

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062419\
 Data File : VX010407.D
 Acq On : 24 Jun 2019 12:54
 Operator : JC/SP
 Sample : K3500-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-A-061919

Quant Time: Jun 25 03:37:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	304342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	464720	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	417794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199370	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	138753	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	5.50	113	141026	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
50) Toluene-d8	8.71	98	548124	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	189936	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	769	0.585	ug/l	83
6) Chloroethane	1.70	64	354	0.222	ug/l #	61
10) Methyl Iodide	2.53	142	865	0.234	ug/l #	87
11) Tert butyl alcohol	3.02	59	1558	2.087	ug/l #	74
13) Acrolein	2.27	56	1586	3.202	ug/l #	1
14) Allyl chloride	2.78	41	17591	4.697	ug/l #	63
15) Acrylonitrile	3.18	53	10921	7.387	ug/l #	39
16) Acetone	2.45	43	29251	20.454	ug/l	97
18) Methyl Acetate	2.77	43	9474	3.324	ug/l #	52
20) Methylene Chloride	2.78	84	7708	2.619	ug/l #	17
23) Vinyl Acetate	3.82	43	4852	0.717	ug/l #	79
25) 2-Butanone	4.68	43	13013	6.203	ug/l	97
26) 2,2-Dichloropropane	4.40	77	9779	2.487	ug/l #	49
27) cis-1,2-Dichloroethene	4.61	96	1426	0.435	ug/l	86
31) Cyclohexane	5.58	56	633931	153.802	ug/l	97
36) 1,1-Dichloropropene	5.66	75	19058	5.161	ug/l #	47
38) Carbon Tetrachloride	5.67	117	26542	6.637	ug/l #	14
39) Methylcyclohexane	7.46	83	103363	21.293	ug/l	95
41) Methacrylonitrile	5.02	41	855	0.410	ug/l #	24
43) Isopropyl Acetate	6.46	43	2853	0.454	ug/l #	59
48) Methyl methacrylate	7.74	41	4866	1.666	ug/l #	42
49) 1,4-Dioxane	7.77	88	20	0.238	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1251	0.311	ug/l #	54
52) Toluene	8.79	92	5603	0.740	ug/l	95
59) 2-Hexanone	9.50	43	1894	0.599	ug/l	75
67) Ethyl Benzene	10.25	91	1008762	70.447	ug/l	100
68) m/p-Xylenes	10.36	106	452316	81.521	ug/l	99
69) o-Xylene	10.69	106	30214	5.537	ug/l	97
73) Isopropylbenzene	11.02	105	1317287	97.470	ug/l	99
76) 1,2,3-Trichloropropane	11.36	75	19084	5.253	ug/l #	1
78) n-propylbenzene	11.36	91	3153288	212.294	ug/l	100
79) 2-Chlorotoluene	11.36	91	3153288	356.513	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.51	105	200832	18.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.02	75	13599	8.732	ug/l #	50

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

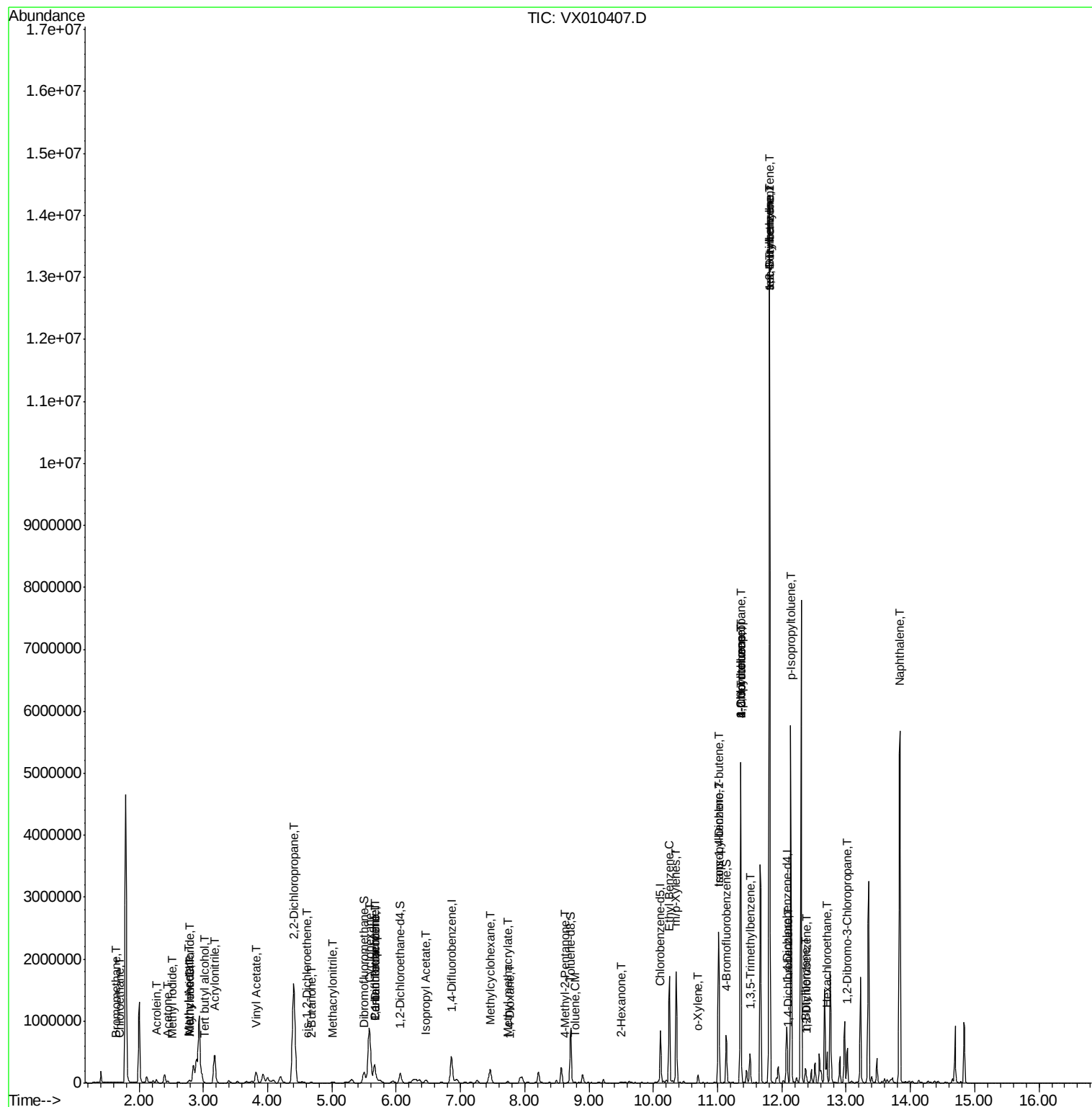
82) 4-Chlorotoluene	11.36	91	3153288	313.309	ug/l #	42
83) tert-Butylbenzene	11.81	119	797398	71.308	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.81	105	6190227	553.016	ug/l	98
85) sec-Butylbenzene	11.81	105	6189207	471.391	ug/l #	55
86) p-Isopropyltoluene	12.14	119	265463	21.859	ug/l #	1
88) 1,4-Dichlorobenzene	12.10	146	2513	0.375	ug/l #	54
89) n-Butylbenzene	12.38	91	45360	4.395	ug/l #	48
90) Hexachloroethane	12.70	117	164349	78.263	ug/l #	5
91) 1,2-Dichlorobenzene	12.39	146	3633	0.555	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.01	75	1726	1.789	ug/l #	1
95) Naphthalene	13.83	128	3717808	266.467	ug/l	99

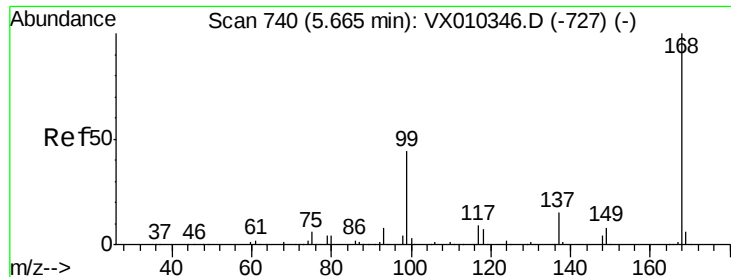
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

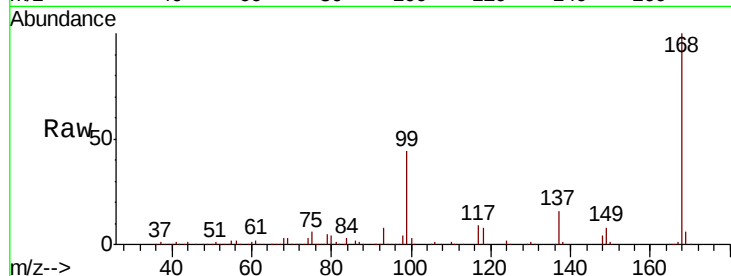
GW-A-061919

Tot Ion:168 Resp: 304342

Ion Ratio Lower Upper

168 100

99 44.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

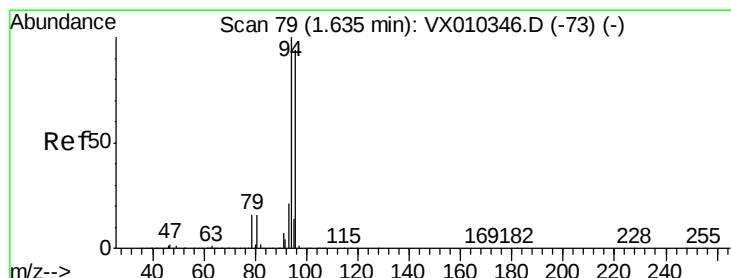
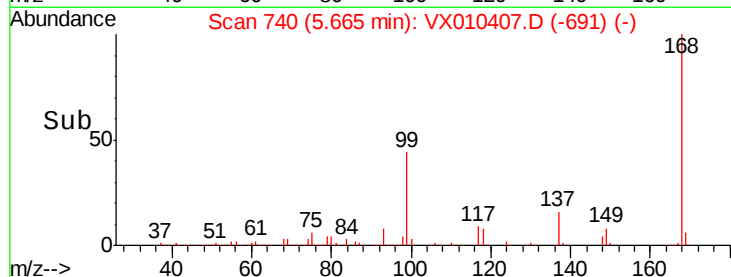
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.585 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010407.D

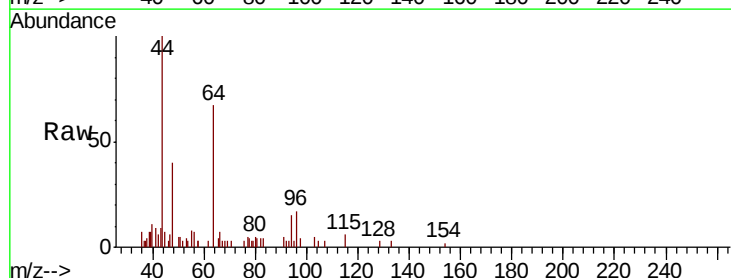
Acq: 24 Jun 2019 12:54

Tgt Ion: 94 Resp: 769

Ion Ratio Lower Upper

94 100

96 111.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

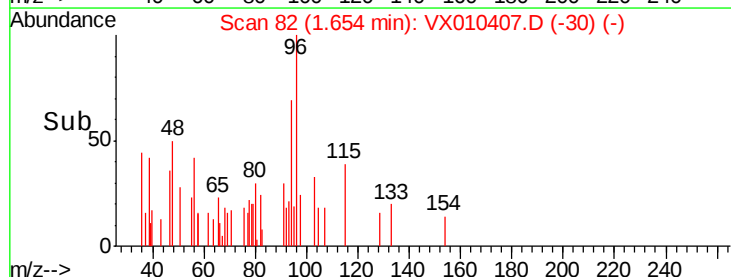
300

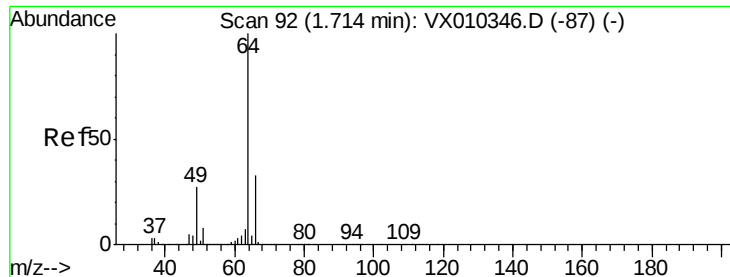
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.222 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

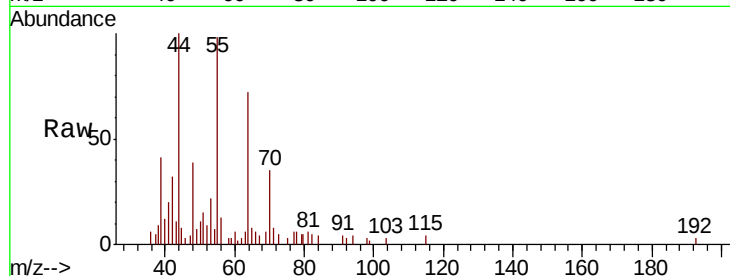
GW-A-061919

Tot Ion: 64 Resp: 354

Ion Ratio Lower Upper

64 100

66 10.9 26.6 40.0#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

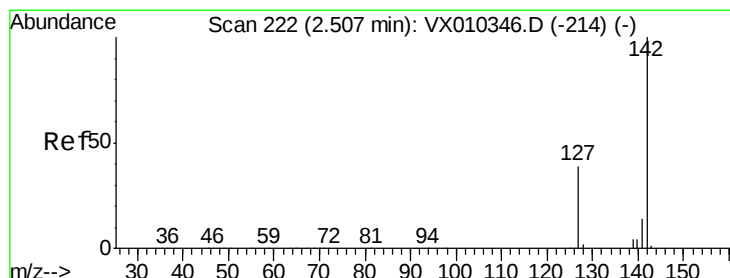
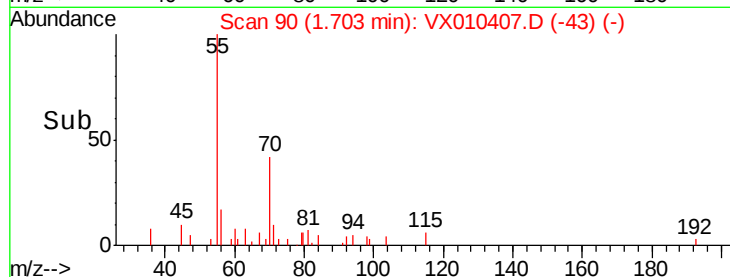
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 0.234 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

