Resp: 931

Ion Ratio Lower Upper

142 100

127 47.5 36.6 55.0

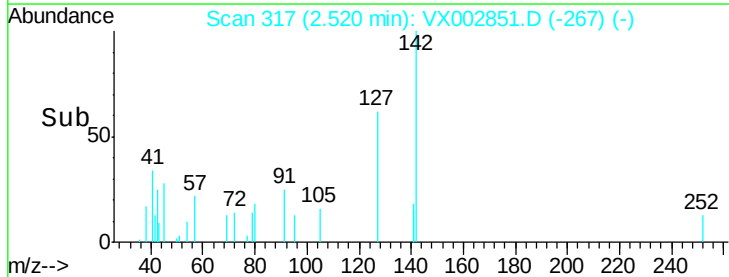
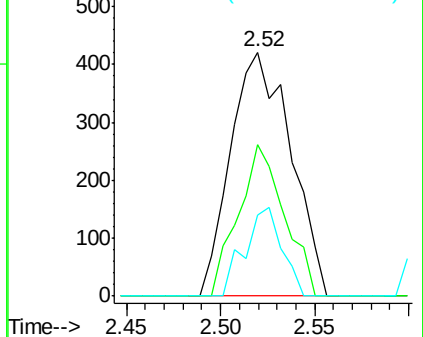
141 22.4 11.3 16.9#

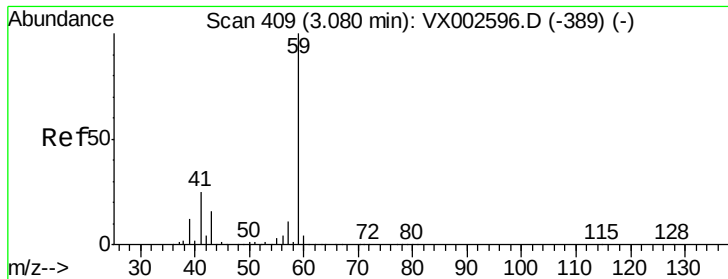


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



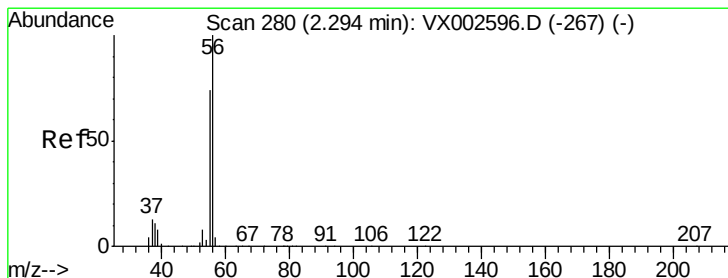
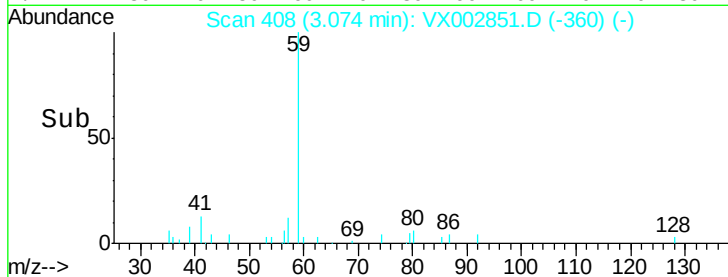
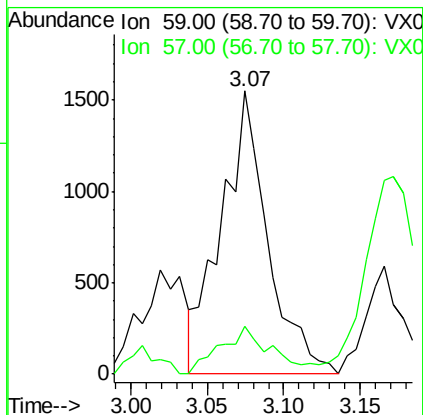
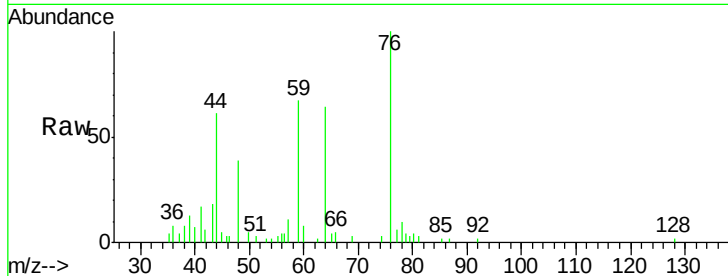


#11

Tert butyl alcohol
Concen: 4.28 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Instrument :
MSVOA_X
ClientSampled :

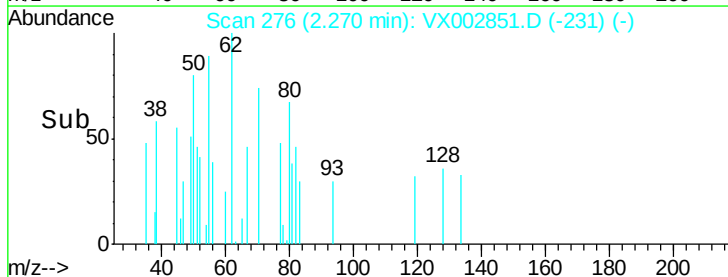
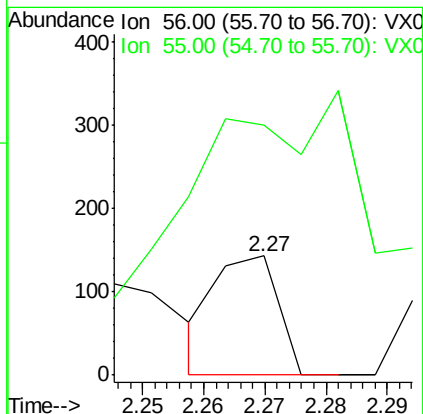
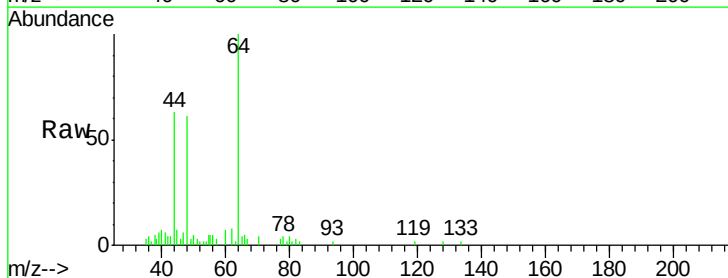
Tot Ion: 59 Resp: 3264
Ion Ratio Lower Upper
59 100
57 18.1 8.2 12.2#

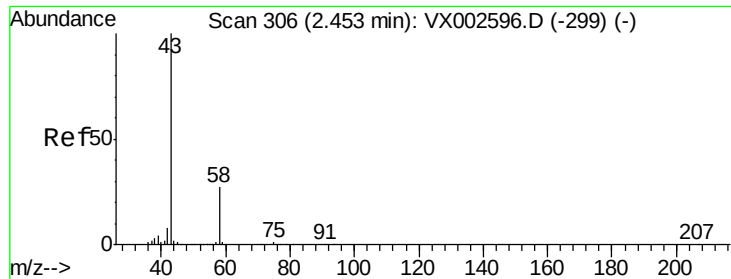


#13

Acrolein
Concen: 7.13 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 608.1 57.0 85.4#





#16

Acetone

Concen: 2.37 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

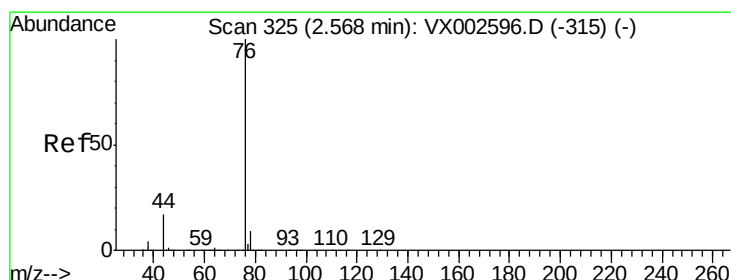
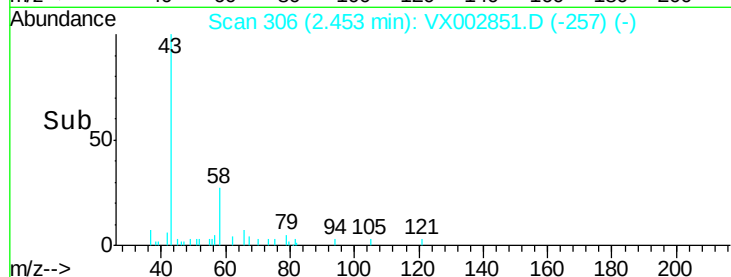
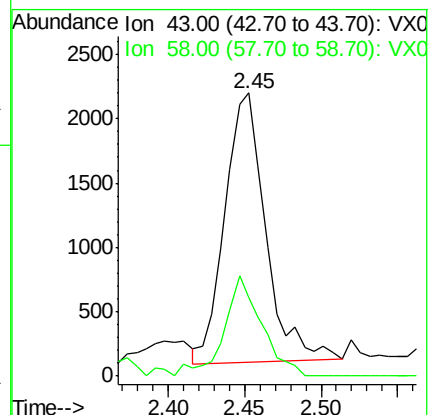
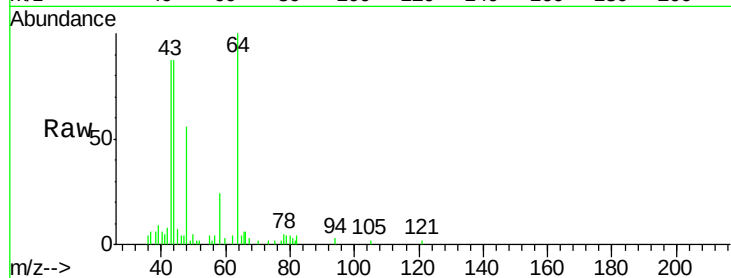
ClientSampleId :

Tot Ion: 43 Resp: 3857

Ion Ratio Lower Upper

43 100

58 29.3 22.1 33.1



#17

Carbon Disulfide

Concen: 0.60 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX002851.D

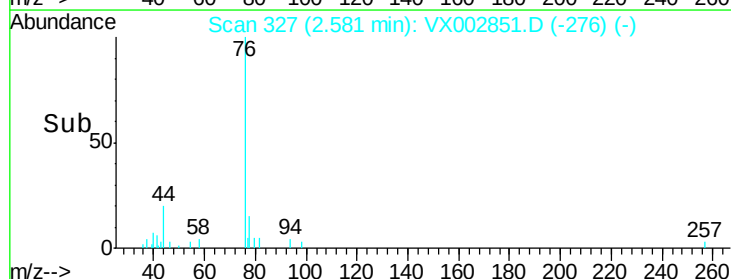
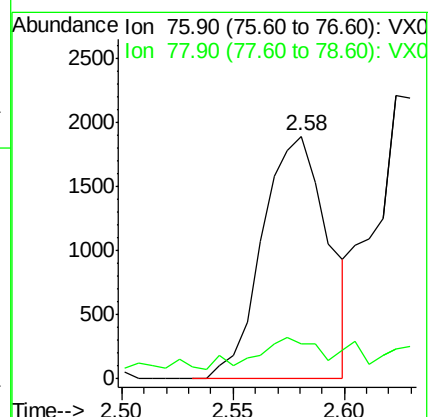
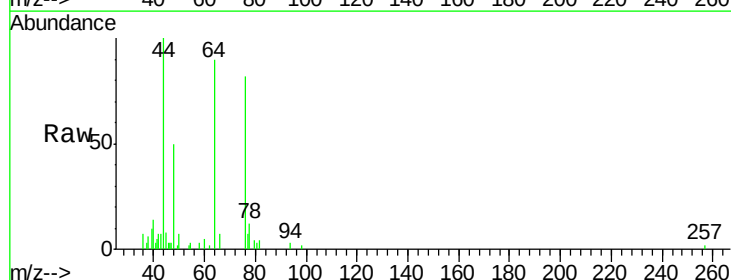
Acq: 23 Jun 2018 00:24

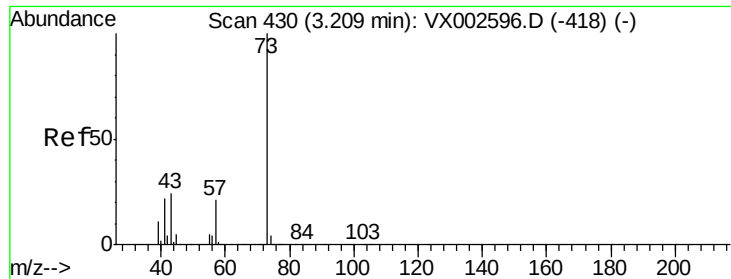
Tgt Ion: 76 Resp: 3866

Ion Ratio Lower Upper

76 100

78 9.6 6.9 10.3



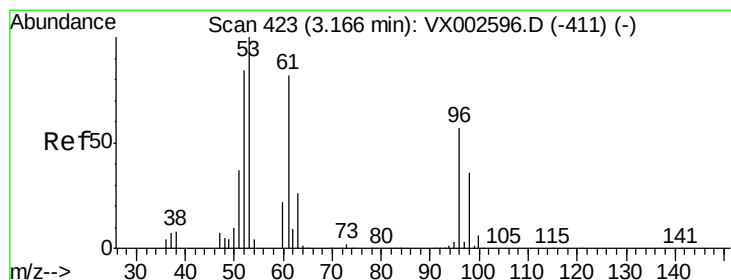
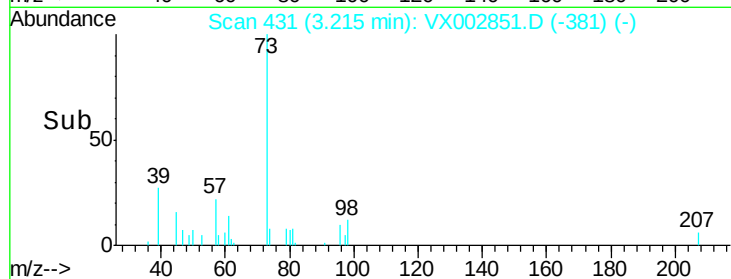
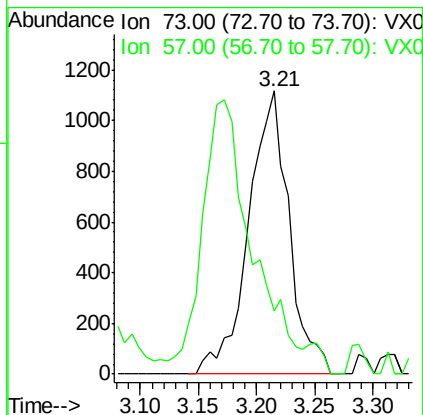
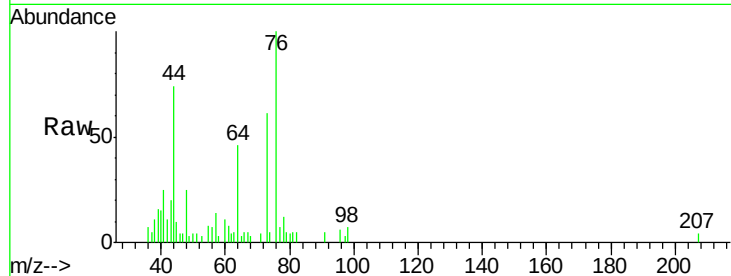


#19

Methyl tert-butyl Ether
 Concen: 0.26 ug/l
 RT: 3.21 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

Instrument :
 MSVOA_X
 ClientSampled :

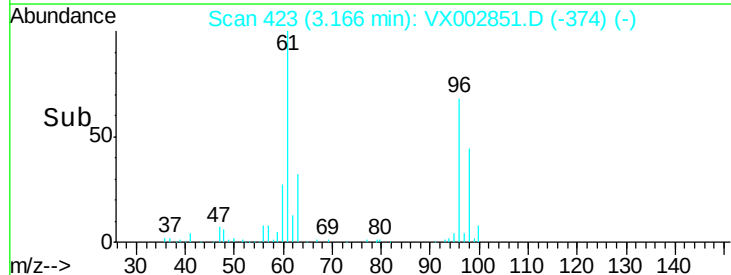
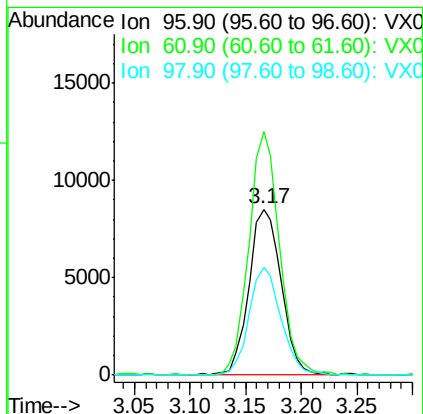
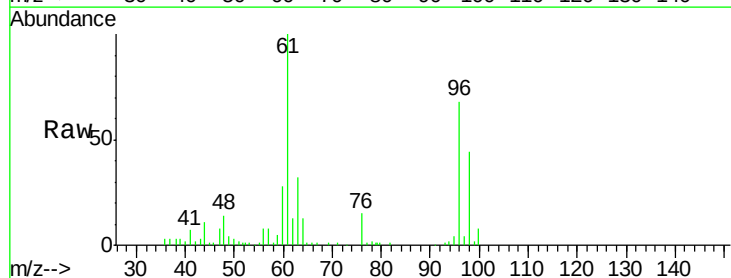
Tot Ion: 73 Resp: 2692
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.7 26.5

