

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002636.D
 Acq On : 16 Jun 2018 09:50
 Operator : JC/MD
 Sample : J3449-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:08:45 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	221468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	316972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177329	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	147699	43.89	ug/l	0.00
Spiked Amount			Recovery	=	87.78%	
35) Dibromofluoromethane	5.51	113	114742	45.36	ug/l	0.00
Spiked Amount			Recovery	=	90.72%	
50) Toluene-d8	8.72	98	458713	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
62) 4-Bromofluorobenzene	11.14	95	167817	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	5911	2.11	ug/l #	65
5) Bromomethane	1.66	94	937	0.54	ug/l	82
10) Methyl Iodide	2.53	142	1231	5.49	ug/l #	84
11) Tert butyl alcohol	3.07	59	249	0.36	ug/l #	73
13) Acrolein	2.27	56	7861	30.30	ug/l #	1
14) Allyl chloride	2.79	41	16691	3.40	ug/l #	23
15) Acrylonitrile	3.17	53	17783	11.71	ug/l #	40
16) Acetone	2.40	43	100871	67.94	ug/l #	57
17) Carbon Disulfide	2.58	76	1813	0.31	ug/l #	91
18) Methyl Acetate	2.84	43	412376	104.25	ug/l #	55
20) Methylene Chloride	2.86	84	2407	0.79	ug/l #	1
23) Vinyl Acetate	3.81	43	2654	0.36	ug/l #	75
25) 2-Butanone	4.70	43	3530	1.81	ug/l	97
26) 2,2-Dichloropropane	4.40	77	11187	3.23	ug/l #	53
30) Chloroform	5.28	83	15465	3.32	ug/l #	23
31) Cyclohexane	5.58	56	171056	43.06	ug/l	93
36) 1,1-Dichloropropene	5.67	75	15117	4.49	ug/l #	52
37) Ethyl Acetate	4.90	43	1662	0.44	ug/l #	1
38) Carbon Tetrachloride	5.67	117	20589	6.14	ug/l #	15
39) Methylcyclohexane	7.46	83	78657	19.99	ug/l	92
40) Benzene	6.15	78	2364	0.23	ug/l	91
41) Methacrylonitrile	5.03	41	2293	1.07	ug/l #	8
43) Isopropyl Acetate	6.46	43	5485	0.87	ug/l #	65
45) 1,2-Dichloropropane	7.46	63	2049	0.77	ug/l #	1
46) Dibromomethane	7.65	93	396	0.22	ug/l #	1
47) Bromodichloromethane	7.96	83	961	0.31	ug/l #	26
48) Methyl methacrylate	7.73	41	8311	2.58	ug/l #	54
51) 4-Methyl-2-Pentanone	8.65	43	1338	0.33	ug/l #	76
52) Toluene	8.79	92	90730	14.09	ug/l	99
53) t-1,3-Dichloropropene	8.46	75	41	2.40	ug/l #	62
54) cis-1,3-Dichloropropene	8.99	75	87	3.23	ug/l #	1
55) 1,1,2-Trichloroethane	9.17	97	3603	1.38	ug/l #	19
56) Ethyl methacrylate	9.17	69	1123	0.28	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.21	63	4975	2.57	ug/l #	48

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

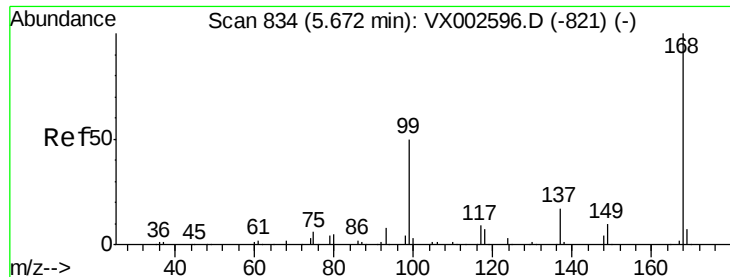
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 18 06:08:45 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)

59) 2-Hexanone	9.63	43	3013	0.99	ug/l	96
60) Dibromochloromethane	9.34	129	112	3.80	ug/l #	11
67) Ethyl Benzene	10.26	91	60005	4.82	ug/l	100
68) m/p-Xylenes	10.37	106	149967	31.25	ug/l	97
69) o-Xylene	10.70	106	17113	3.63	ug/l	96
73) Isopropylbenzene	11.02	105	187654	15.82	ug/l	99
74) N-amyl acetate	6.46	43	5485	0.93	ug/l #	63
76) 1,2,3-Trichloropropane	11.37	75	5113	1.53	ug/l #	1
78) n-propylbenzene	11.37	91	747242	54.94	ug/l	100
79) 2-Chlorotoluene	11.46	91	47335	5.83	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.51	105	30758	3.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.14	75	87754	81.08	ug/l #	7
82) 4-Chlorotoluene	11.46	91	47335	4.94	ug/l #	44
83) tert-Butylbenzene	11.77	119	4998	0.52	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	55925	5.47	ug/l	95
85) sec-Butylbenzene	11.95	105	121592	10.13	ug/l	94
86) p-Isopropyltoluene	12.24	119	27776	2.56	ug/l	94
89) n-Butylbenzene	12.39	91	118670	12.38	ug/l #	51
90) Hexachloroethane	12.67	117	132016	76.49	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	510	0.70	ug/l #	1
95) Naphthalene	13.84	128	369993	31.06	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

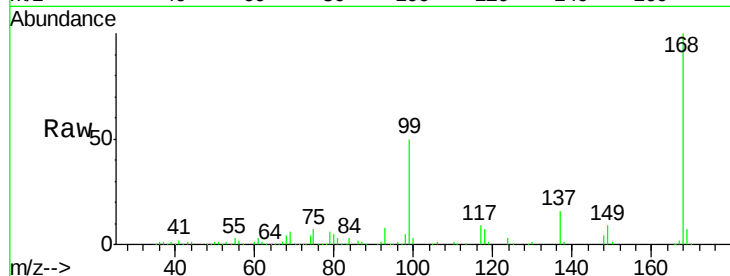
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 221468

Ion Ratio Lower Upper

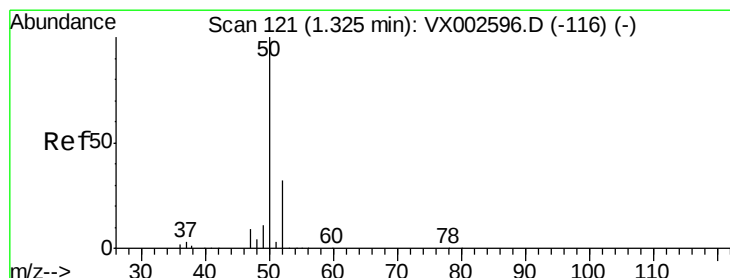
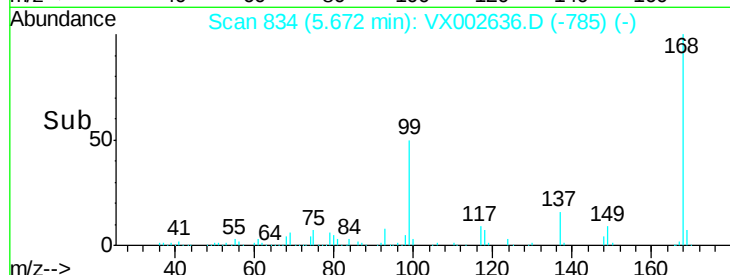
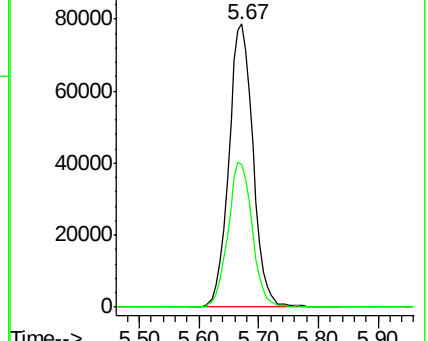
168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 2.11 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002636.D

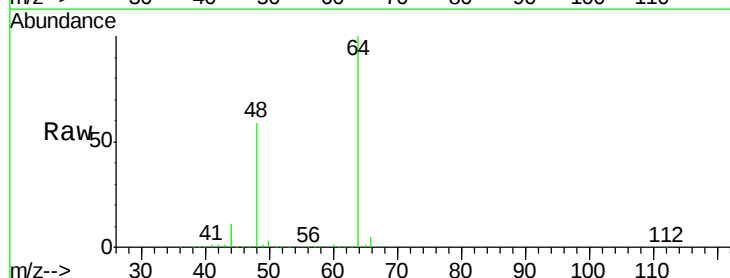
Acq: 16 Jun 2018 09:50

Tgt Ion: 50 Resp: 5911

Ion Ratio Lower Upper

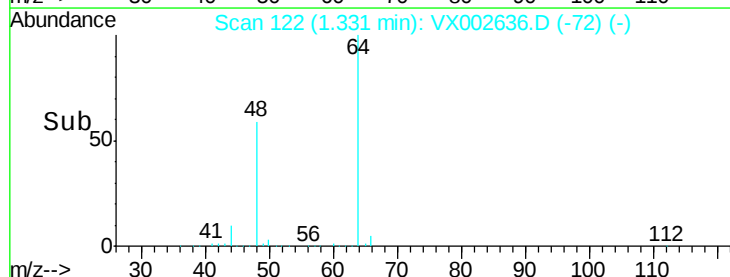
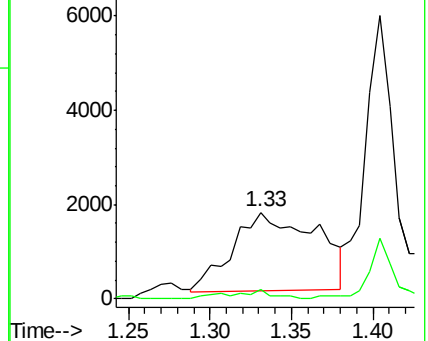
50 100

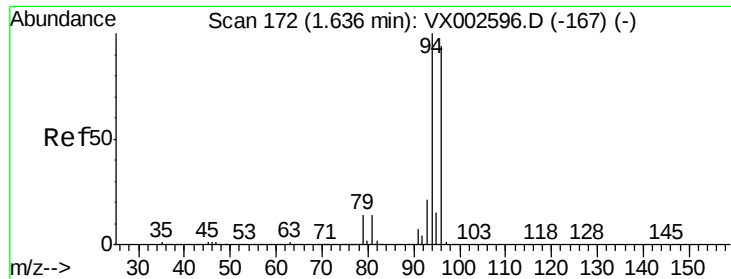
52 12.3 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.54 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

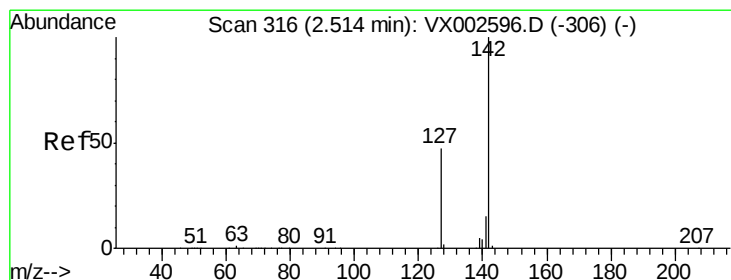
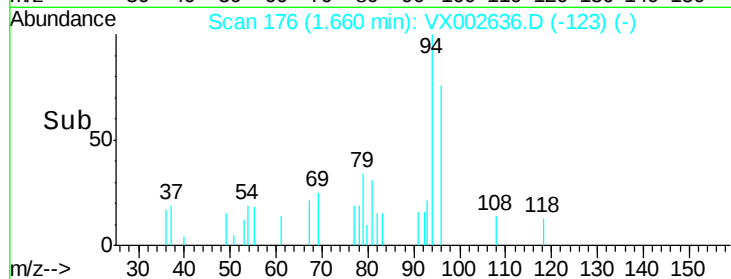
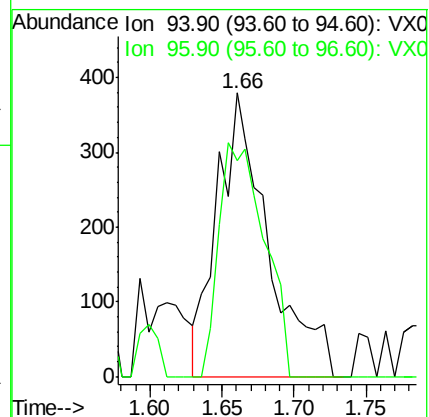
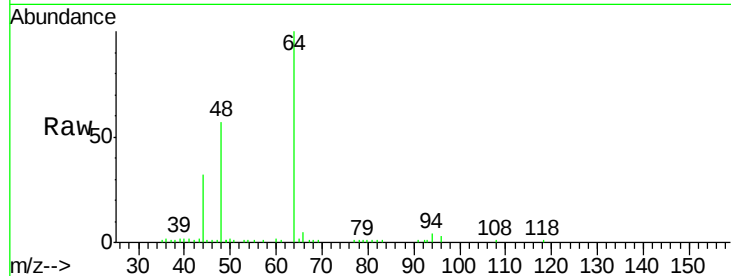
ClientSampled :

Tot Ion: 94 Resp: 937

Ion Ratio Lower Upper

94 100

96 76.3 74.9 112.3



#10

Methyl Iodide

Concen: 5.49 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

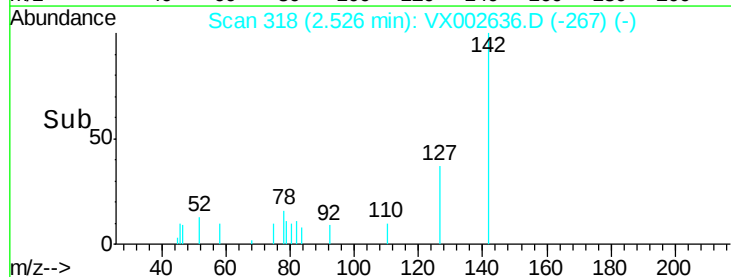
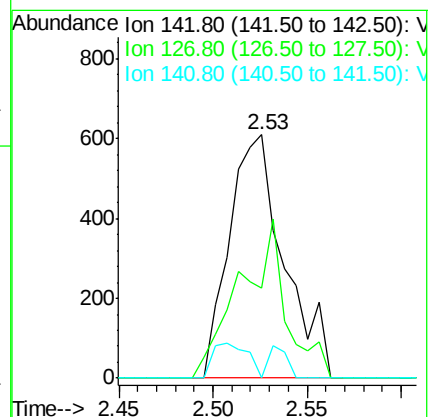
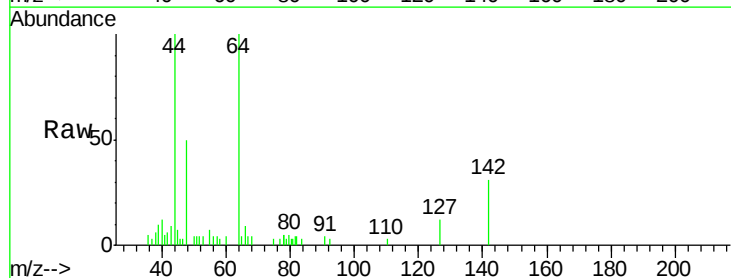
Tgt Ion: 142 Resp: 1231

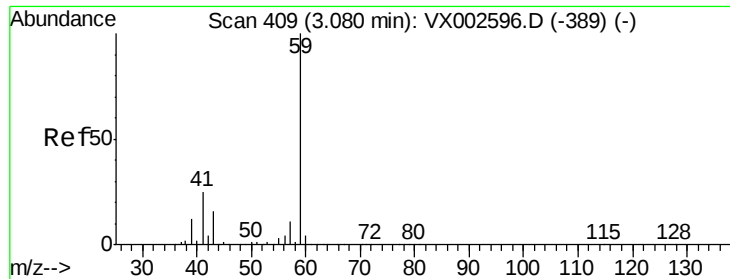
Ion Ratio Lower Upper

142 100

127 55.0 36.6 55.0#

141 4.3 11.3 16.9#

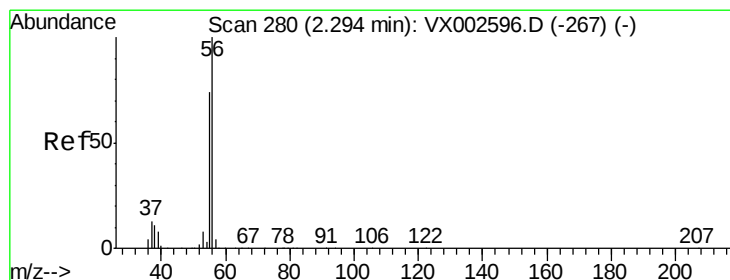
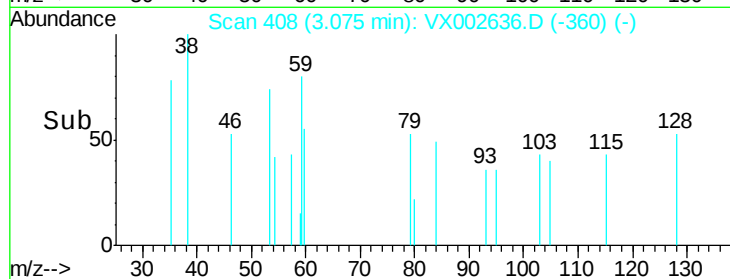
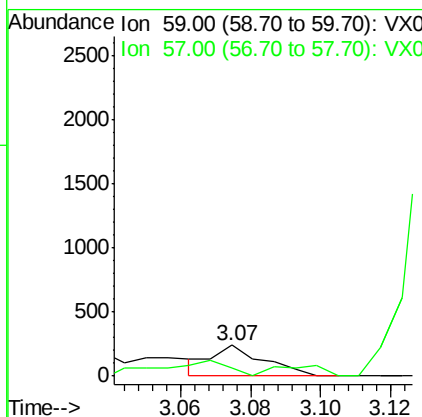
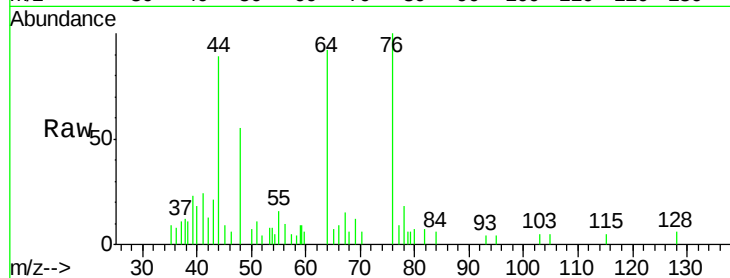




#11
Tert butyl alcohol
Concen: 0.36 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

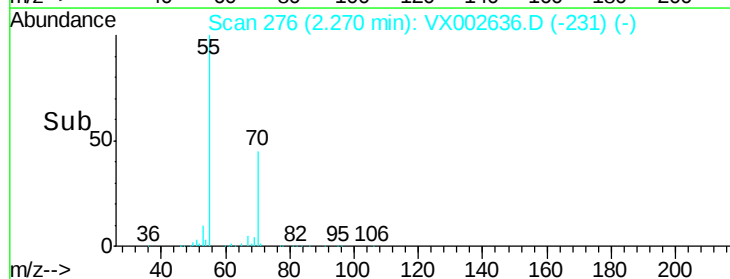
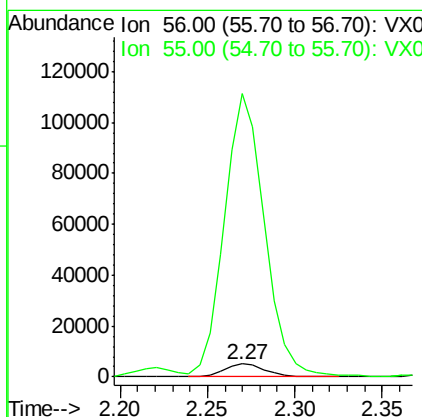
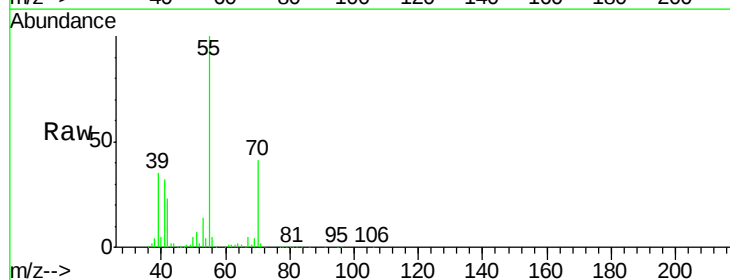
Instrument :
MSVOA_X
ClientSampleId :

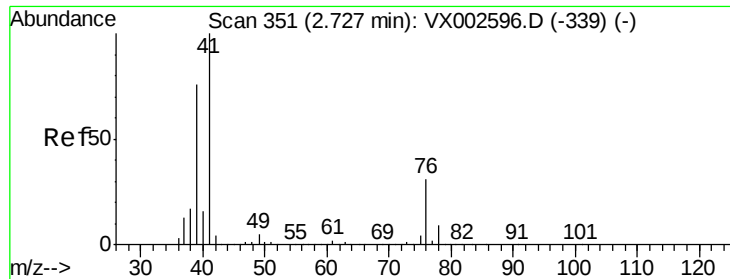
Tot Ion: 59 Resp: 249
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#13
Acrolein
Concen: 30.30 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion: 56 Resp: 7861
Ion Ratio Lower Upper
56 100
55 2247.8 57.0 85.4#





#14

Allvl chloride

Concen: 3.40 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.06 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