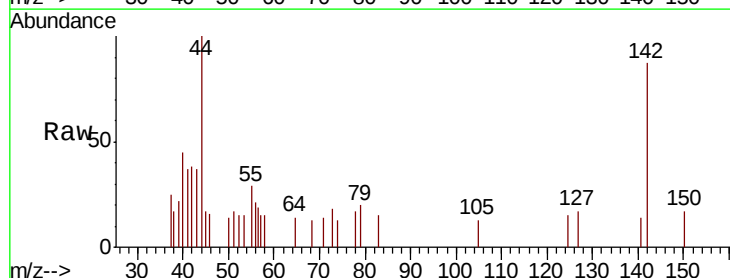
Tgt Ion: 142 Resp: 865

Ion Ratio Lower Upper

142 100

127 33.3 31.1 46.7

141 4.6 11.2 16.8#



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

2.53

400

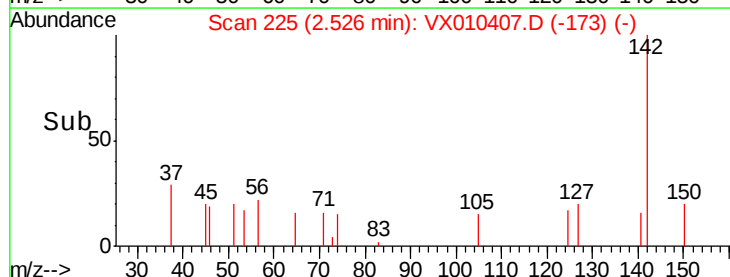
300

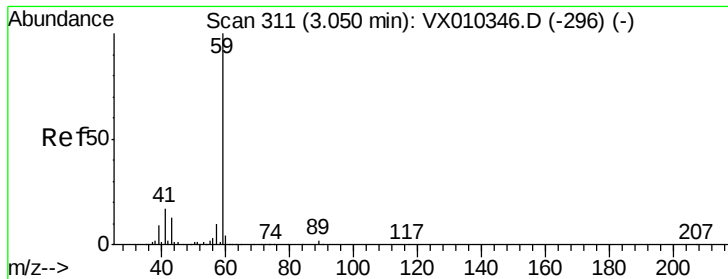
200

100

0

Time-->

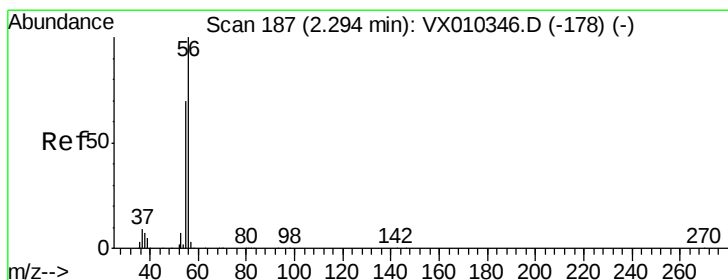
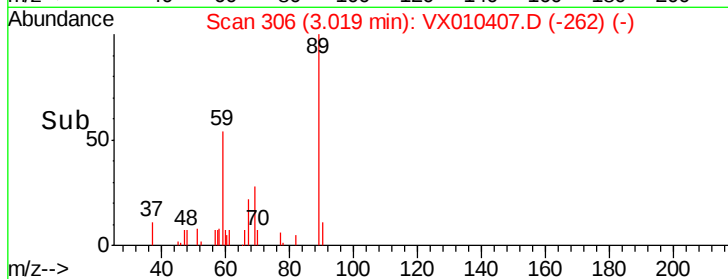
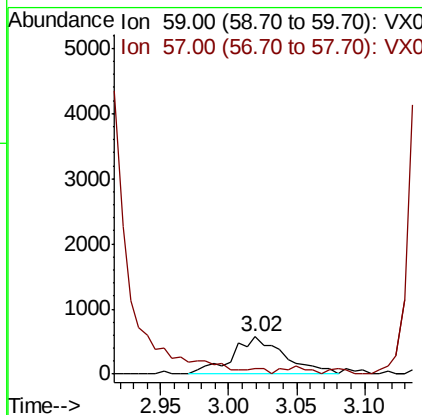
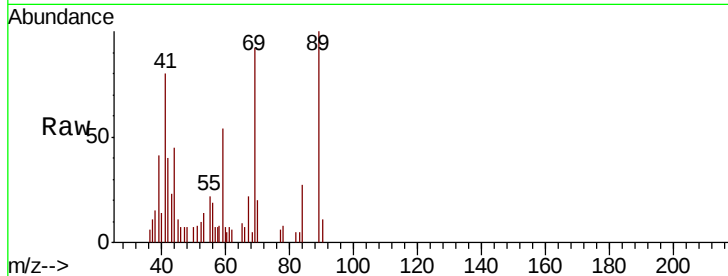




#11
Tert butyl alcohol
Concen: 2.087 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

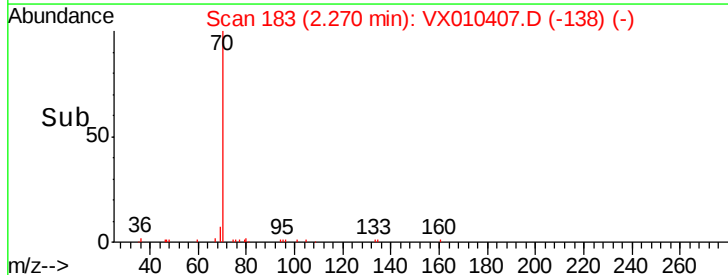
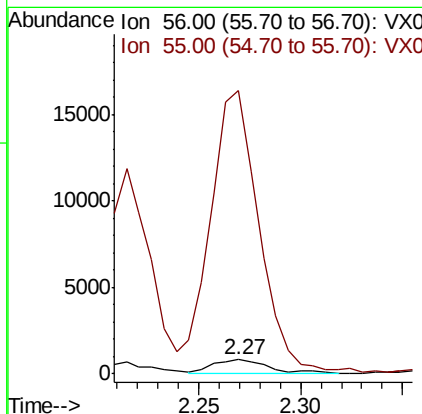
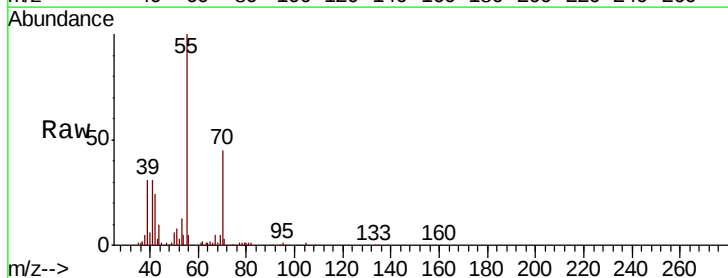
Instrument :
MSVOA_X
ClientSampleId :
GW-A-061919

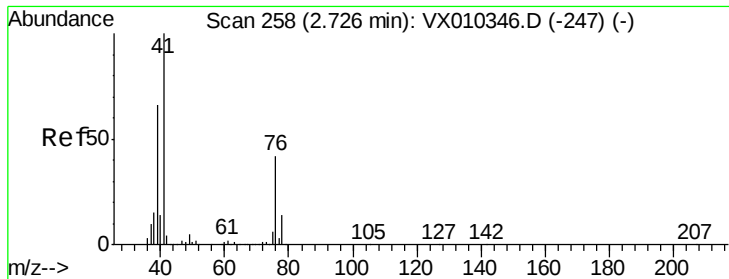
Tot Ion: 59 Resp: 1558
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#13
Acrolein
Concen: 3.202 ug/l
RT: 2.27 min Scan# 183
Delta R.T. -0.02 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 56 Resp: 1586
Ion Ratio Lower Upper
56 100
55 1686.8 56.9 85.3#





#14

Allvl chloride

Concen: 4.697 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.05 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

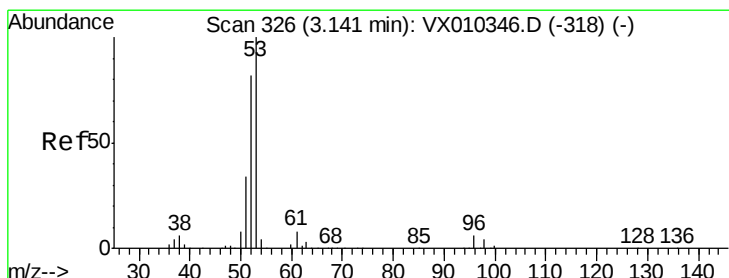
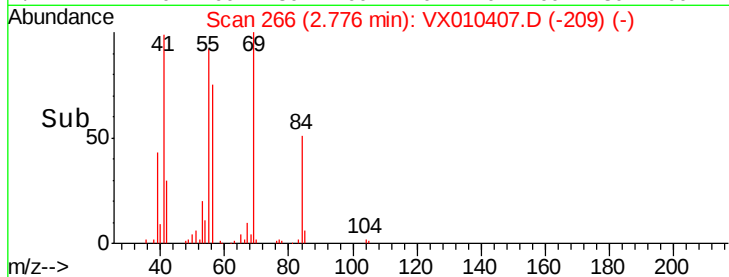
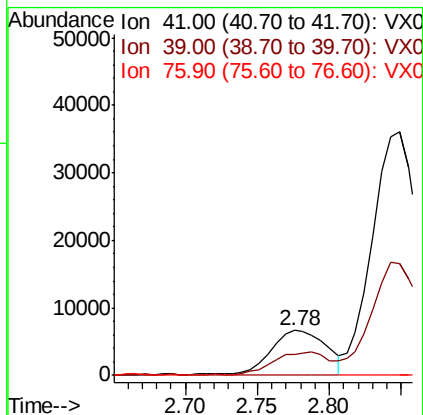
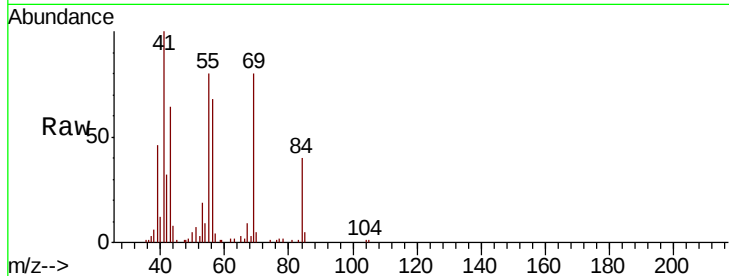
Tot Ion: 41 Resp: 17591

Ion Ratio Lower Upper

41 100

39 46.9 50.3 75.5#

76 0.6 31.3 46.9#



#15

Acrylonitrile

Concen: 7.387 ug/l

RT: 3.18 min Scan# 332

Delta R.T. 0.04 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

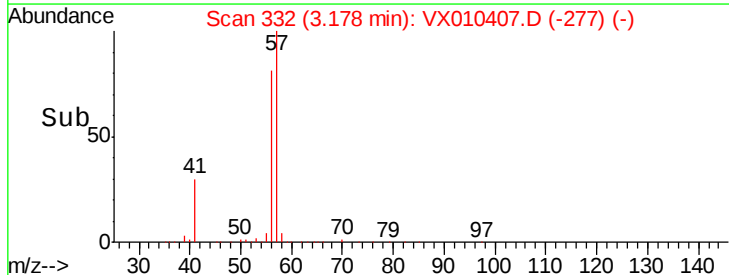
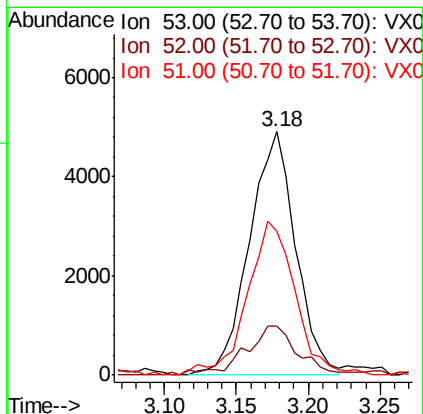
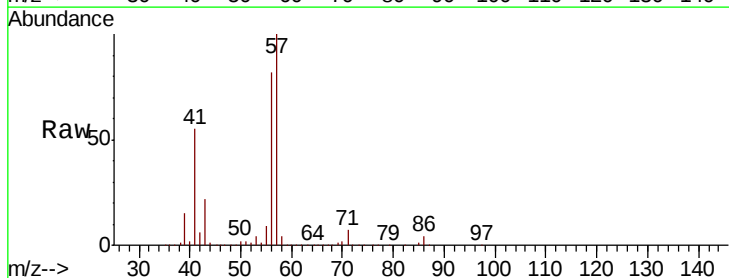
Tgt Ion: 53 Resp: 10921

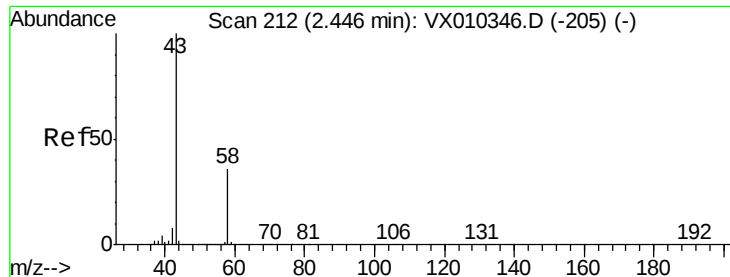
Ion Ratio Lower Upper

53 100

52 23.5 65.5 98.3#

51 65.5 28.2 42.4#





#16

Acetone

Concen: 20.454 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

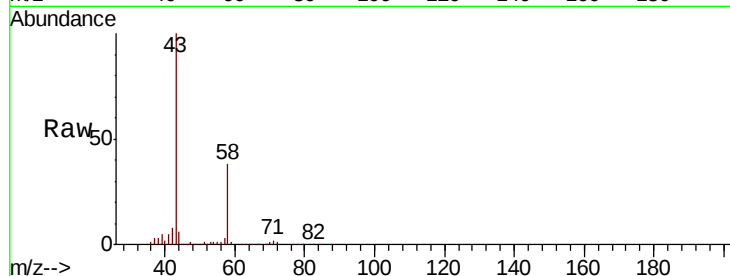
GW-A-061919

Tot Ion: 43 Resp: 29251

Ion Ratio Lower Upper

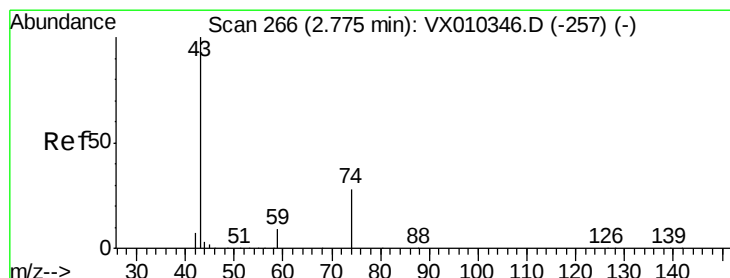
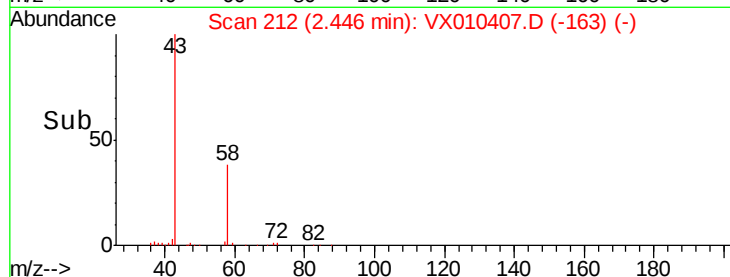
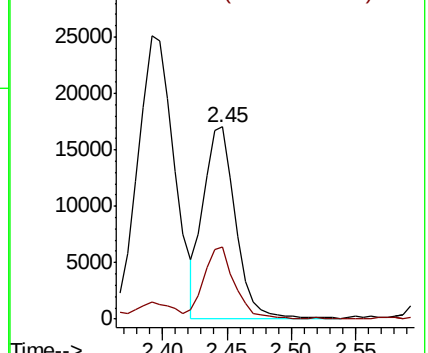
43 100