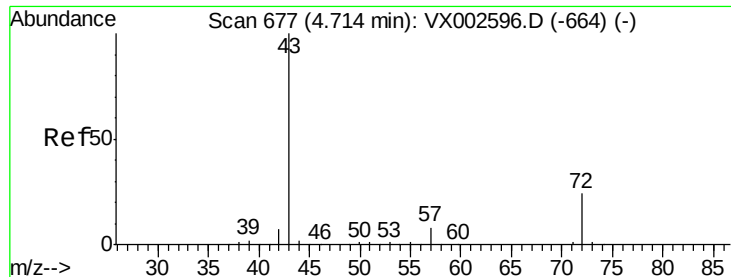


#21

trans-1,2-Dichloroethene
 Concen: 5.87 ug/l
 RT: 3.17 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

Tgt Ion: 96 Resp: 17292
 Ion Ratio Lower Upper
 96 100
 61 146.8 117.0 175.4
 98 65.2 52.4 78.6





#25

2-Butanone

Concen: 0.58 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

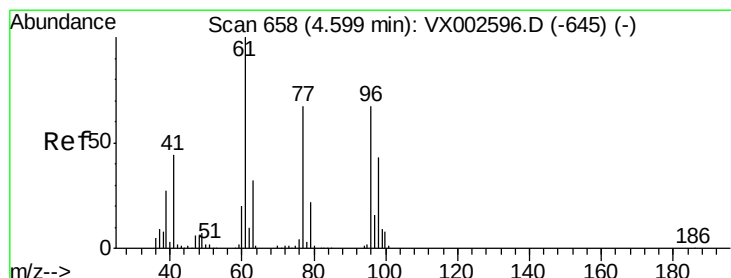
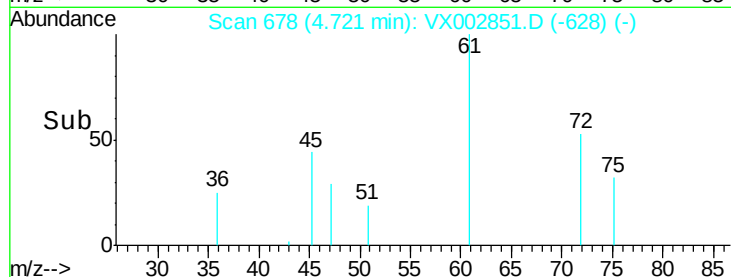
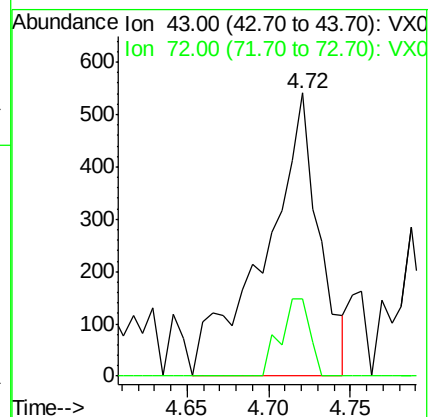
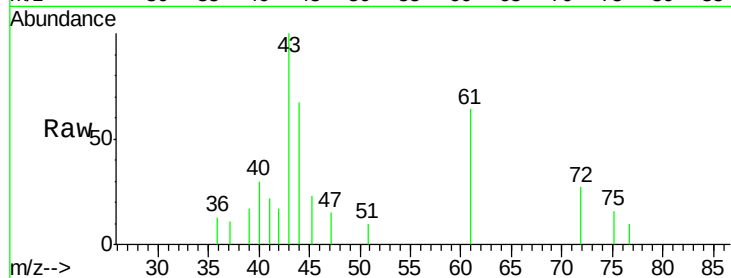
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 1232

Ion Ratio Lower Upper

43 100

72 27.2 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 2.21 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

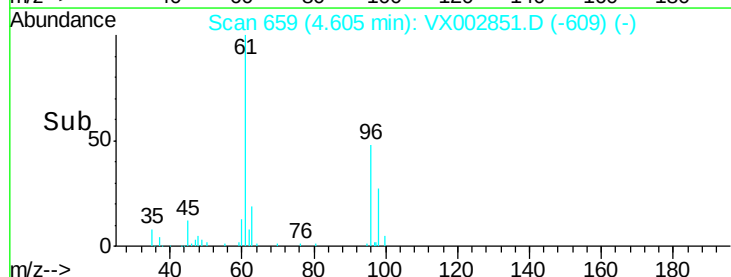
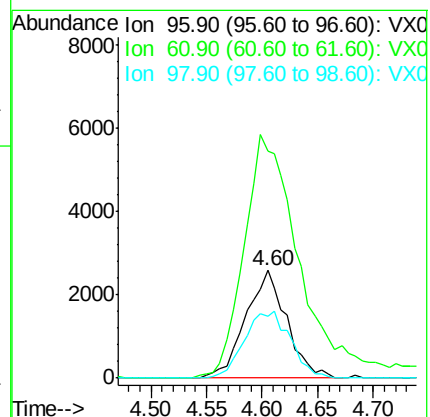
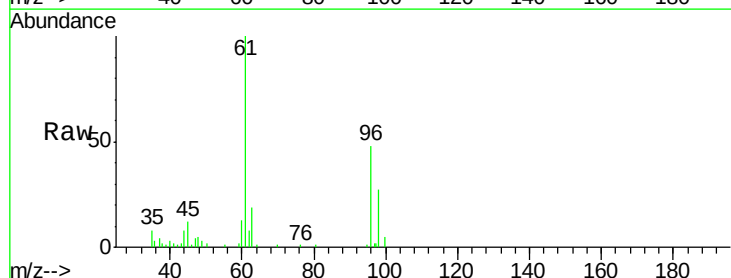
Tgt Ion: 96 Resp: 6630

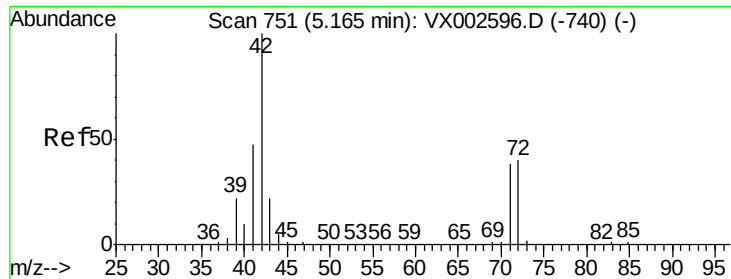
Ion Ratio Lower Upper

96 100

61 306.3 0.0 330.2

98 69.3 0.0 130.2

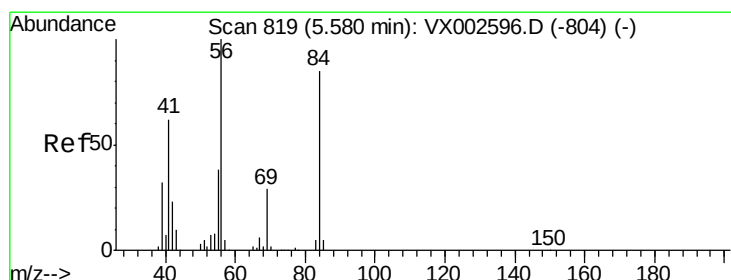
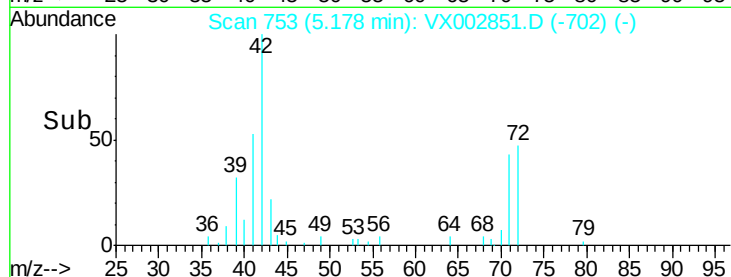
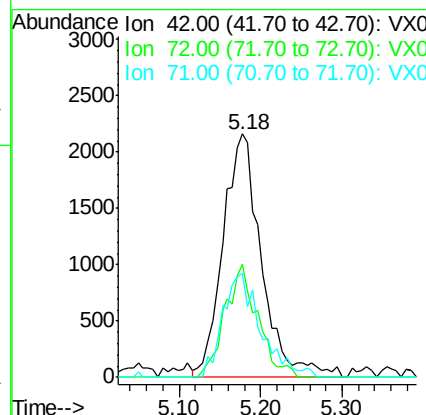
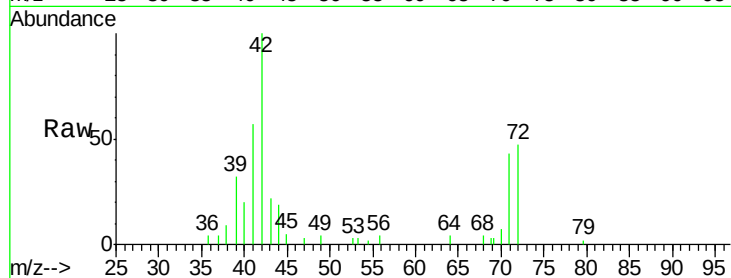




#29
Tetrahydrofuran
Concen: 5.05 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

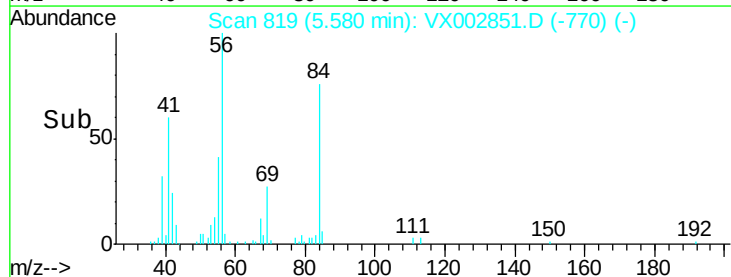
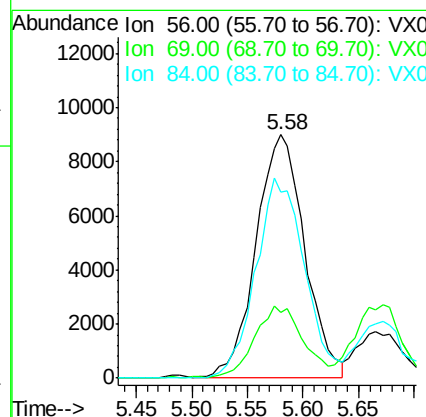
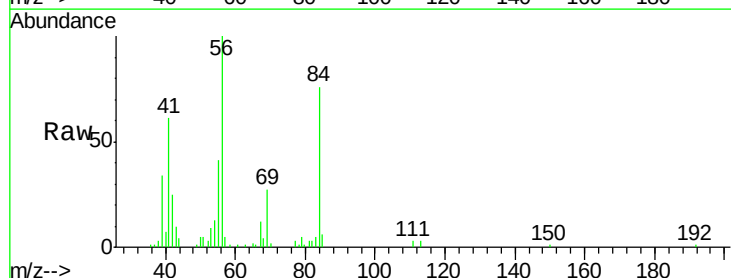
Instrument :
MSVOA_X
ClientSampled :

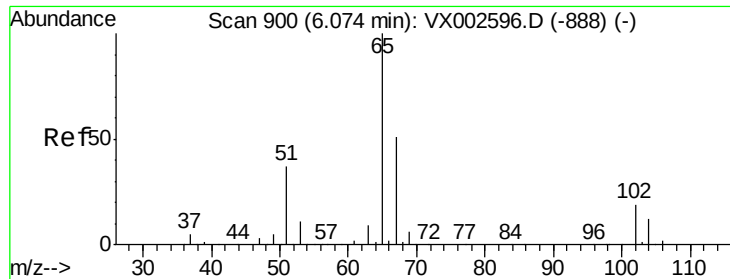
Tot Ion: 42 Resp: 7083
Ion Ratio Lower Upper
42 100
72 39.8 32.0 48.0
71 41.3 30.1 45.1



#31
Cyclohexane
Concen: 6.30 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion: 56 Resp: 27428
Ion Ratio Lower Upper
56 100
69 26.3 23.7 35.5
84 76.3 64.1 96.1

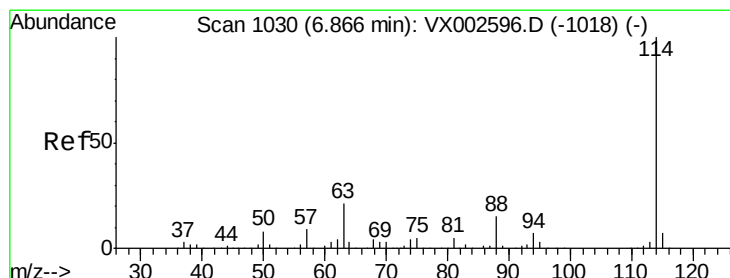
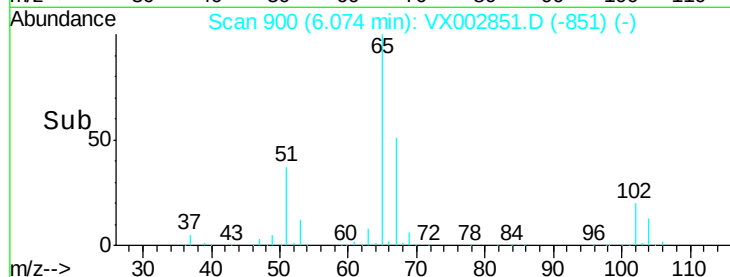
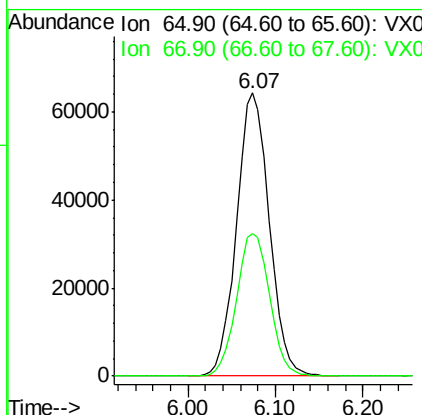
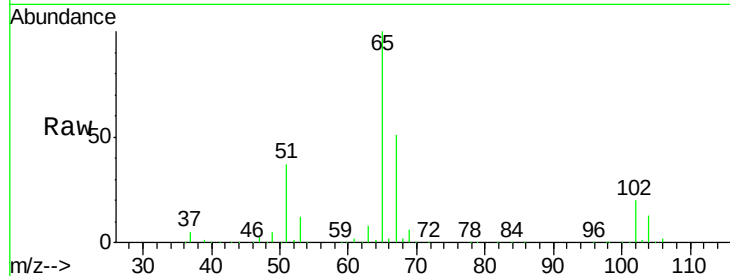




#33
 1,2-Dichloroethane-d4
 Concen: 45.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

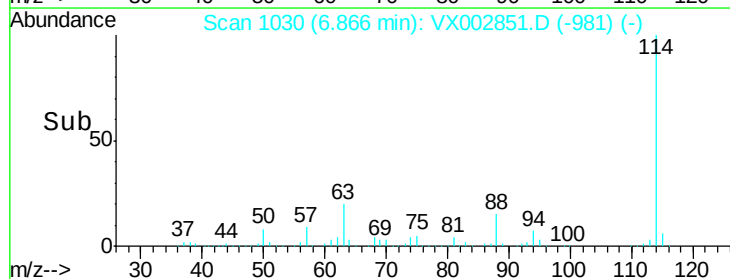
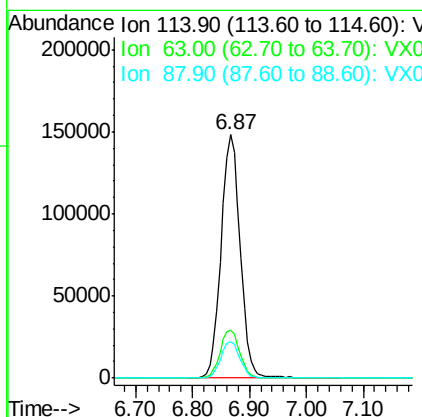
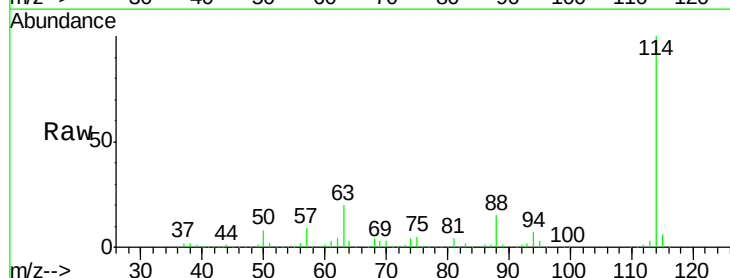
Instrument :
 MSVOA_X
 ClientSampleId :

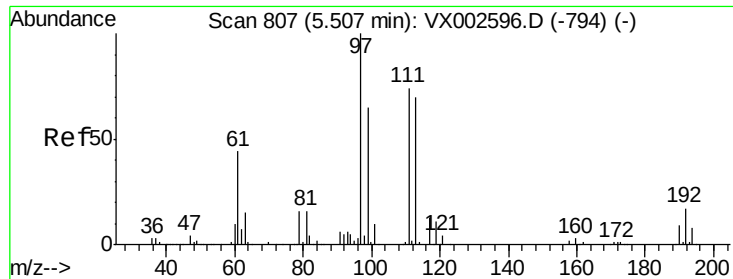
Tot Ion: 65 Resp: 167078
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

Tgt Ion:114 Resp: 345930
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 14.6 0.0 30.0