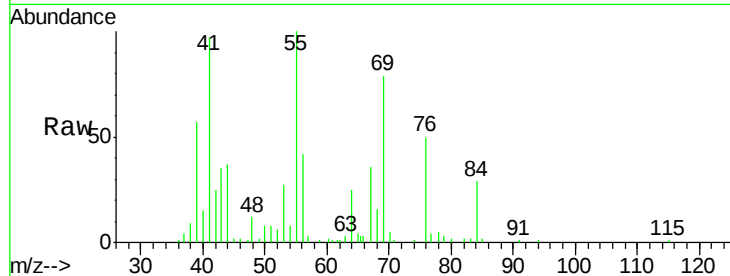
Tot Ion: 41 Resp: 16691

Ion Ratio Lower Upper

41 100

39 0.0 56.8 85.2#

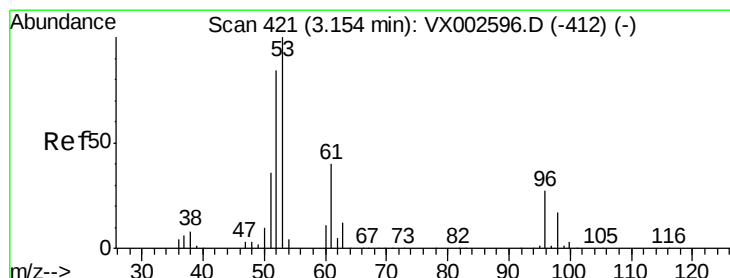
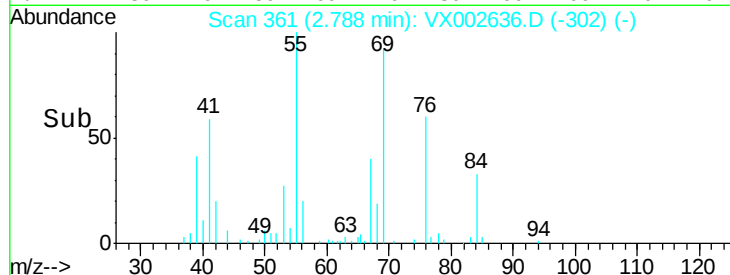
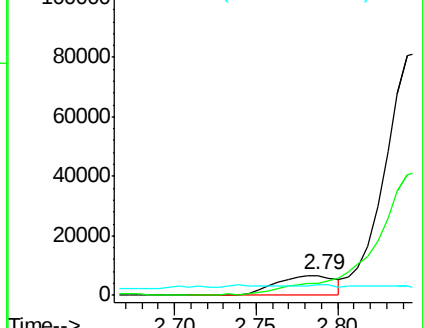
76 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



#15

Acrylonitrile

Concen: 11.71 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.02 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

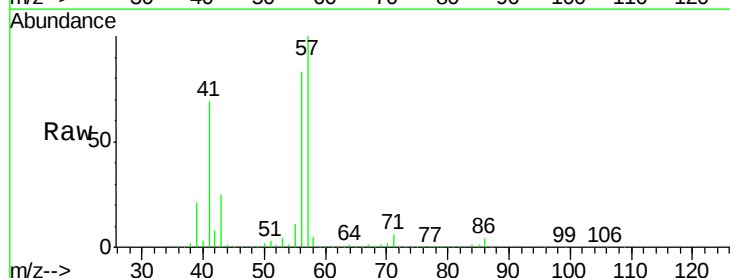
Tgt Ion: 53 Resp: 17783

Ion Ratio Lower Upper

53 100

52 21.7 66.7 100.1#

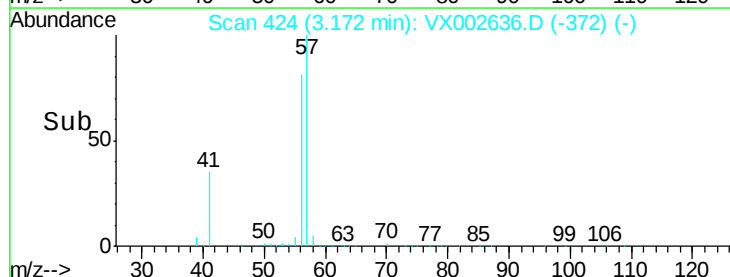
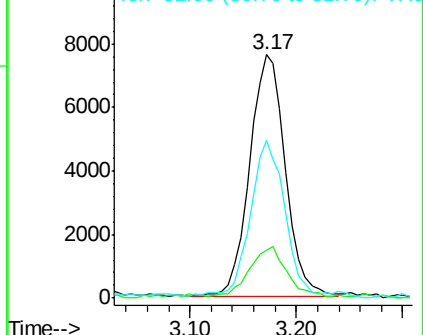
51 61.8 29.9 44.9#

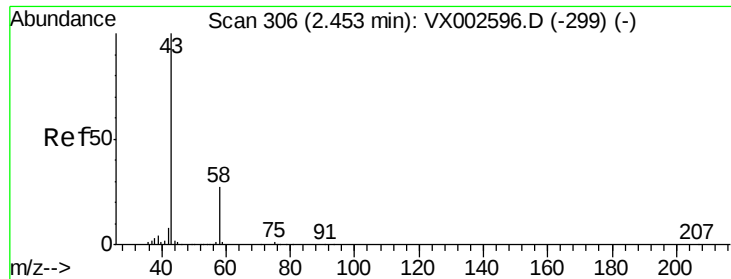


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 67.94 ug/l

RT: 2.40 min Scan# 297

Delta R.T. -0.05 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

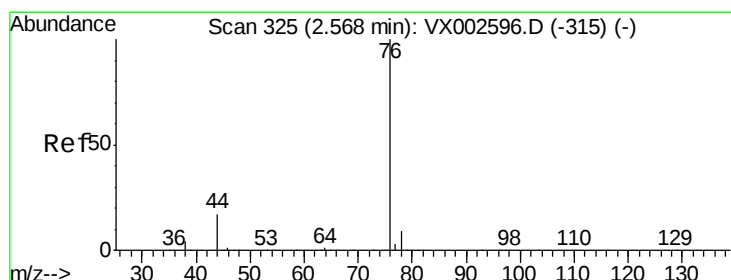
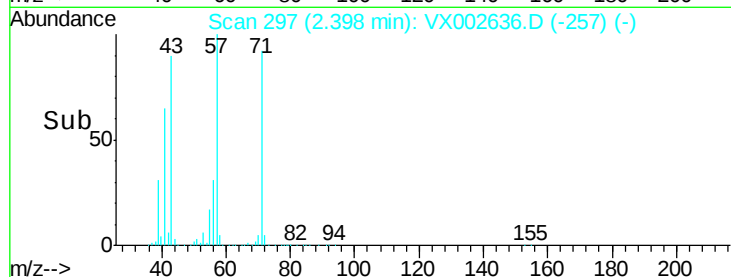
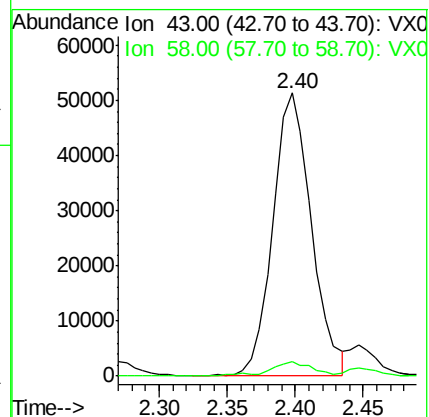
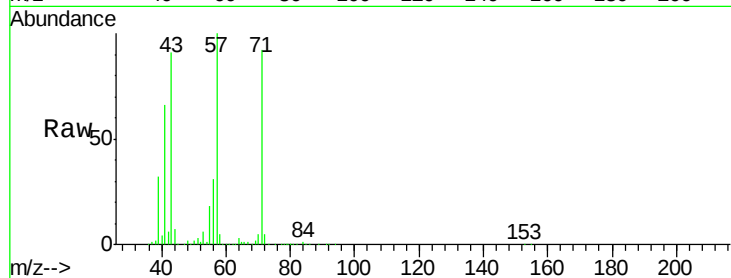
ClientSampled :

Tot Ion: 43 Resp: 100871

Ion Ratio Lower Upper

43 100

58 5.1 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX002636.D

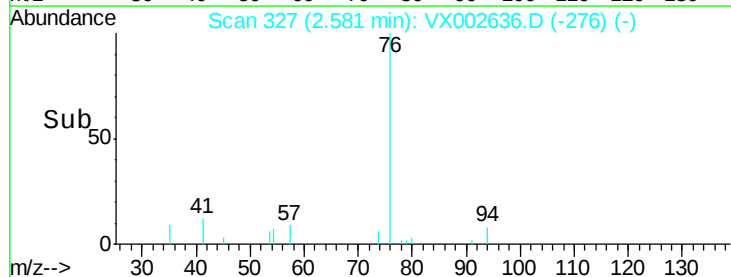
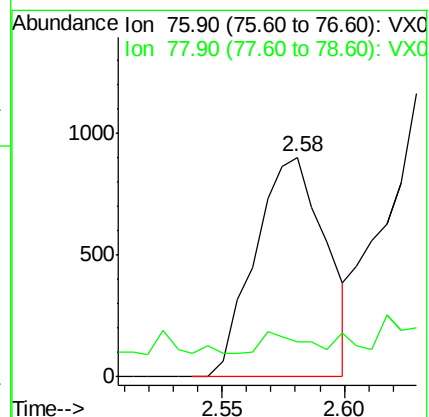
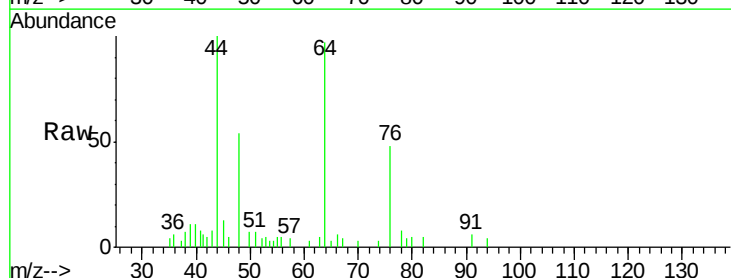
Acq: 16 Jun 2018 09:50

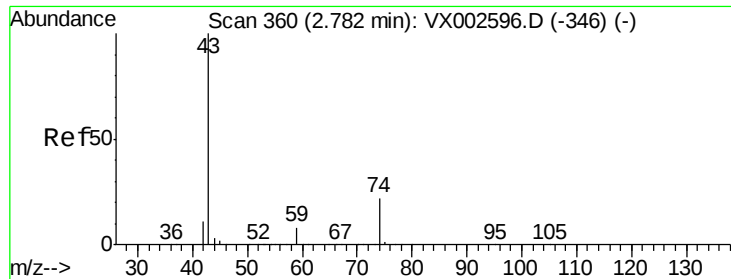
Tgt Ion: 76 Resp: 1813

Ion Ratio Lower Upper

76 100

78 5.3 6.9 10.3#

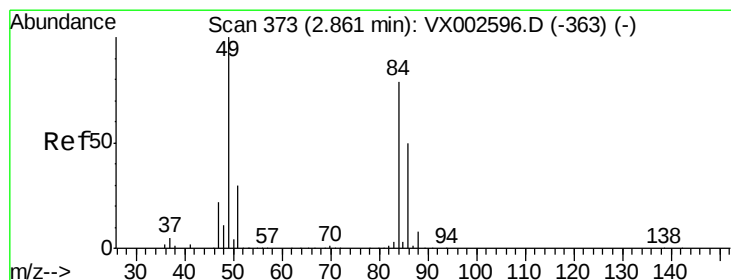
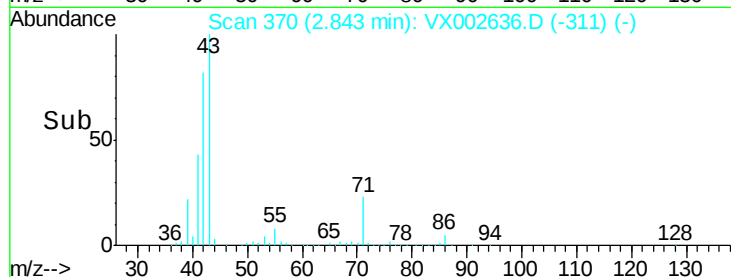
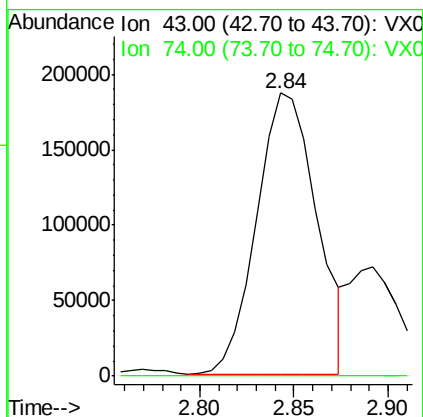
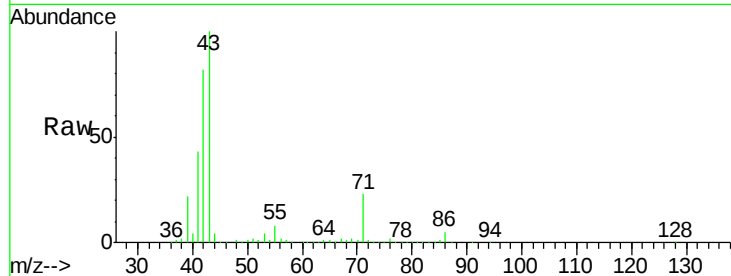




#18
Methyl Acetate
Concen: 104.25 ug/l
RT: 2.84 min Scan# 370
Delta R.T. 0.06 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

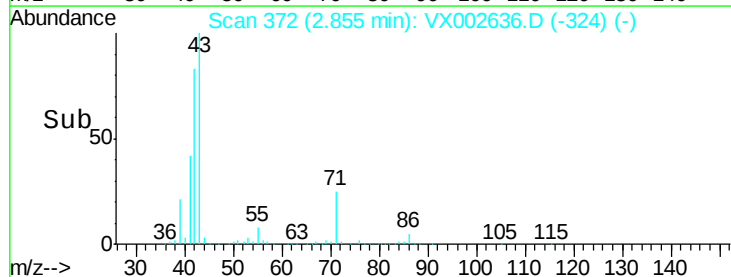
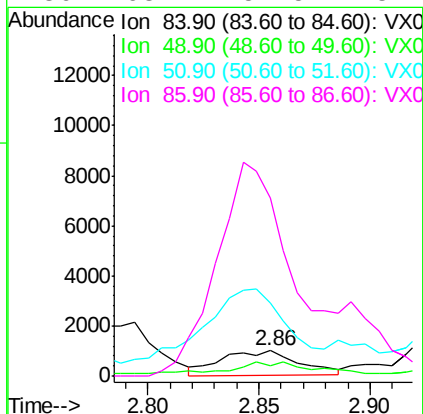
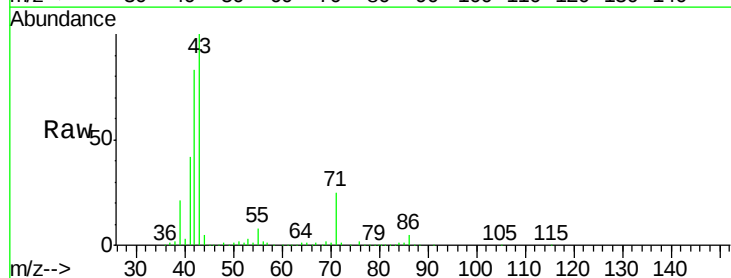
Instrument :
MSVOA_X
ClientSampleId :

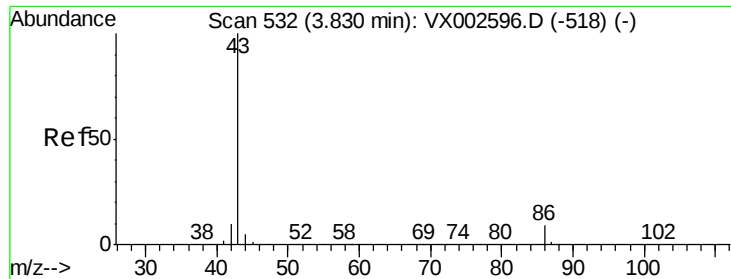
Tot Ion: 43 Resp: 412376
Ion Ratio Lower Upper
43 100
74 0.1 16.7 25.1#



#20
Methylene Chloride
Concen: 0.79 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.01 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion: 84 Resp: 2407
Ion Ratio Lower Upper
84 100
49 33.0 107.8 161.6#
51 209.9 32.8 49.2#
86 768.4 52.5 78.7#





#23

Vinyl Acetate

Concen: 0.36 ug/l

RT: 3.81 min Scan# 528

Delta R.T. -0.02 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

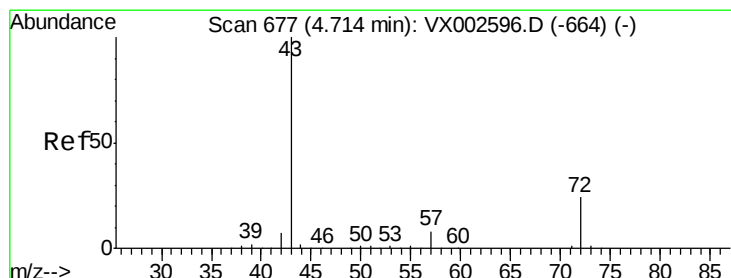
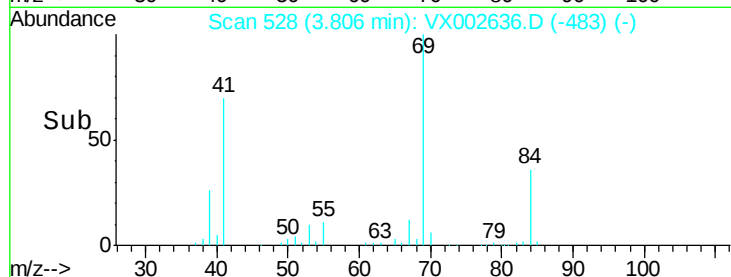
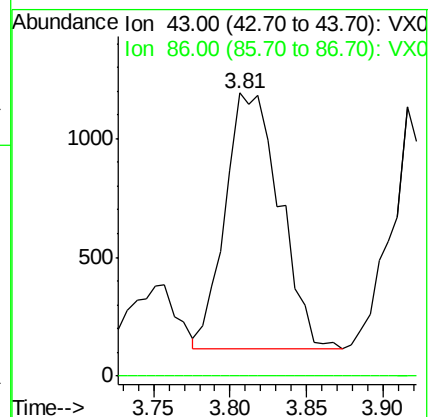
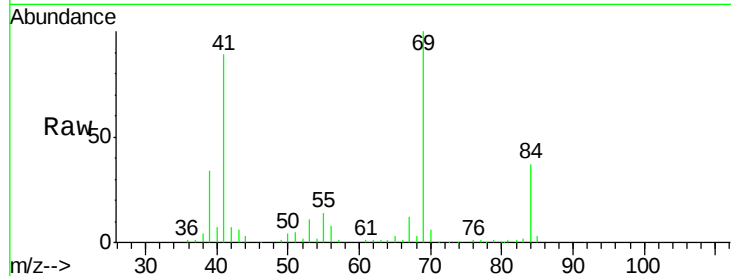
ClientSampleId :

Tot Ion: 43 Resp: 2654

Ion Ratio Lower Upper

43 100

86 0.0 7.4 11.0#



#25

2-Butanone

Concen: 1.81 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.01 min

Lab File: VX002636.D

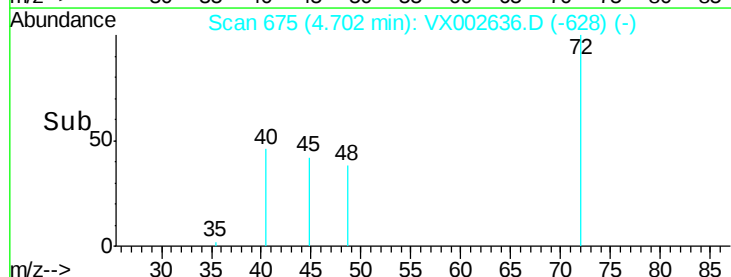
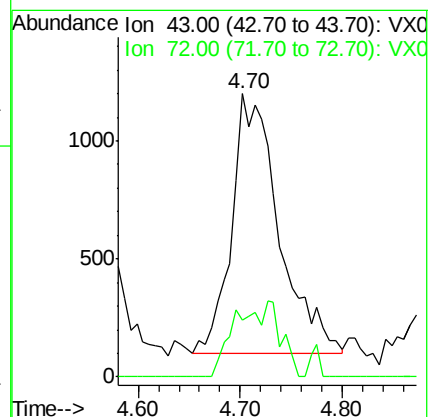
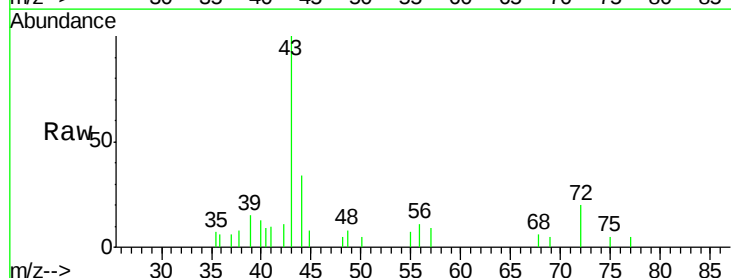
Acq: 16 Jun 2018 09:50

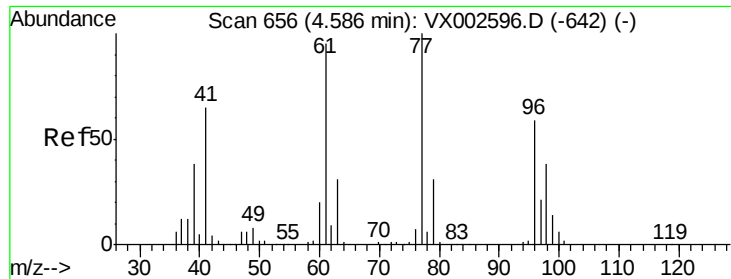
Tgt Ion: 43 Resp: 3530

Ion Ratio Lower Upper

43 100

72 21.7 18.5 27.7





#26

2,2-Dichloropropane

Concen: 3.23 ug/l

RT: 4.40 min Scan# 626

Delta R.T. -0.18 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

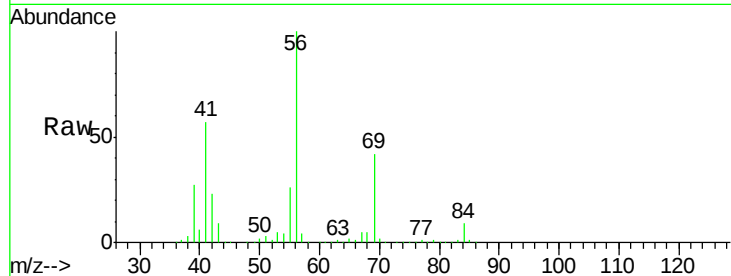
ClientSampleId :