58 37.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 3.324 ug/l

RT: 2.77 min Scan# 265

Delta R.T. -0.01 min

Lab File: VX010407.D

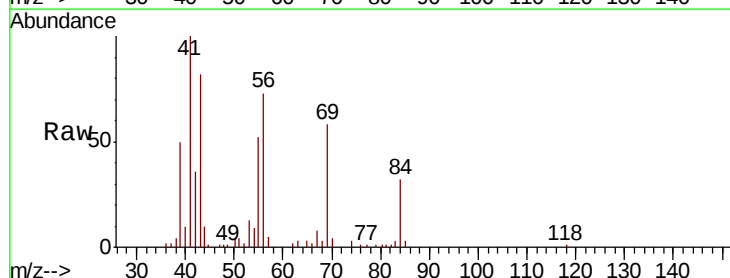
Acq: 24 Jun 2019 12:54

Tgt Ion: 43 Resp: 9474

Ion Ratio Lower Upper

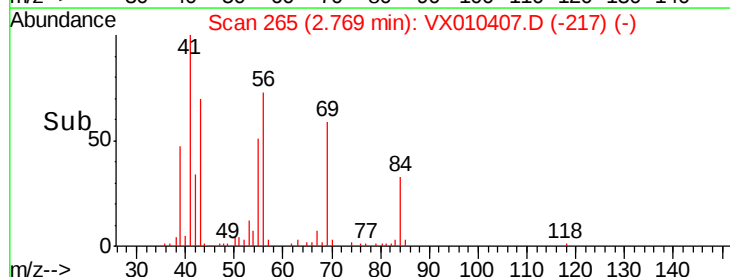
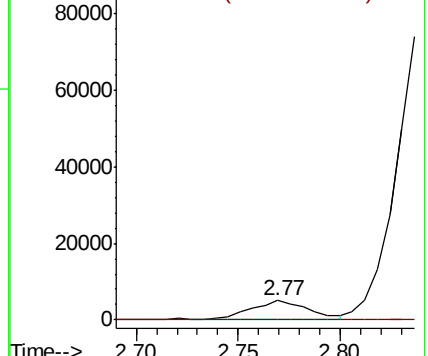
43 100

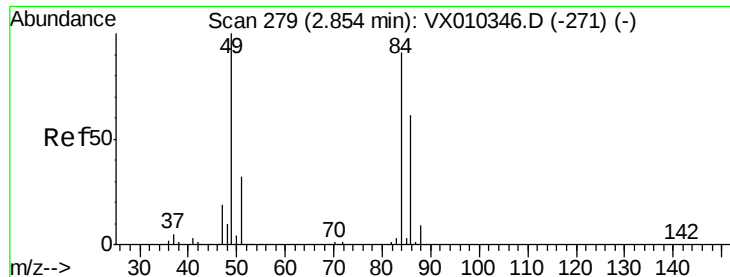
74 1.8 21.3 31.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

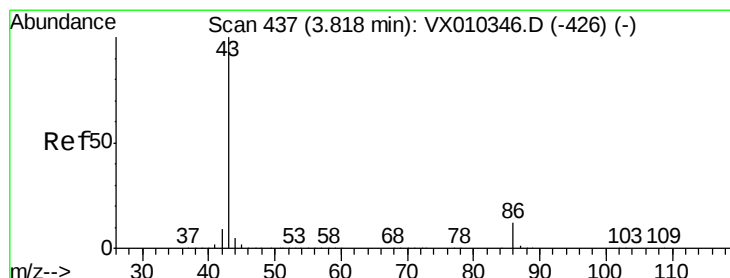
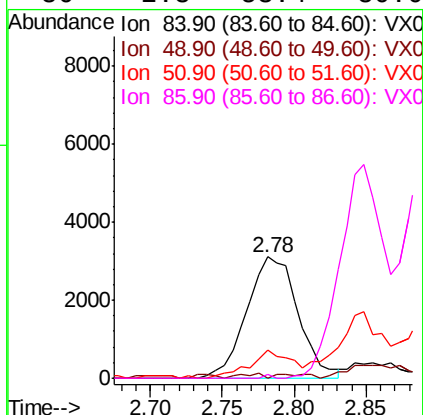
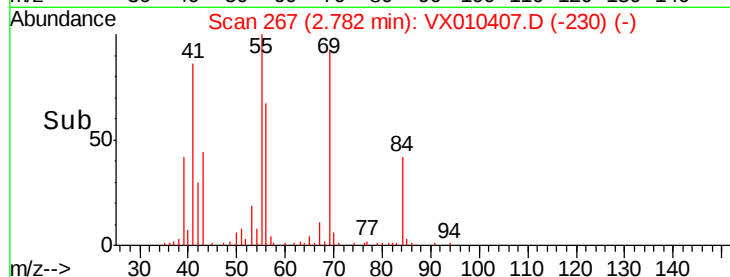
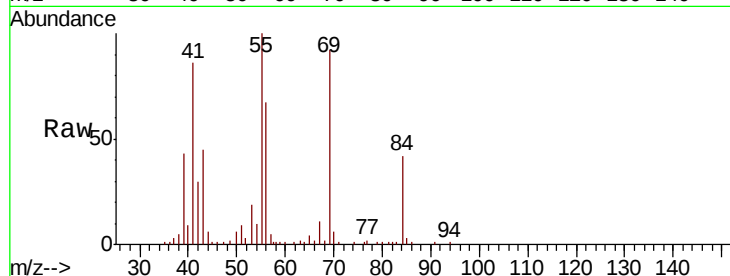




#20
Methvlene Chloride
Concen: 2.619 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.07 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

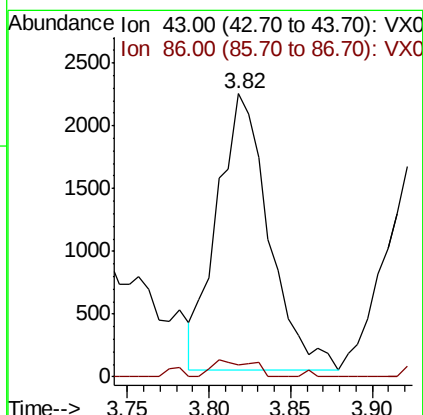
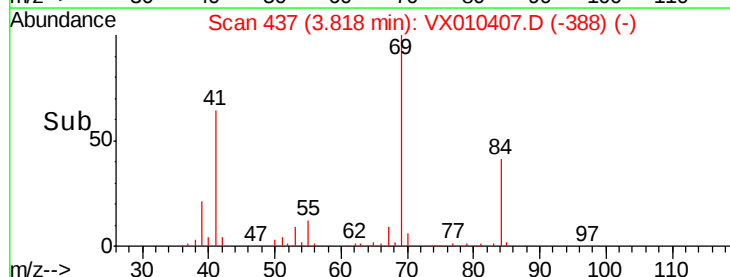
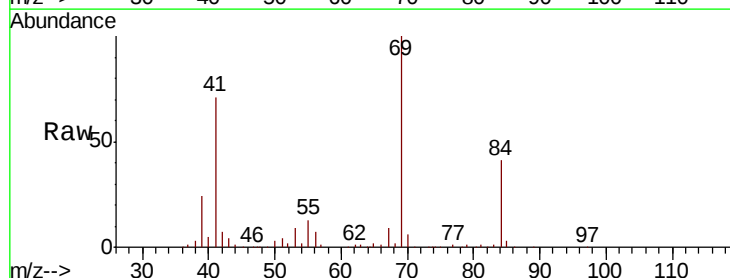
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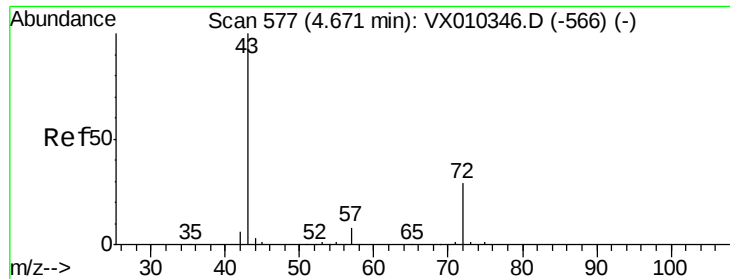
Tot Ion: 84 Resp: 7708
Ion Ratio Lower Upper
84 100
49 0.0 87.5 131.3#
51 20.9 27.7 41.5#
86 2.8 53.4 80.0#



#23
Vinyl Acetate
Concen: 0.717 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 43 Resp: 4852
Ion Ratio Lower Upper
43 100
86 4.2 9.9 14.9#





#25

2-Butanone

Concen: 6.203 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

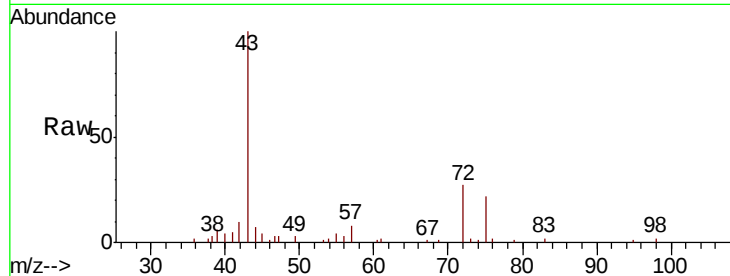
GW-A-061919

Tot Ion: 43 Resp: 13013

Ion Ratio Lower Upper

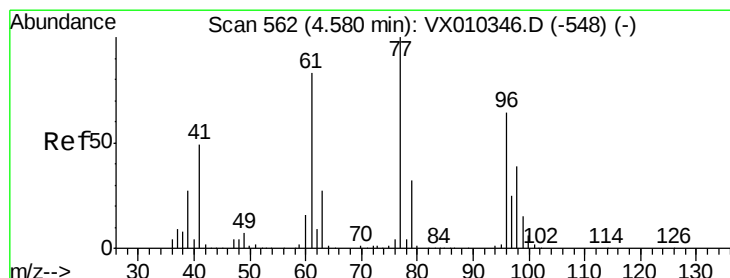
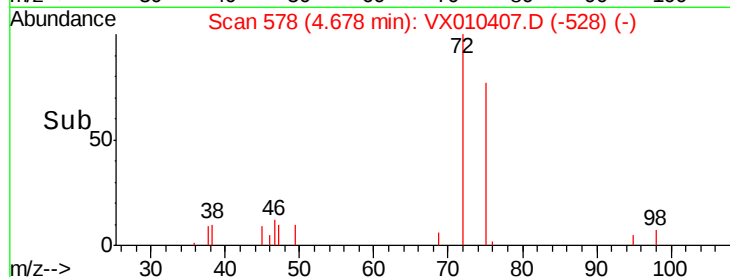
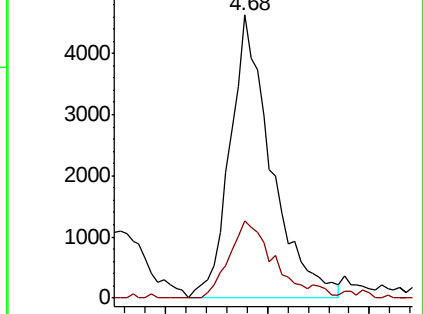
43 100

72 27.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.487 ug/l

RT: 4.40 min Scan# 533

Delta R.T. -0.18 min

Lab File: VX010407.D

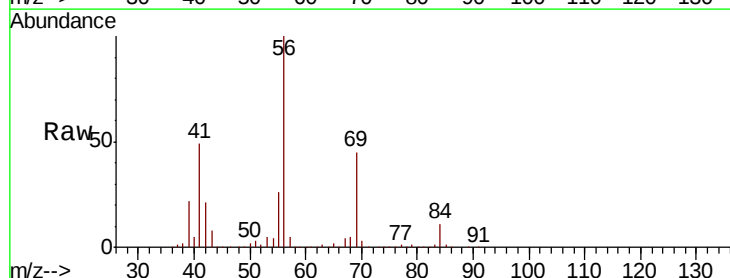
Acq: 24 Jun 2019 12:54

Tgt Ion: 77 Resp: 9779

Ion Ratio Lower Upper

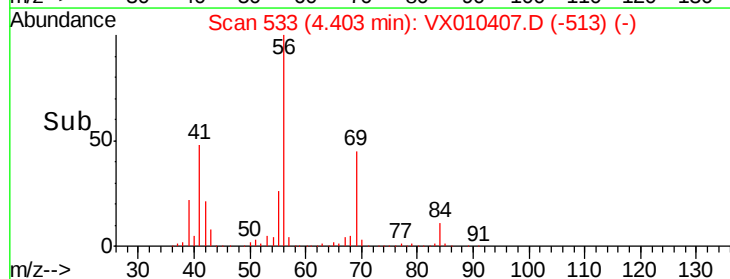
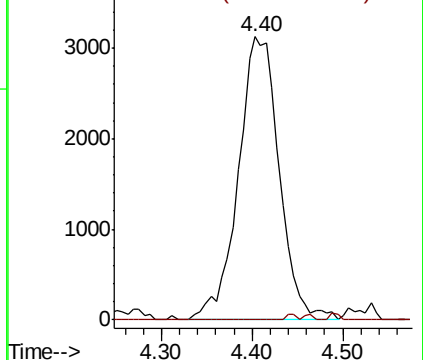
77 100

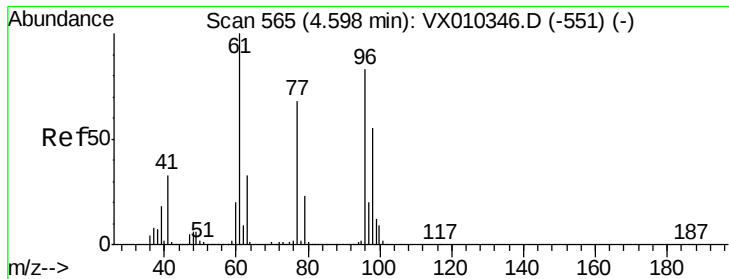
97 0.0 13.1 39.3#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



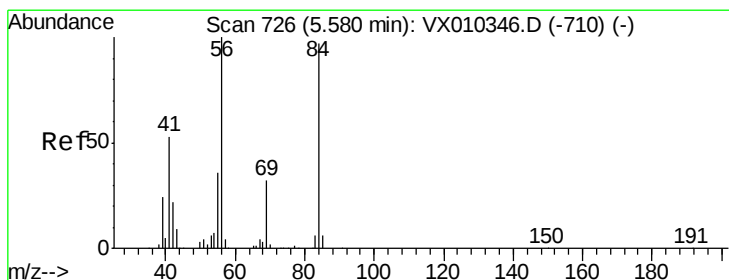
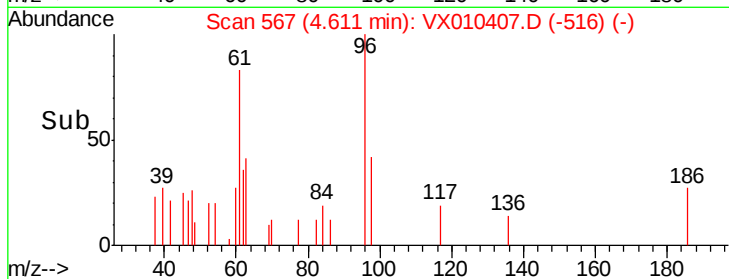
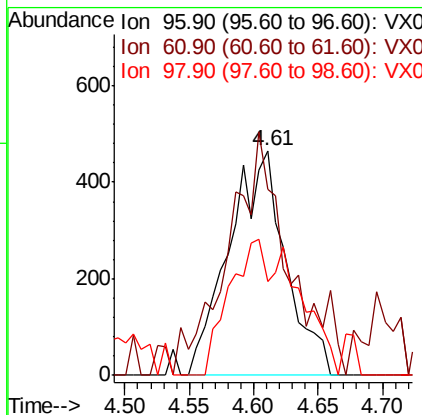
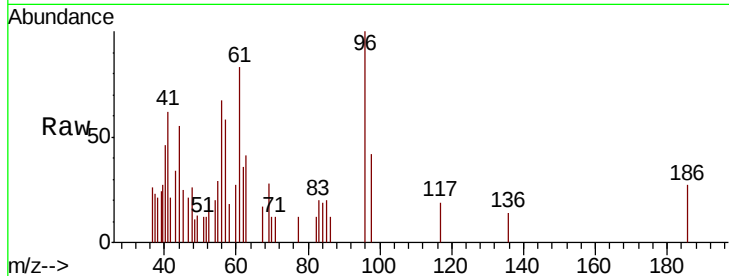