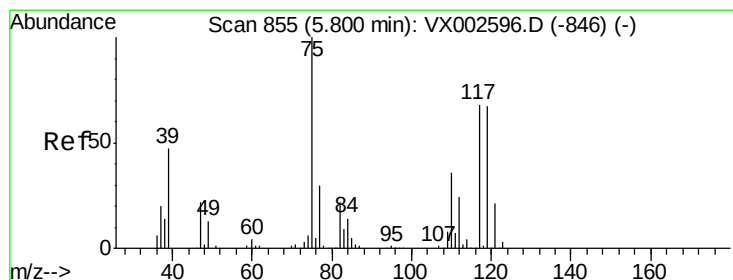
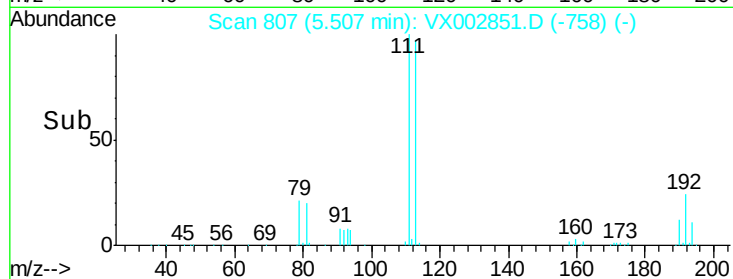
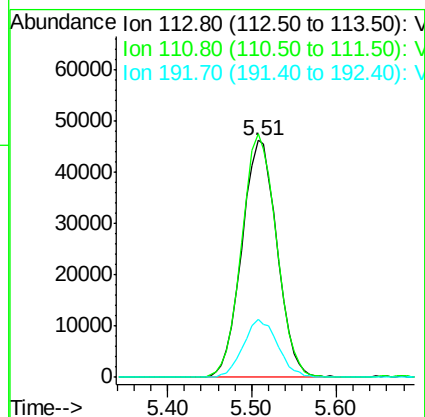
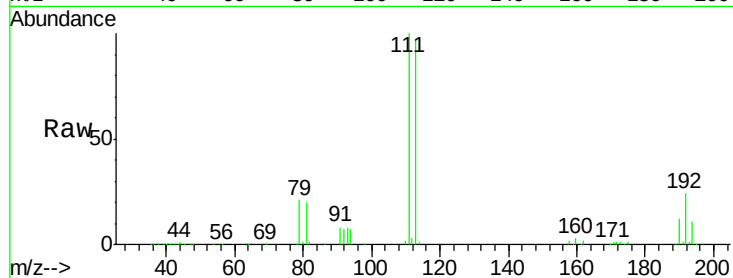




#35
 Dibromofluoromethane
 Concen: 47.29 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

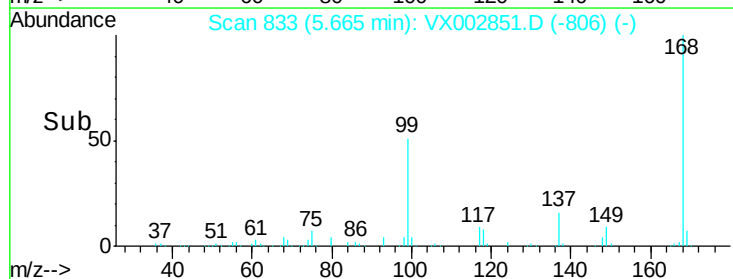
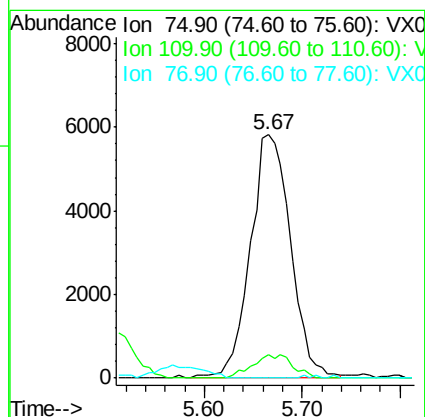
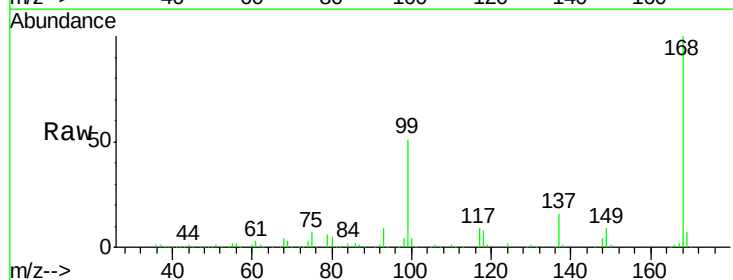
Instrument :
 MSVOA_X
 ClientSampled :

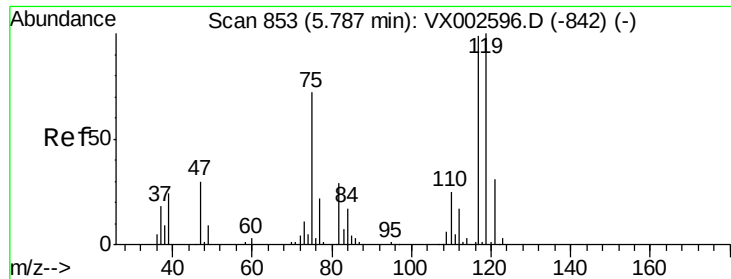
Tot Ion:113 Resp: 130563
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.4 122.0
 192 24.1 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.52 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

Tgt Ion: 75 Resp: 16624
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.4#
 77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 5.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

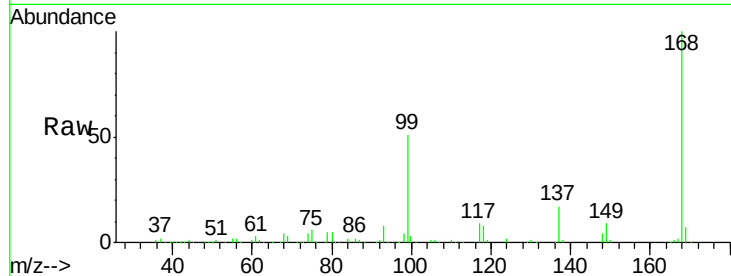
Tot Ion:117 Resp: 21899

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

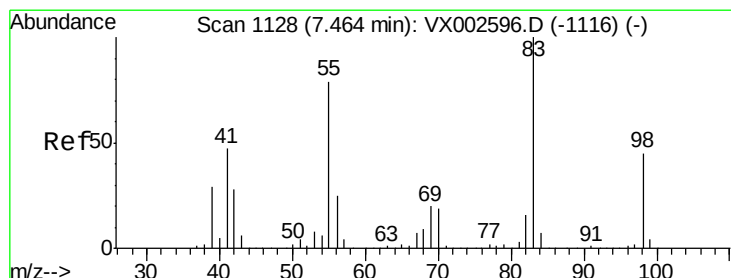
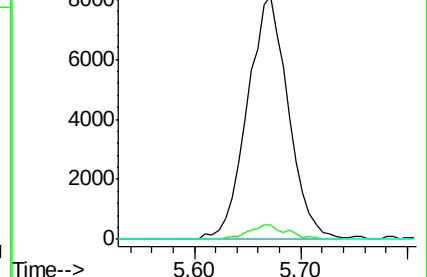
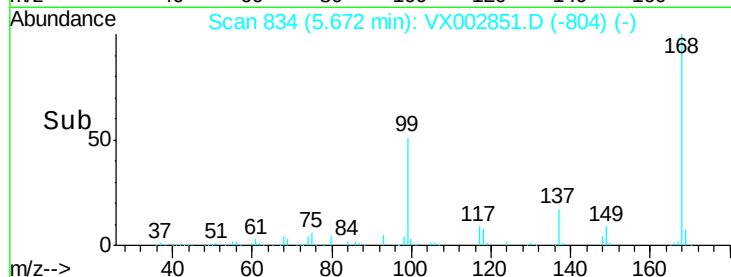
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 2.33 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

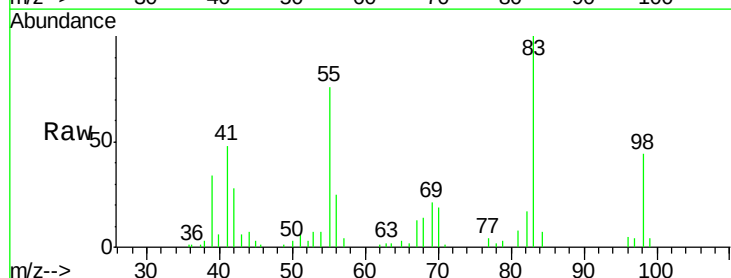
Tgt Ion: 83 Resp: 10004

Ion Ratio Lower Upper

83 100

55 74.4 65.4 98.0

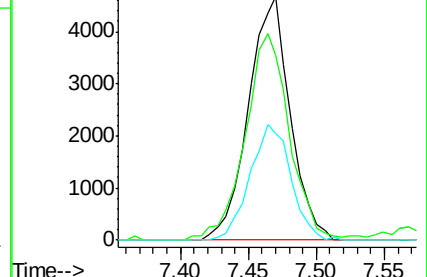
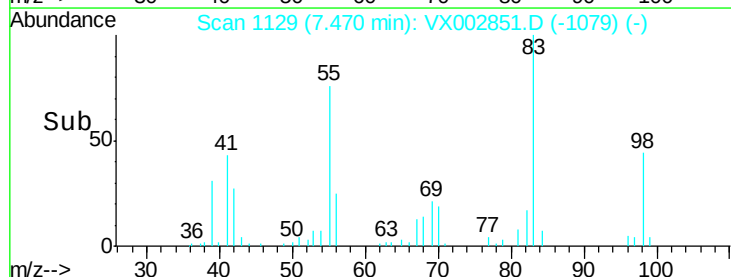
98 43.6 37.4 56.0

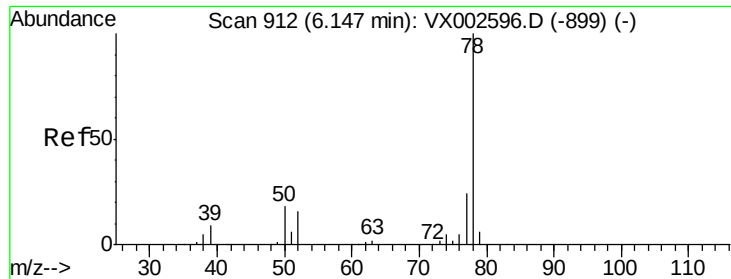


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 116.96 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

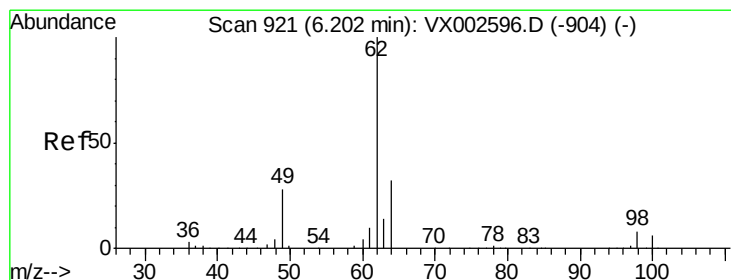
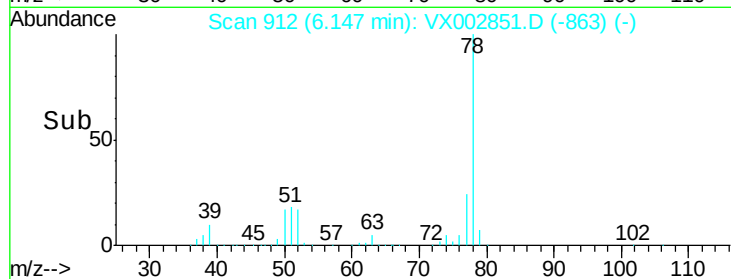
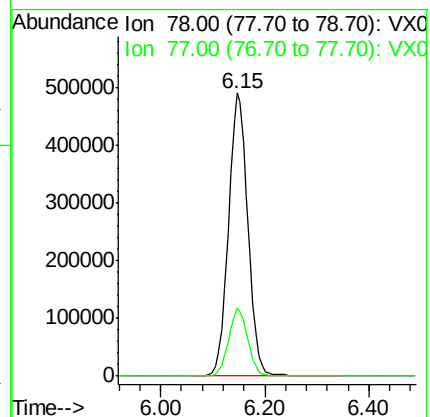
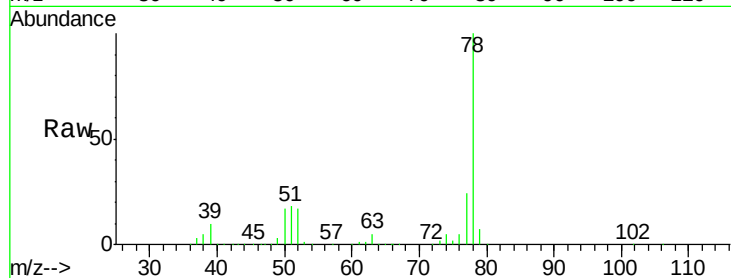
ClientSampled :

Tot Ion: 78 Resp: 1288513

Ion Ratio Lower Upper

78 100

77 24.1 19.1 28.7



#42

1,2-Dichloroethane

Concen: 2.93 ug/l

RT: 6.15 min Scan# 913

Delta R.T. -0.05 min

Lab File: VX002851.D

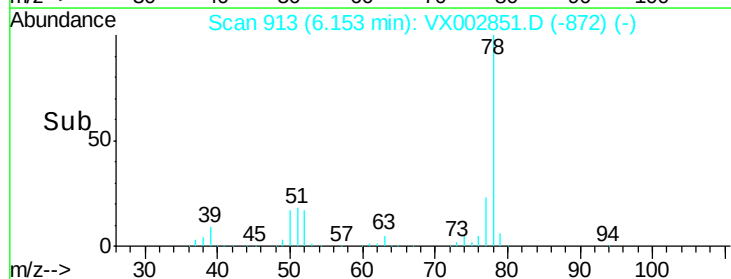
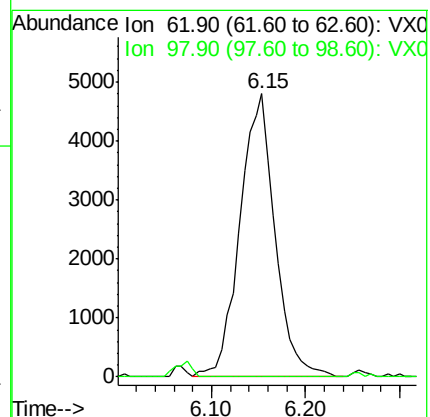
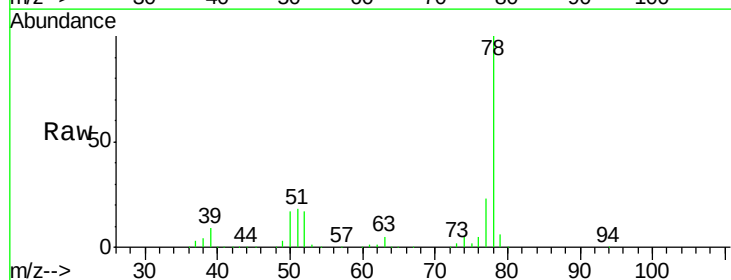
Acq: 23 Jun 2018 00:24

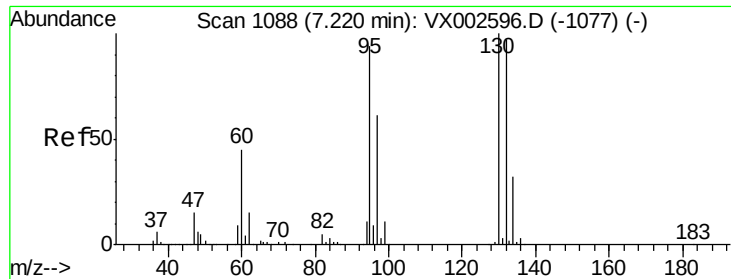
Tgt Ion: 62 Resp: 12478

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#44

Trichloroethene

Concen: 0.93 ug/l

RT: 7.21 min Scan# 1087

Delta R.T. -0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

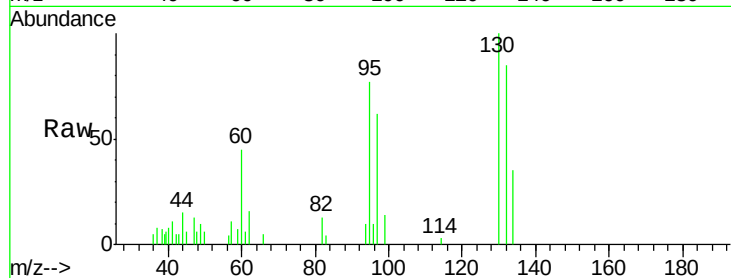
ClientSampled :

Tot Ion:130 Resp: 2953

Ion Ratio Lower Upper

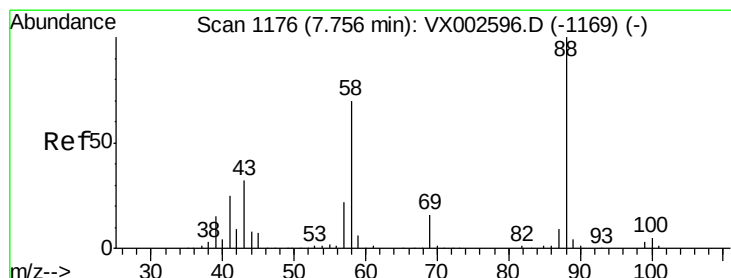
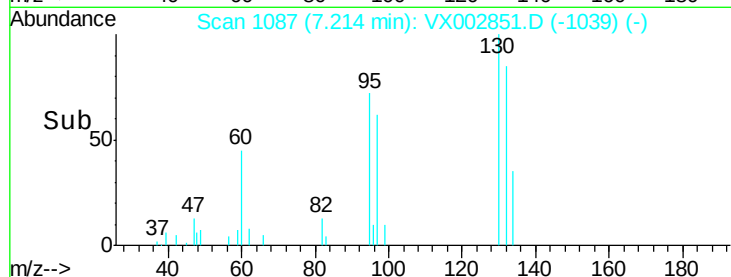
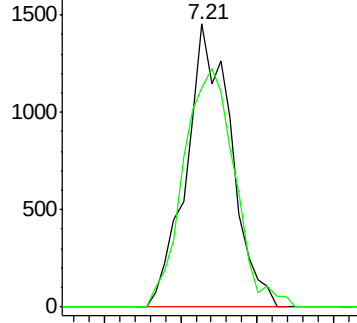
130 100