Tot Ion: 77 Resp: 11187

Ion Ratio Lower Upper

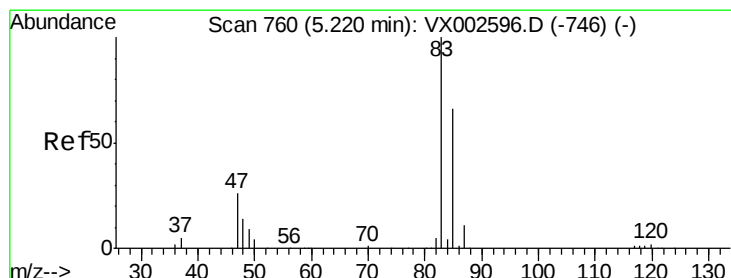
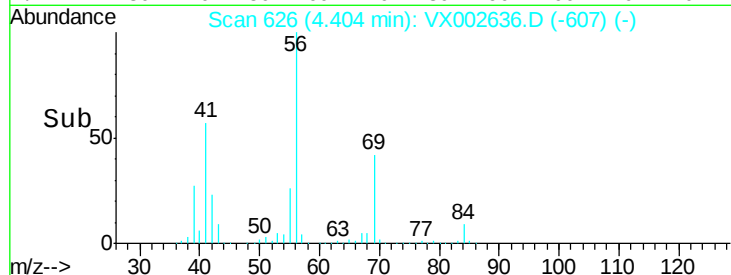
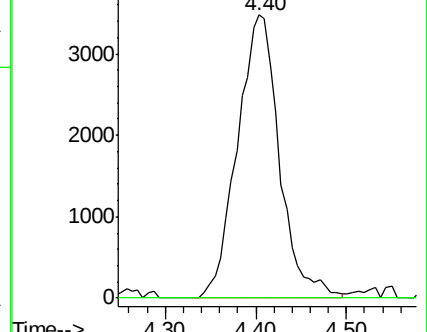
77 100

97 0.0 11.2 33.5#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#30

Chloroform

Concen: 3.32 ug/l

RT: 5.28 min Scan# 769

Delta R.T. 0.05 min

Lab File: VX002636.D

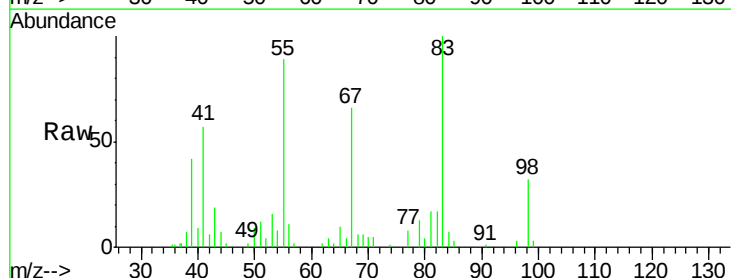
Acq: 16 Jun 2018 09:50

Tgt Ion: 83 Resp: 15465

Ion Ratio Lower Upper

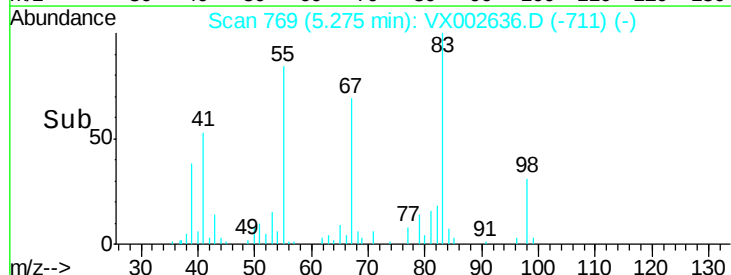
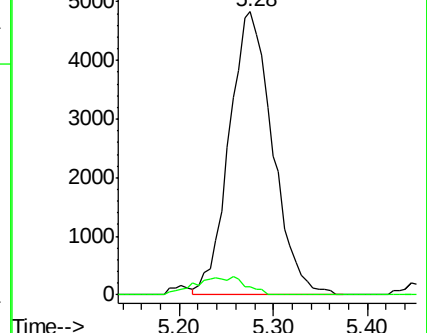
83 100

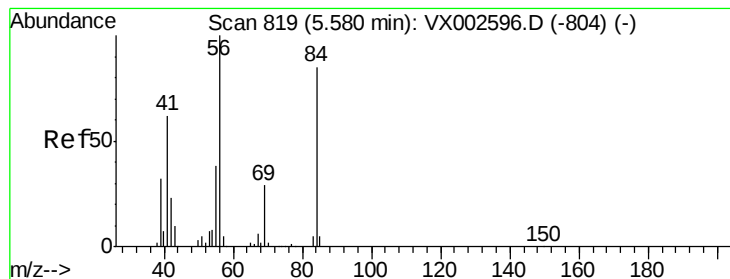
85 3.0 50.4 75.6#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 43.06 ug/l

RT: 5.58 min Scan# 819

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampleId :

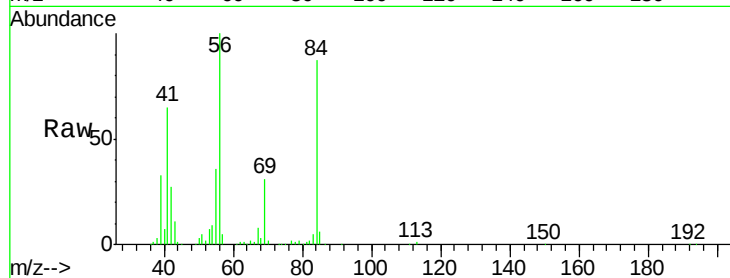
Tot Ion: 56 Resp: 171056

Ion Ratio Lower Upper

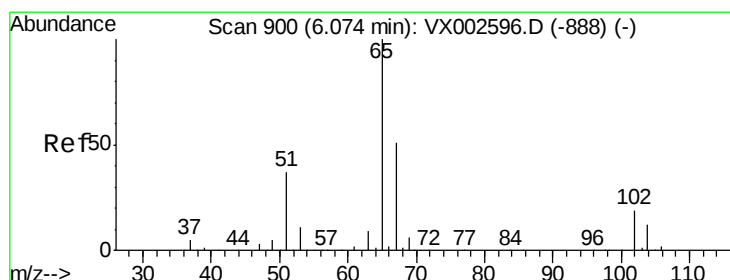
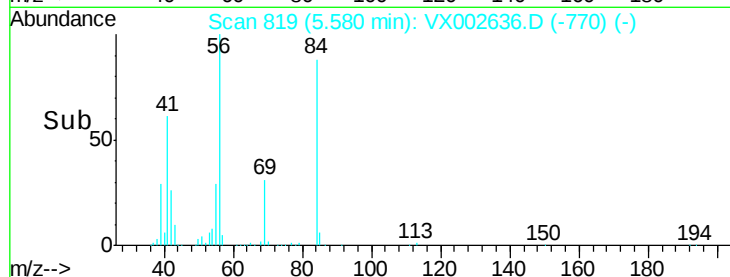
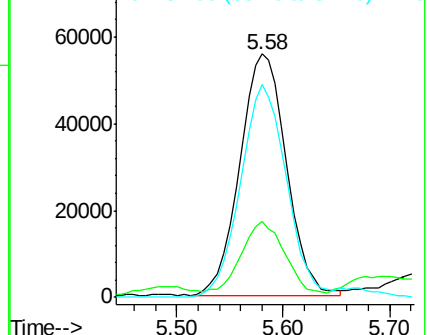
56 100

69 28.7 23.7 35.5

84 87.7 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: 43.89 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002636.D

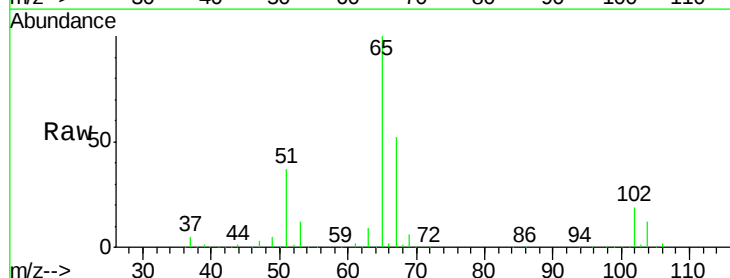
Acq: 16 Jun 2018 09:50

Tgt Ion: 65 Resp: 147699

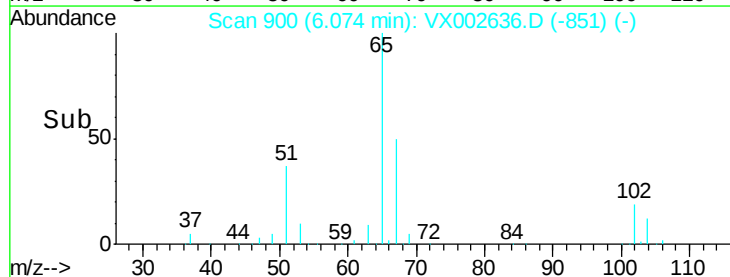
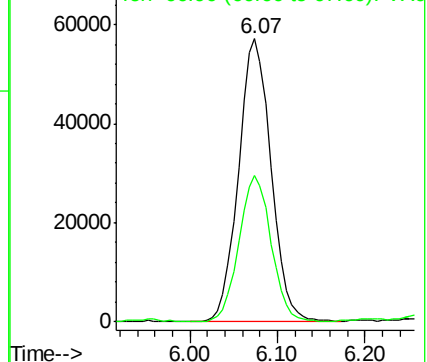
Ion Ratio Lower Upper

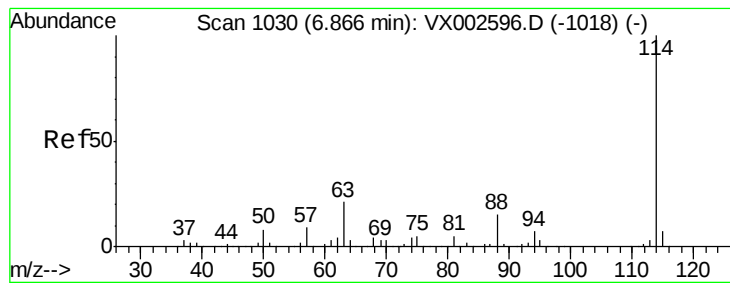
65 100

67 51.2 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: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampleId :

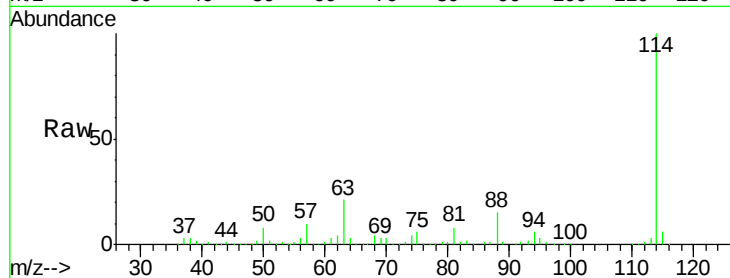
Tot Ion:114 Resp: 316972

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.4

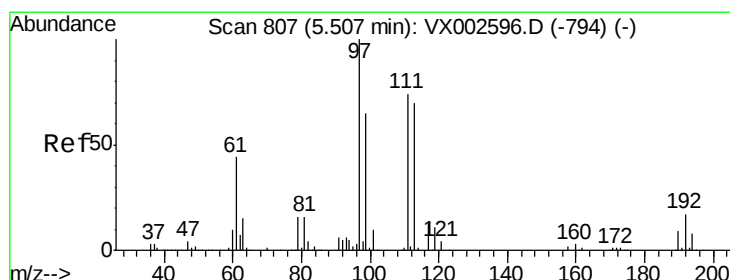
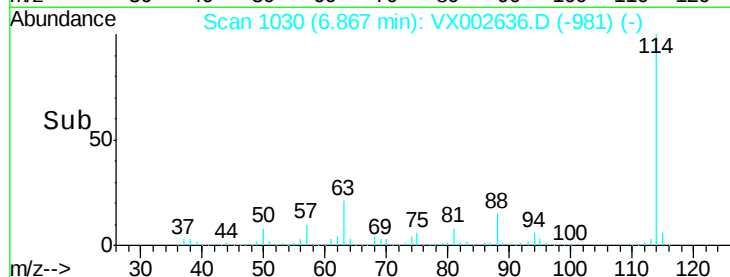
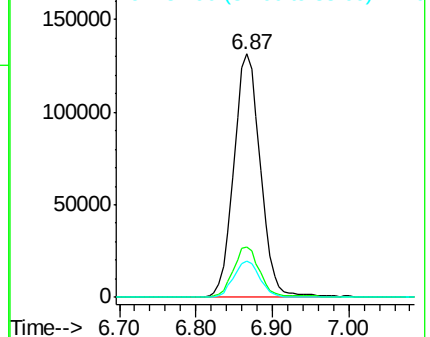
88 14.8 0.0 30.0



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: 45.36 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

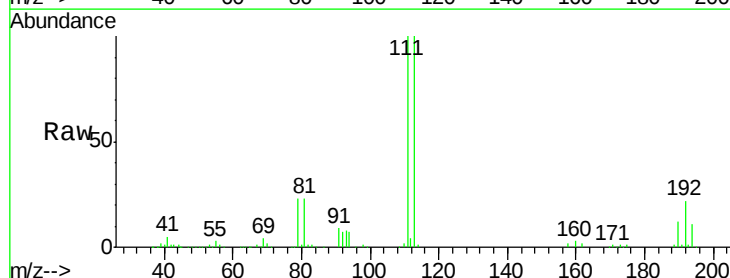
Tgt Ion:113 Resp: 114742

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

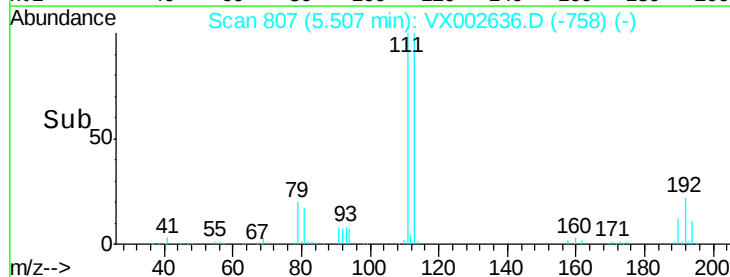
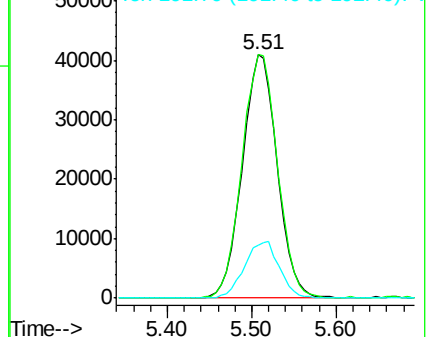
192 23.4 19.1 28.7

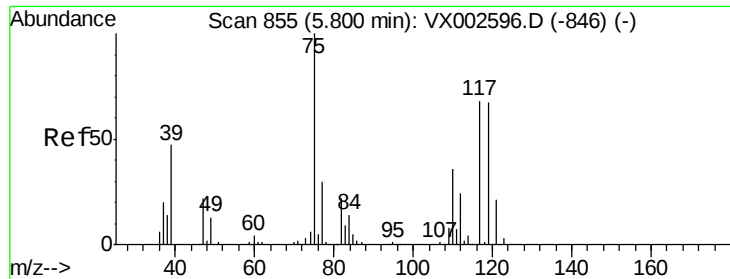


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

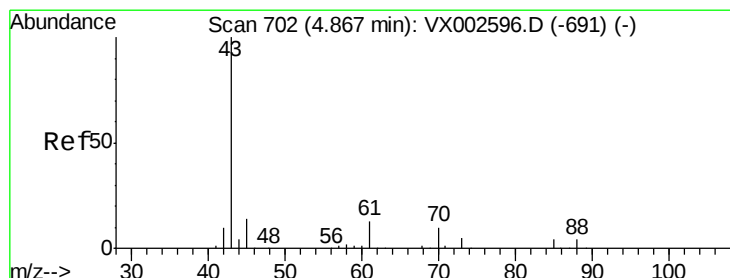
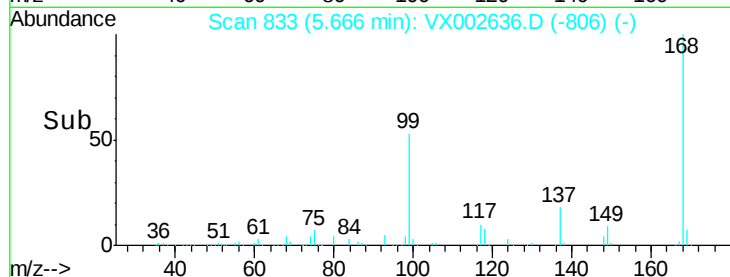
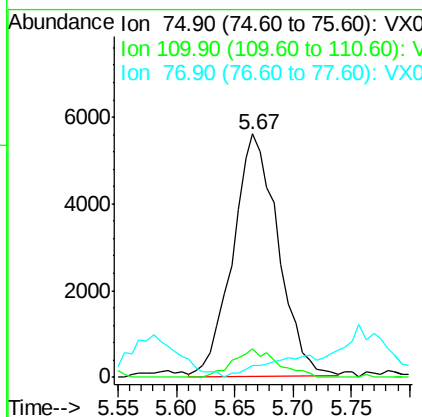
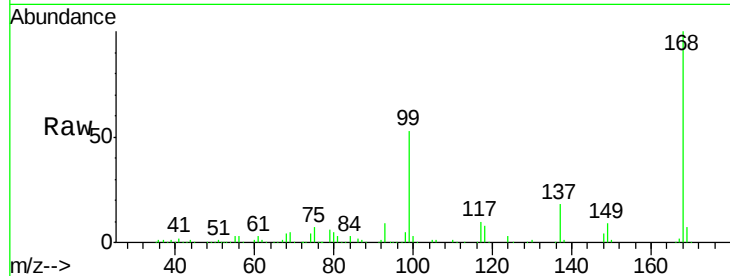




#36
 1,1-Dichloropropene
 Concen: 4.49 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

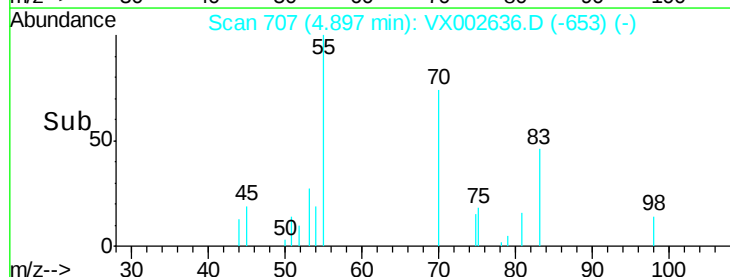
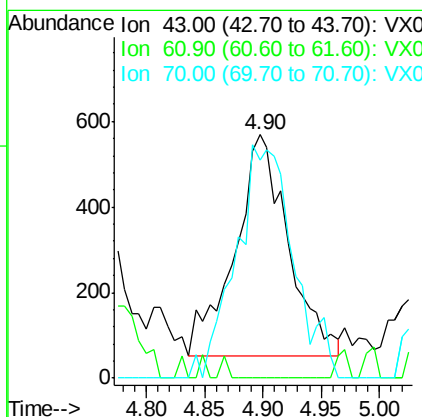
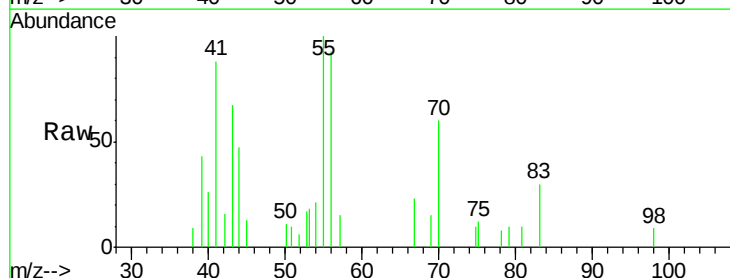
Instrument :
 MSVOA_X
 ClientSampleId :

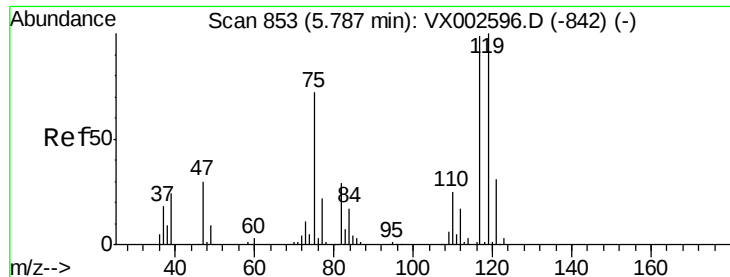
Tot Ion: 75 Resp: 15117
 Ion Ratio Lower Upper
 75 100
 110 11.6 18.1 54.4#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 0.44 ug/l
 RT: 4.90 min Scan# 707
 Delta R.T. 0.03 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion: 43 Resp: 1662
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.4 15.6#
 70 112.7 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 6.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampleId :

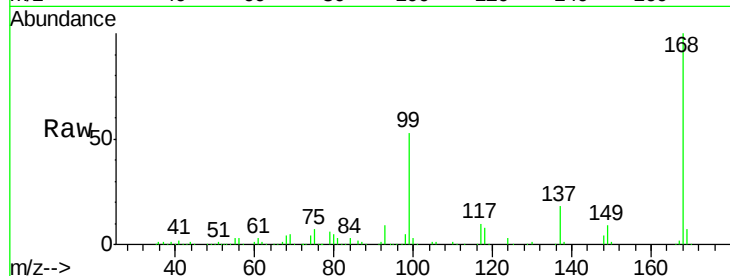
Tot Ion:117 Resp: 20589

Ion Ratio Lower Upper

117 100

119 4.3 77.4 116.0#

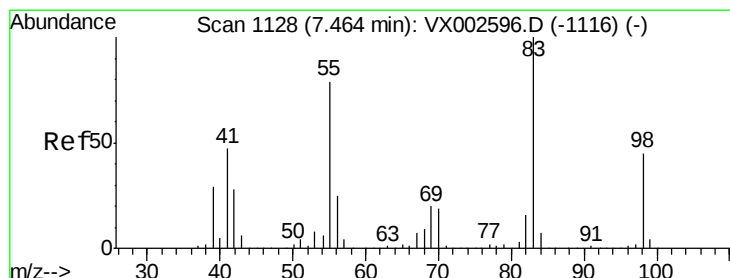
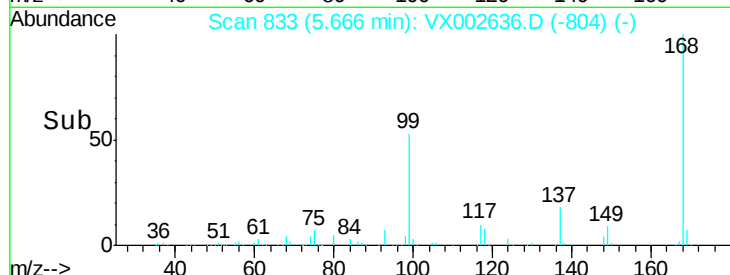
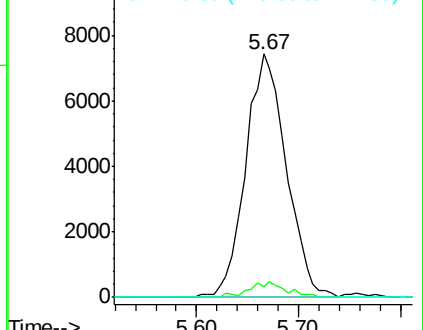
121 0.0 24.4 36.6#



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: 19.99 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

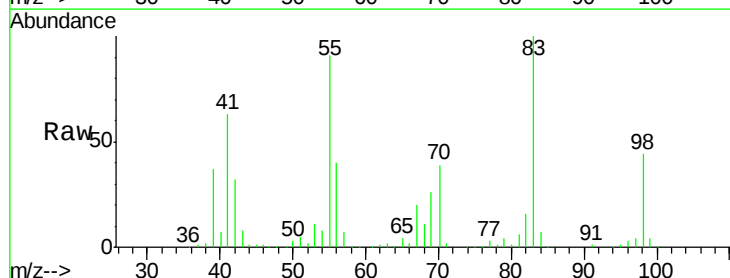
Tgt Ion: 83 Resp: 78657

Ion Ratio Lower Upper

83 100

55 90.5 65.4 98.0

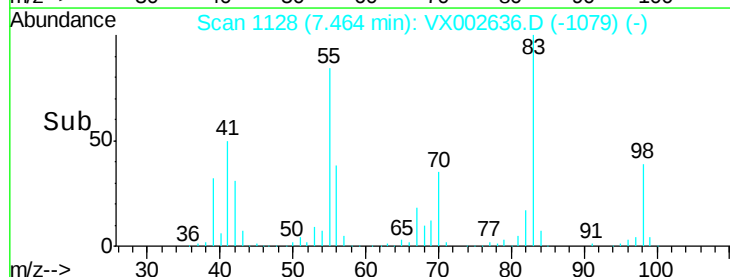
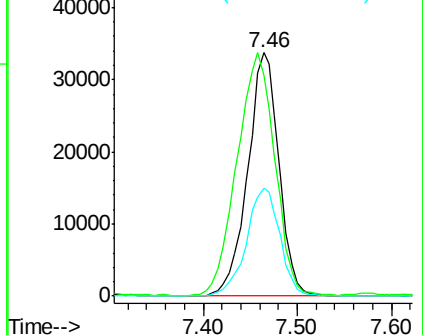
98 44.4 37.4 56.0

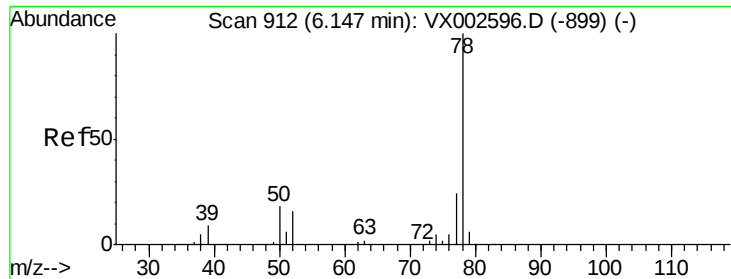


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.23 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

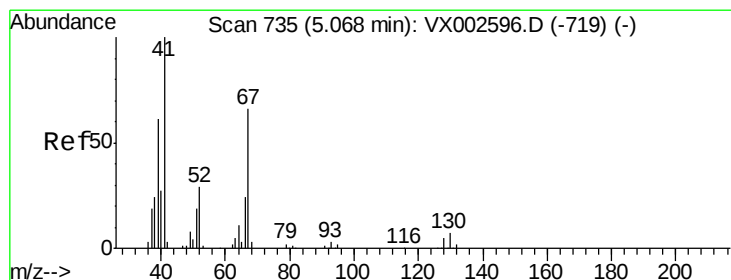
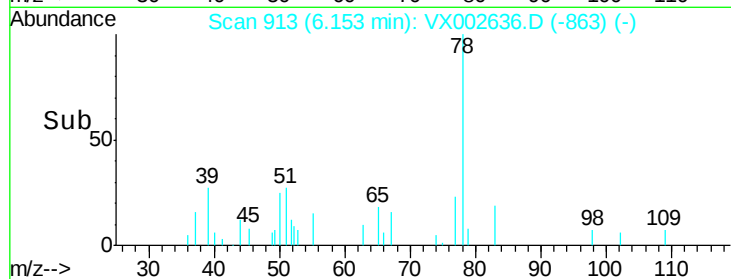
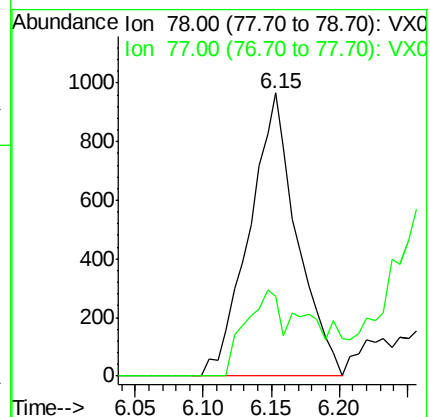
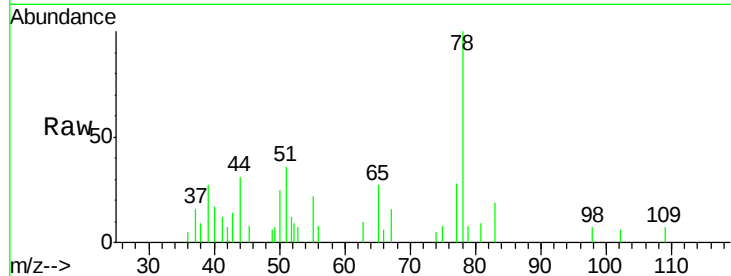
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 78 Resp: 2364

Ion Ratio Lower Upper

78 100

77 28.3 19.1 28.7



#41

Methacrylonitrile

Concen: 1.07 ug/l

RT: 5.03 min Scan# 728

Delta R.T. -0.04 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Tgt Ion: 41 Resp: 2293

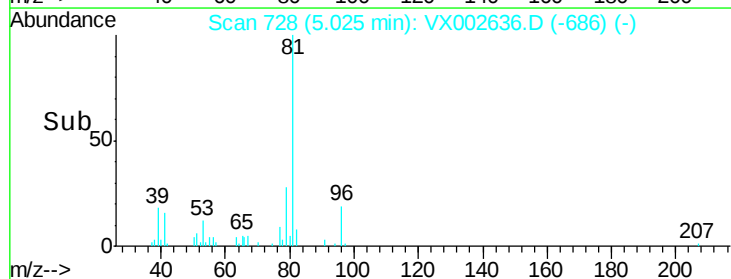
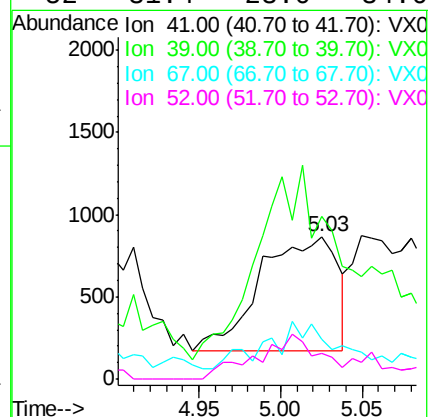
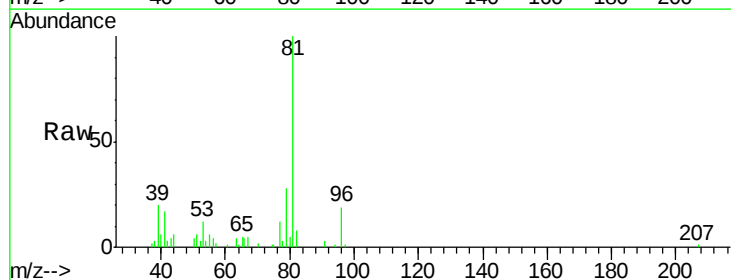
Ion Ratio Lower Upper

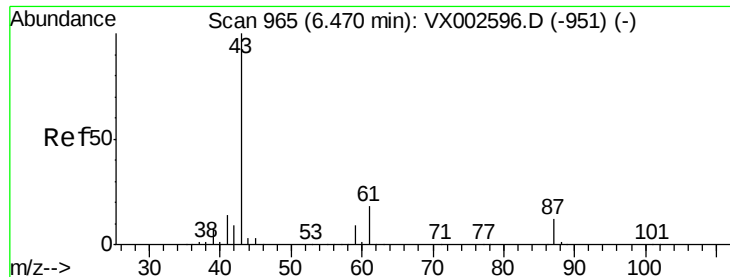
41 100

39 166.4 45.8 68.6#

67 0.0 51.3 76.9#

52 31.4 23.0 34.6



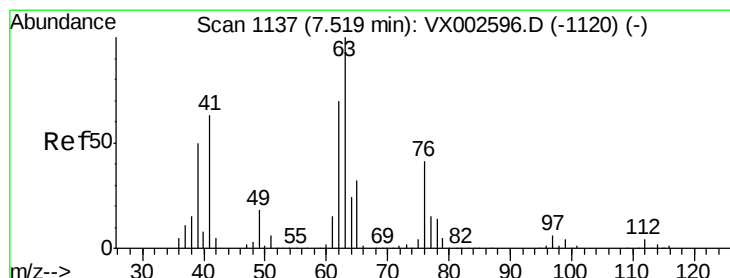
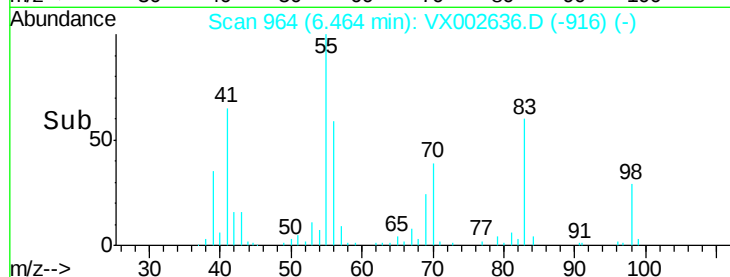
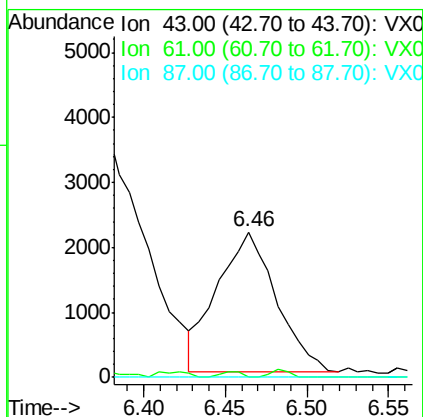
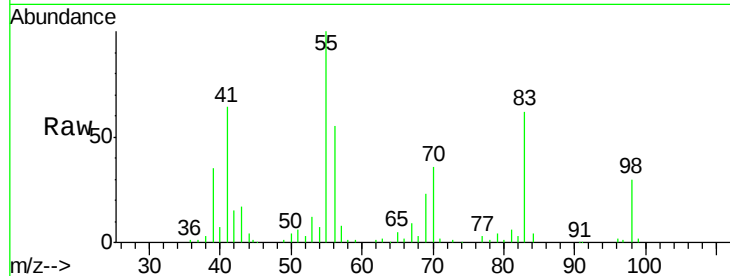


#43

Isopropyl Acetate
 Concen: 0.87 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Instrument :
 MSVOA_X
 ClientSampled :

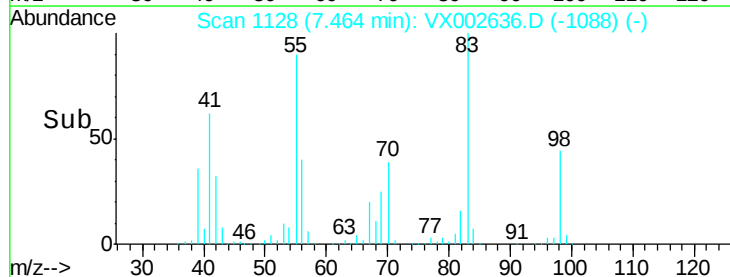
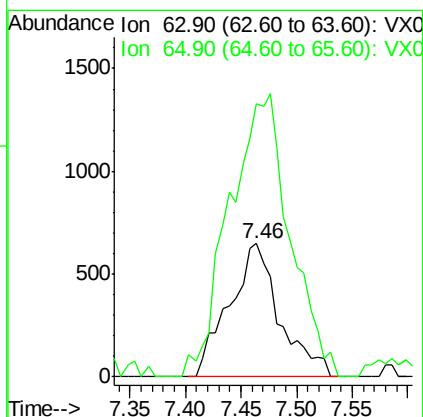
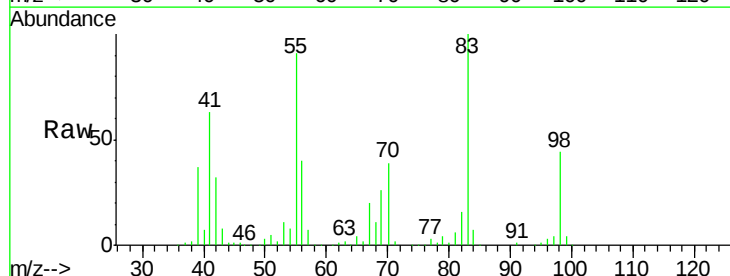
Tot Ion	Ratio	Lower	Upper
43	100		
61	1.5	14.4	21.6#
87	0.0	9.5	14.3#

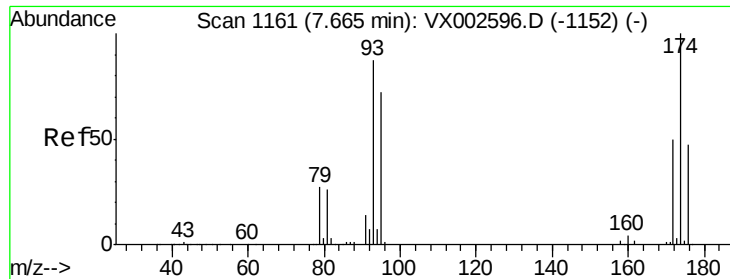


#45

1,2-Dichloropropane
 Concen: 0.77 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.05 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion	Ratio	Lower	Upper
63	100		
65	204.9	24.7	37.1#





#46

Dibromomethane

Concen: 0.22 ug/l

RT: 7.65 min Scan# 1158

Delta R.T. -0.02 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampled :

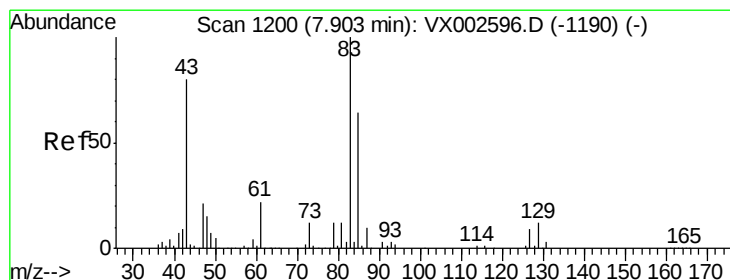
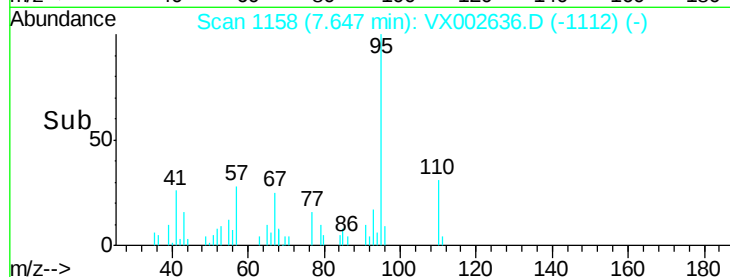
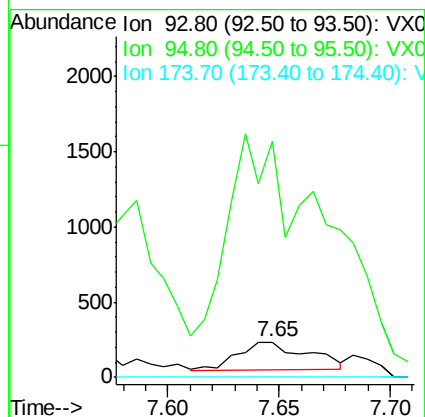
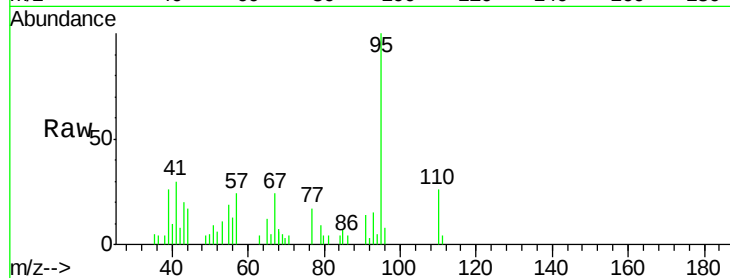
Tot Ion: 93 Resp: 396

Ion Ratio Lower Upper

93 100

95 606.8 65.9 98.9#

174 0.0 92.4 138.6#



#47

Bromodichloromethane

Concen: 0.31 ug/l

RT: 7.96 min Scan# 1209

Delta R.T. 0.05 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

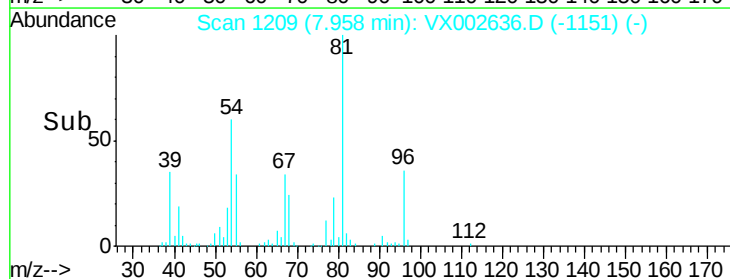
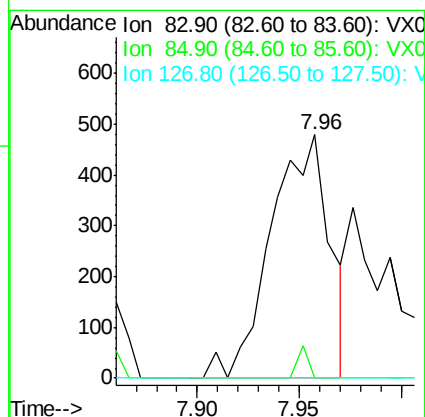
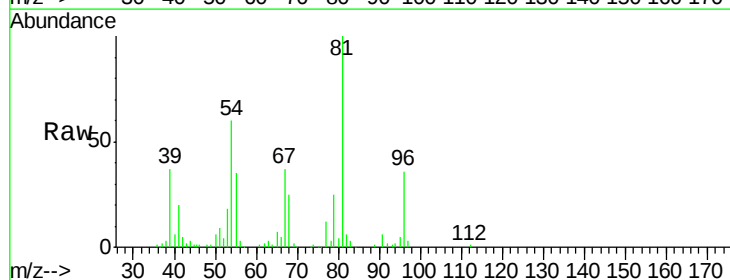
Tgt Ion: 83 Resp: 961