#27

cis-1,2-Dichloroethene
 Concen: 0.435 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-A-061919

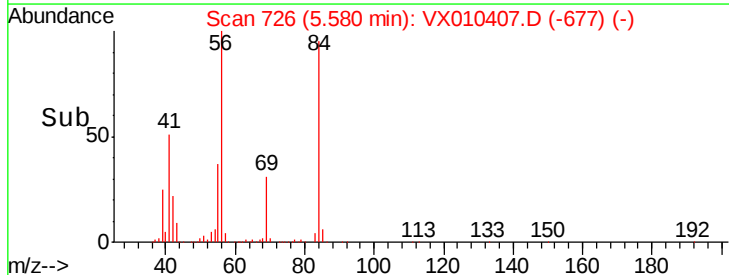
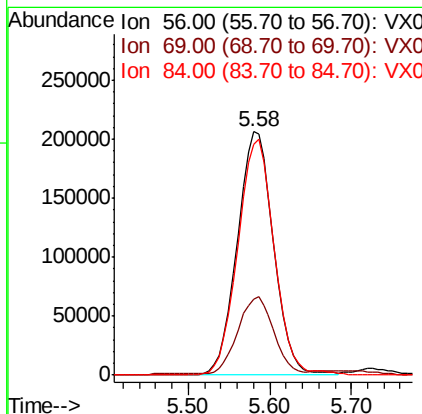
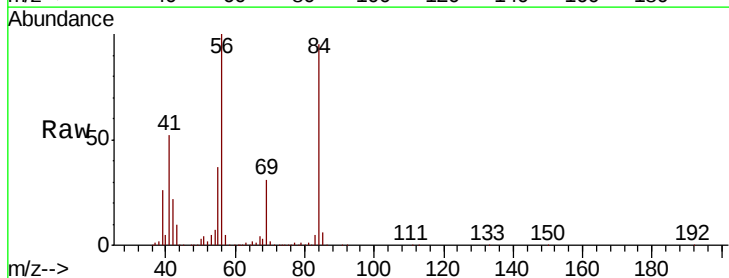
Tot Ion	Ratio	Lower	Upper
96	100		
61	115.8	0.0	251.8
98	45.4	0.0	129.4

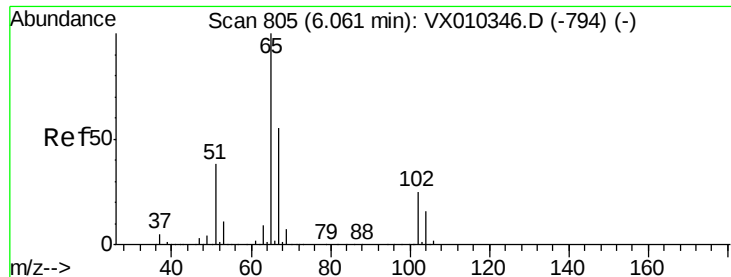


#31

Cyclohexane
 Concen: 153.802 ug/l
 RT: 5.58 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	25.9	38.9
84	94.8	78.0	117.0





#33

1,2-Dichloroethane-d4

Concen: 48.625 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

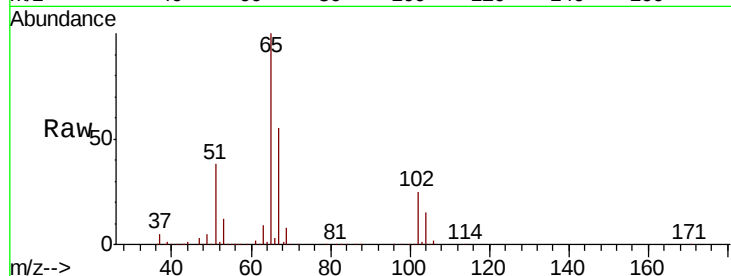
GW-A-061919

Tot Ion: 65 Resp: 138753

Ion Ratio Lower Upper

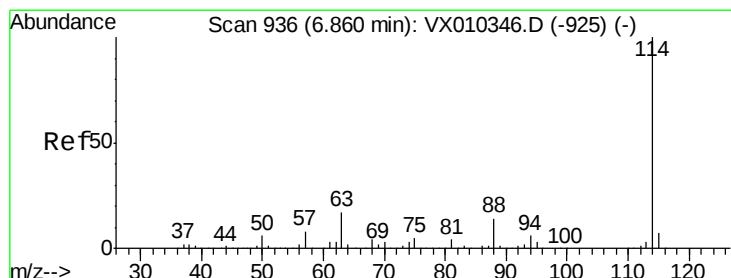
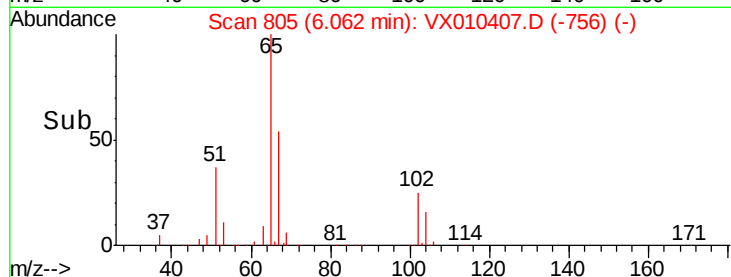
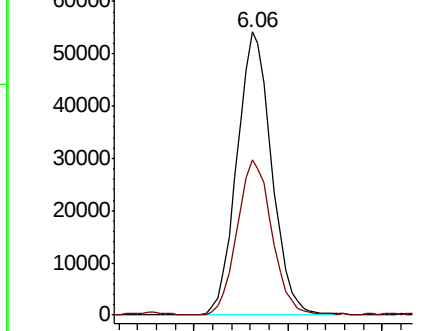
65 100

67 55.1 0.0 110.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

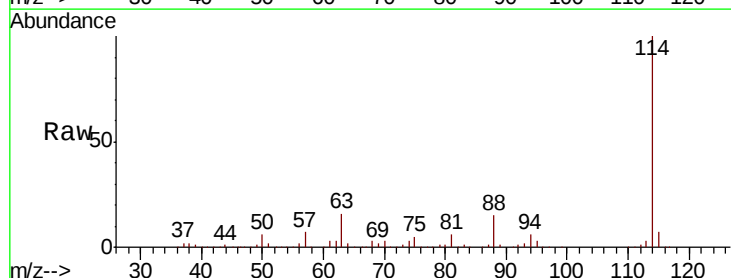
Tgt Ion: 114 Resp: 464720

Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.8

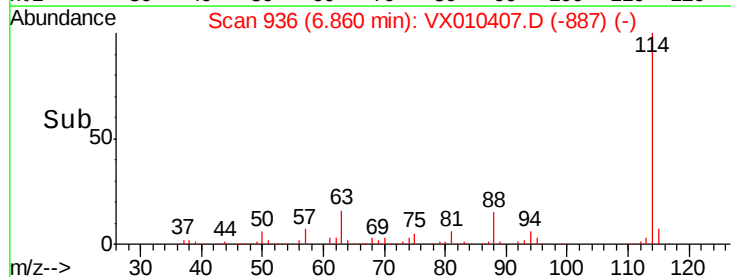
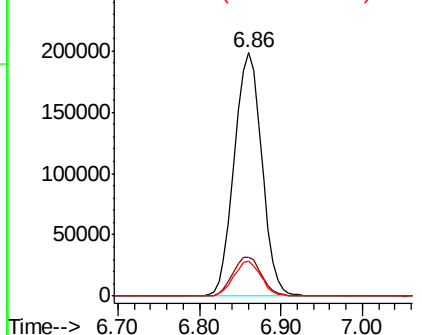
88 14.5 0.0 27.6

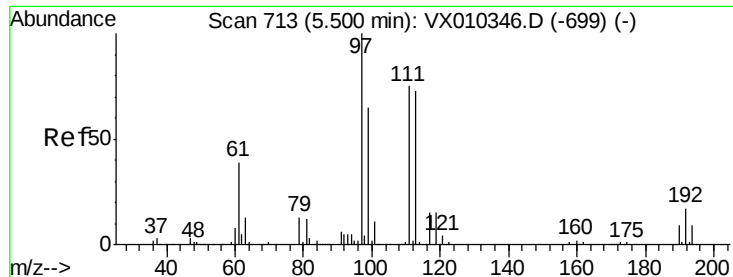


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

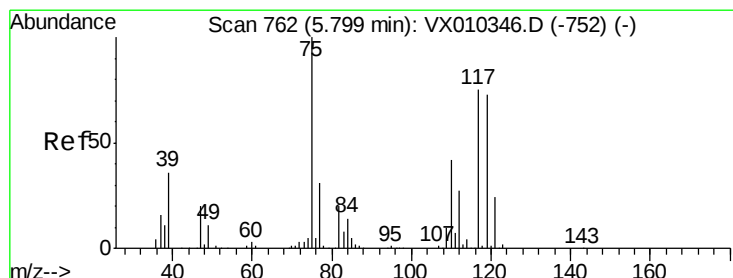
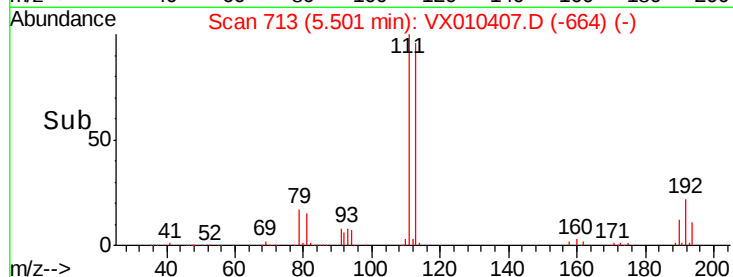
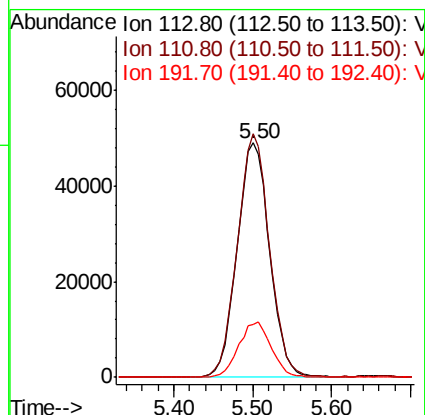
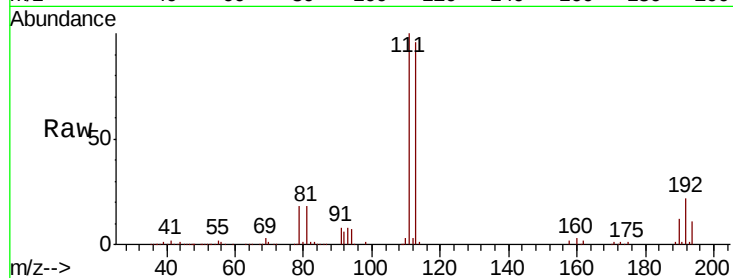




#35
 Dibromofluoromethane
 Concen: 49.599 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

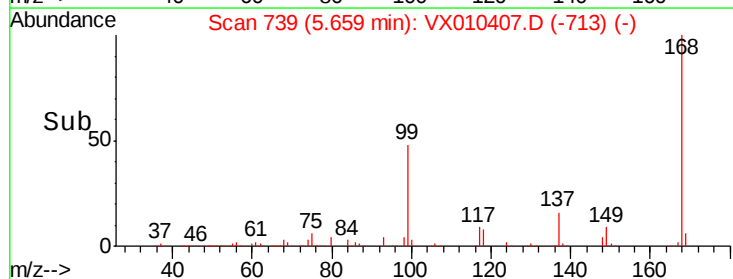
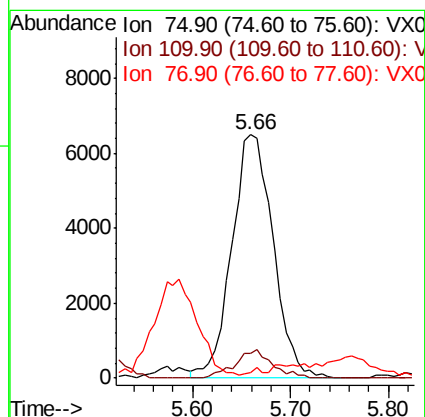
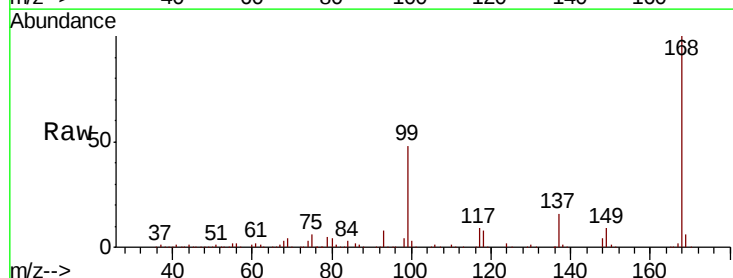
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-A-061919

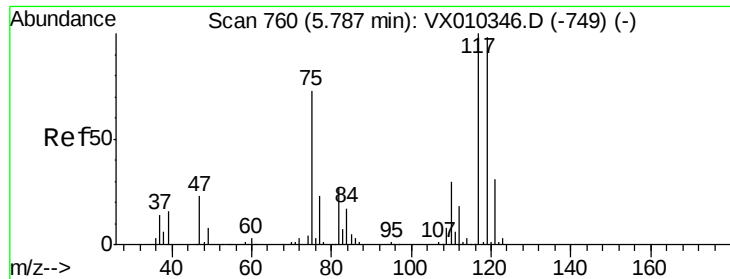
Tot Ion:113 Resp: 141026
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.2 121.8
 192 23.5 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 5.161 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

Tgt Ion: 75 Resp: 19058
 Ion Ratio Lower Upper
 75 100
 110 10.6 20.8 62.2#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 6.637 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