95 77.4 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.33 ug/l

RT: 7.64 min Scan# 1157

Delta R.T. -0.12 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

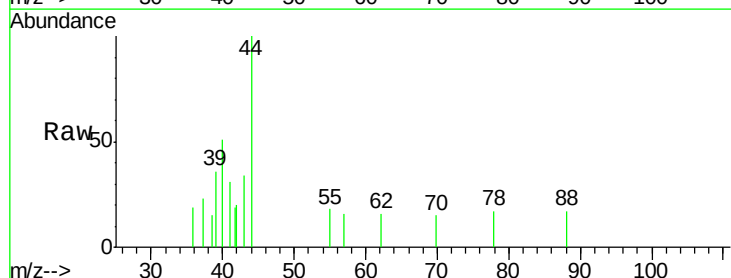
Tgt Ion: 88 Resp: 22

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

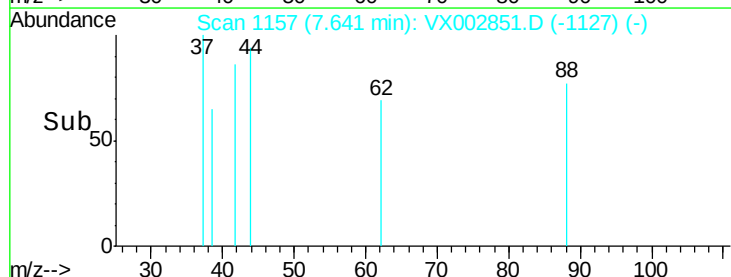
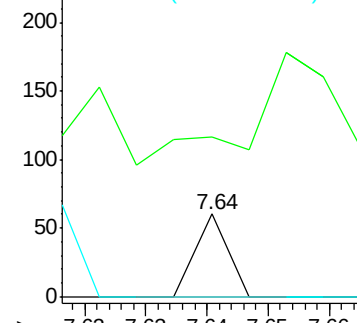
58 0.0 57.1 85.7#

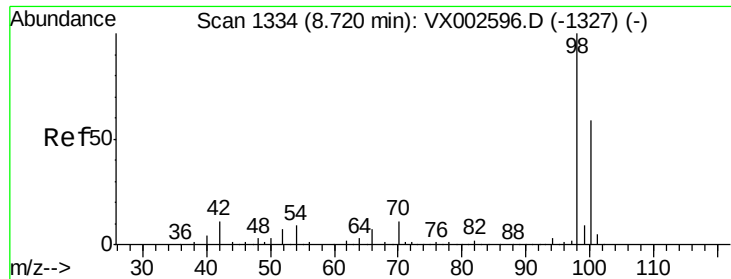


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

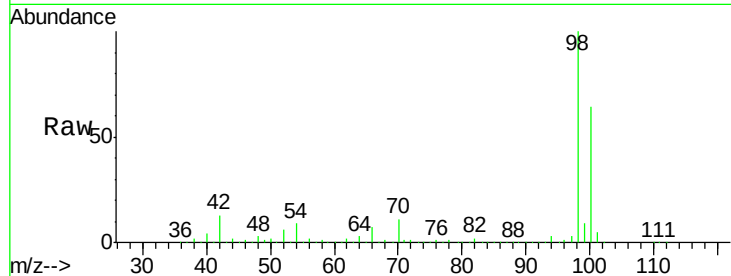




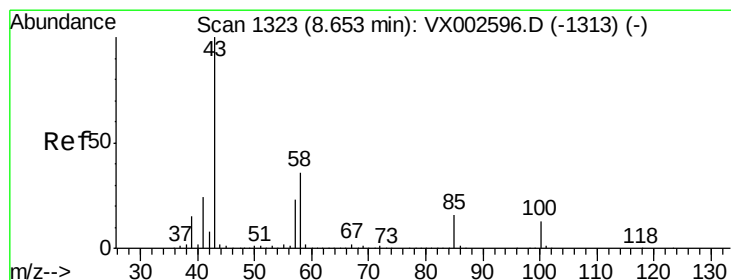
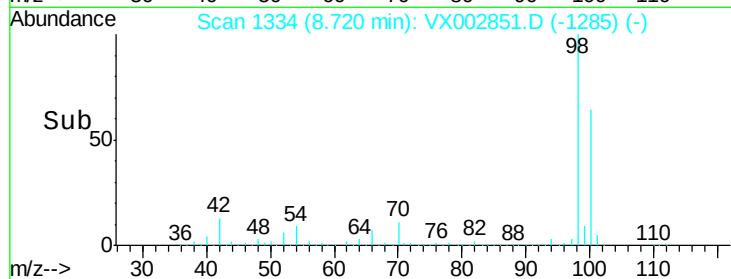
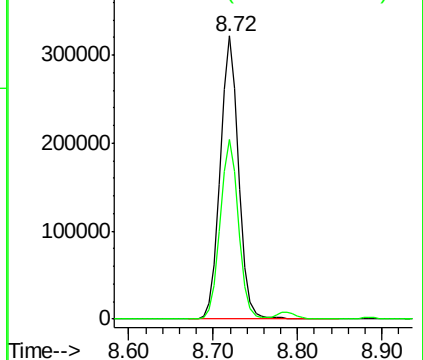
#50
Toluene-d8
Concen: 46.36 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 485958
Ion Ratio Lower Upper
98 100
100 63.2 50.9 76.3

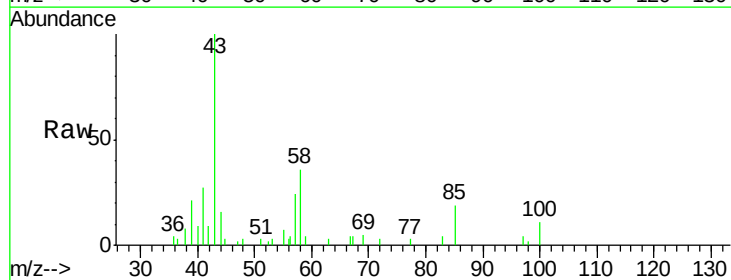


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

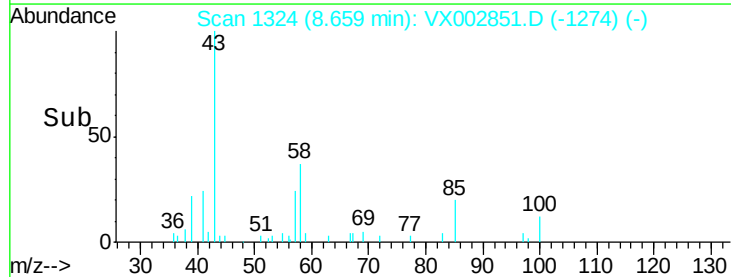
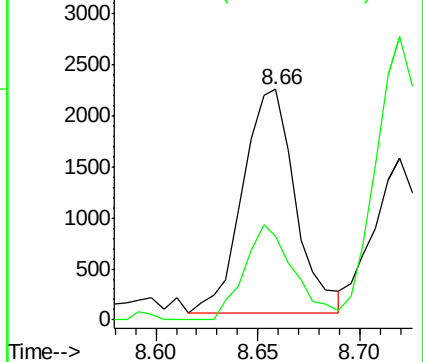


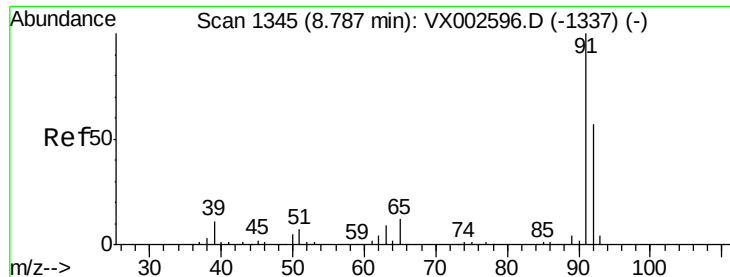
#51
4-Methyl-2-Pentanone
Concen: 0.89 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.01 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion: 43 Resp: 3943
Ion Ratio Lower Upper
43 100
58 40.4 28.6 42.8



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





#52

Toluene

Concen: 0.42 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

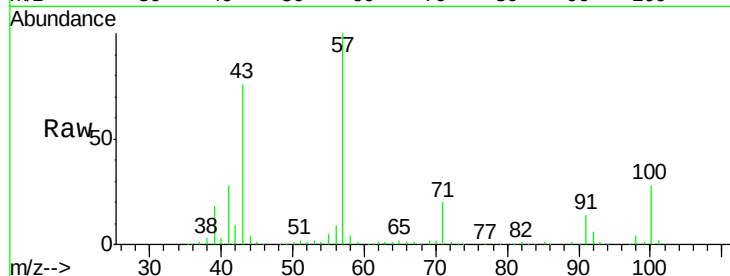
ClientSampled :

Tot Ion: 92 Resp: 2928

Ion Ratio Lower Upper

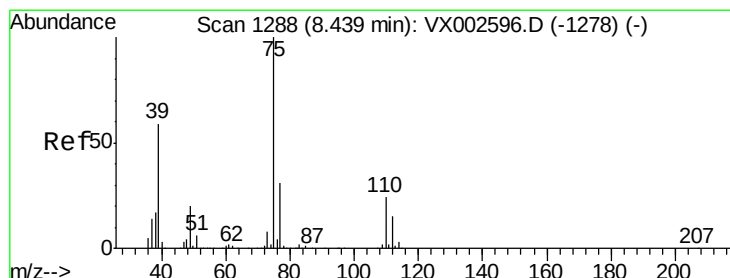
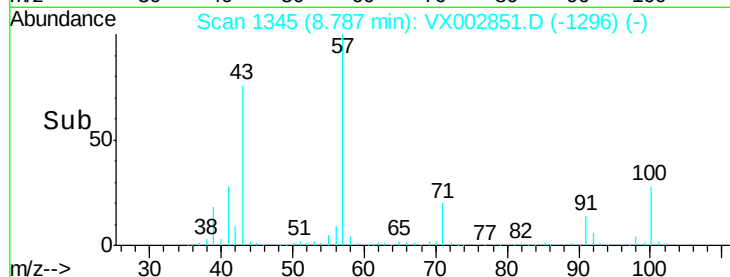
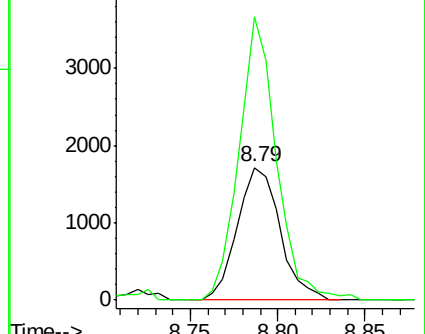
92 100

91 186.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.40 min Scan# 1282

Delta R.T. -0.04 min

Lab File: VX002851.D

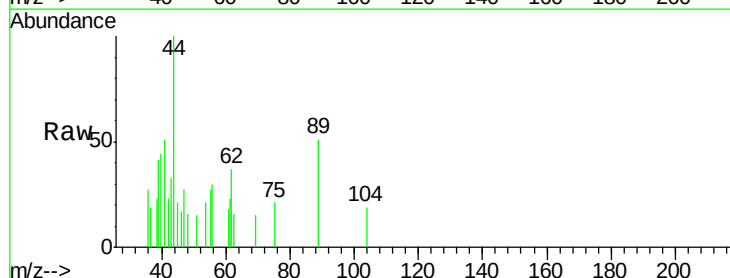
Acq: 23 Jun 2018 00:24

Tgt Ion: 75 Resp: 28

Ion Ratio Lower Upper

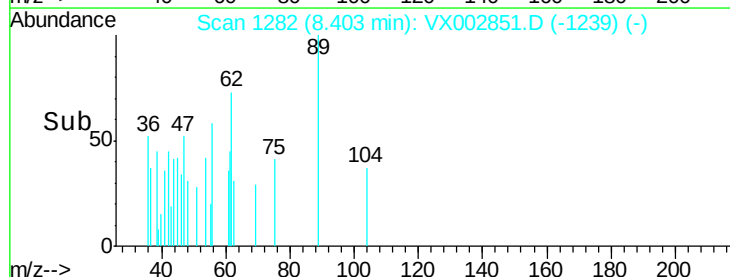
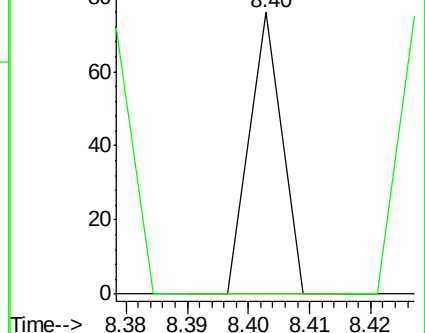
75 100

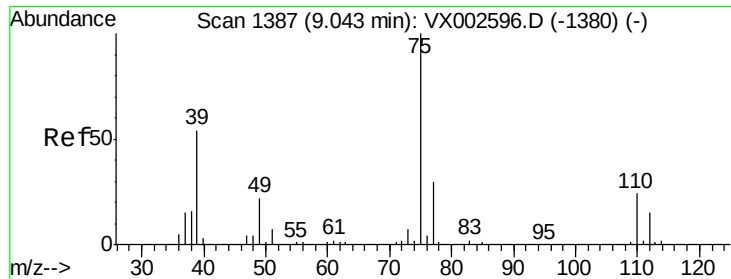
77 0.0 25.4 38.2#



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: 3.22 ug/l

RT: 9.04 min Scan# 1386

Delta R.T. -0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

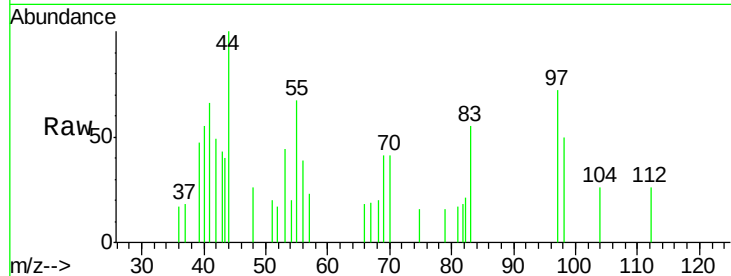
Tot Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 0.0 42.4 63.6#



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

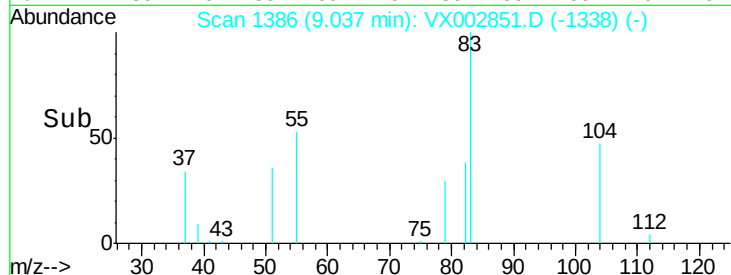
Ion 39.00 (38.70 to 39.70): VX0

Ion 74.90 (74.60 to 75.60): VX0

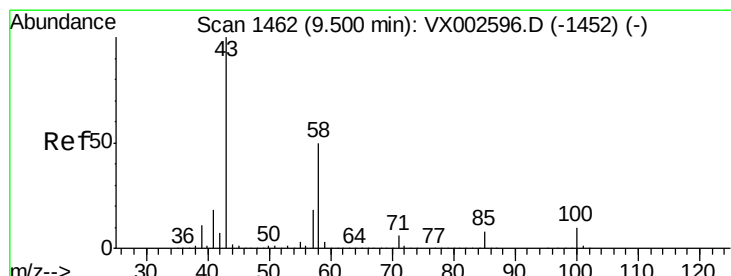
Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 74.90 (74.60 to 75.60): VX0



Time-->



#59

2-Hexanone

Concen: 0.35 ug/l

RT: 9.52 min Scan# 1465

Delta R.T. 0.02 min

Lab File: VX002851.D

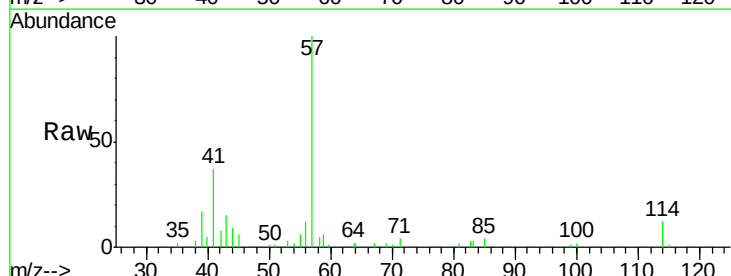
Acq: 23 Jun 2018 00:24

Tgt Ion: 43 Resp: 1167

Ion Ratio Lower Upper

43 100

58 53.2 24.6 73.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

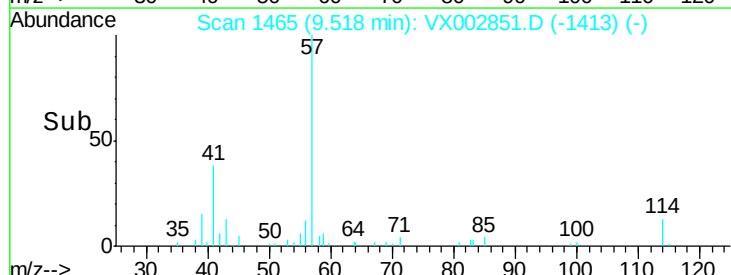
Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