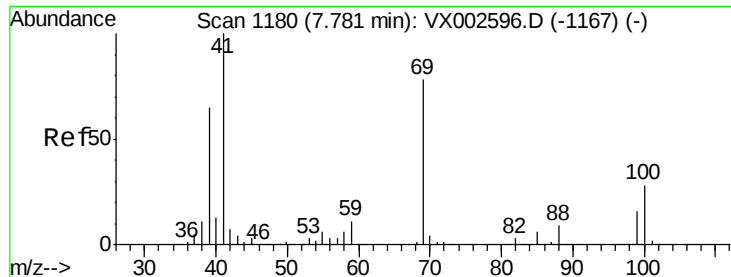
Ion Ratio Lower Upper

83 100

85 0.0 50.3 75.5#

127 0.0 7.0 10.4#

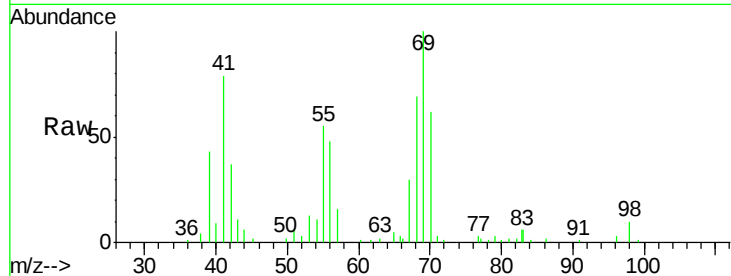




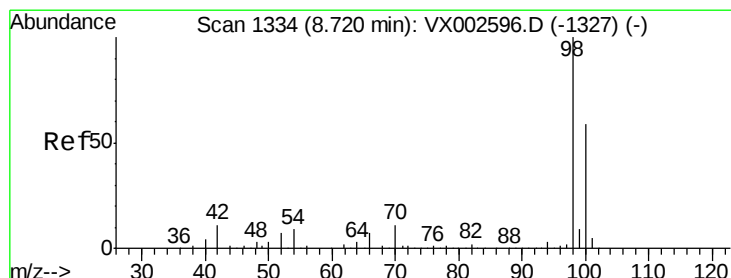
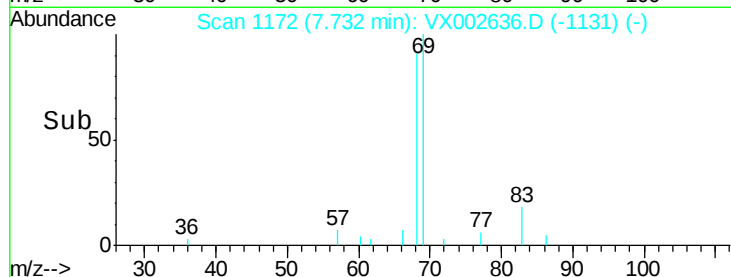
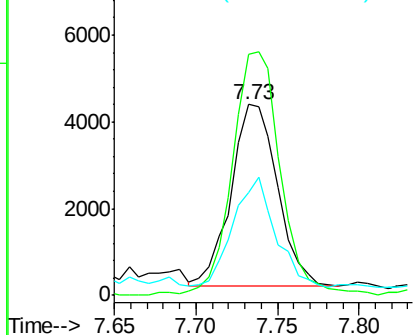
#48
Methvl methacrylate
Concen: 2.58 ug/l
RT: 7.73 min Scan# 1172
Delta R.T. -0.05 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 8311
Ion Ratio Lower Upper
41 100
69 139.6 59.1 88.7#
39 54.7 48.9 73.3

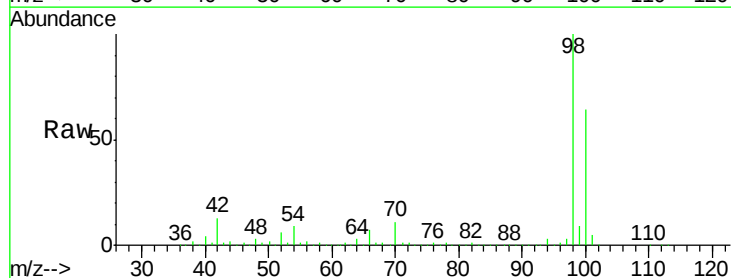


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

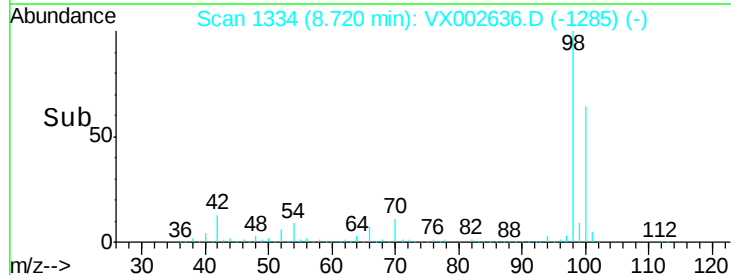
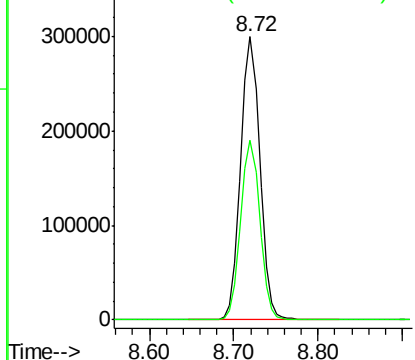


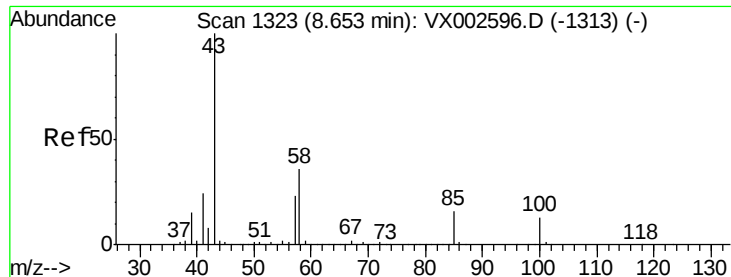
#50
Toluene-d8
Concen: 47.76 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion: 98 Resp: 458713
Ion Ratio Lower Upper
98 100
100 63.4 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: 0.33 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

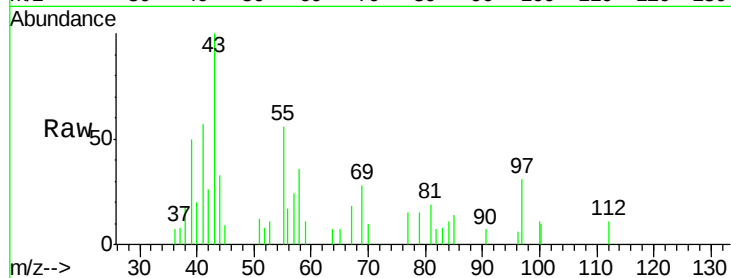
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1338

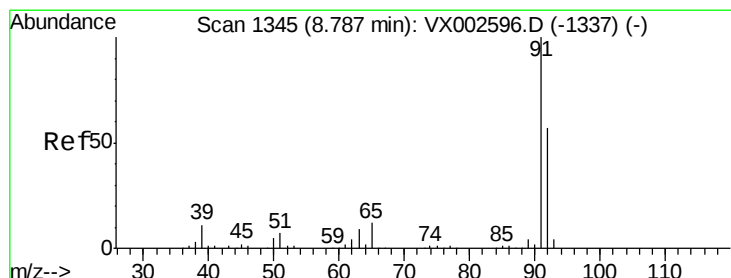
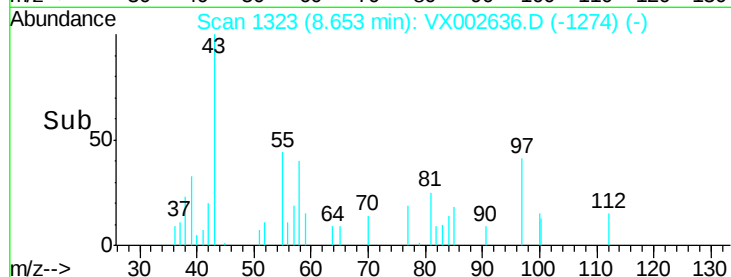
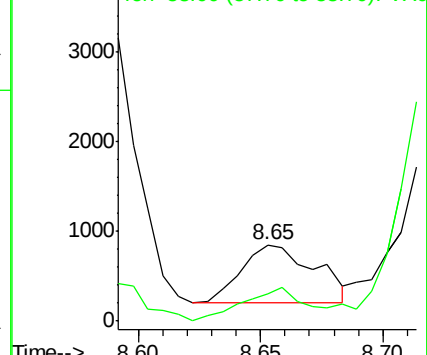
Ion Ratio Lower Upper

43 100

58 49.8 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: 14.09 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX002636.D

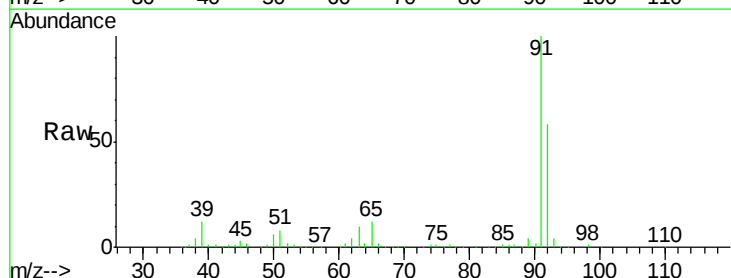
Acq: 16 Jun 2018 09:50

Tgt Ion: 92 Resp: 90730

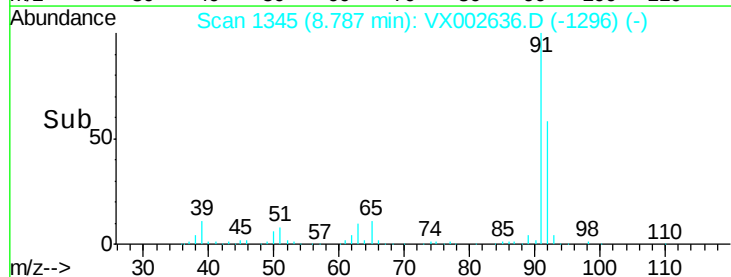
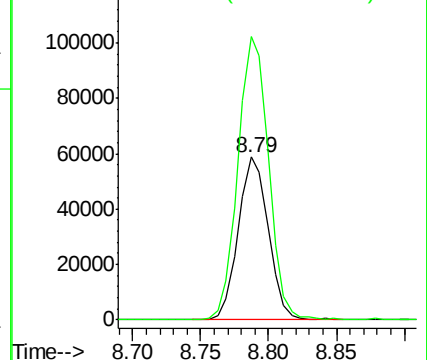
Ion Ratio Lower Upper

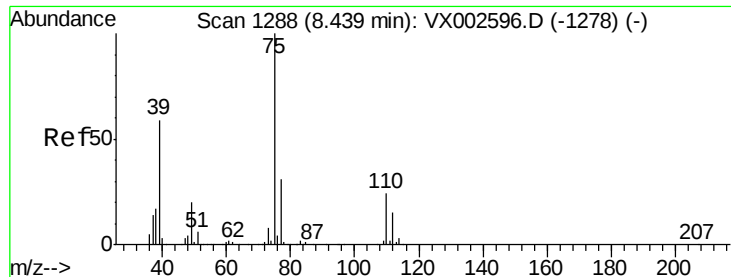
92 100

91 177.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0
Ion 91.00 (90.70 to 91.70): VX0

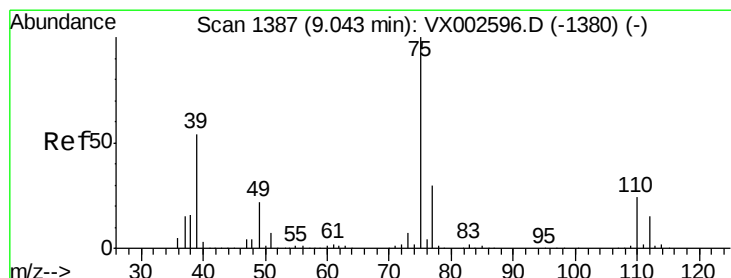
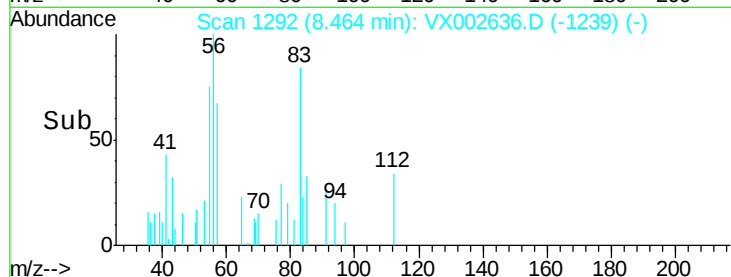
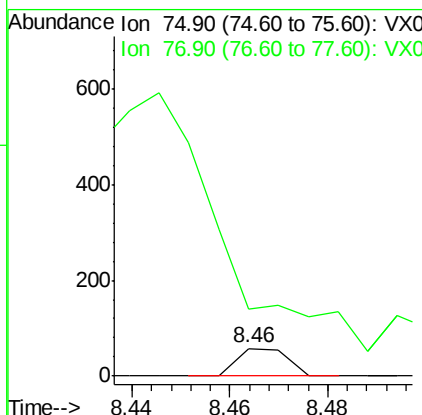
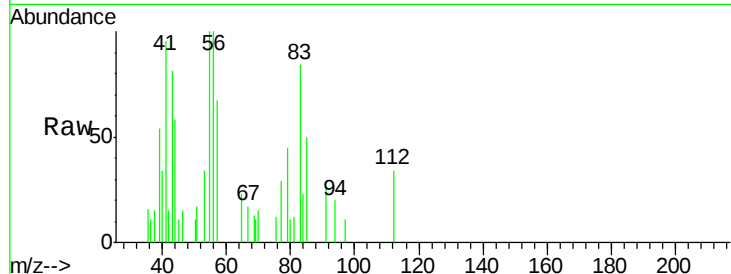




#53
 t-1,3-Dichloropropene
 Concen: 2.40 ug/l
 RT: 8.46 min Scan# 1292
 Delta R.T. 0.02 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

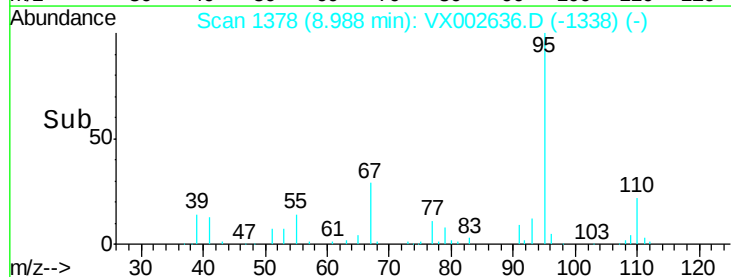
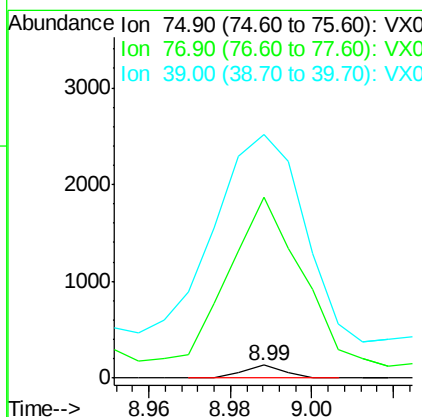
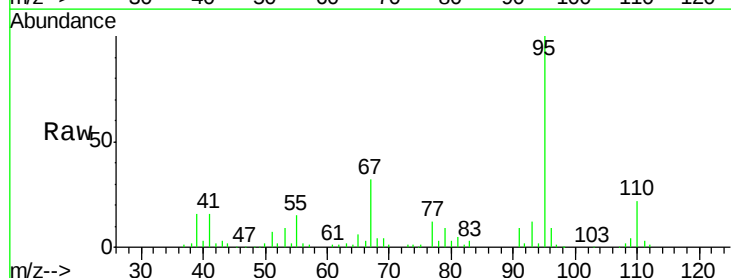
Instrument :
 MSVOA_X
 ClientSampleId :

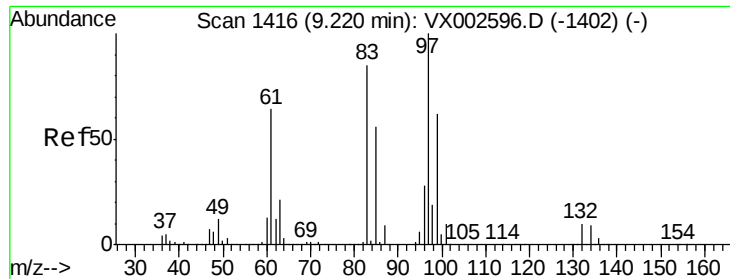
Tot Ion: 75 Resp: 41
 Ion Ratio Lower Upper
 75 100
 77 10.5 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 3.23 ug/l
 RT: 8.99 min Scan# 1378
 Delta R.T. -0.05 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion: 75 Resp: 87
 Ion Ratio Lower Upper
 75 100
 77 1242.7 24.8 37.2#
 39 1494.7 42.4 63.6#

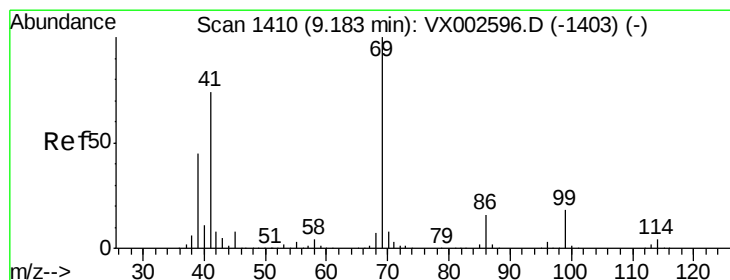
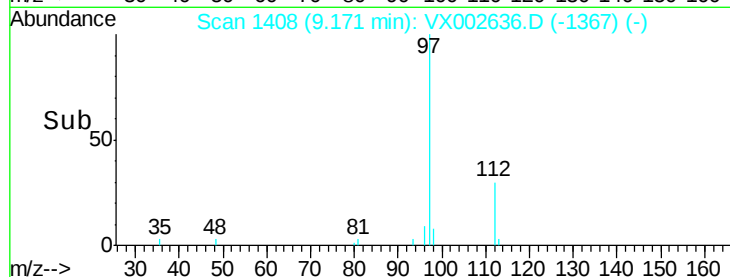
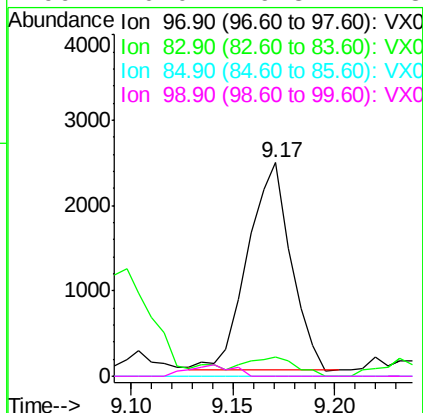
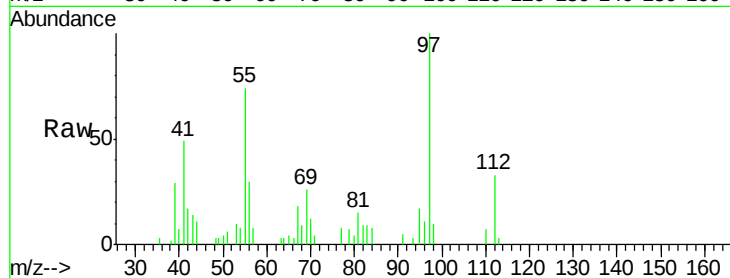




#55
 1,1,2-Trichloroethane
 Concen: 1.38 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.05 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

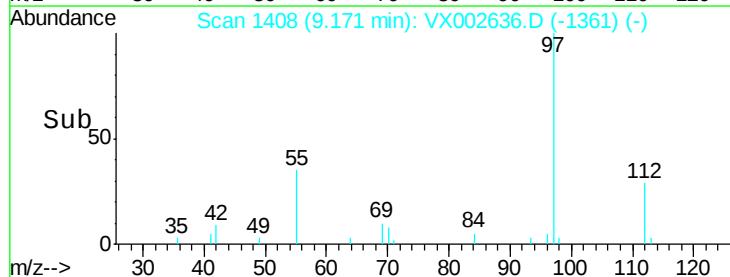
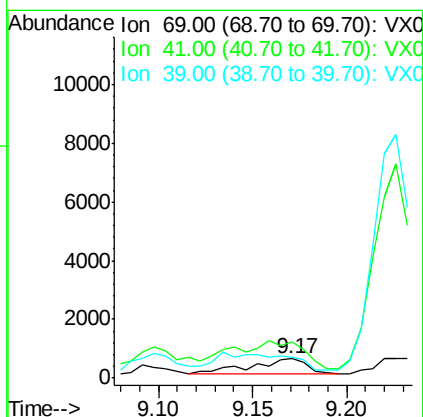
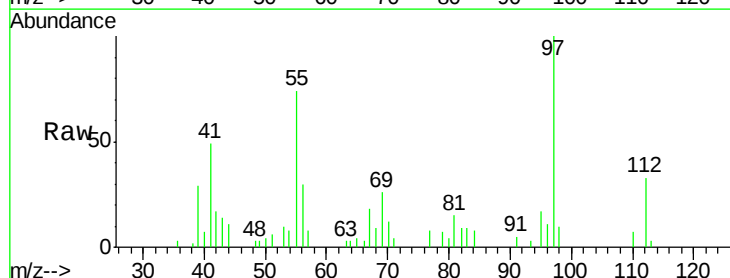
Instrument :
 MSVOA_X
 ClientSampleId :

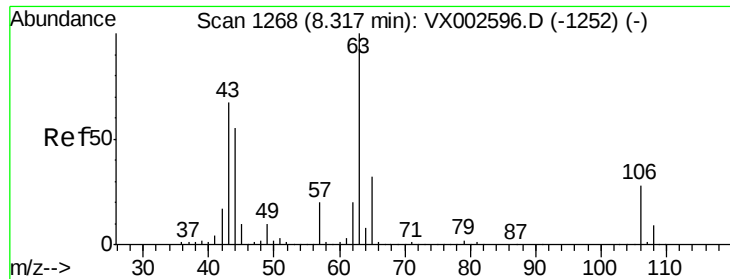
Tot Ion: 97 Resp: 3603
 Ion Ratio Lower Upper
 97 100
 83 9.0 70.2 105.2#
 85 0.0 44.9 67.3#
 99 0.0 49.8 74.8#