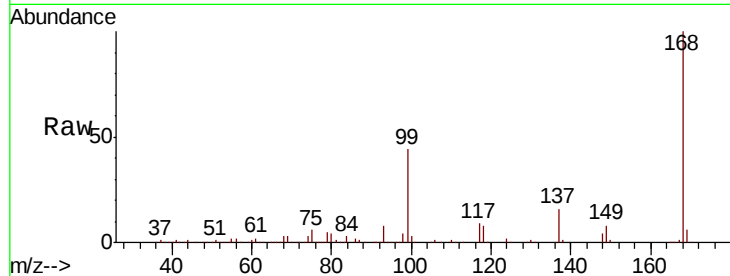
Tot Ion:117 Resp: 26542

Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.4#

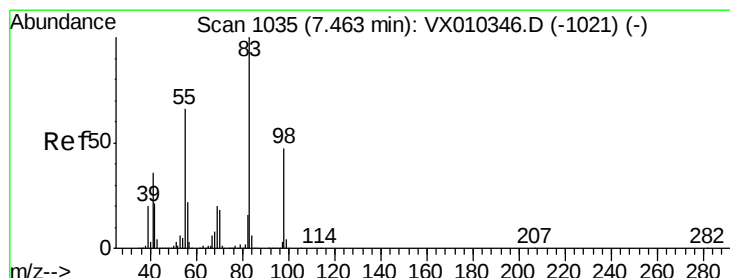
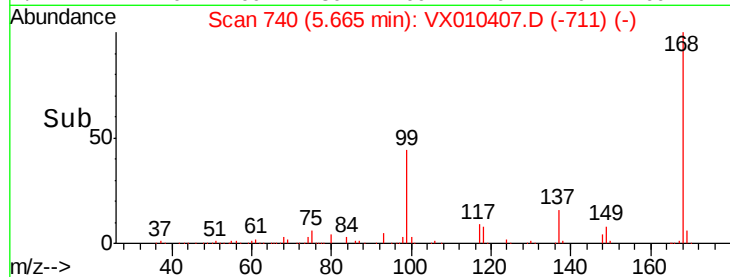
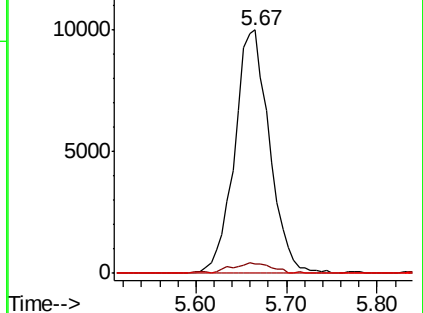
121 0.0 24.7 37.1#



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: 21.293 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

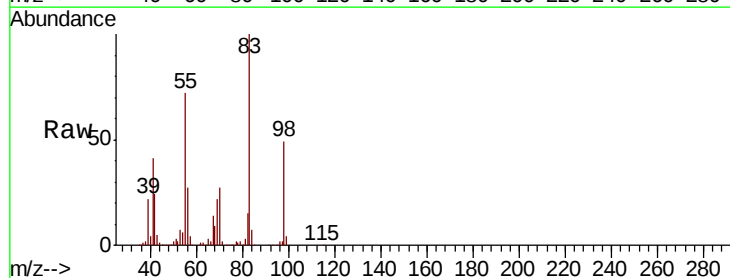
Tgt Ion: 83 Resp: 103363

Ion Ratio Lower Upper

83 100

55 71.4 53.0 79.6

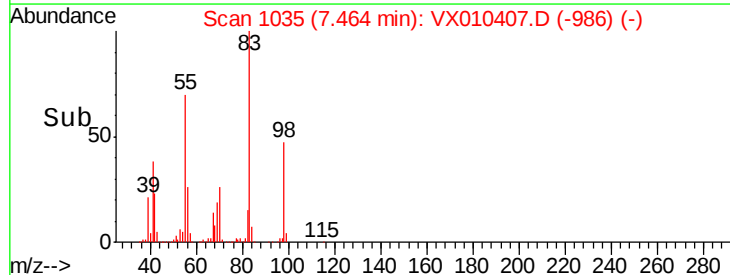
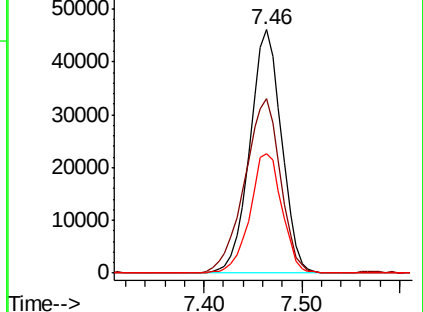
98 49.0 37.8 56.8

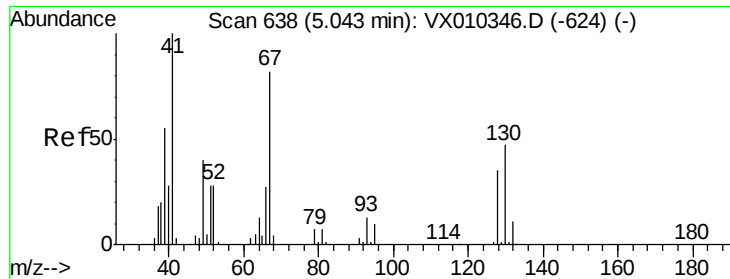


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#41

Methacrylonitrile

Concen: 0.410 ug/l

RT: 5.02 min Scan# 634

Delta R.T. -0.02 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

Tot Ion: 41 Resp: 855

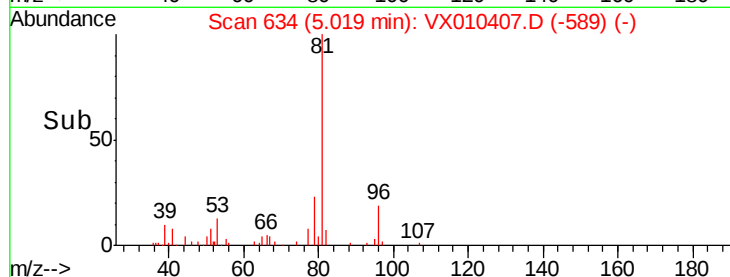
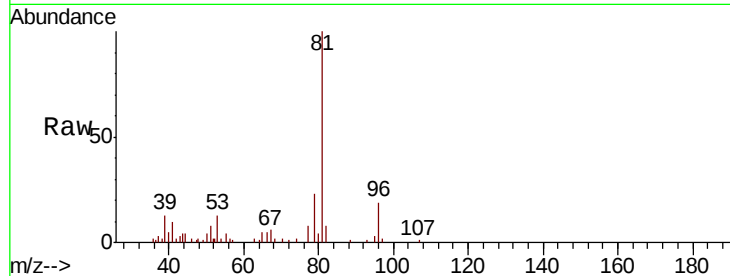
Ion Ratio Lower Upper

41 100

39 0.0 43.8 65.8#

67 0.0 66.6 100.0#

52 13.2 24.5 36.7#

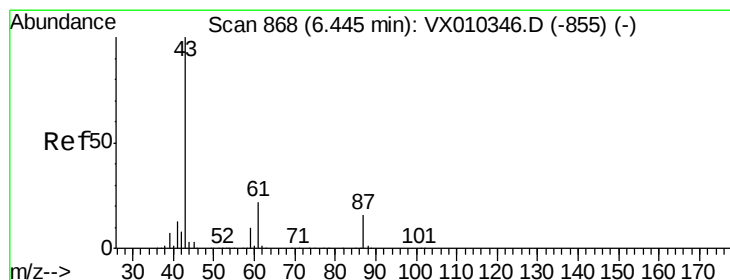
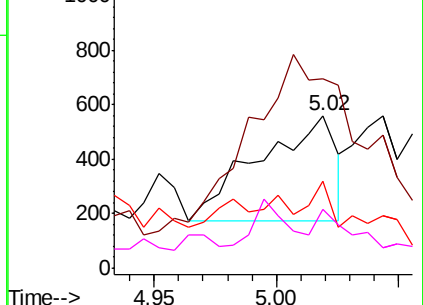


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#43

Isopropyl Acetate

Concen: 0.454 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.02 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

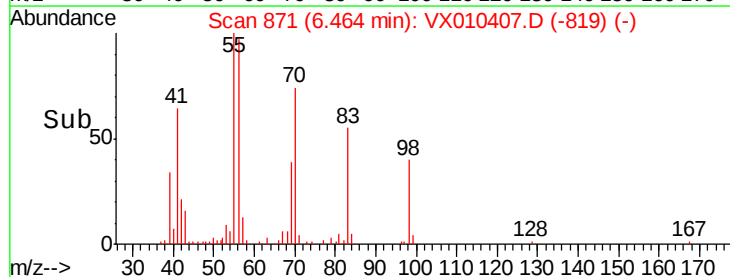
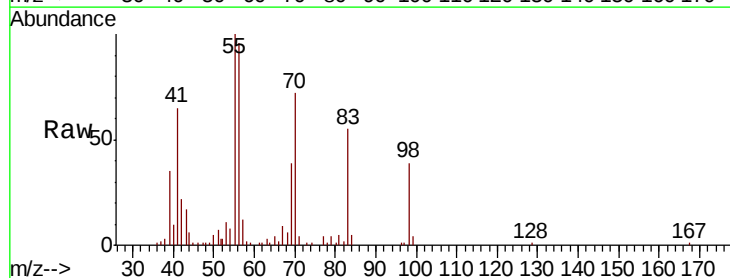
Tgt Ion: 43 Resp: 2853

Ion Ratio Lower Upper

43 100

61 1.9 17.8 26.6#

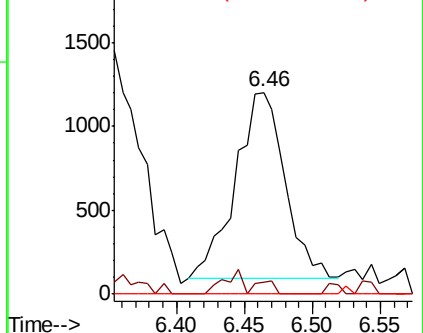
87 0.0 13.0 19.4#

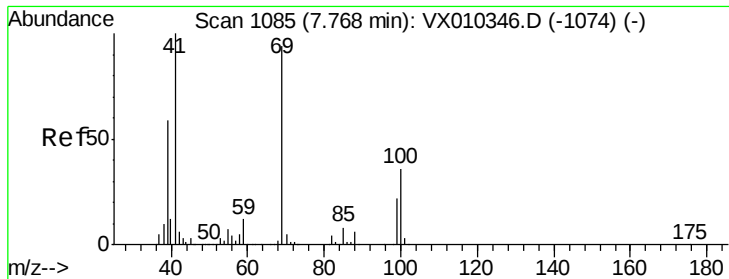


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

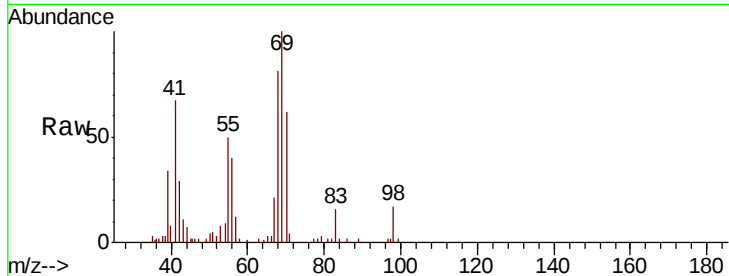




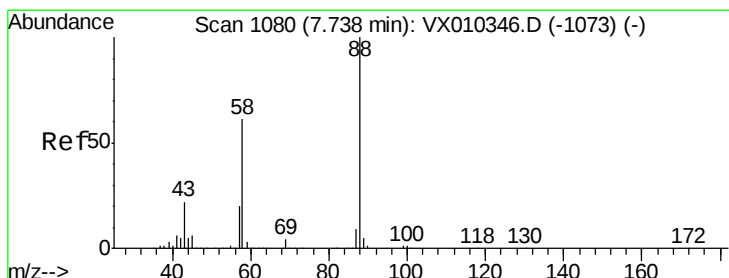
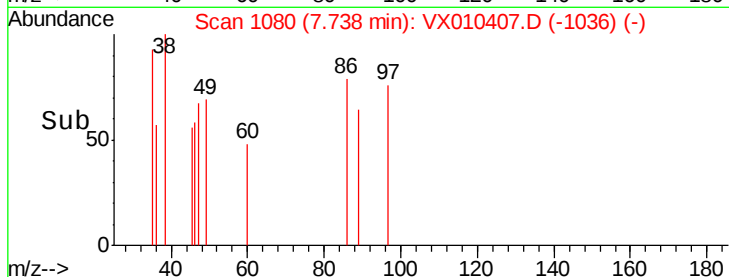
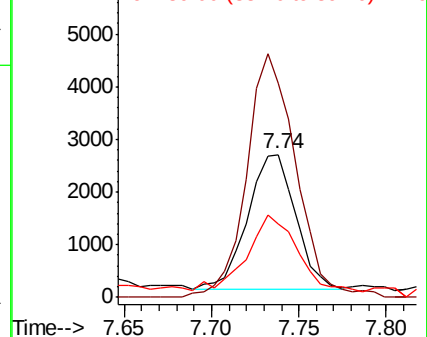
#48
Methvl methacrylate
Concen: 1.666 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.03 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
GW-A-061919

Tot Ion: 41 Resp: 4866
Ion Ratio Lower Upper
41 100
69 186.2 76.1 114.1#
39 58.6 47.6 71.4

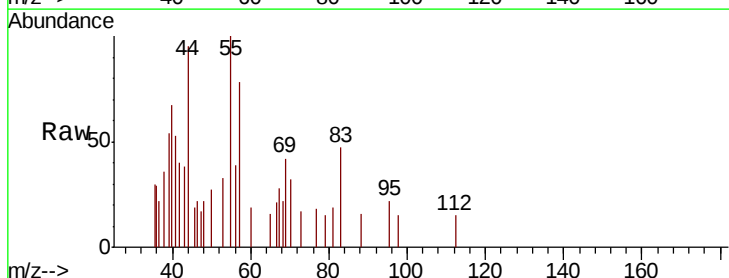


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

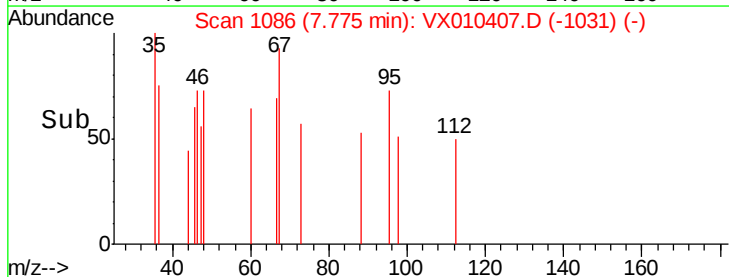
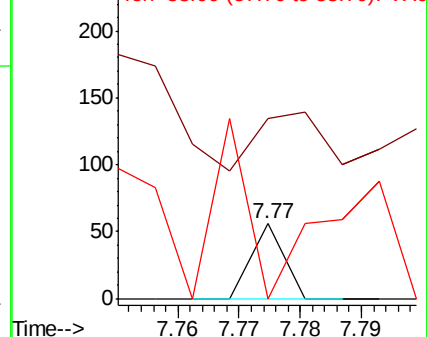


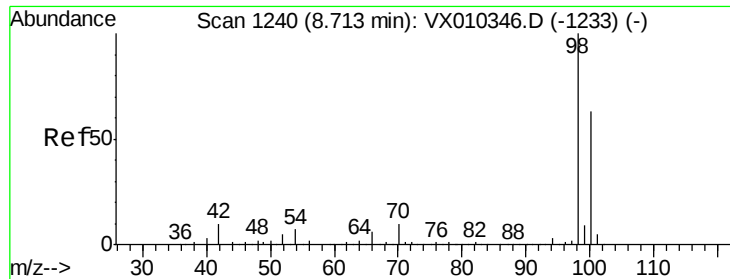
#49
1,4-Dioxane
Concen: 0.238 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.04 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 245.0 49.5 74.3#