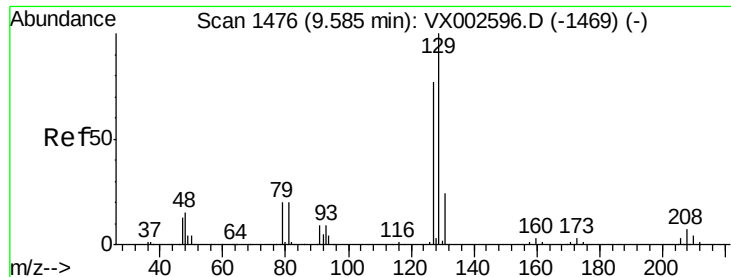
Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 3.83 ug/l

RT: 9.35 min Scan# 1437

Delta R.T. -0.24 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

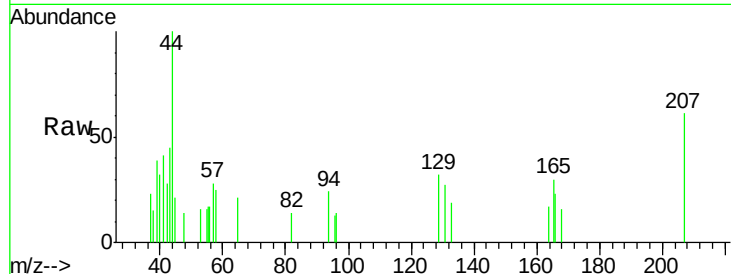
ClientSampled :

Tot Ion:129 Resp: 229

Ion Ratio Lower Upper

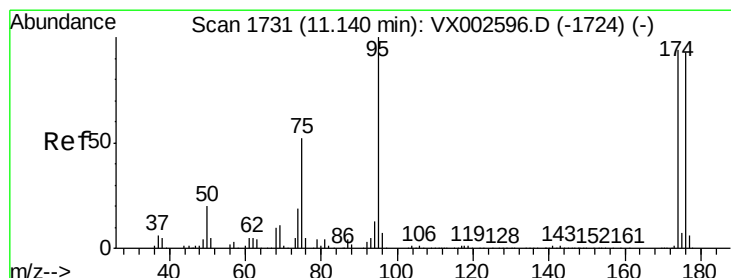
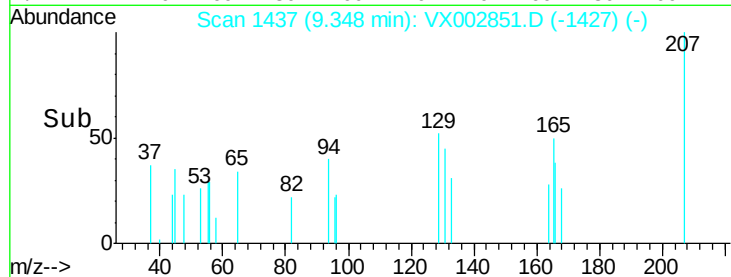
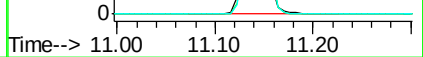
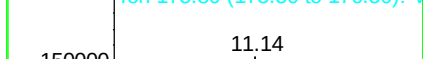
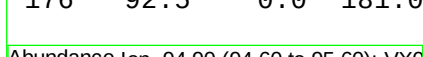
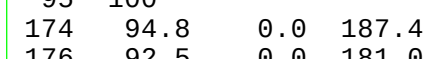
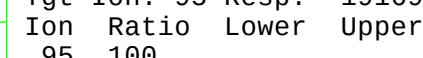
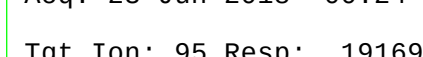
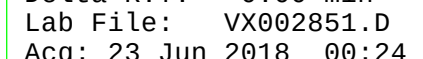
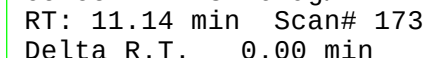
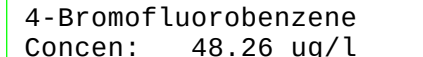
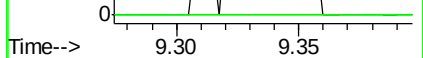
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.26 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

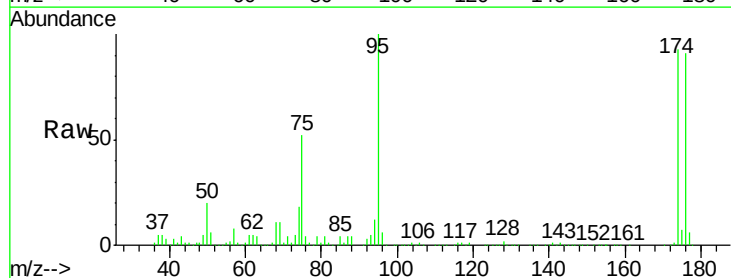
Tgt Ion: 95 Resp: 191691

Ion Ratio Lower Upper

95 100

174 94.8 0.0 187.4

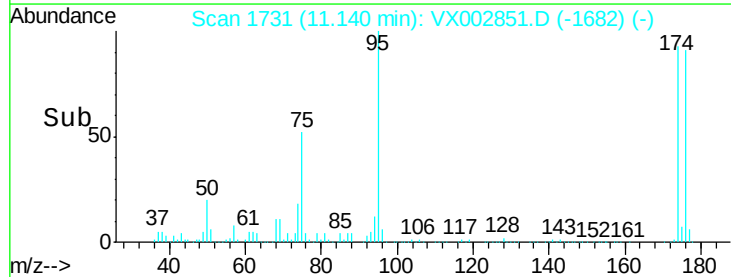
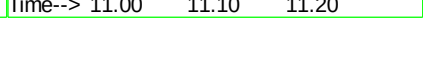
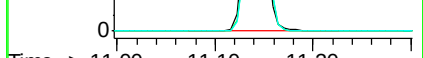
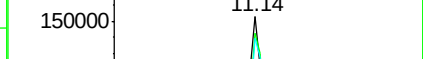
176 92.5 0.0 181.0

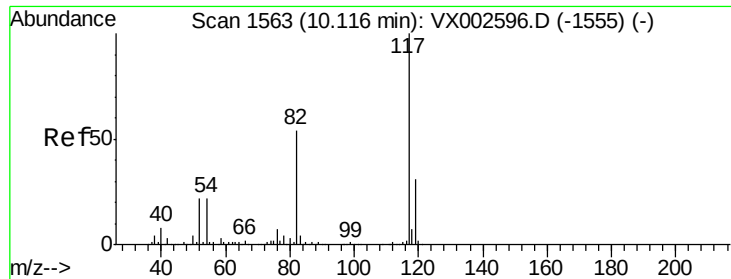


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

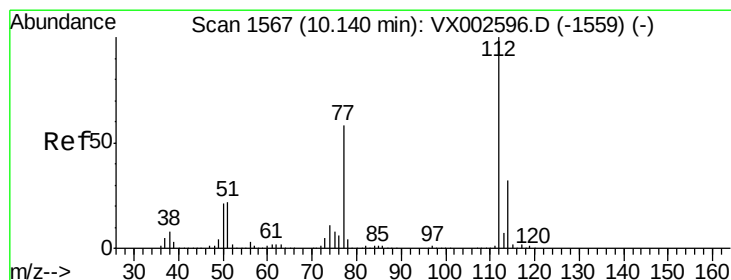
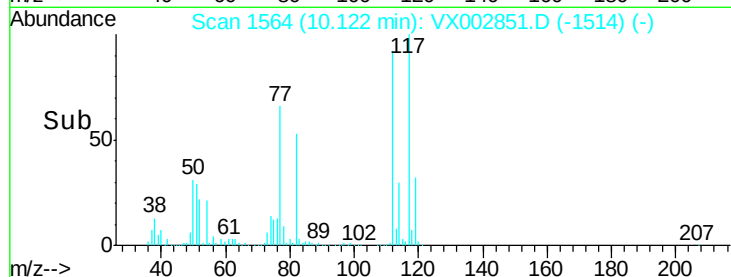
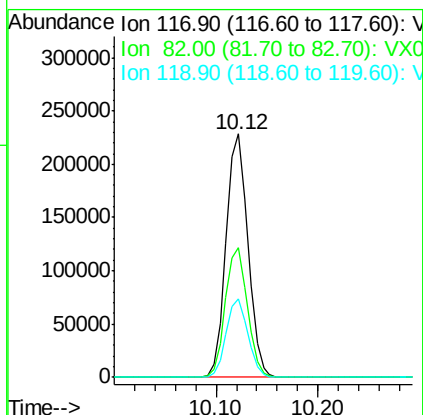
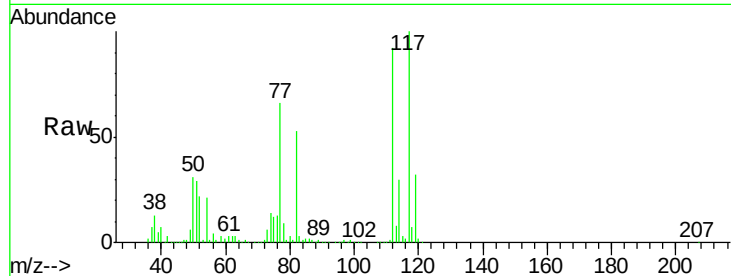




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

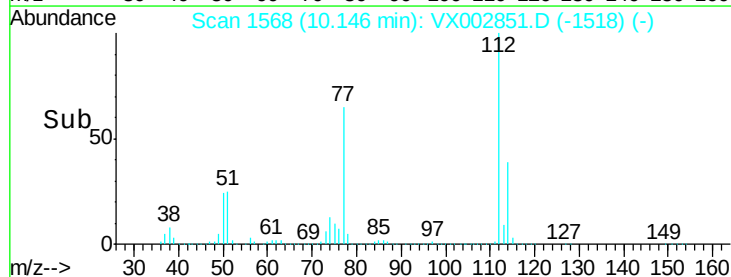
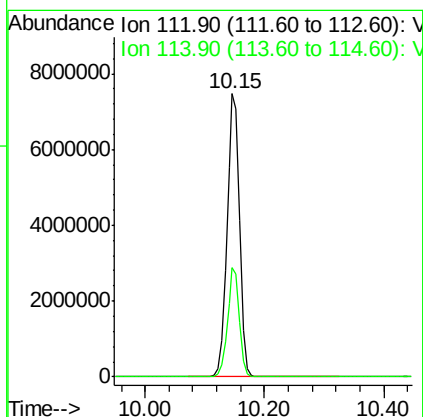
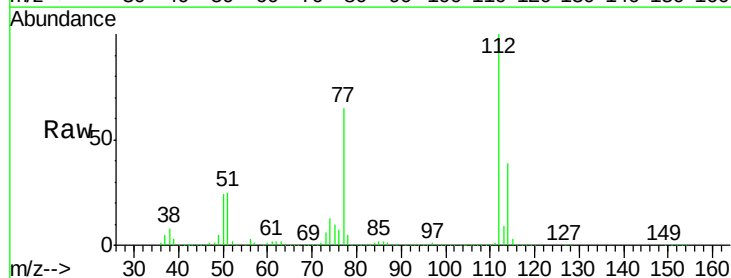
Instrument :
MSVOA_X
ClientSampleId :

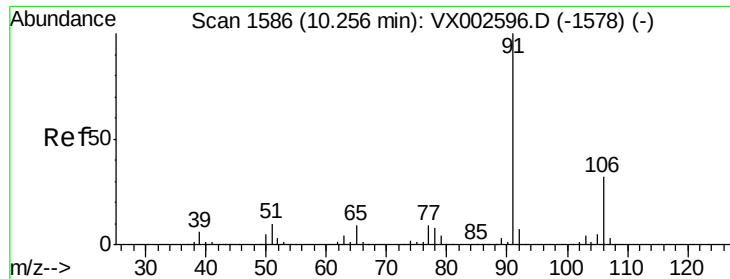
Tot Ion:117 Resp: 338470
Ion Ratio Lower Upper
117 100
82 53.3 45.0 67.4
119 32.3 25.8 38.6



#65
Chlorobenzene
Concen: 1313.45 ug/l
RT: 10.15 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion:112 Resp:10917841
Ion Ratio Lower Upper
112 100
114 38.8 25.3 37.9#





#67

Ethyl Benzene

Concen: 57.33 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

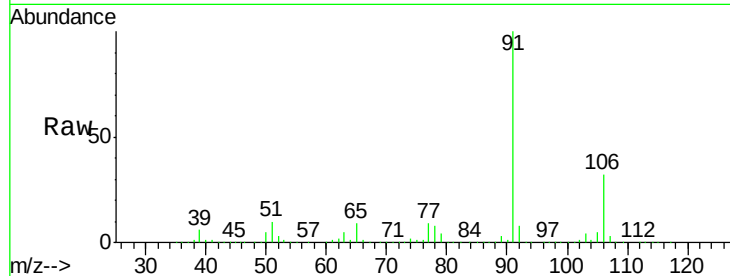
ClientSampleId :

Tot Ion: 91 Resp: 803802

Ion Ratio Lower Upper

91 100

106 31.8 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.26

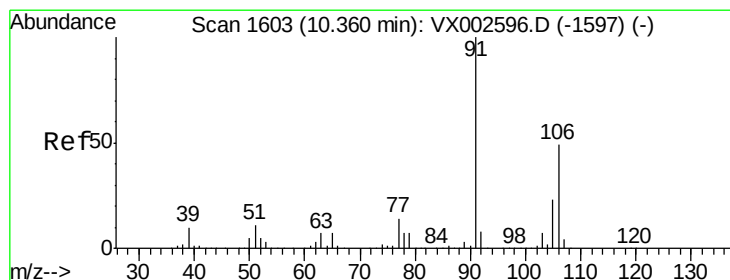
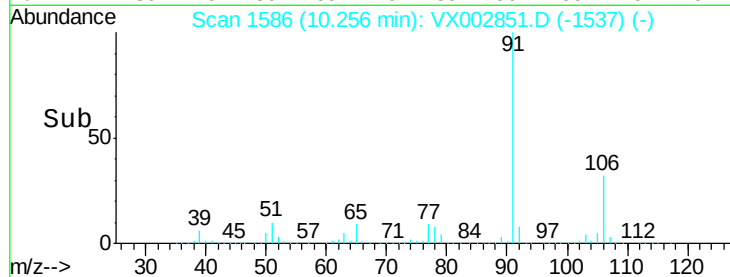
600000

400000

200000

0

Time-->



#68

m/p-Xylenes

Concen: 9.11 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX002851.D

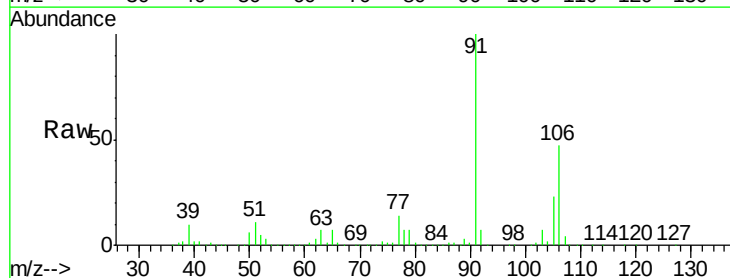
Acq: 23 Jun 2018 00:24

Tgt Ion: 106 Resp: 49259

Ion Ratio Lower Upper

106 100

91 205.7 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

10.36

80000

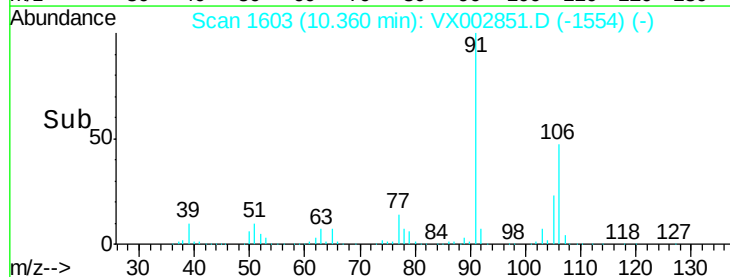
60000

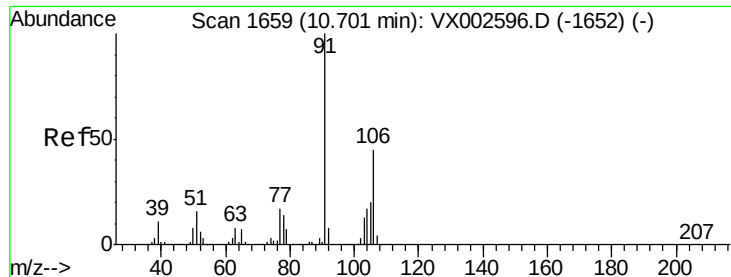
40000

20000

0

Time-->

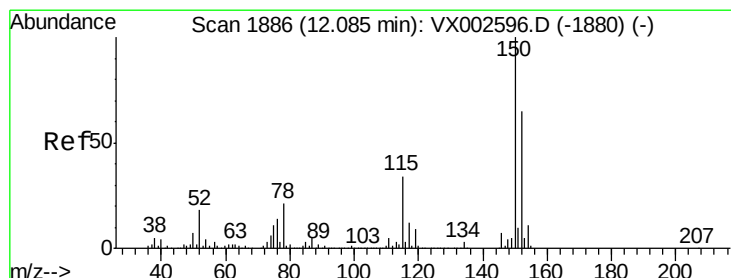
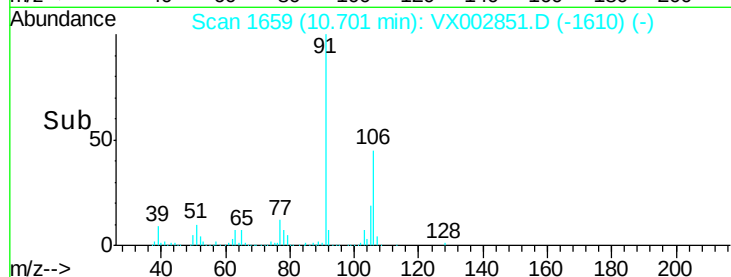
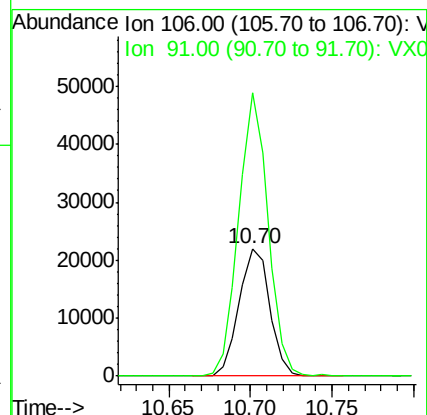
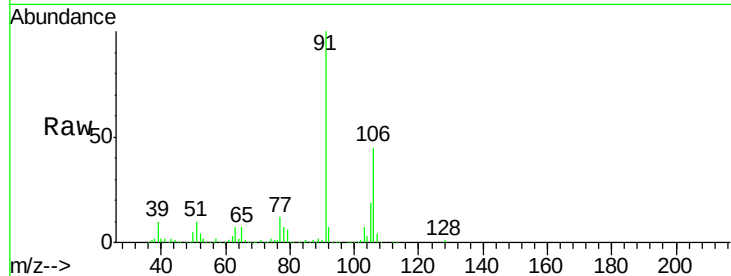