#56
 Ethyl methacrylate
 Concen: 0.28 ug/l
 RT: 9.17 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion: 69 Resp: 1123
 Ion Ratio Lower Upper
 69 100
 41 227.2 60.3 90.5#
 39 0.0 35.8 53.8#

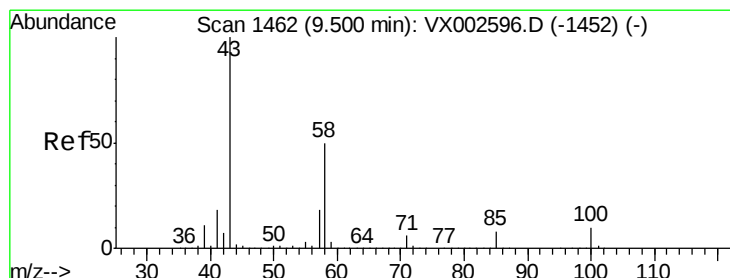
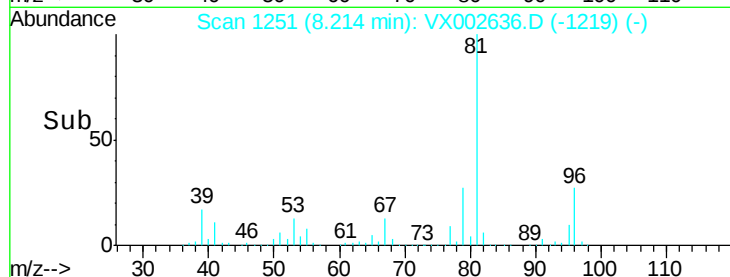
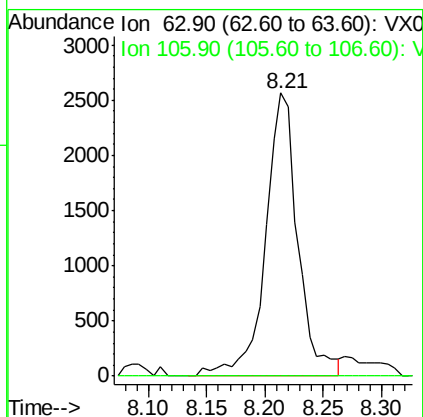
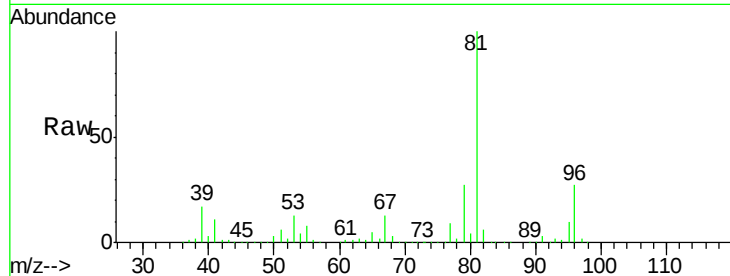




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.57 ug/l
 RT: 8.21 min Scan# 1251
 Delta R.T. -0.10 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

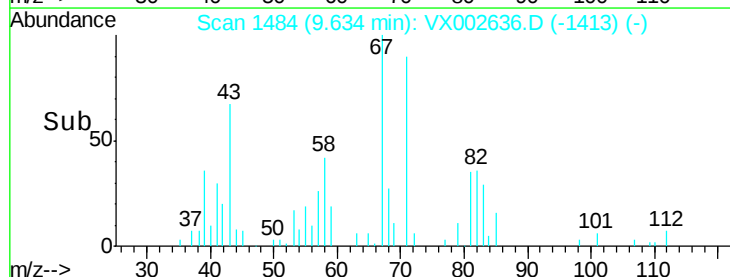
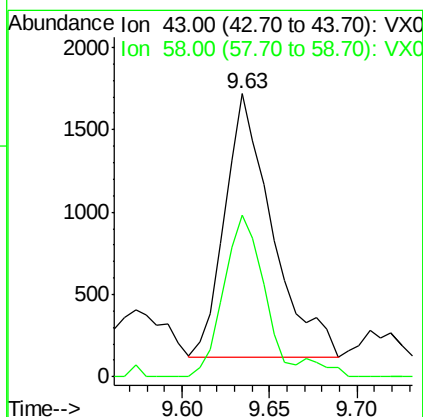
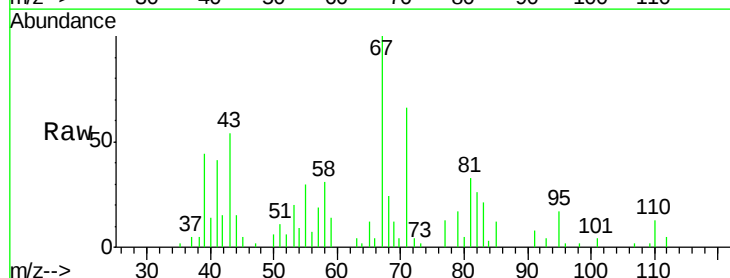
Instrument :
 MSVOA_X
 ClientSampleId :

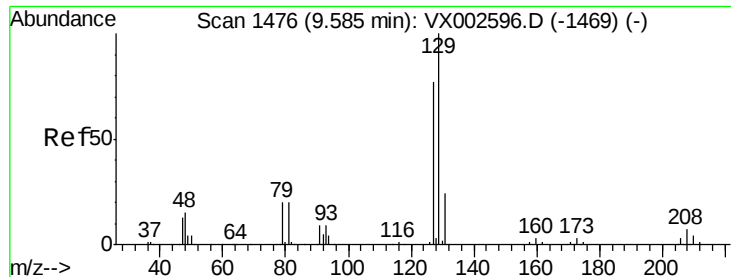
Tot Ion: 63 Resp: 4975
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#



#59
 2-Hexanone
 Concen: 0.99 ug/l
 RT: 9.63 min Scan# 1484
 Delta R.T. 0.13 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion: 43 Resp: 3013
 Ion Ratio Lower Upper
 43 100
 58 51.7 24.6 73.6





#60

Dibromochloromethane

Concen: 3.80 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

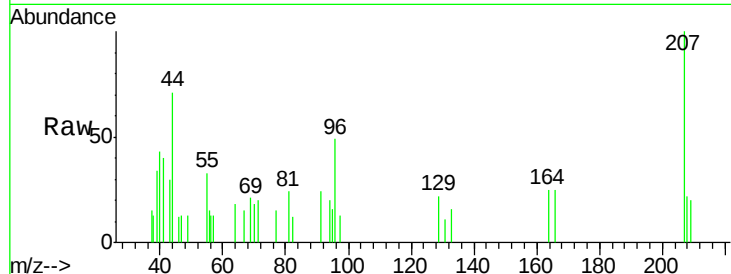
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 112

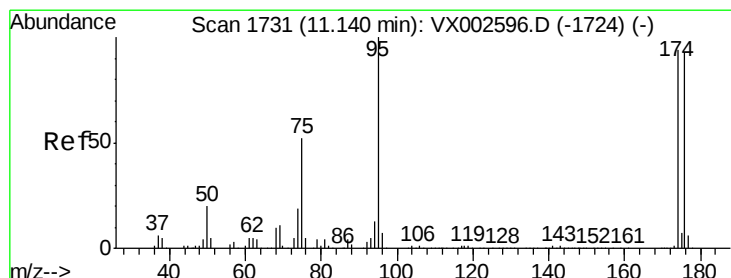
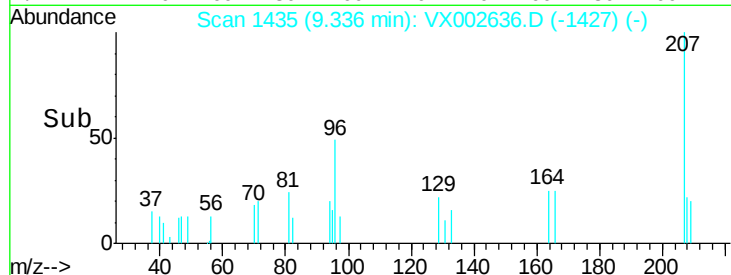
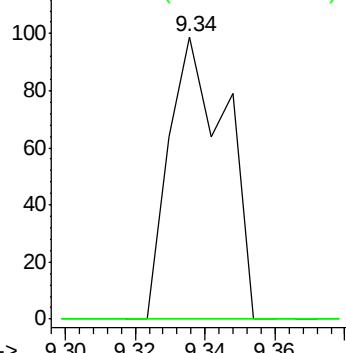
Ion Ratio Lower Upper

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: 46.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

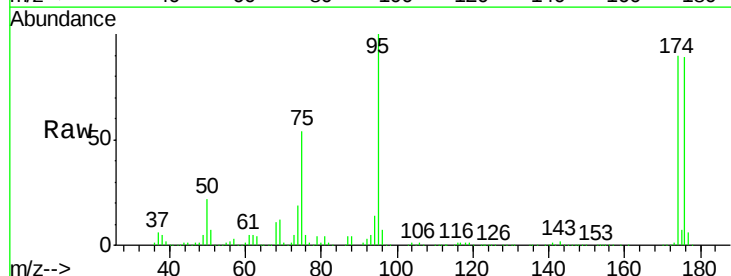
Tgt Ion: 95 Resp: 167817

Ion Ratio Lower Upper

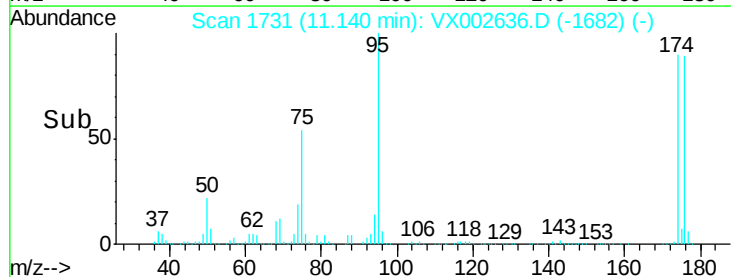
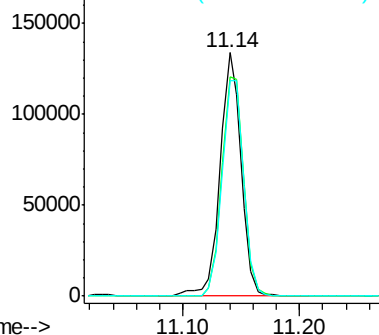
95 100

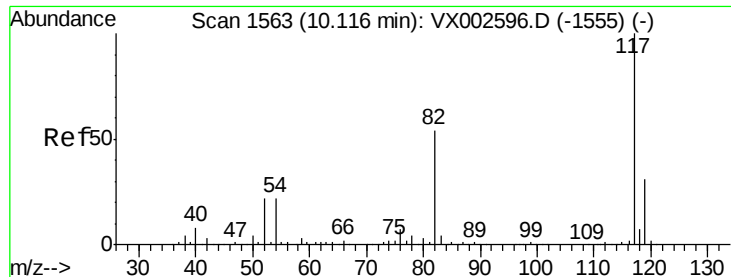
174 93.6 0.0 187.4

176 91.7 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

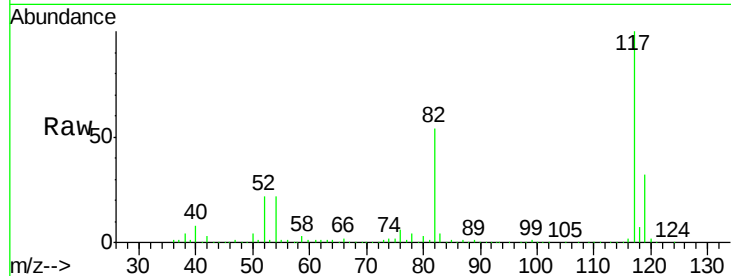




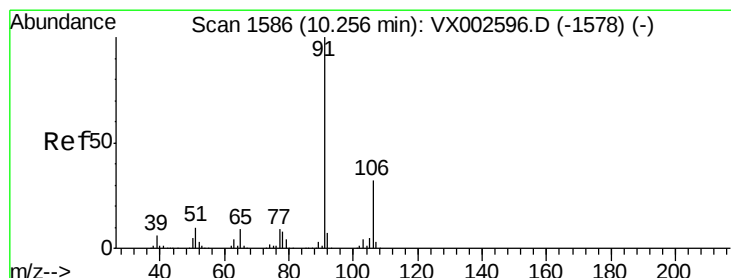
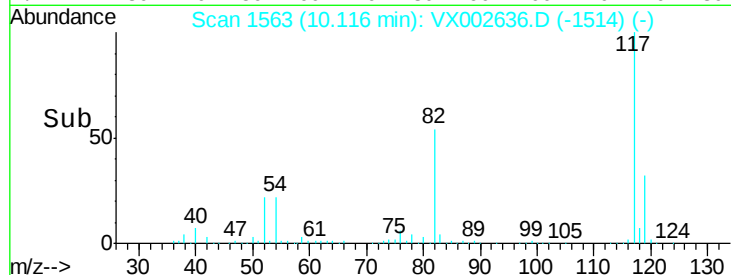
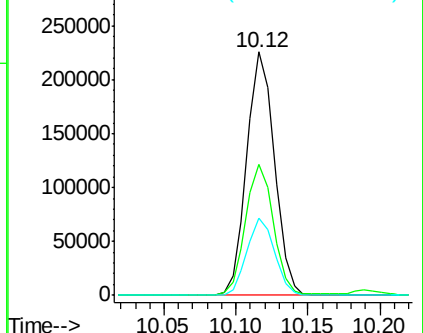
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 300320
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 31.5 25.8 38.6

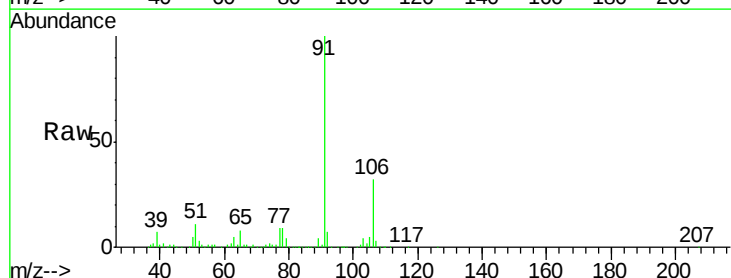


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

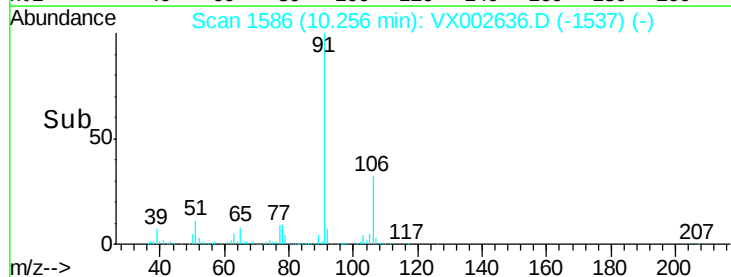
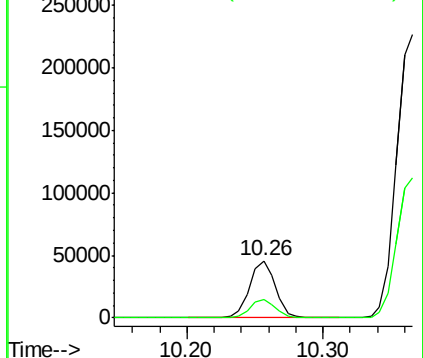


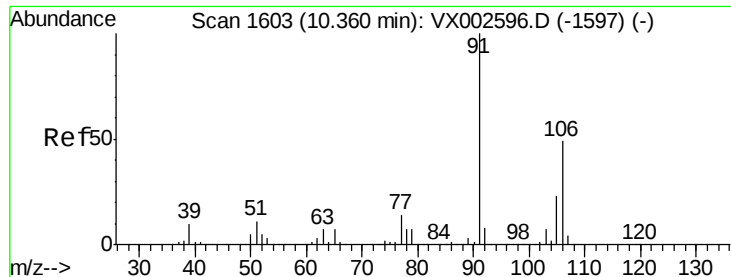
#67
Ethyl Benzene
Concen: 4.82 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion: 91 Resp: 60005
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



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

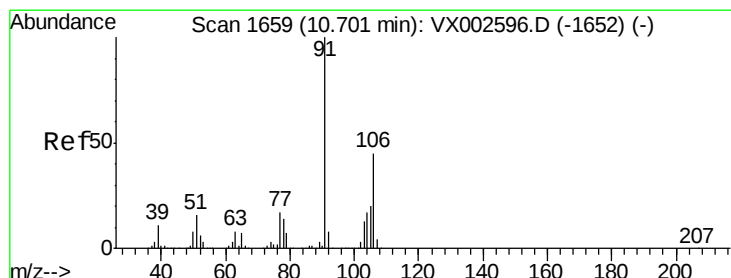
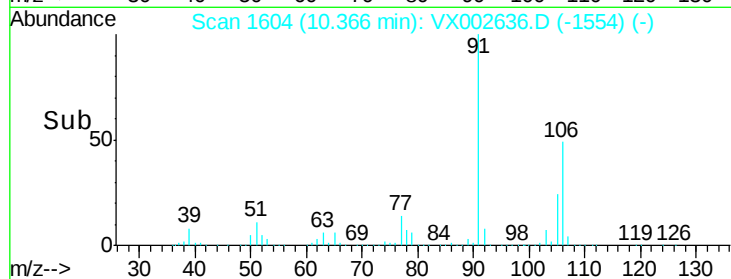
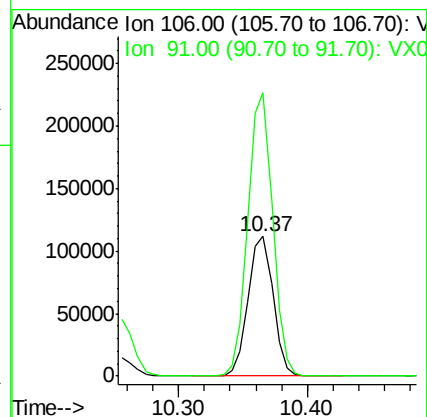
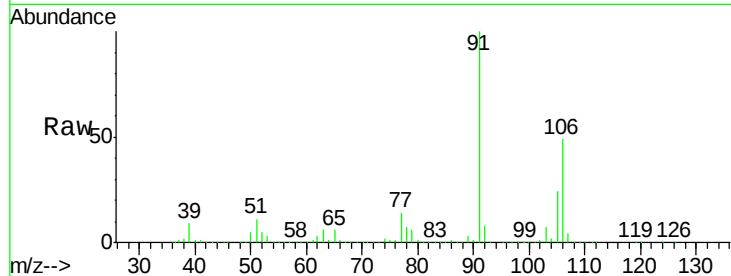




#68
m/p-Xylenes
Concen: 31.25 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

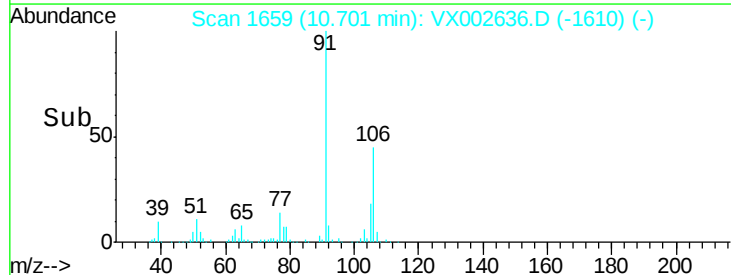
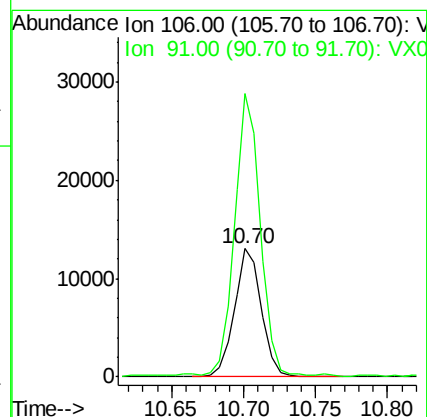
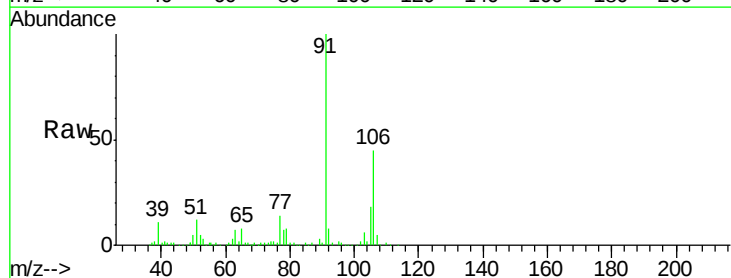
Instrument :
MSVOA_X
ClientSampled :

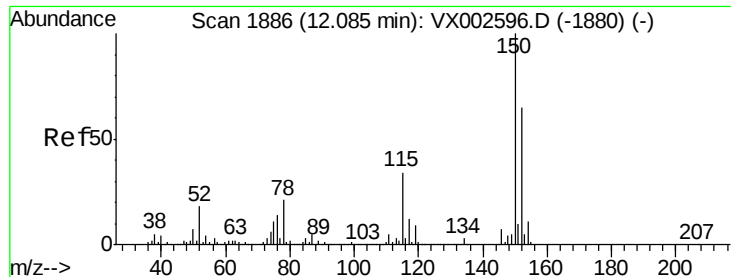
Tot Ion:106 Resp: 149967
Ion Ratio Lower Upper
106 100
91 199.1 163.4 245.2



#69
o-Xylene
Concen: 3.63 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX002636.D
Acq: 16 Jun 2018 09:50

Tgt Ion:106 Resp: 17113
Ion Ratio Lower Upper
106 100
91 209.3 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampleId :