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

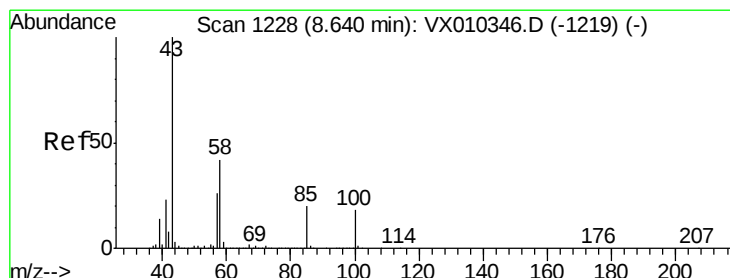
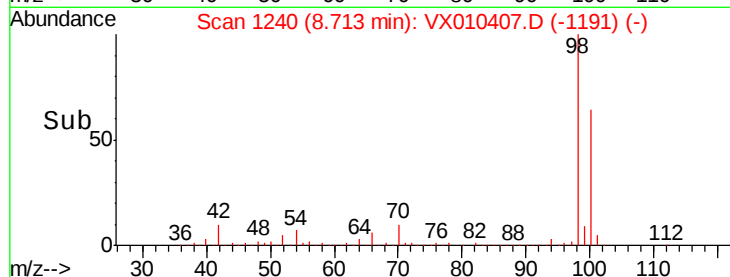
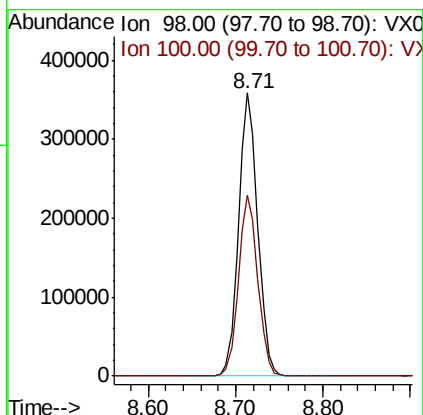
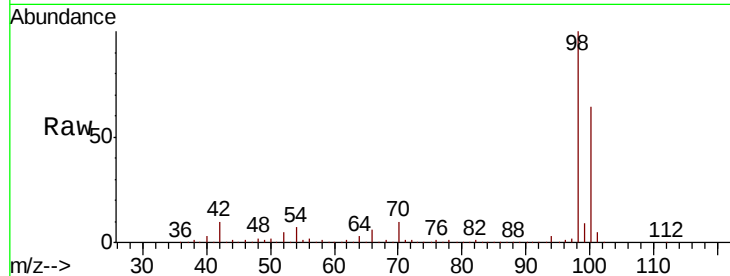




#50
Toluene-d8
Concen: 50.388 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

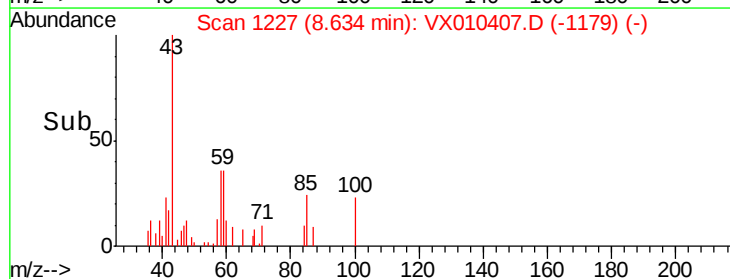
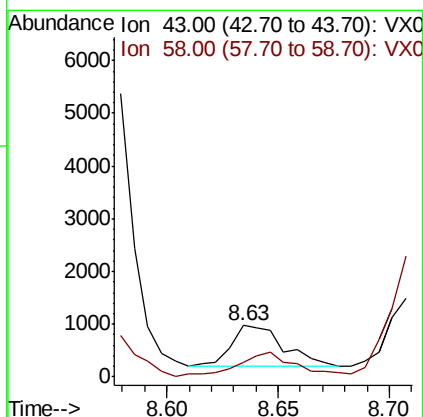
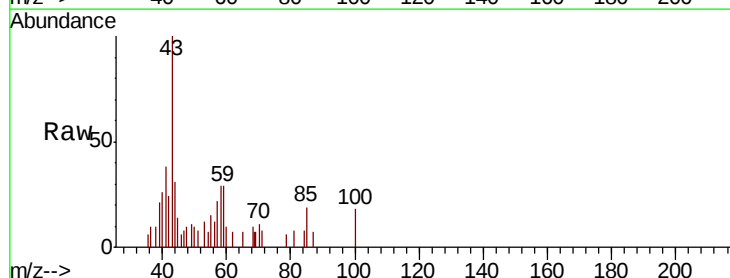
Instrument :
MSVOA_X
ClientSampleId :
GW-A-061919

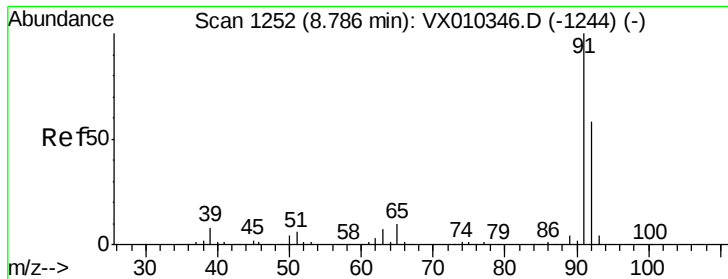
Tot Ion: 98 Resp: 548124
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 0.311 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 43 Resp: 1251
Ion Ratio Lower Upper
43 100
58 70.9 33.5 50.3#





#52

Toluene

Concen: 0.740 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

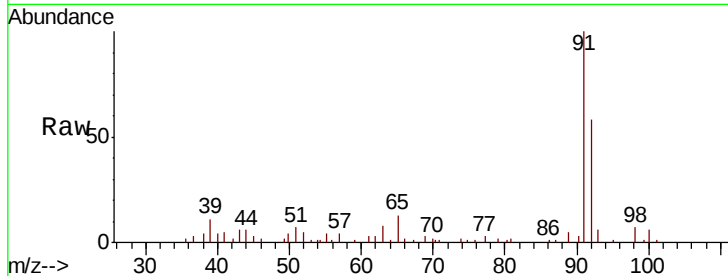
GW-A-061919

Tot Ion: 92 Resp: 5603

Ion Ratio Lower Upper

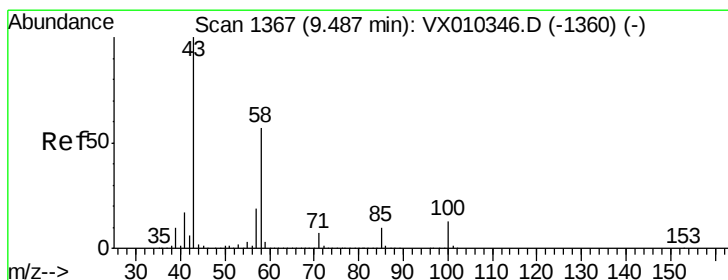
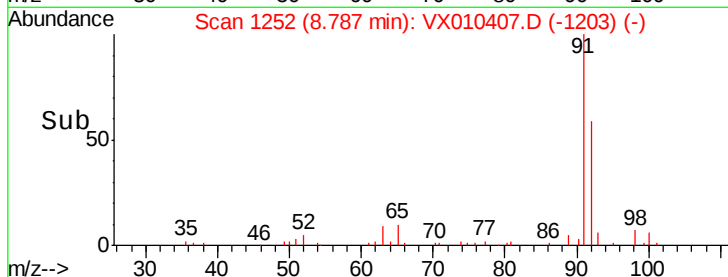
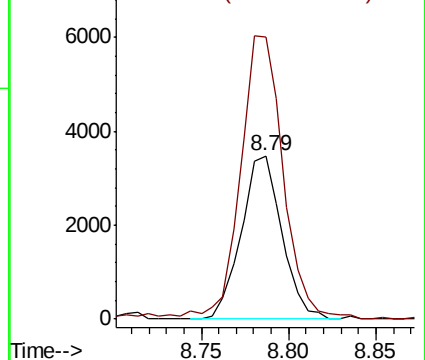
92 100

91 182.2 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#59

2-Hexanone

Concen: 0.599 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX010407.D

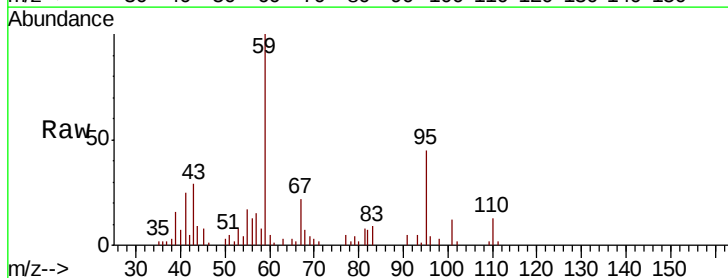
Acq: 24 Jun 2019 12:54

Tgt Ion: 43 Resp: 1894

Ion Ratio Lower Upper

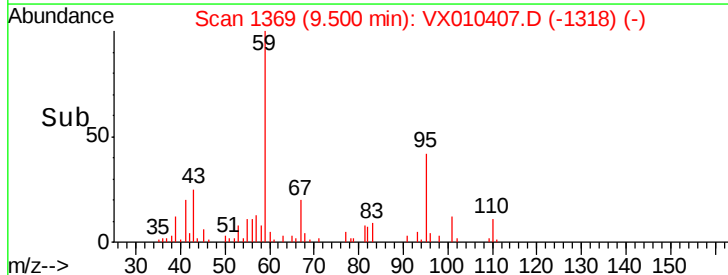
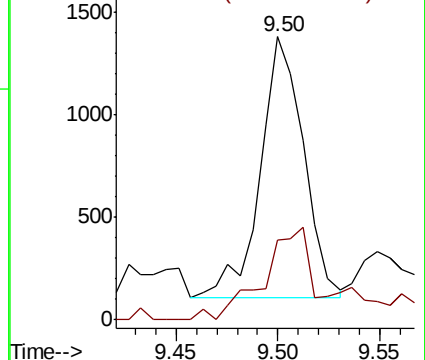
43 100

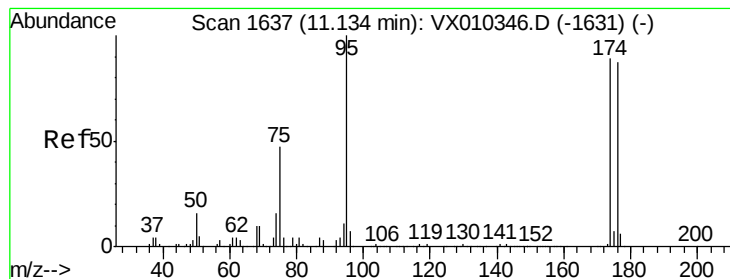
58 39.2 29.0 87.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.363 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

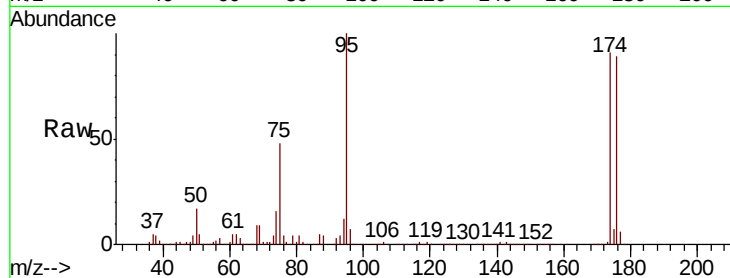
Tot Ion: 95 Resp: 189936

Ion Ratio Lower Upper

95 100

174 93.6 0.0 187.6

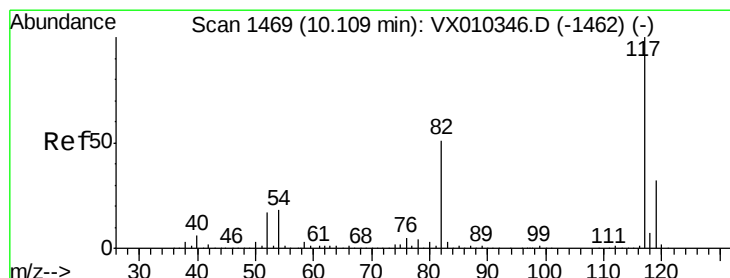
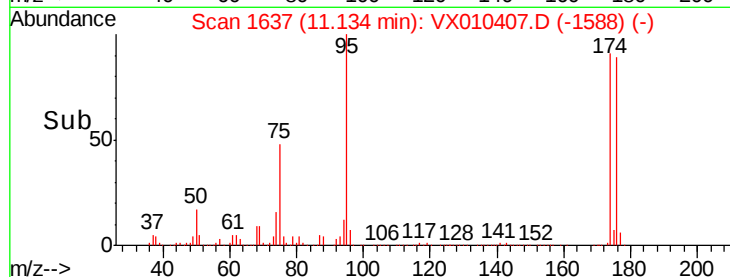
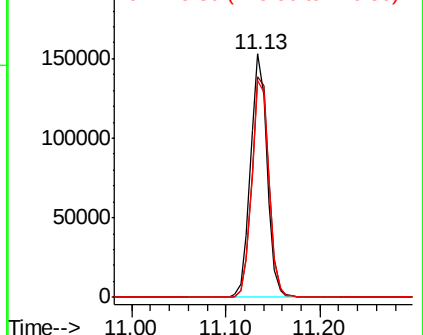
176 91.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

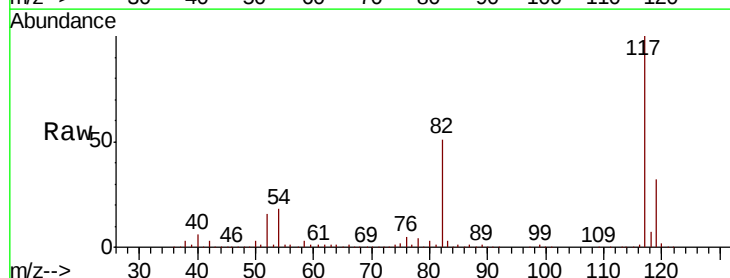
Tgt Ion: 117 Resp: 417794

Ion Ratio Lower Upper

117 100

82 50.5 41.2 61.8

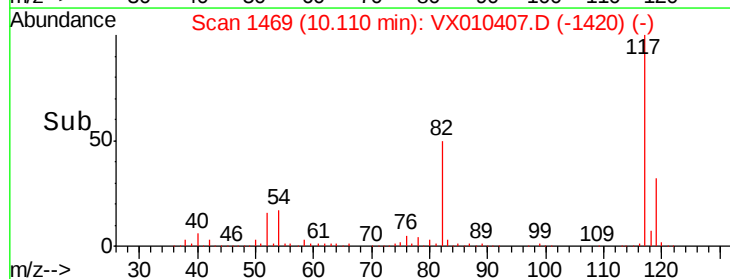
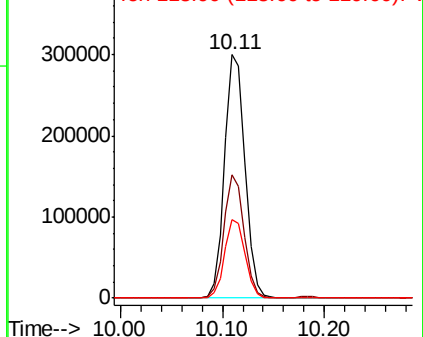
119 32.4 25.5 38.3