#69
o-Xylene
Concen: 5.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

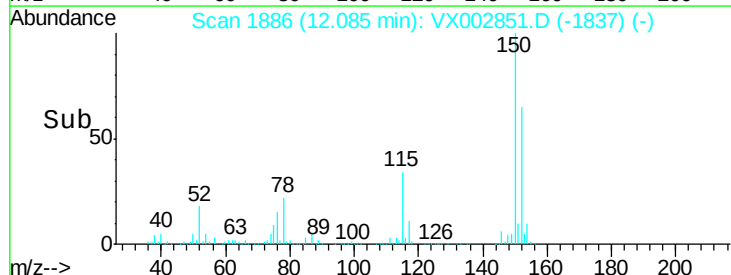
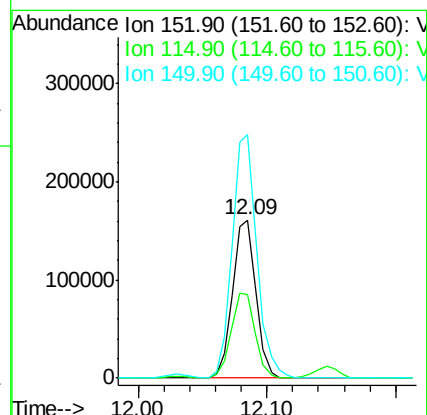
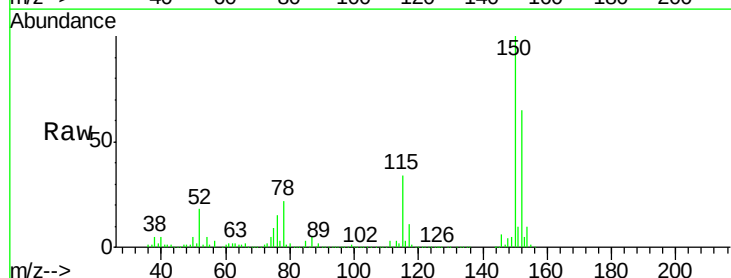
Instrument :
MSVOA_X
ClientSampled :

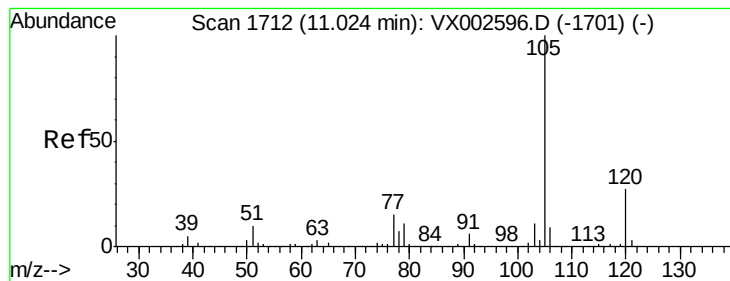
Tot Ion:106 Resp: 28993
Ion Ratio Lower Upper
106 100
91 212.7 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion:152 Resp: 205221
Ion Ratio Lower Upper
152 100
115 54.9 40.1 120.2
150 162.8 0.0 347.2





#73

Isopropylbenzene

Concen: 7.38 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

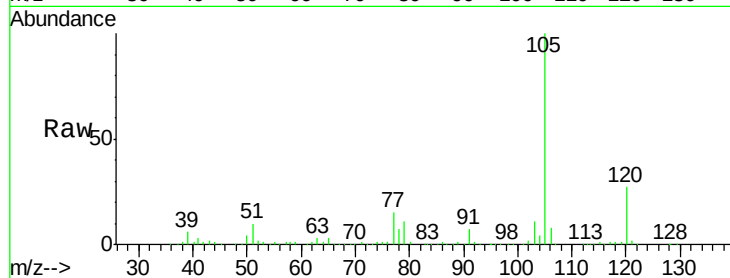
ClientSampleId :

Tot Ion:105 Resp: 101297

Ion Ratio Lower Upper

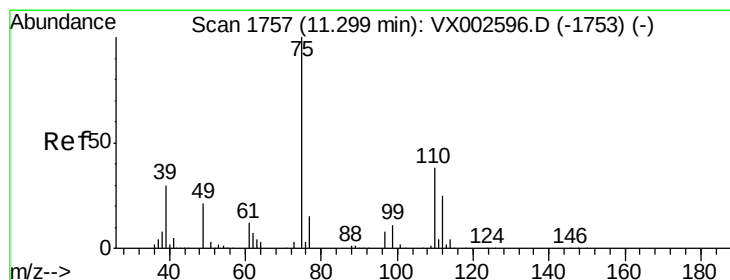
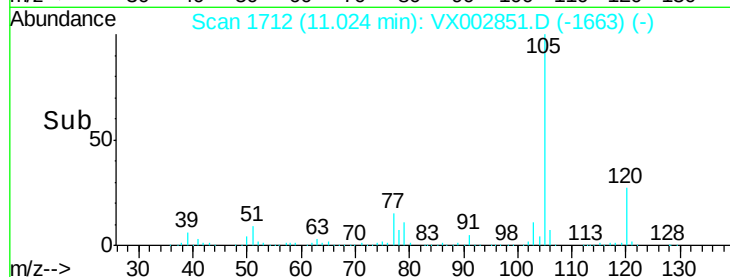
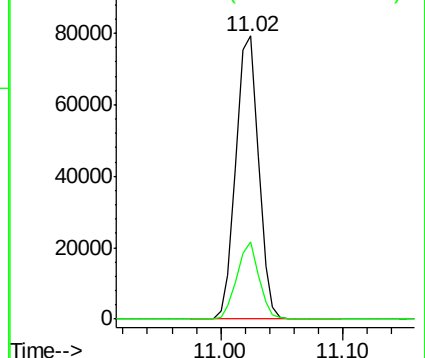
105 100

120 26.5 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: 25.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002851.D

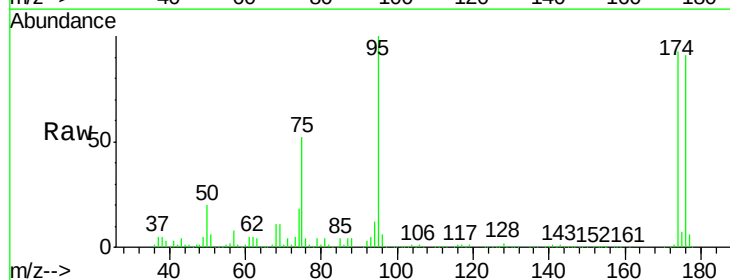
Acq: 23 Jun 2018 00:24

Tgt Ion: 75 Resp: 99697

Ion Ratio Lower Upper

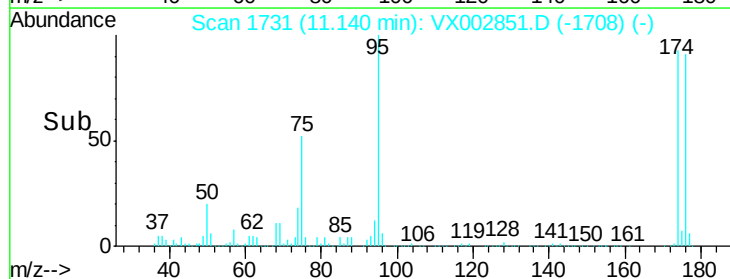
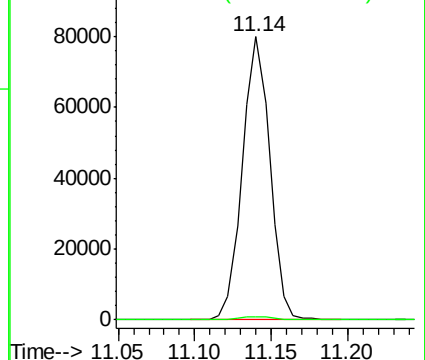
75 100

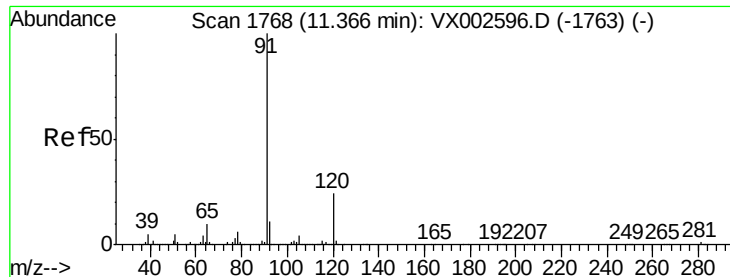
77 1.5 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 6.48 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

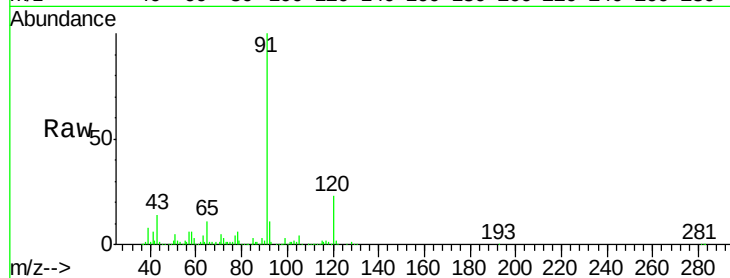
ClientSampleId :

Tot Ion: 91 Resp: 102015

Ion Ratio Lower Upper

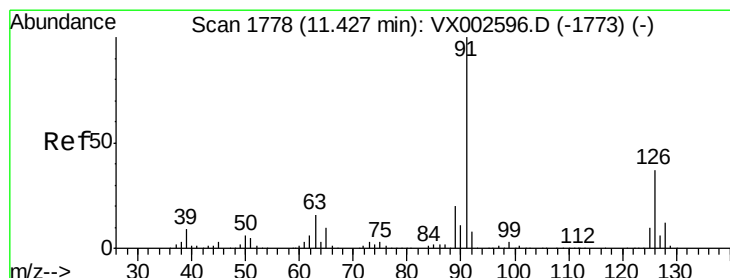
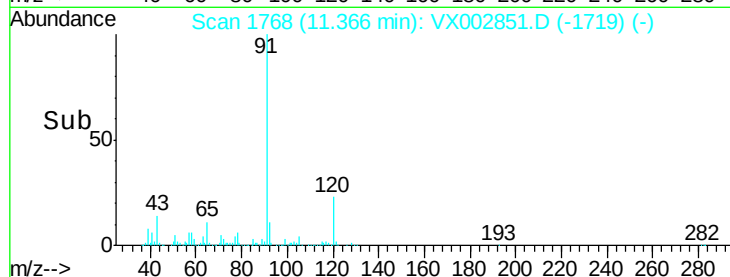
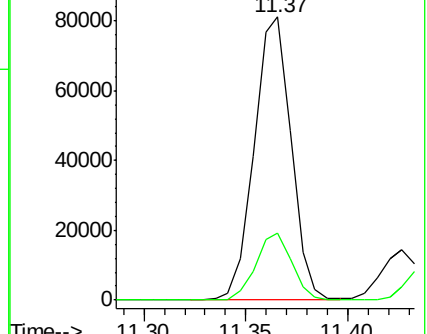
91 100

120 23.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 2.38 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002851.D

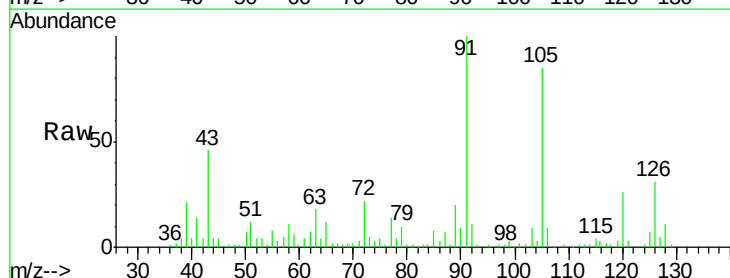
Acq: 23 Jun 2018 00:24

Tgt Ion: 91 Resp: 22414

Ion Ratio Lower Upper

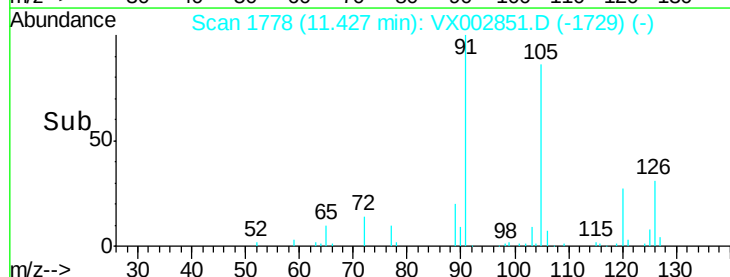
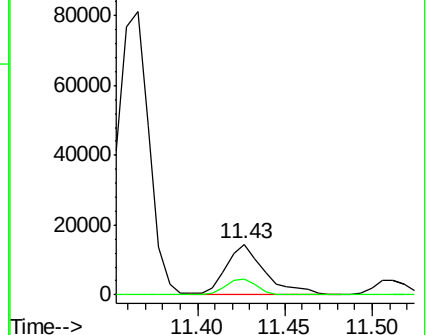
91 100

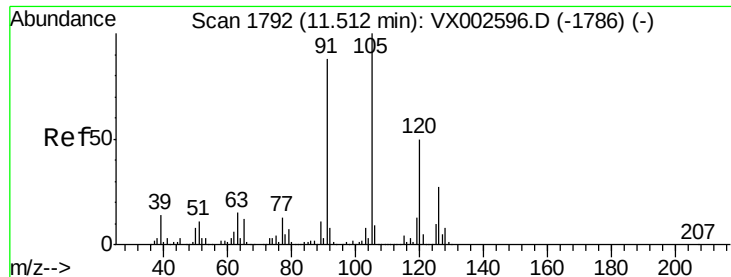
126 26.4 17.7 53.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 3.77 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

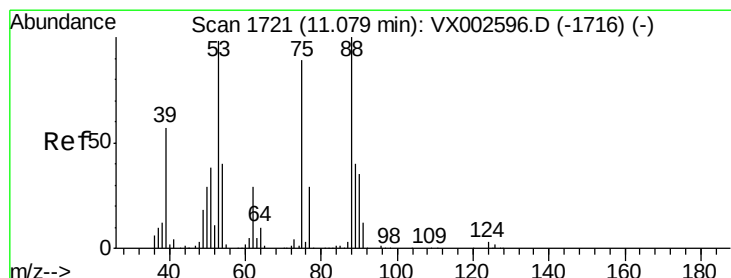
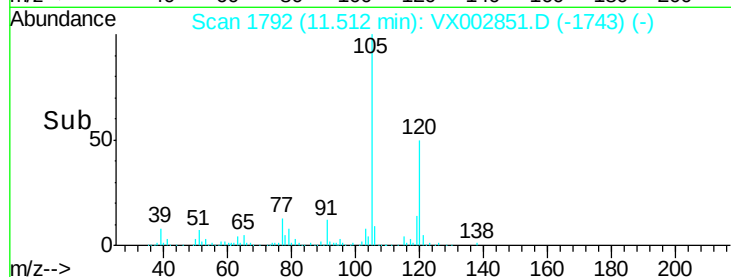
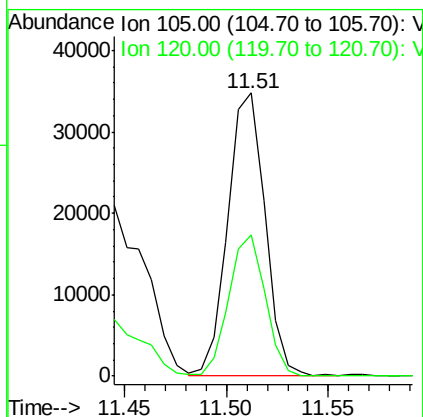
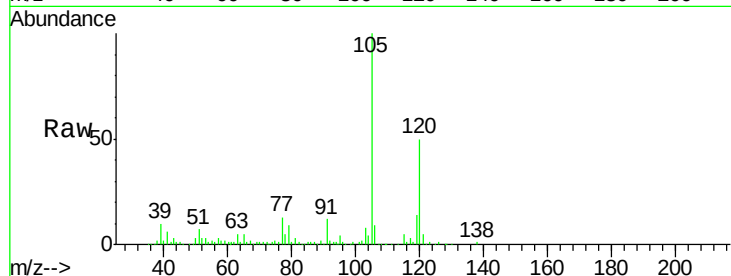
ClientSampleId :