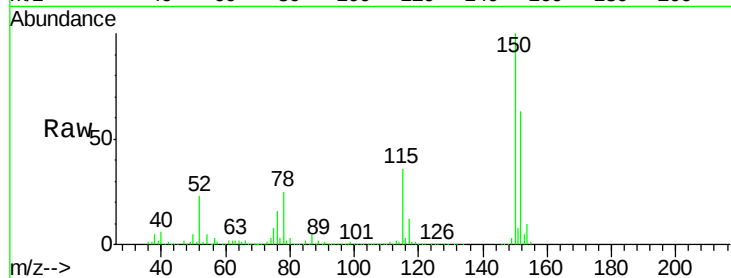
Tot Ion:152 Resp: 177329

Ion Ratio Lower Upper

152 100

115 55.3 40.1 120.2

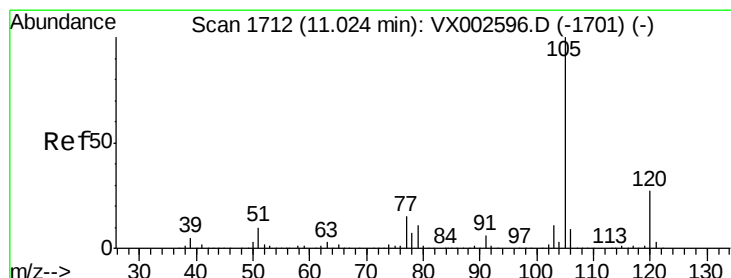
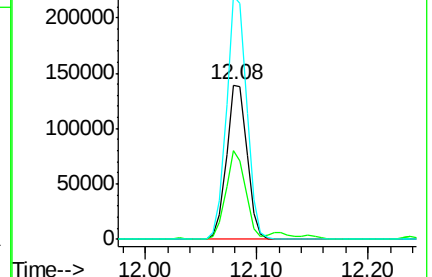
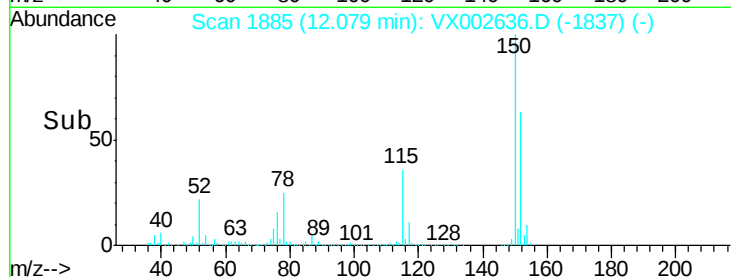
150 155.9 0.0 347.2



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: 15.82 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX002636.D

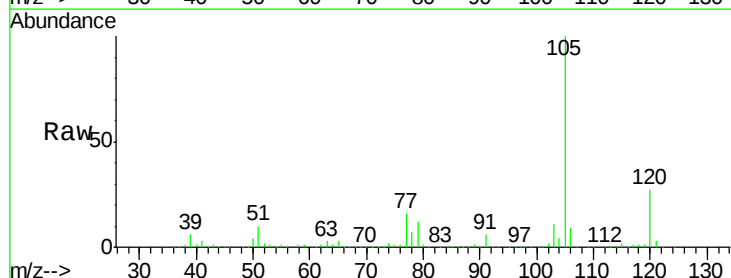
Acq: 16 Jun 2018 09:50

Tgt Ion:105 Resp: 187654

Ion Ratio Lower Upper

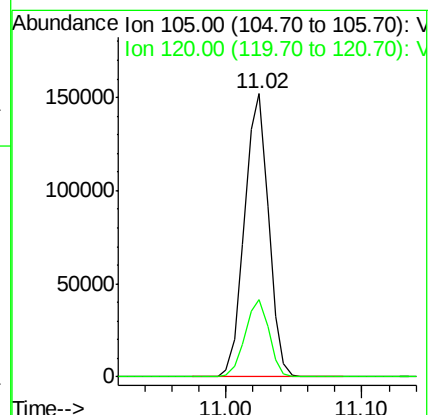
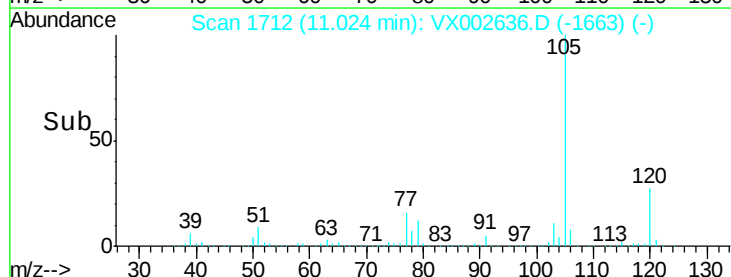
105 100

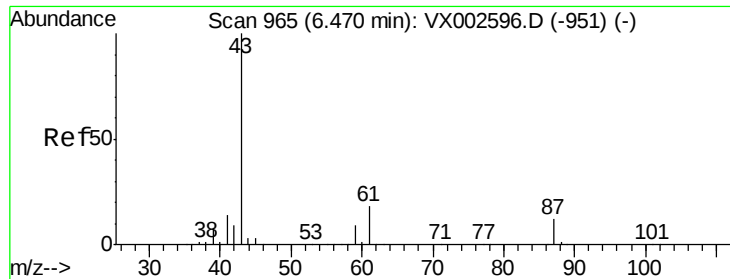
120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.93 ug/l

RT: 6.46 min Scan# 964

Delta R.T. -0.01 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 43 Resp: 5485

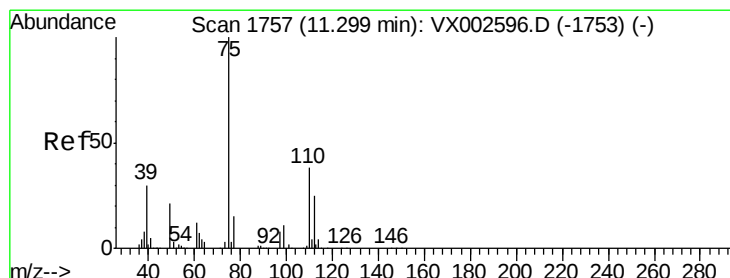
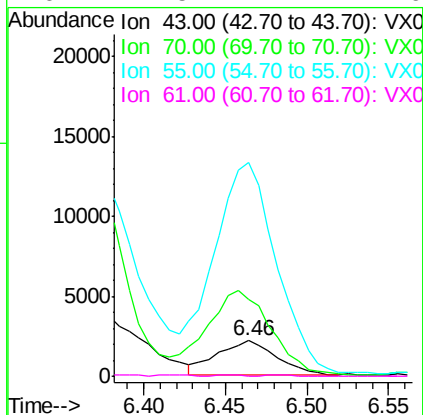
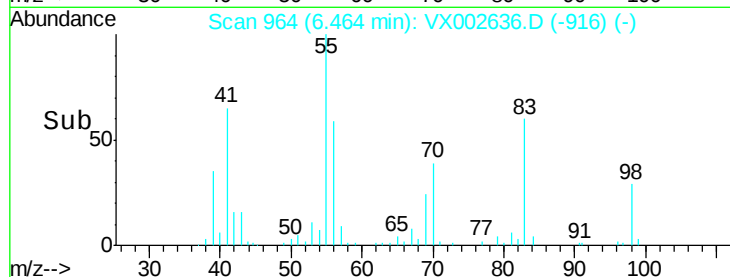
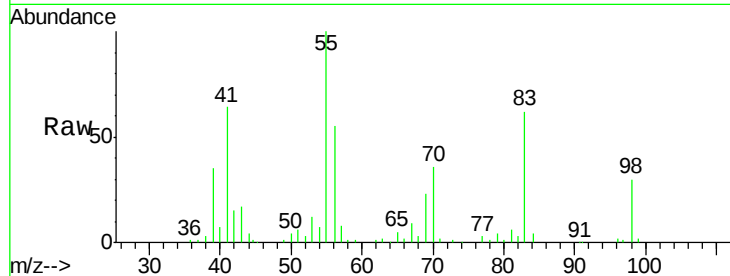
Ion Ratio Lower Upper

43 100

70 270.3 0.0 0.0#

55 643.8 0.0 0.0#

61 1.5 14.4 21.6#



#76

1,2,3-Trichloropropane

Concen: 1.53 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.07 min

Lab File: VX002636.D

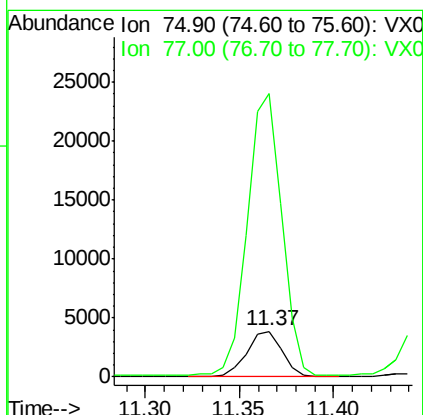
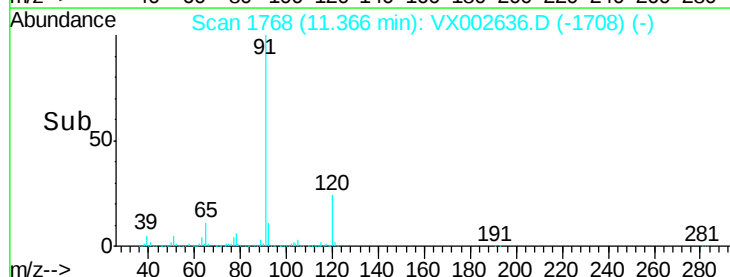
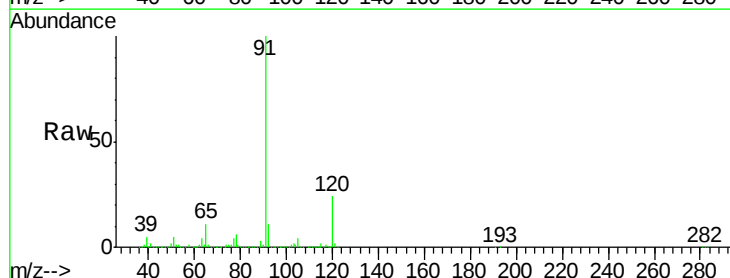
Acq: 16 Jun 2018 09:50

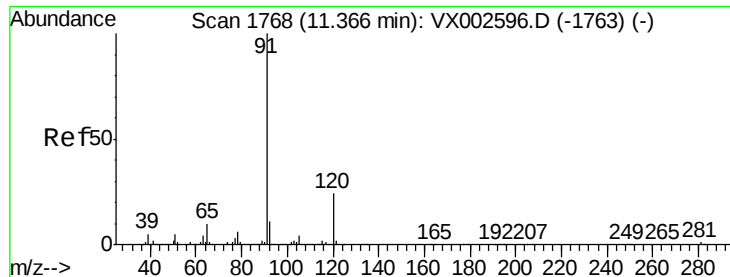
Tgt Ion: 75 Resp: 5113

Ion Ratio Lower Upper

75 100

77 593.2 22.8 68.3#





#78

n-propylbenzene

Concen: 54.94 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

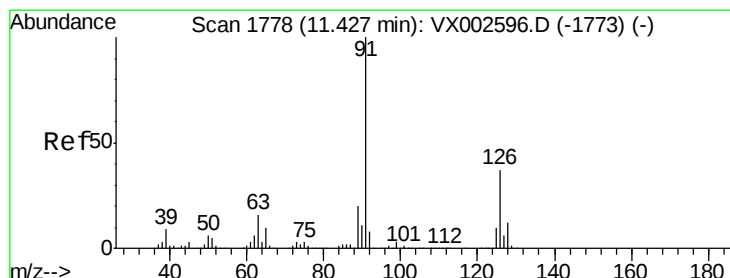
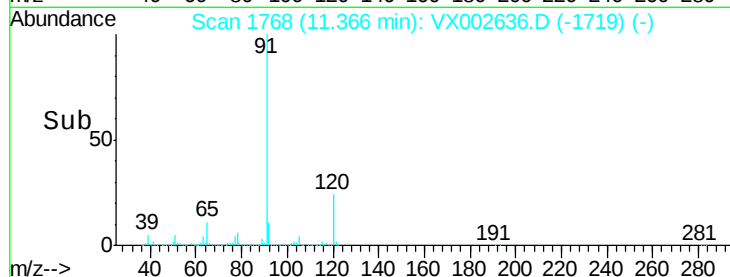
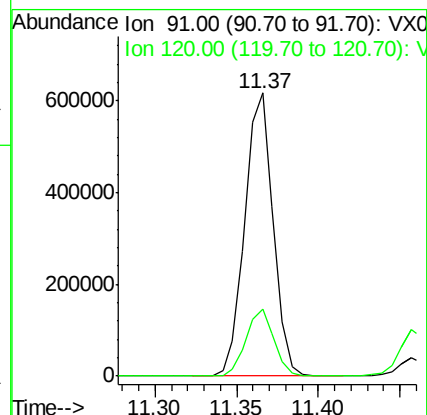
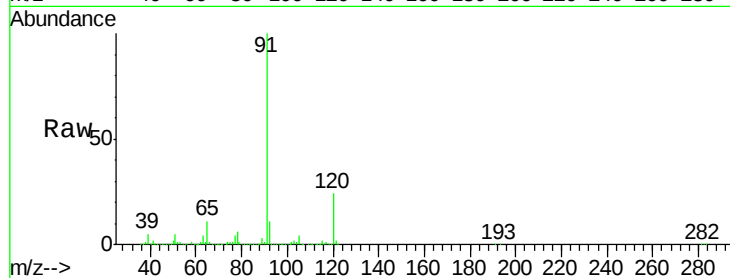
ClientSampleId :

Tot Ion: 91 Resp: 747242

Ion Ratio Lower Upper

91 100

120 23.5 11.8 35.4



#79

2-Chlorotoluene

Concen: 5.83 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. 0.03 min

Lab File: VX002636.D

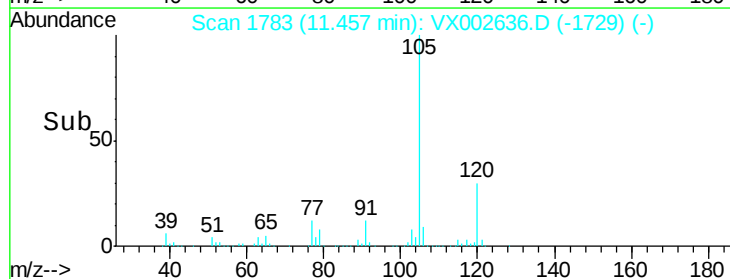
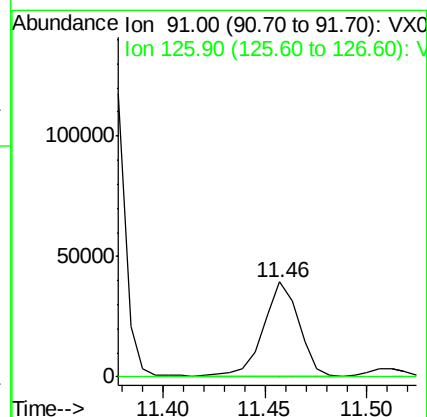
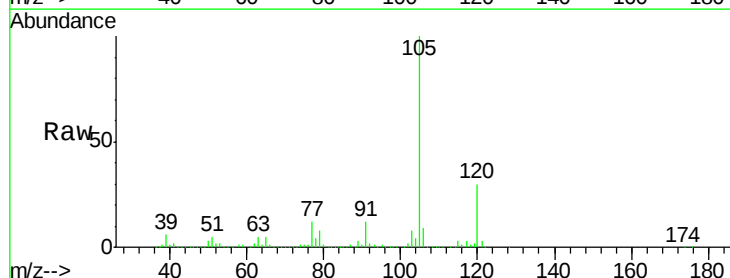
Acq: 16 Jun 2018 09:50

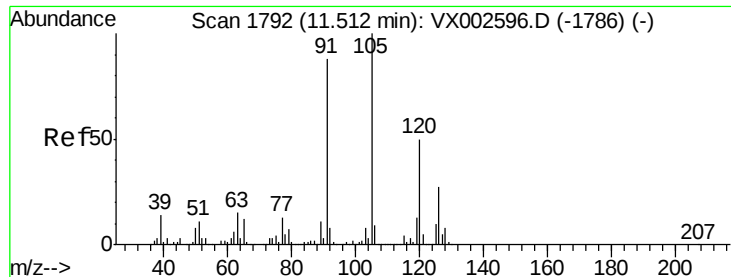
Tgt Ion: 91 Resp: 47335

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#





#80

1,3,5-Trimethylbenzene

Concen: 3.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

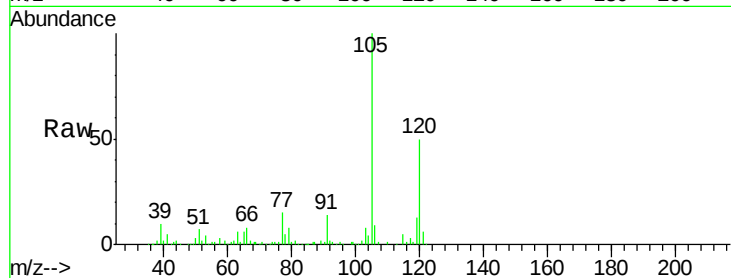
ClientSampled :

Tot Ion:105 Resp: 30758

Ion Ratio Lower Upper

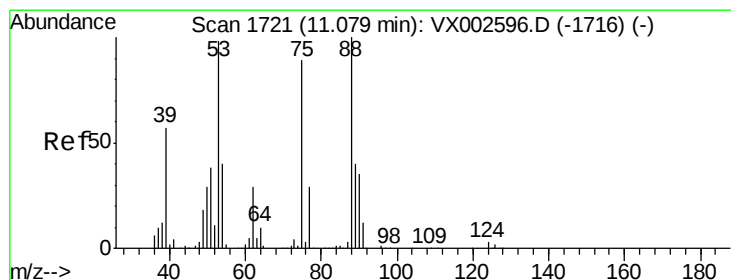
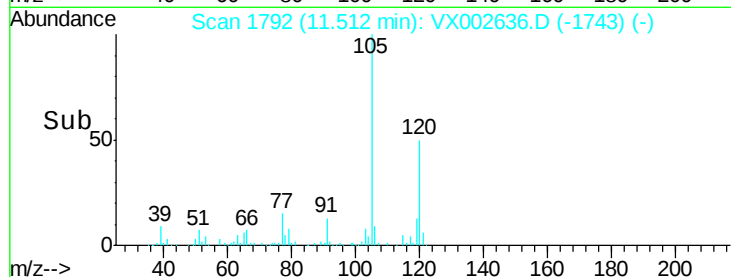
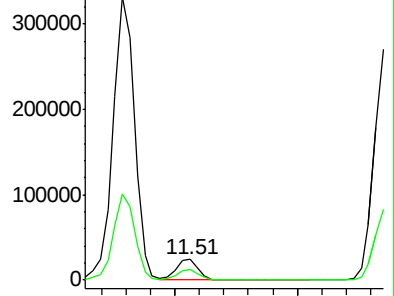
105 100

120 49.4 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 81.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

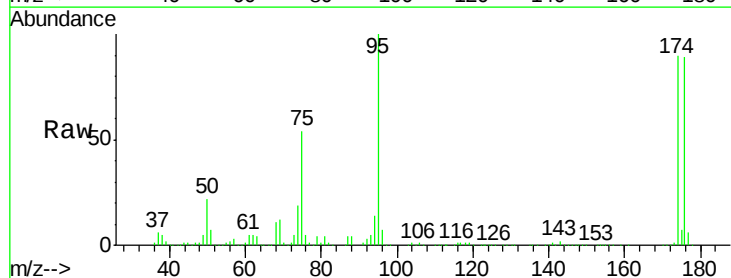
Tgt Ion: 75 Resp: 87754

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

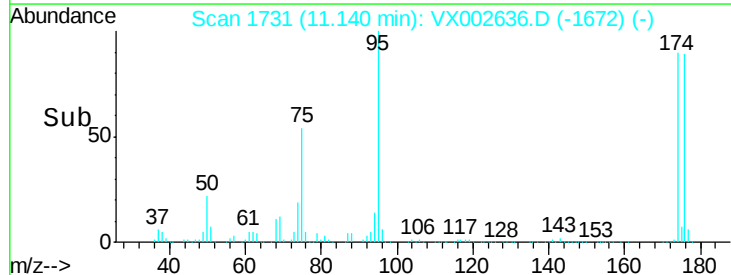
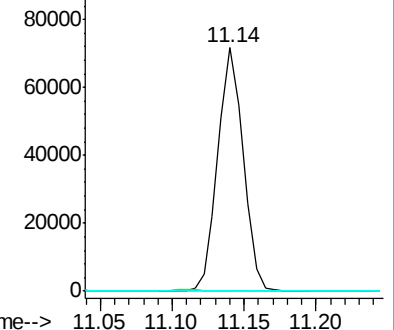
89 0.0 38.2 57.2#