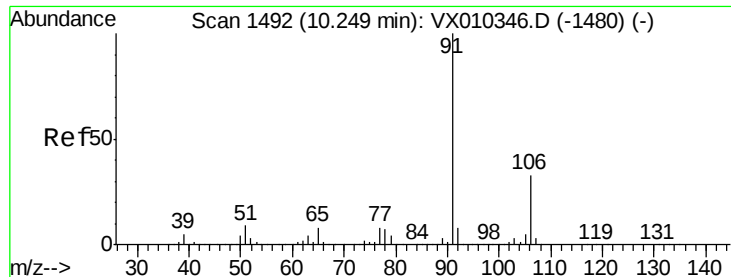


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)





#67

Ethyl Benzene

Concen: 70.447 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

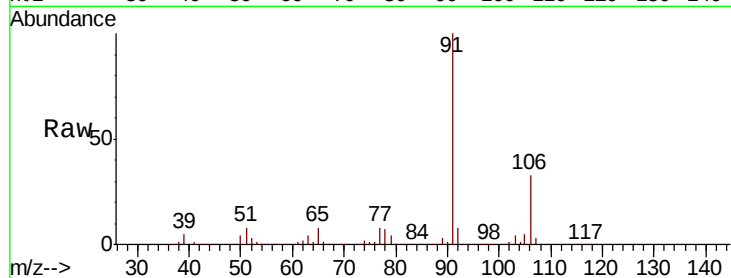
GW-A-061919

Tot Ion: 91 Resp: 1008762

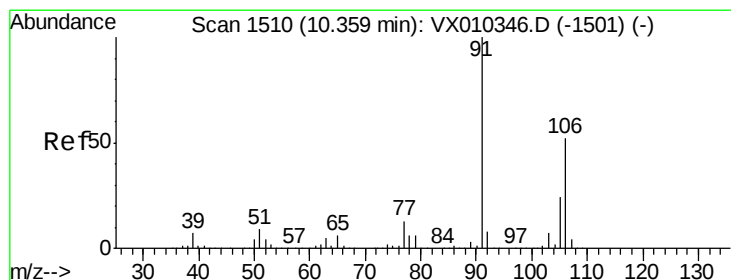
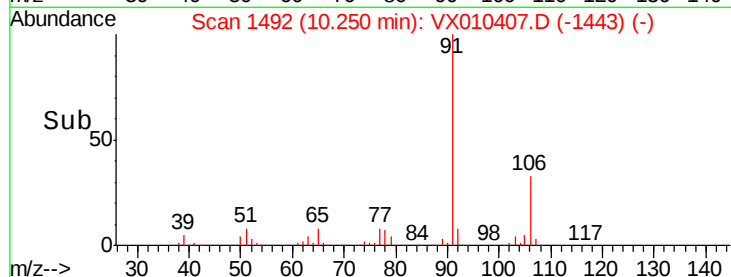
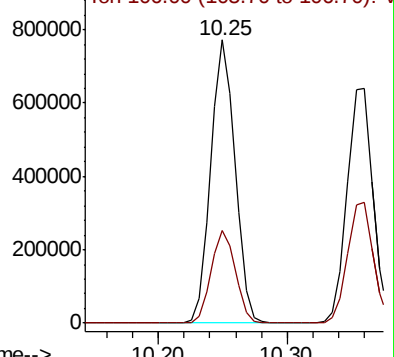
Ion Ratio Lower Upper

91 100

106 33.0 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1480) (-)



#68

m/p-Xylenes

Concen: 81.521 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010407.D

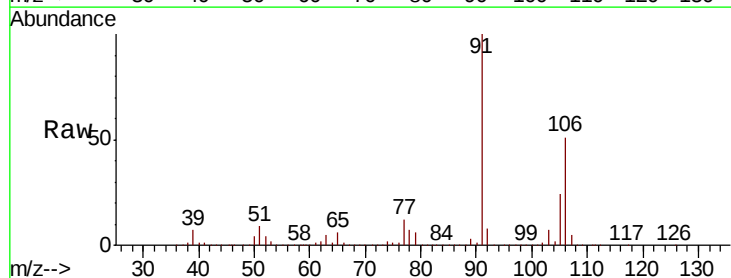
Acq: 24 Jun 2019 12:54

Tgt Ion: 106 Resp: 452316

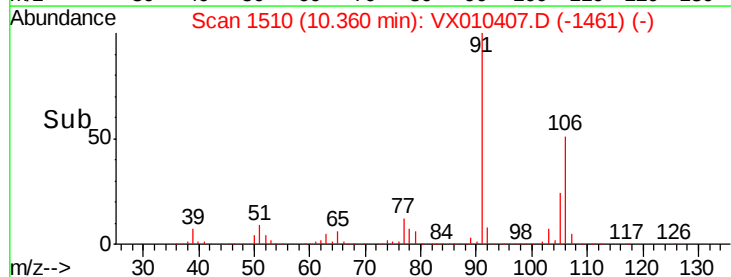
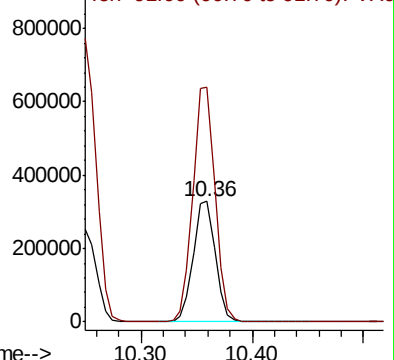
Ion Ratio Lower Upper

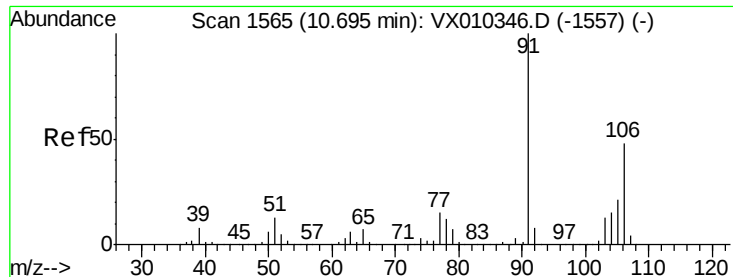
106 100

91 195.2 155.3 232.9



Abundance Ion 106.00 (105.70 to 106.70): VX010346.D (-1501) (-)

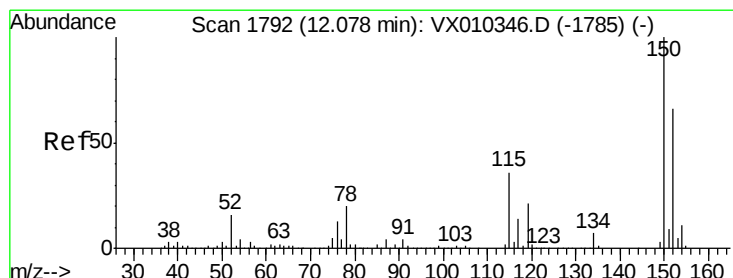
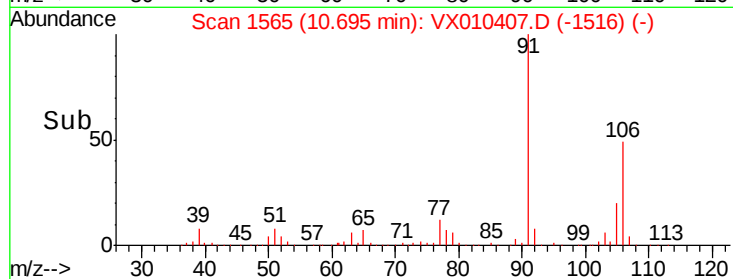
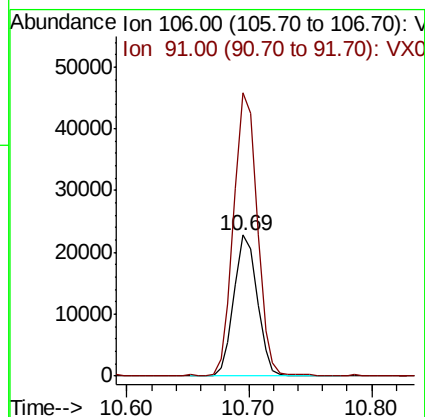
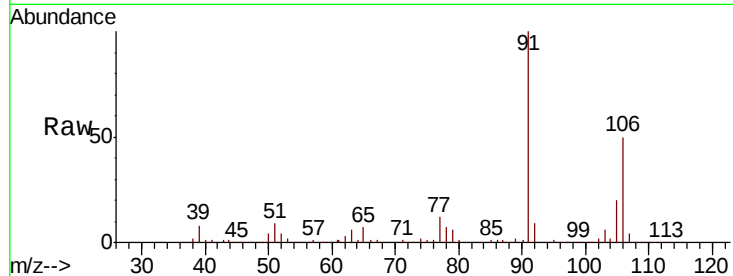




#69
o-Xylene
Concen: 5.537 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

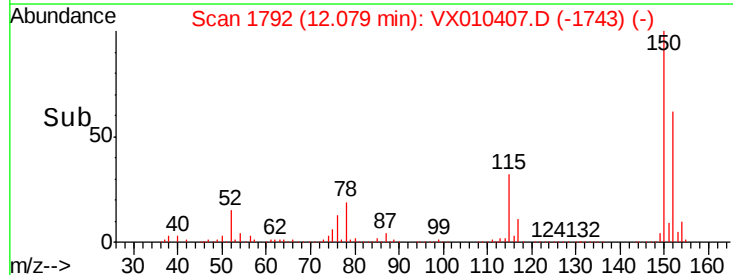
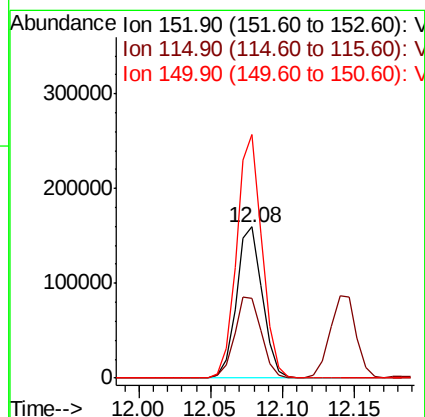
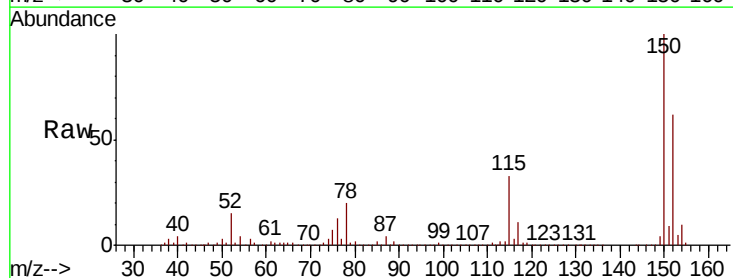
Instrument :
MSVOA_X
ClientSampled :
GW-A-061919

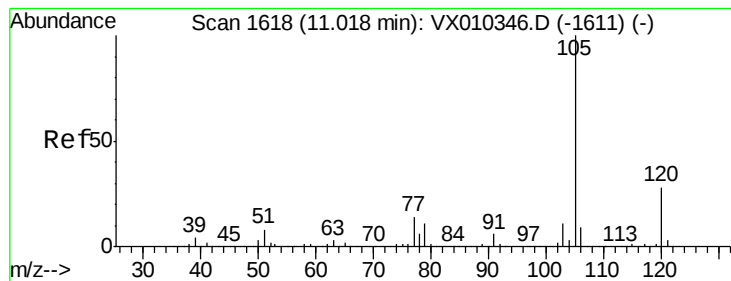
Tot Ion:106 Resp: 30214
Ion Ratio Lower Upper
106 100
91 200.9 102.7 308.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion:152 Resp: 199370
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 158.4 0.0 347.4





#73

Isopropylbenzene

Concen: 97.470 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

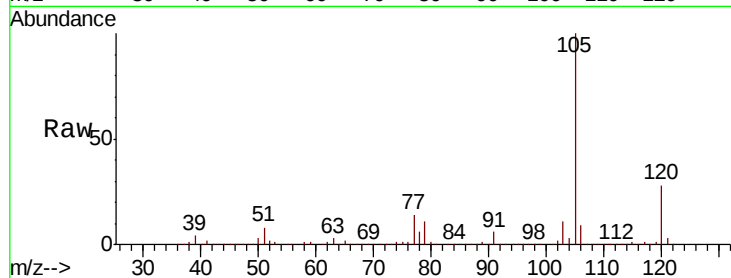
GW-A-061919

Tot Ion:105 Resp: 1317287

Ion Ratio Lower Upper

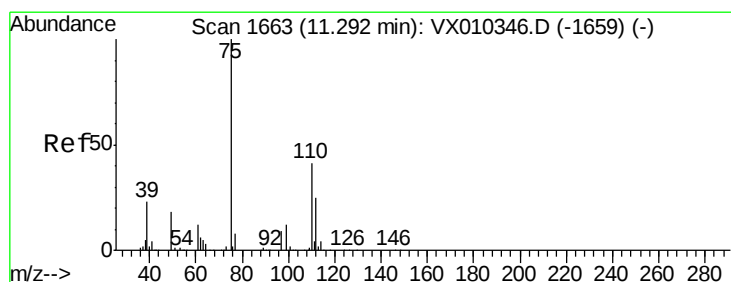
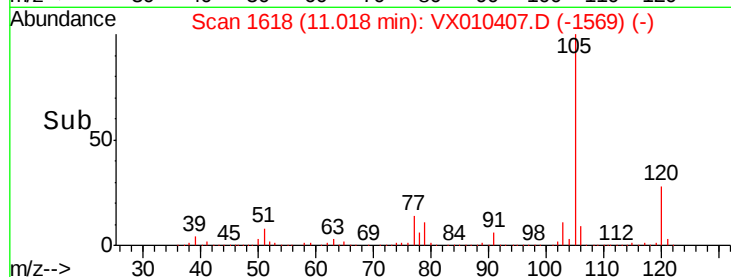
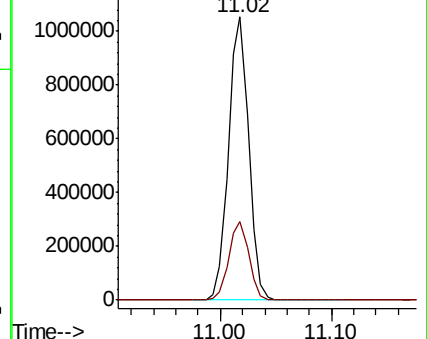
105 100

120 27.7 14.1 42.4



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: 5.253 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.07 min

Lab File: VX010407.D

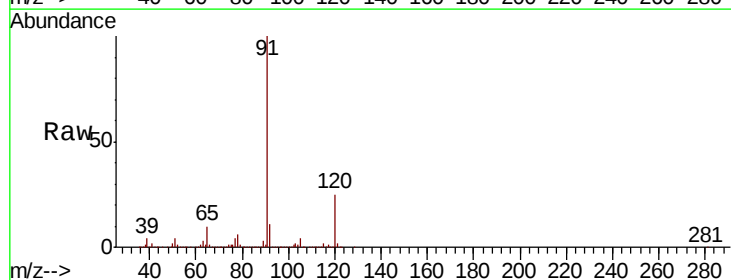
Acq: 24 Jun 2019 12:54

Tgt Ion: 75 Resp: 19084

Ion Ratio Lower Upper

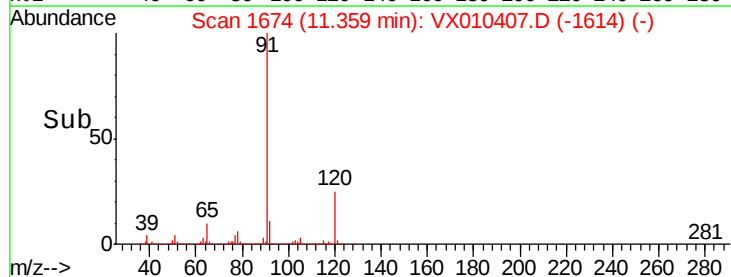
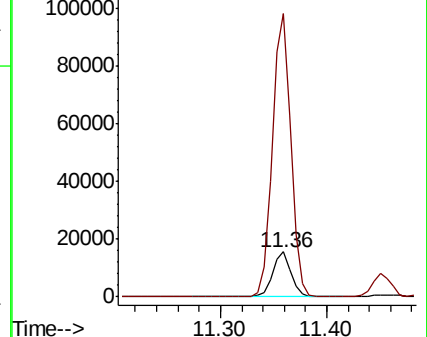
75 100