Tot Ion:105 Resp: 43680

Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 79.67 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

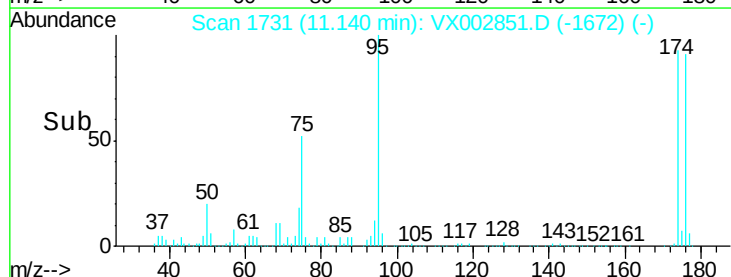
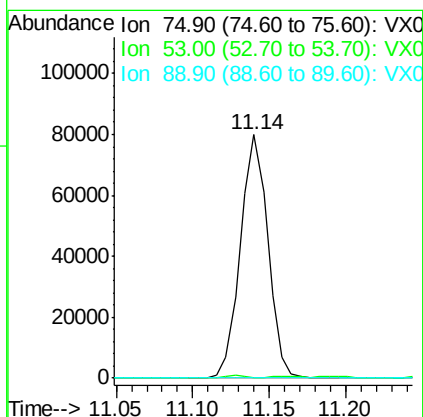
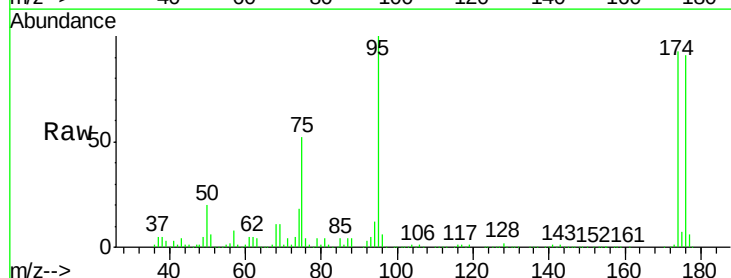
Tgt Ion: 75 Resp: 99697

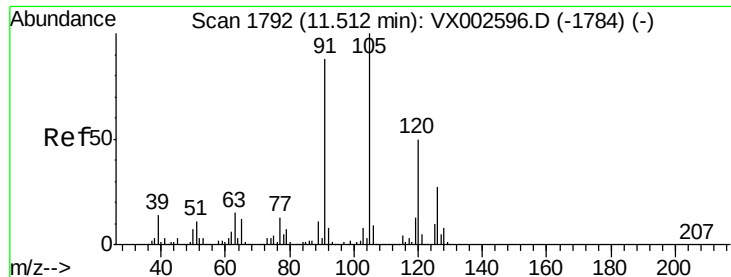
Ion Ratio Lower Upper

75 100

53 0.9 86.8 130.2#

89 0.0 38.2 57.2#

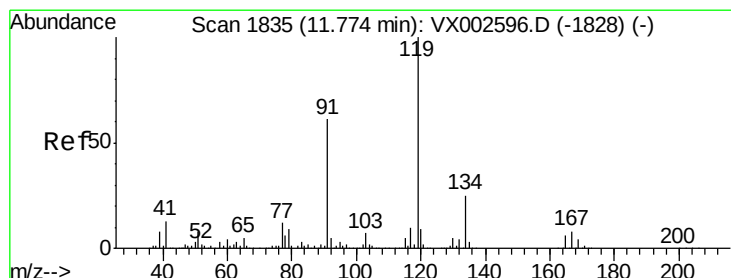
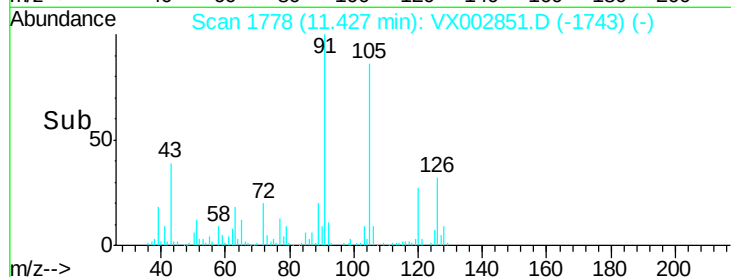
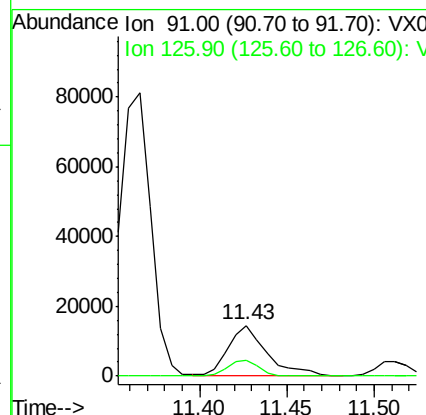
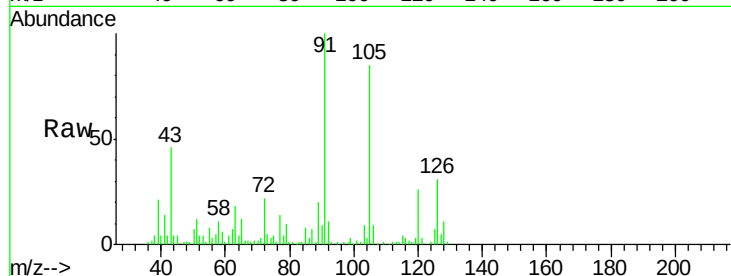




#82
4-Chlorotoluene
Concen: 2.02 ug/l
RT: 11.43 min Scan# 1778
Delta R.T. -0.09 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

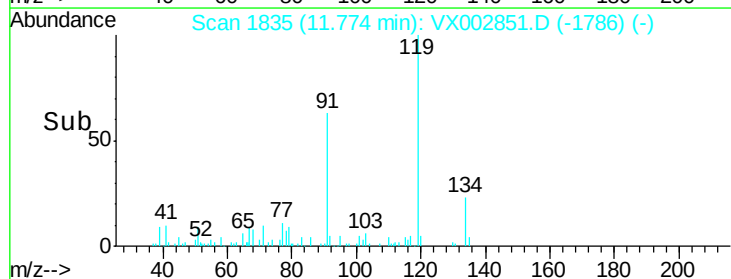
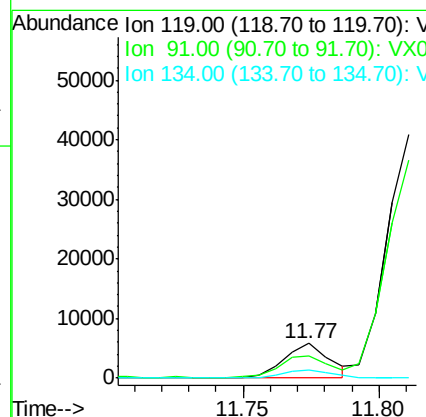
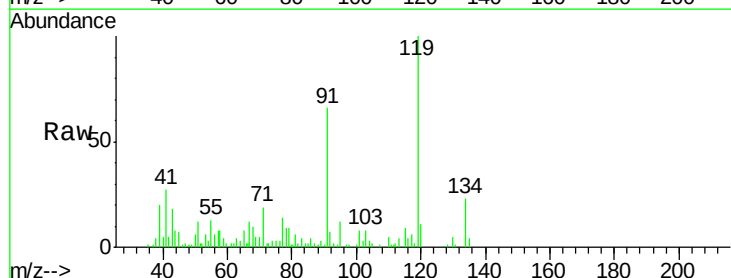
Instrument :
MSVOA_X
ClientSampled :

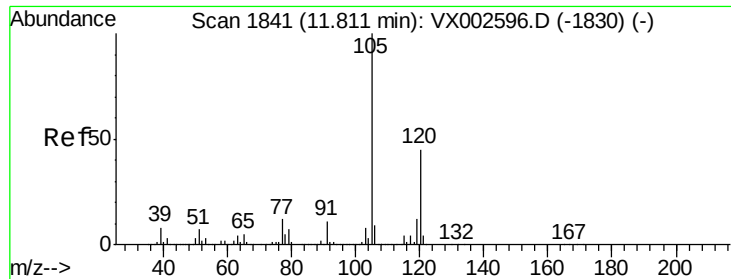
Tot Ion: 91 Resp: 22414
Ion Ratio Lower Upper
91 100
126 26.4 15.4 46.4



#83
tert-Butylbenzene
Concen: 0.60 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002851.D
Acq: 23 Jun 2018 00:24

Tgt Ion: 119 Resp: 6698
Ion Ratio Lower Upper
119 100
91 69.9 30.3 90.9
134 25.1 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 33.58 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

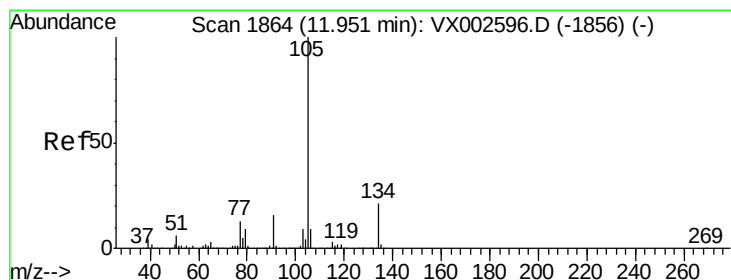
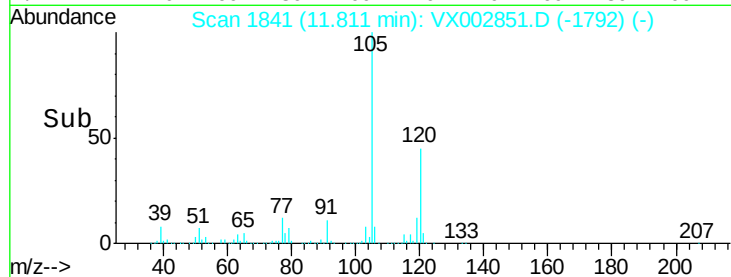
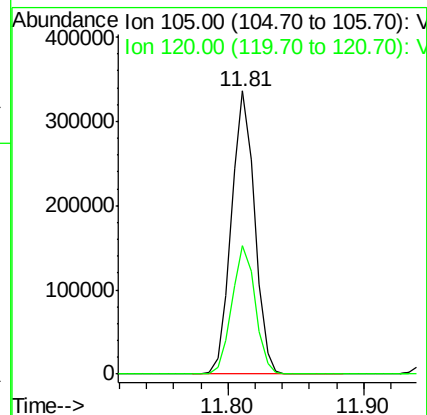
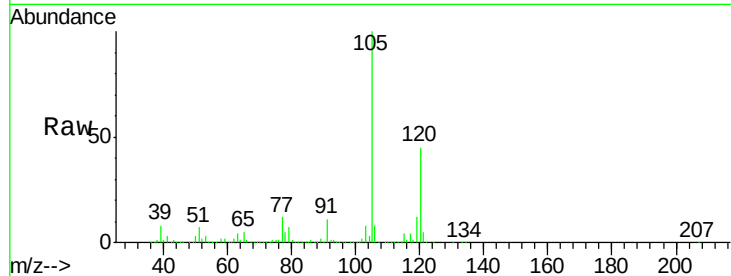
ClientSampleId :

Tot Ion:105 Resp: 397432

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.8



#85

sec-Butylbenzene

Concen: 1.60 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX002851.D

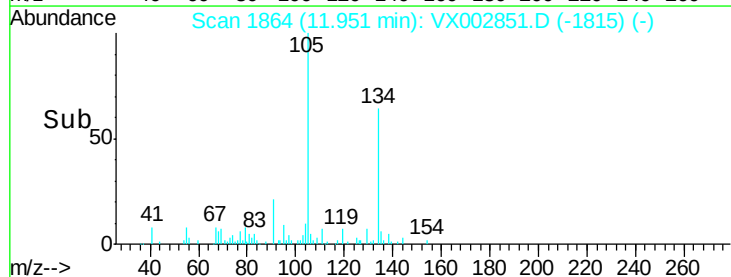
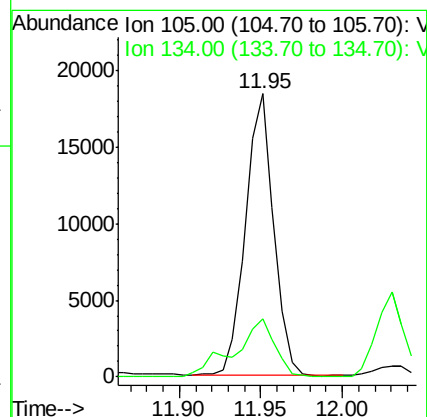
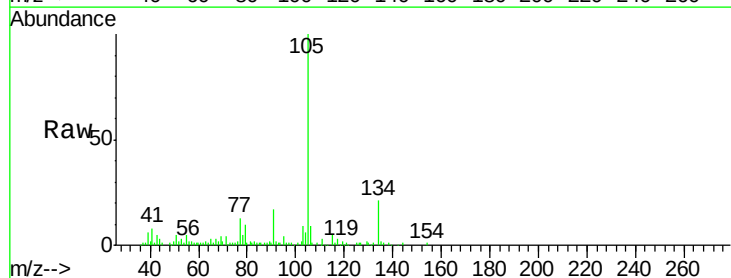
Acq: 23 Jun 2018 00:24

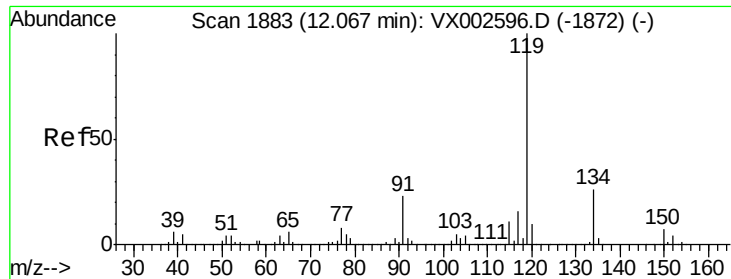
Tgt Ion:105 Resp: 22209

Ion Ratio Lower Upper

105 100

134 29.5 10.4 31.1

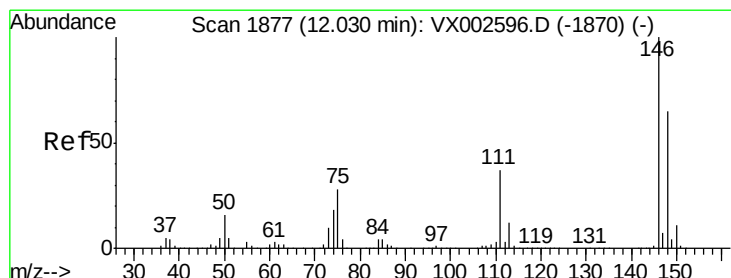
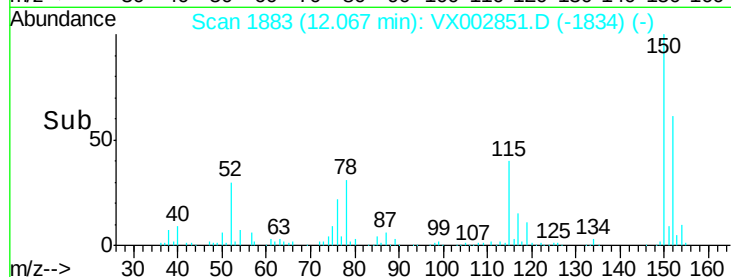
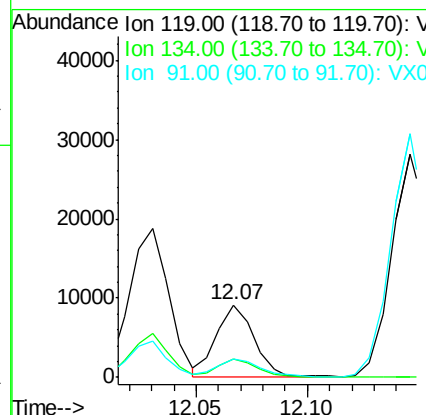
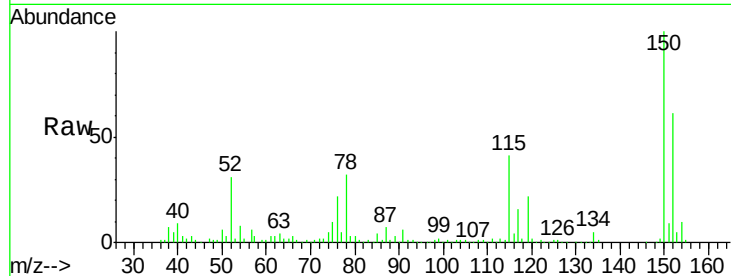




#86
 p-Isopropyltoluene
 Concen: 0.85 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