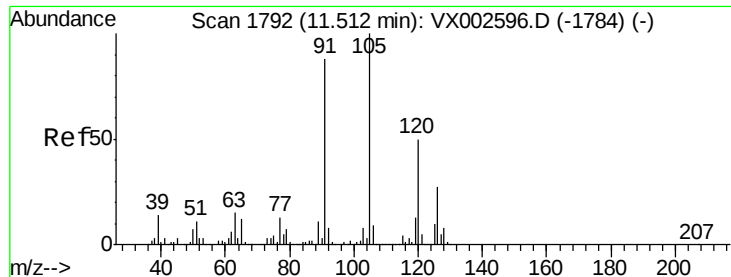


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#82

4-Chlorotoluene

Concen: 4.94 ug/l

RT: 11.46 min Scan# 1783

Delta R.T. -0.05 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

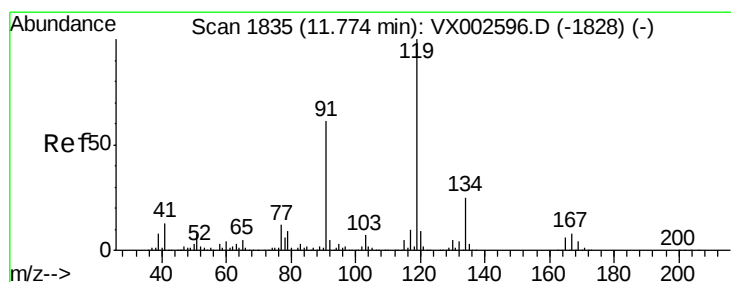
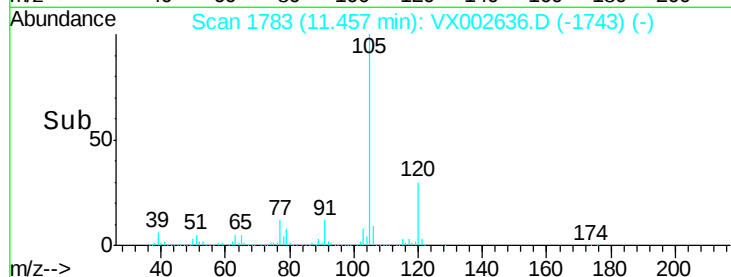
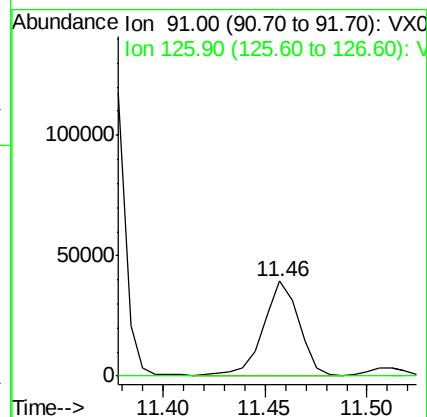
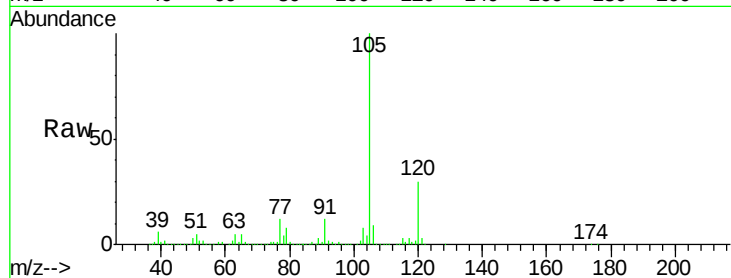
ClientSampled :

Tot Ion: 91 Resp: 47335

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.4#



#83

tert-Butylbenzene

Concen: 0.52 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

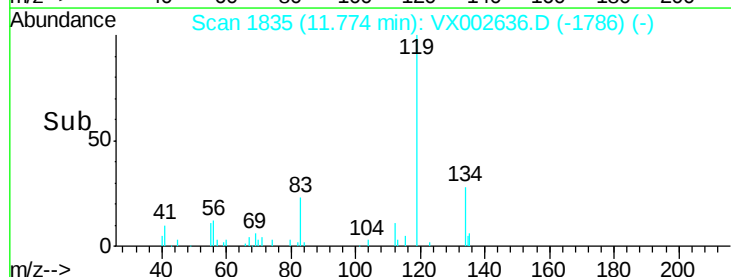
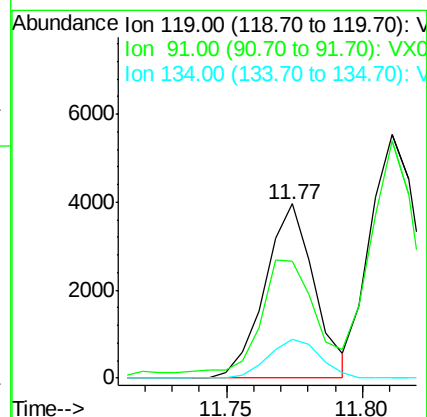
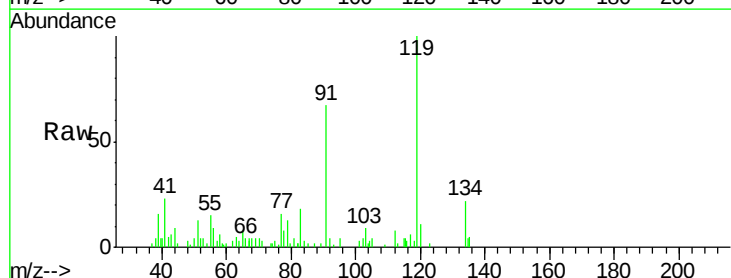
Tgt Ion: 119 Resp: 4998

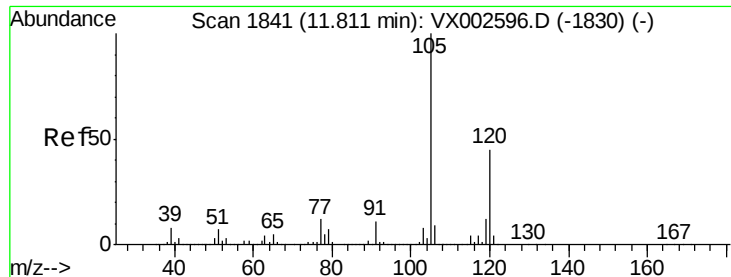
Ion Ratio Lower Upper

119 100

91 70.1 30.3 90.9

134 22.8 11.7 35.1

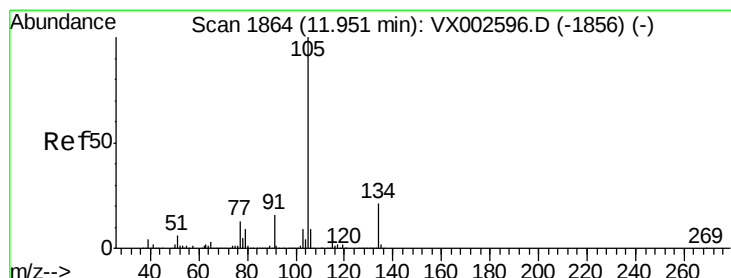
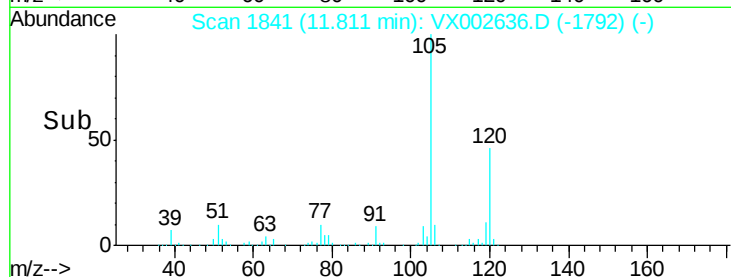
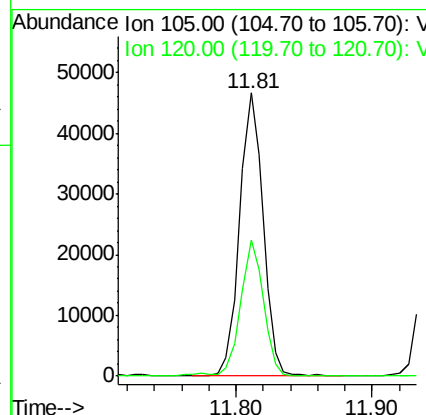
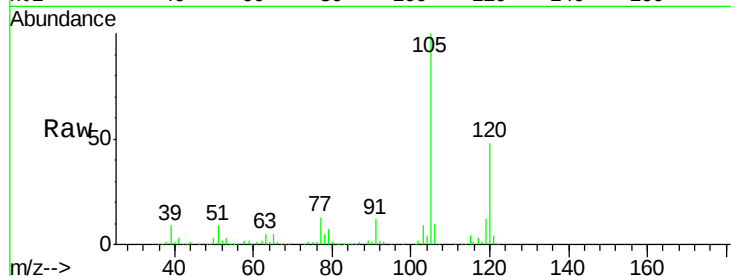




#84
 1,2,4-Trimethylbenzene
 Concen: 5.47 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

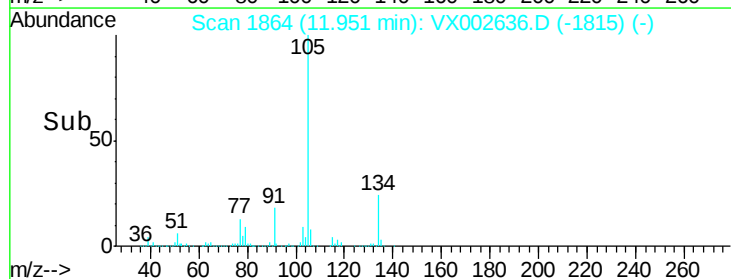
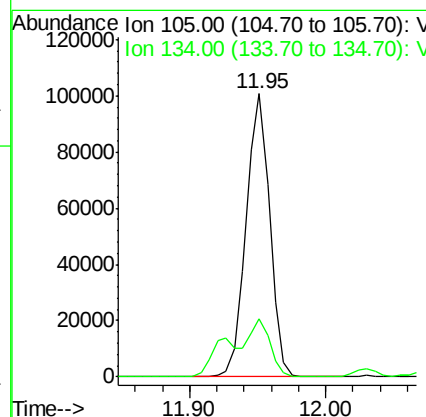
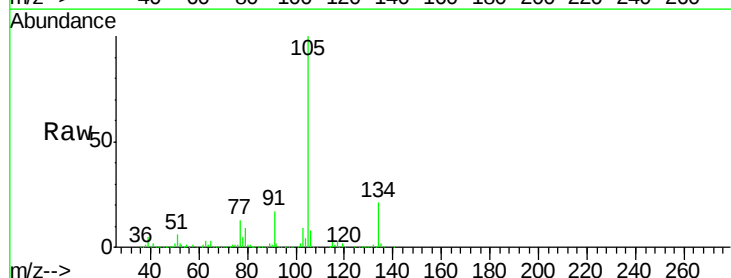
Instrument :
 MSVOA_X
 ClientSampled :

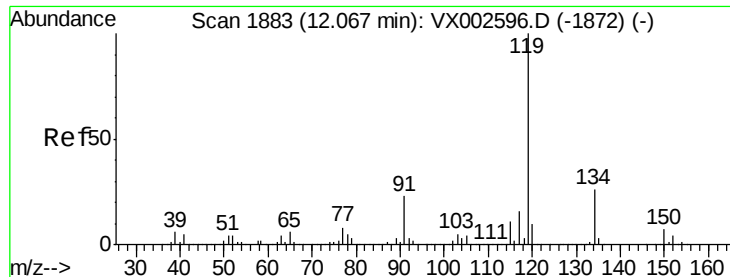
Tot Ion:105 Resp: 55925
 Ion Ratio Lower Upper
 105 100
 120 47.7 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 10.13 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion:105 Resp: 121592
 Ion Ratio Lower Upper
 105 100
 134 17.7 10.4 31.1

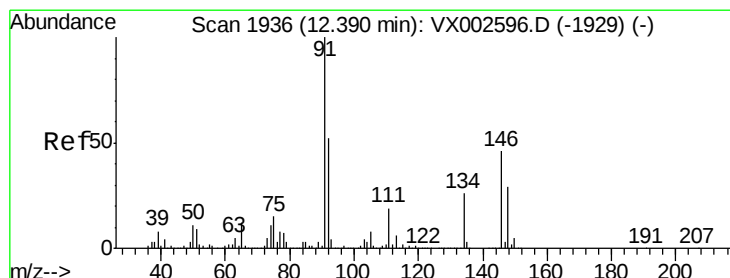
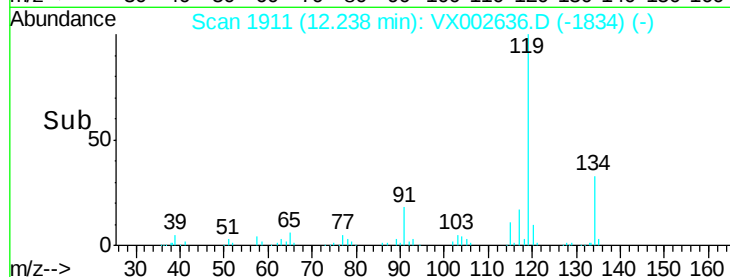
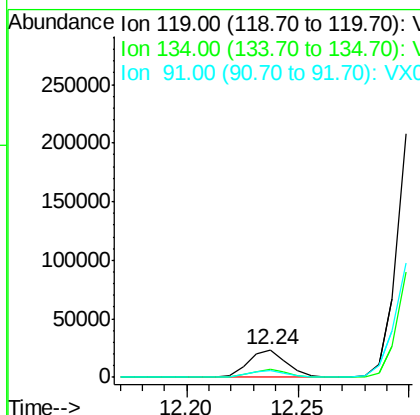
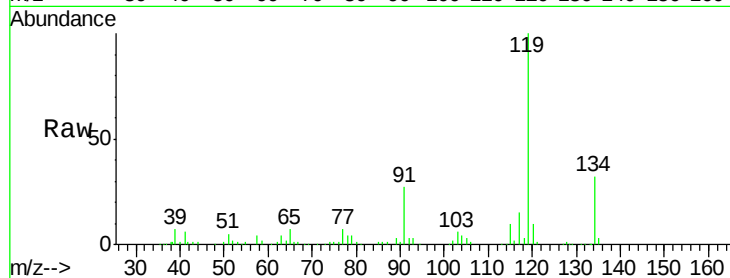




#86
 p-Isopropyltoluene
 Concen: 2.56 ug/l
 RT: 12.24 min Scan# 1911
 Delta R.T. 0.17 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

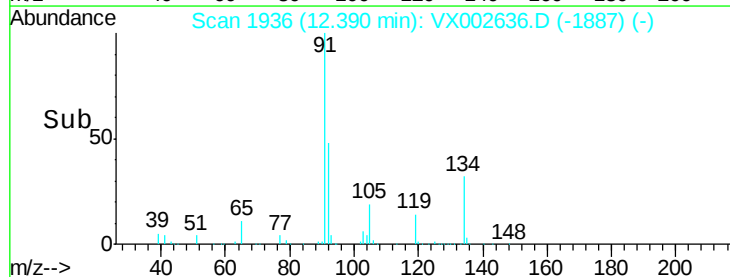
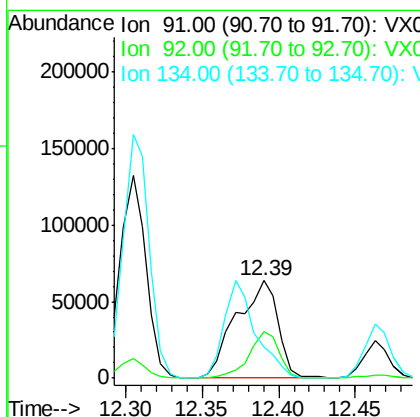
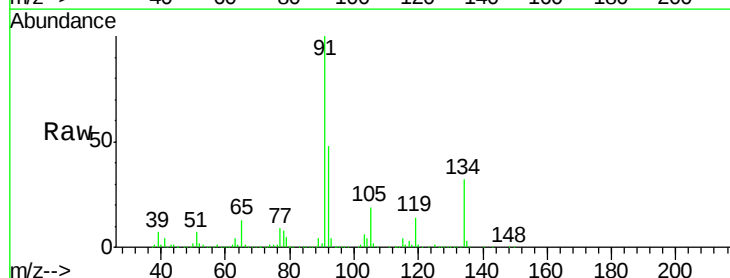
Instrument :
 MSVOA_X
 ClientSampled :

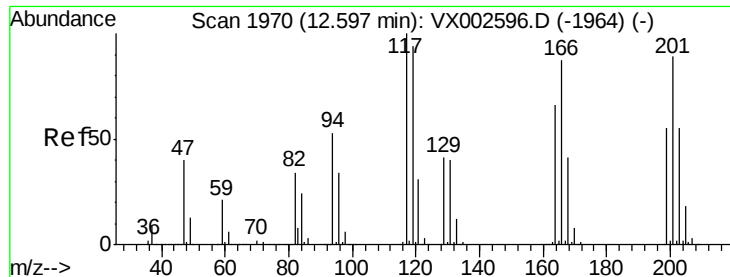
Tot Ion:119 Resp: 27776
 Ion Ratio Lower Upper
 119 100
 134 30.1 13.4 40.1
 91 25.9 11.9 35.7



#89
 n-Butylbenzene
 Concen: 12.38 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Tgt Ion: 91 Resp: 118670
 Ion Ratio Lower Upper
 91 100
 92 35.2 26.0 78.0
 134 77.1 13.5 40.5#





#90

Hexachloroethane

Concen: 76.49 ug/l

RT: 12.67 min Scan# 1982

Delta R.T. 0.07 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

Instrument :

MSVOA_X

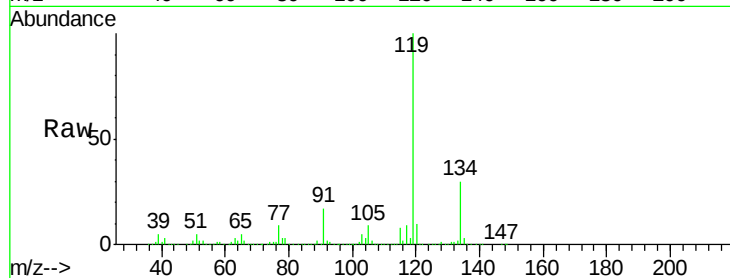
ClientSampled :

Tot Ion:117 Resp: 132016

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

250000

200000

150000

100000

50000

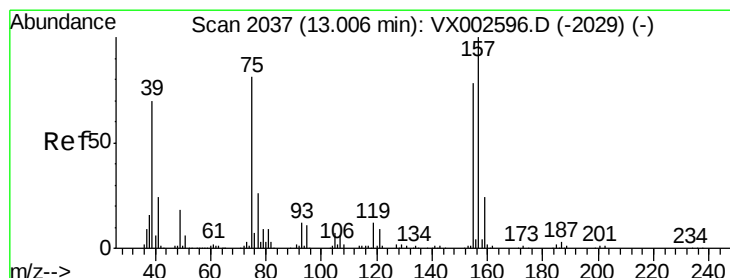
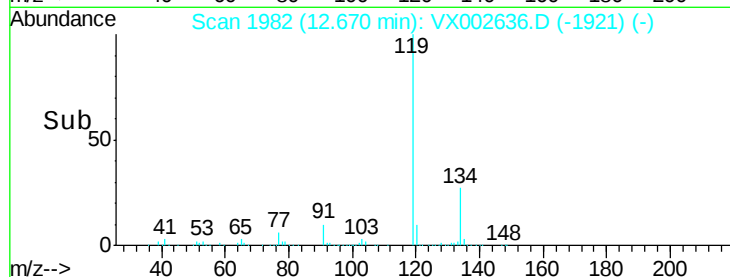
0

12.65

12.67

12.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.70 ug/l

RT: 13.02 min Scan# 2040

Delta R.T. 0.02 min

Lab File: VX002636.D

Acq: 16 Jun 2018 09:50

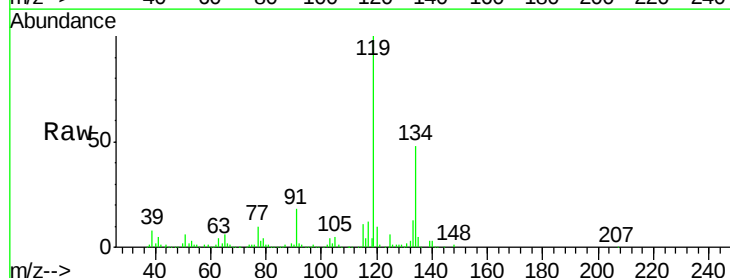
Tgt Ion: 75 Resp: 510

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): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

8000

6000

4000

2000

0

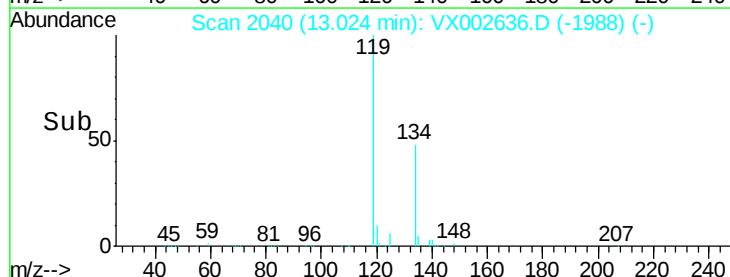
13.00

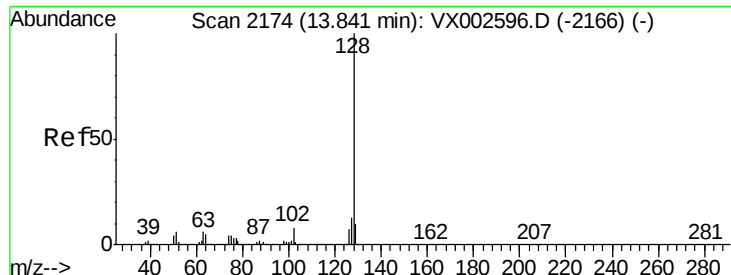
13.02

13.04

13.06

Time-->

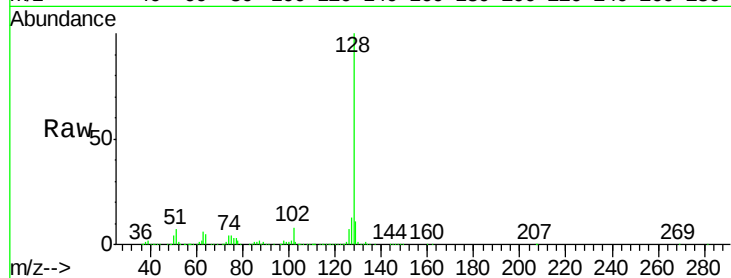




#95
 Naphthalene
 Concen: 31.06 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX002636.D
 Acq: 16 Jun 2018 09:50

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	12.1	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