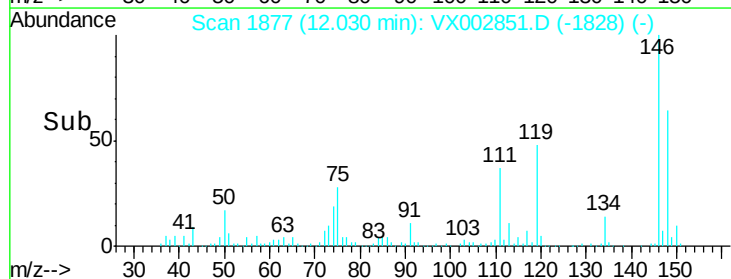
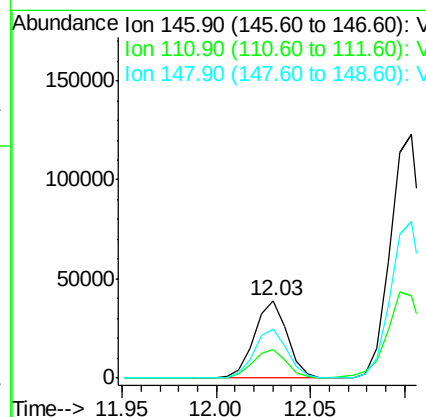
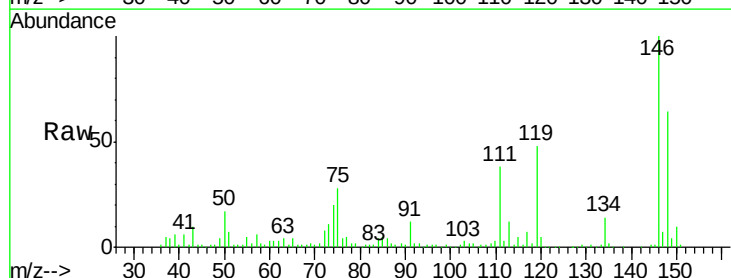
Instrument :
 MSVOA_X
 ClientSampleId :

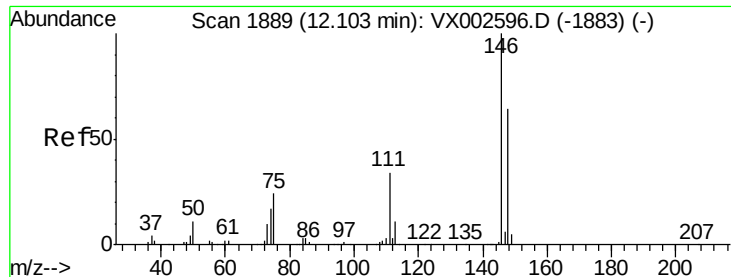
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.4	40.1
91	28.8	11.9	35.7



#87
 1,3-Dichlorobenzene
 Concen: 6.72 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX002851.D
 Acq: 23 Jun 2018 00:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.7
148	64.8	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 20.99 ug/l

RT: 12.10 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

ClientSampleId :

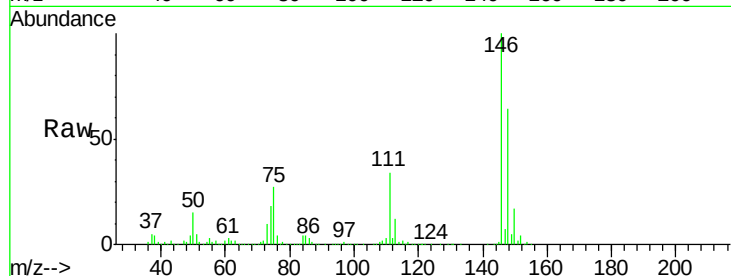
Tot Ion:146 Resp: 149766

Ion Ratio Lower Upper

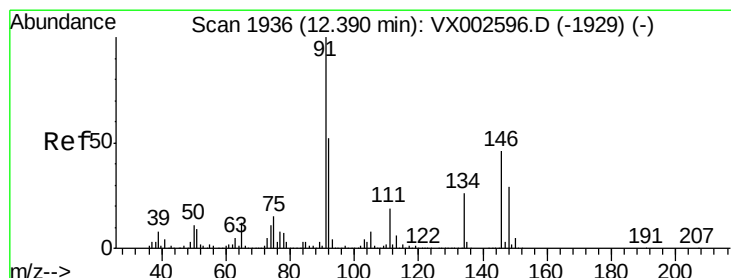
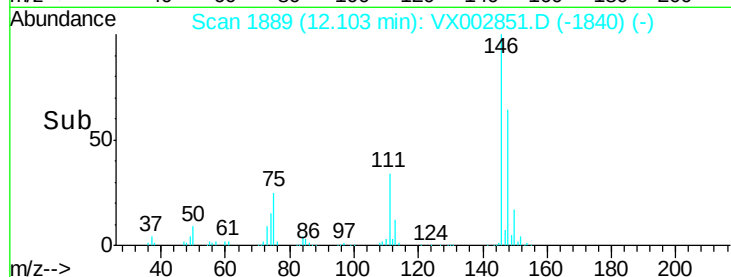
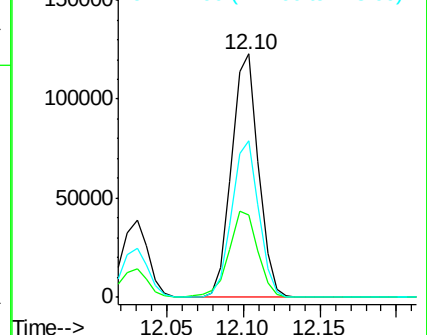
146 100

111 37.8 18.7 56.1

148 64.8 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



#89

n-Butylbenzene

Concen: 0.43 ug/l

RT: 12.37 min Scan# 1933

Delta R.T. -0.02 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

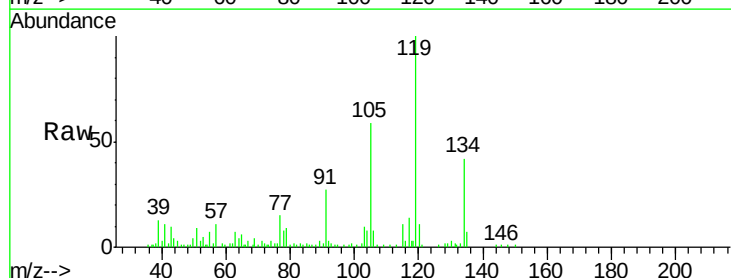
Tgt Ion: 91 Resp: 4754

Ion Ratio Lower Upper

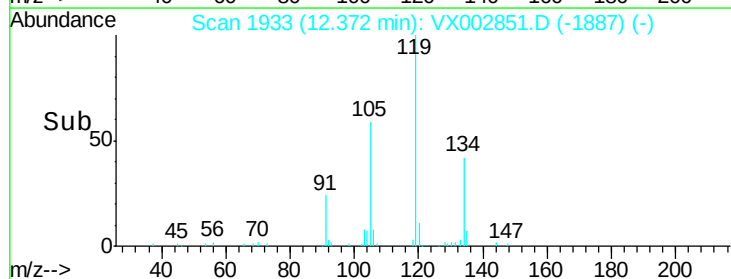
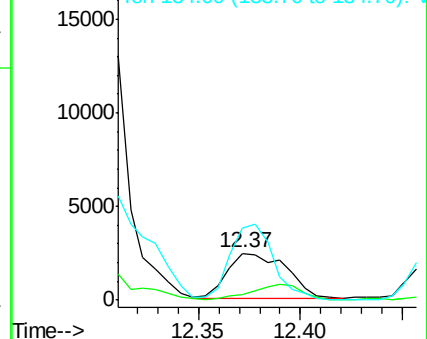
91 100

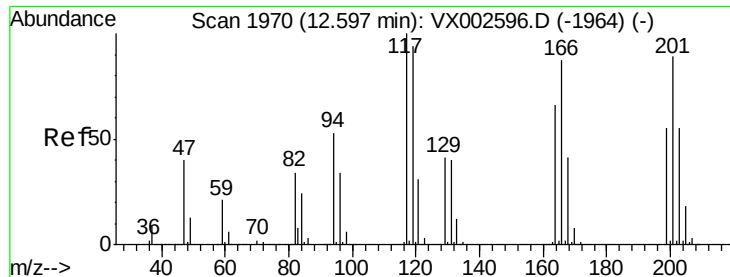
92 30.4 26.0 78.0

134 125.7 13.5 40.5#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 10.00 ug/l

RT: 12.70 min Scan# 1987

Delta R.T. 0.10 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

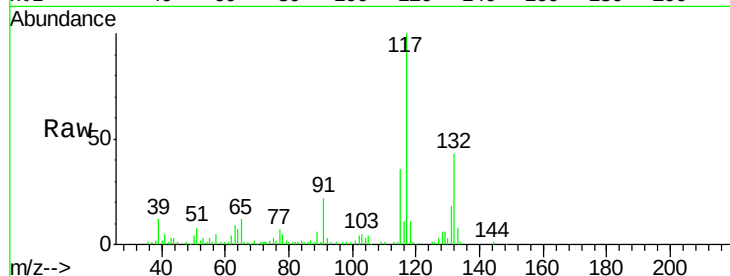
ClientSampleId :

Tot Ion:117 Resp: 15245

Ion Ratio Lower Upper

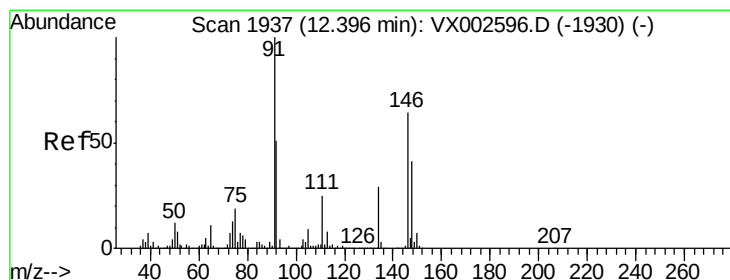
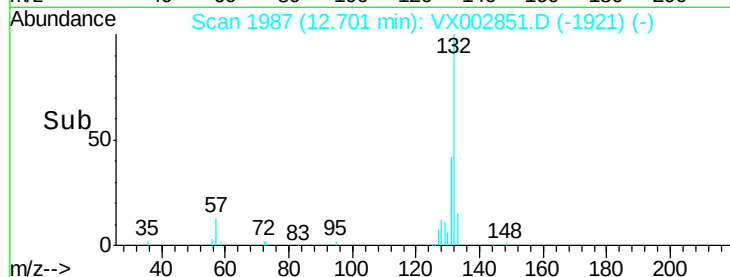
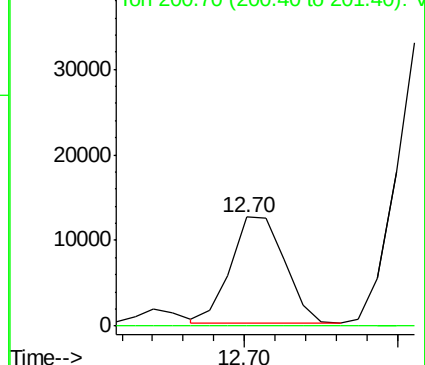
117 100

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



#91

1,2-Dichlorobenzene

Concen: 1.04 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

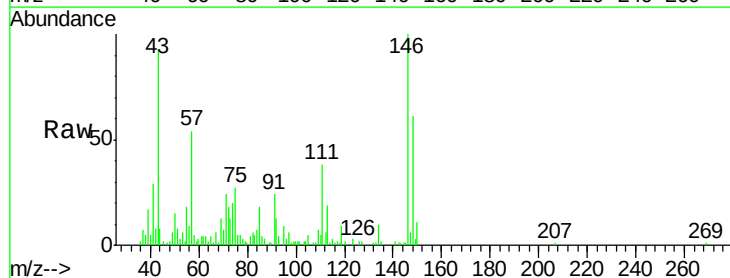
Tgt Ion:146 Resp: 7333

Ion Ratio Lower Upper

146 100

111 42.5 19.4 58.1

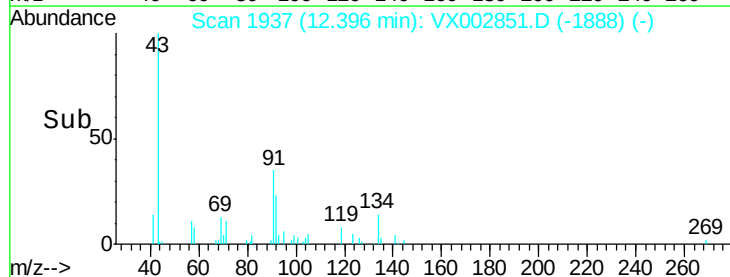
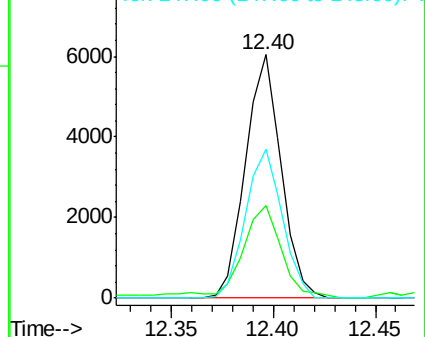
148 63.2 31.7 95.1

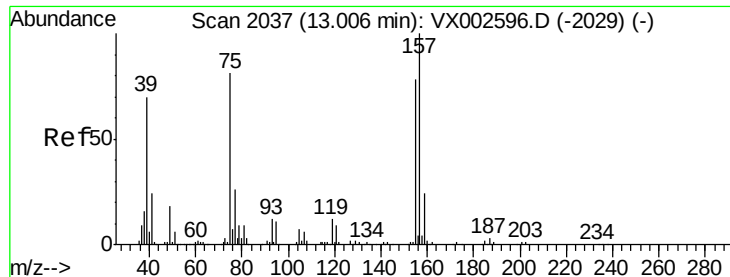


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.31 ug/l

RT: 13.01 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

Instrument :

MSVOA_X

ClientSampled :

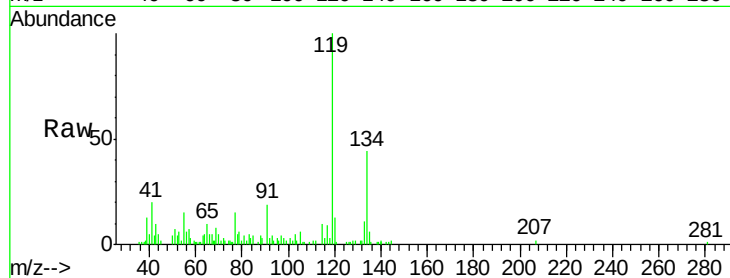
Tot Ion: 75 Resp: 259

Ion Ratio Lower Upper

75 100

155 0.0 45.8 137.4#

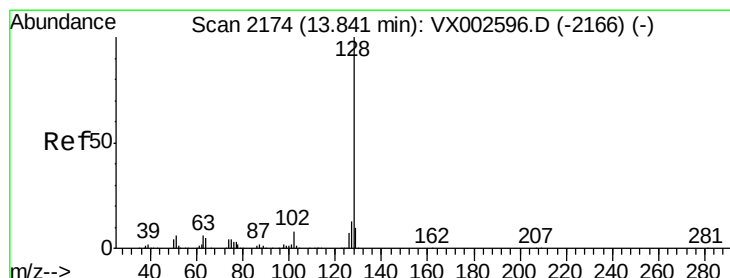
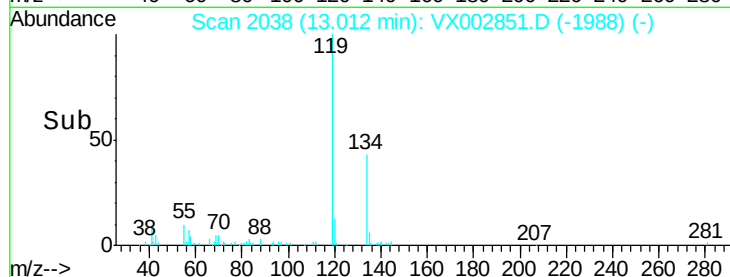
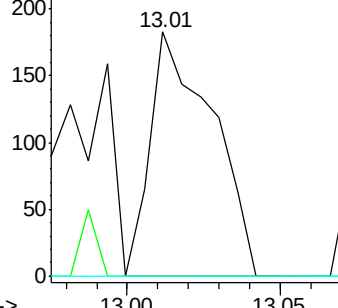
157 0.0 60.1 180.3#



Abundance Ion 74.90 (74.60 to 75.60): VX002851.D (-1988) (-)

Ion 154.80 (154.50 to 155.50): VX002851.D (-1988) (-)

Ion 156.80 (156.50 to 157.50): VX002851.D (-1988) (-)



#95

Naphthalene

Concen: 12.49 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VX002851.D

Acq: 23 Jun 2018 00:24

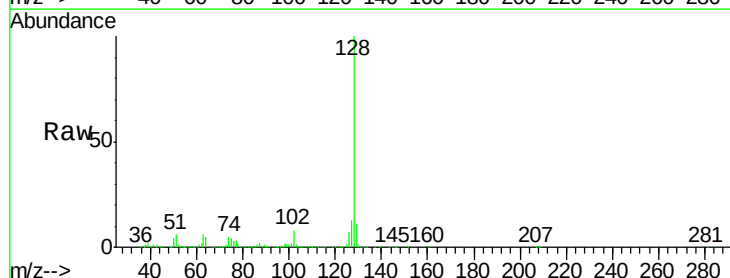
Tgt Ion: 128 Resp: 172100

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): VX002851.D (-2125) (-)

Ion 127.00 (126.70 to 127.70): VX002851.D (-2125) (-)

Ion 129.00 (128.70 to 129.70): VX002851.D (-2125) (-)