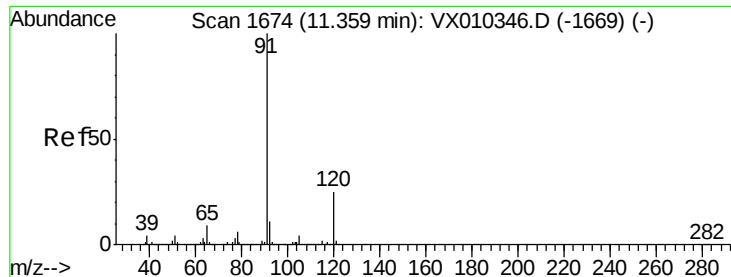
77 622.1 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 212.294 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

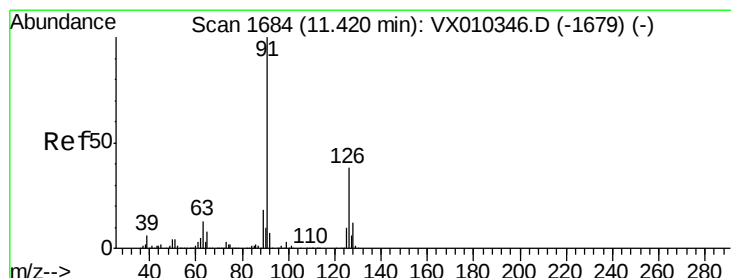
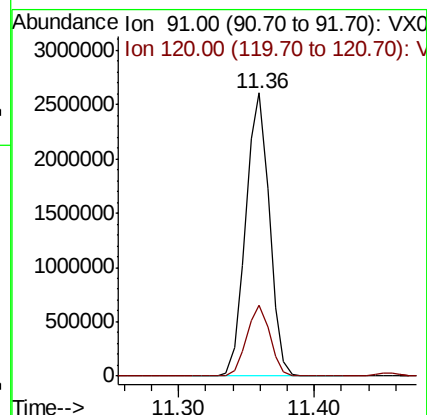
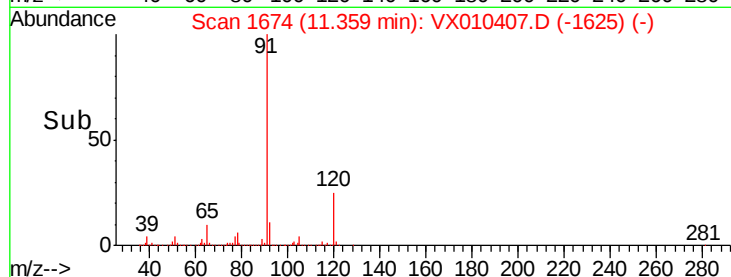
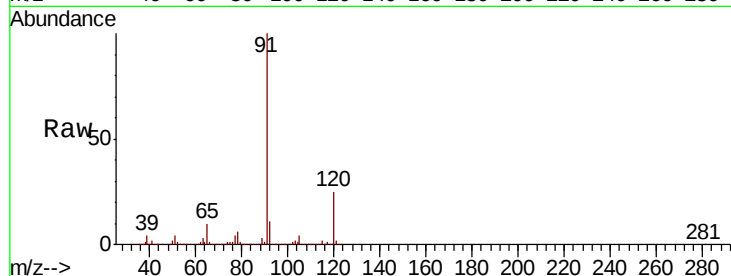
GW-A-061919

Tot Ion: 91 Resp: 3153288

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.4



#79

2-Chlorotoluene

Concen: 356.513 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.06 min

Lab File: VX010407.D

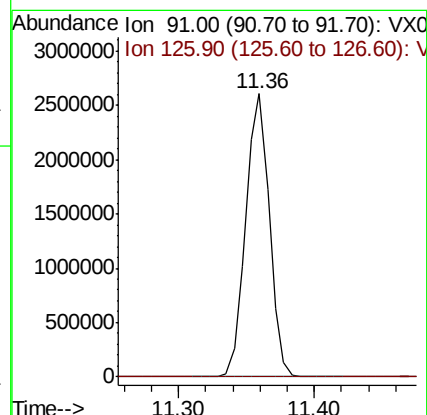
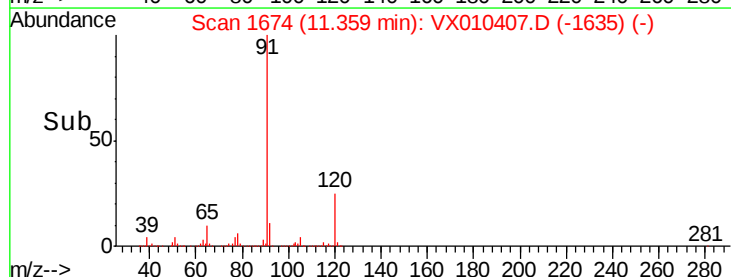
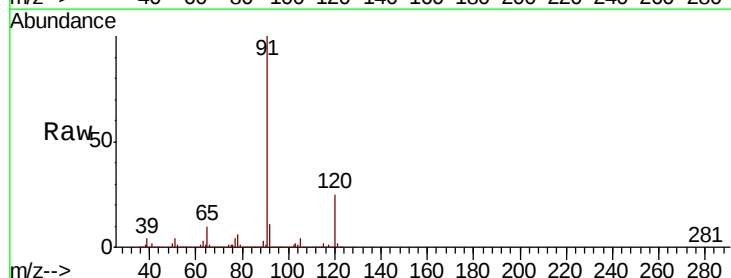
Acq: 24 Jun 2019 12:54

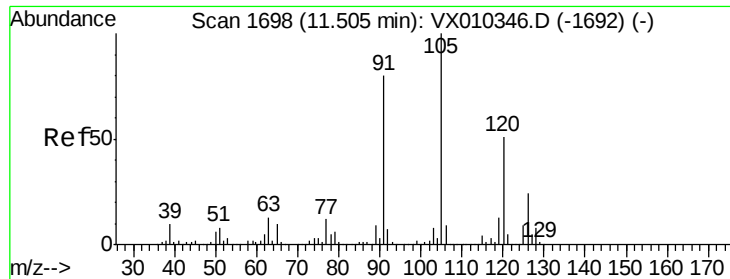
Tgt Ion: 91 Resp: 3153288

Ion Ratio Lower Upper

91 100

126 0.0 18.7 56.1#

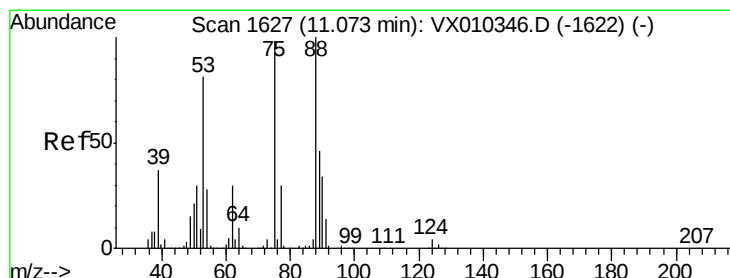
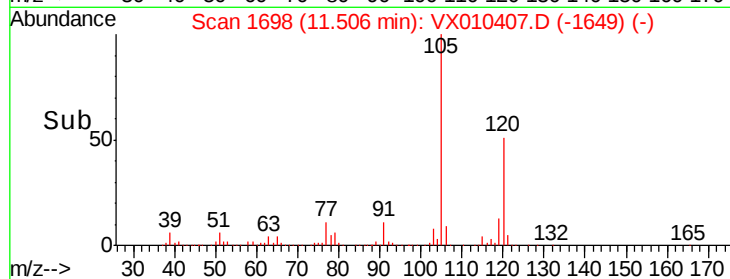
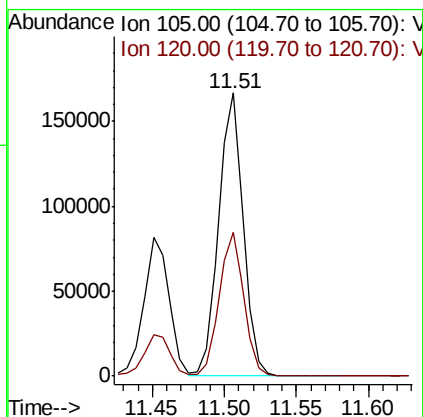
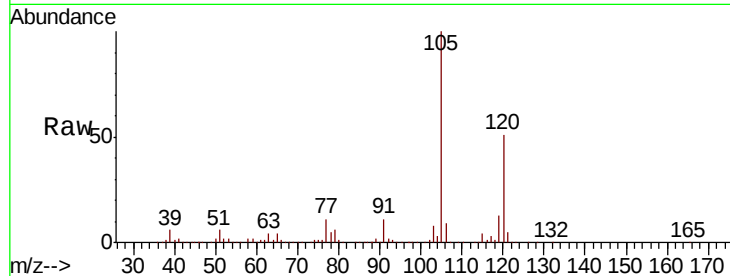




#80
 1,3,5-Trimethylbenzene
 Concen: 18.026 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

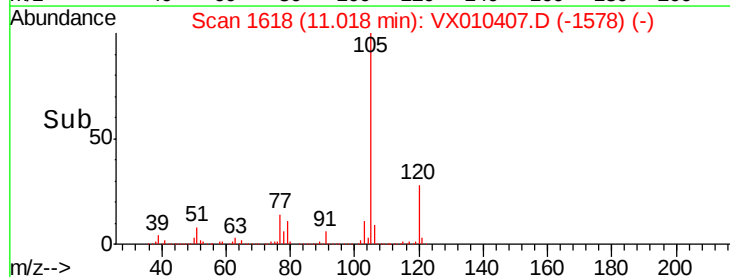
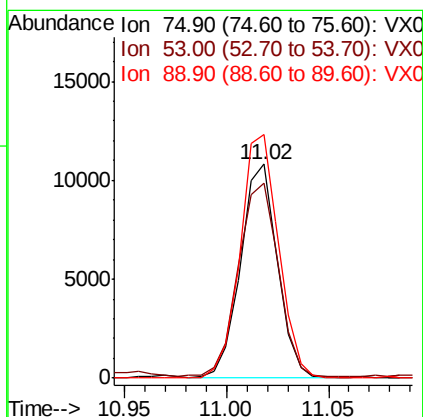
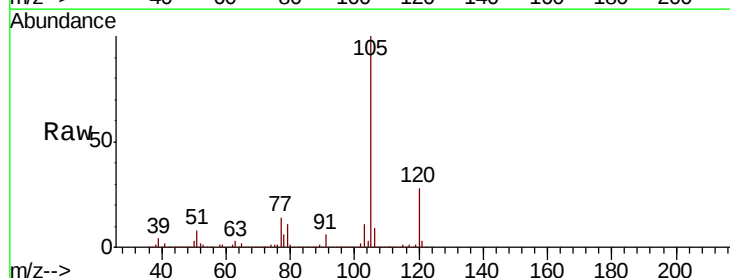
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-A-061919

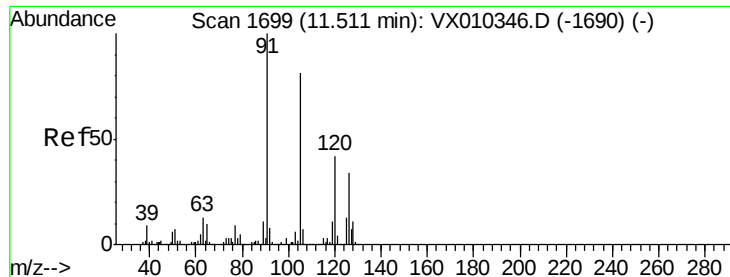
Tot Ion:105 Resp: 200832
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.2 75.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 8.732 ug/l
 RT: 11.02 min Scan# 1618
 Delta R.T. -0.05 min
 Lab File: VX010407.D
 Acq: 24 Jun 2019 12:54

Tgt Ion: 75 Resp: 13599
 Ion Ratio Lower Upper
 75 100
 53 98.3 66.1 99.1
 89 118.1 37.8 56.6#

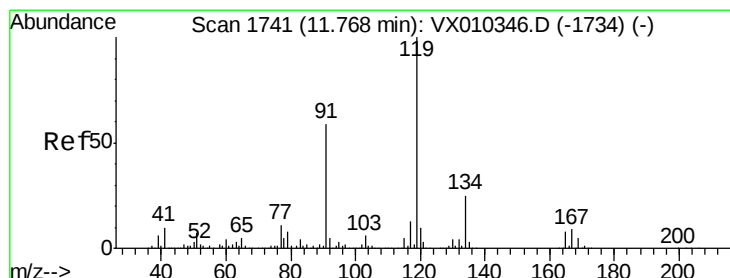
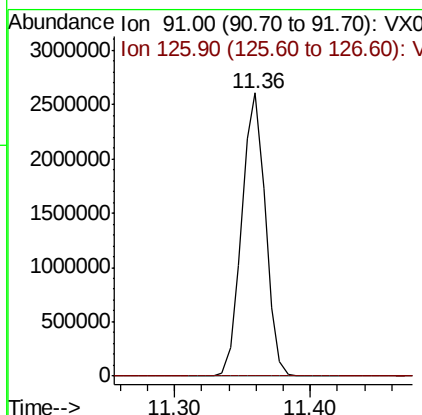
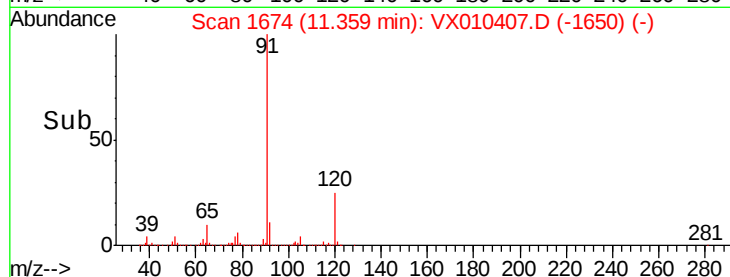
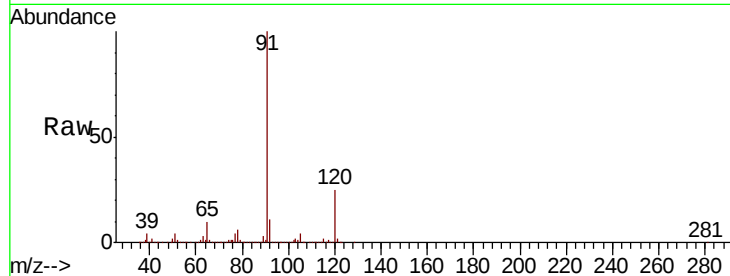




#82
4-Chlorotoluene
Concen: 313.309 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.15 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

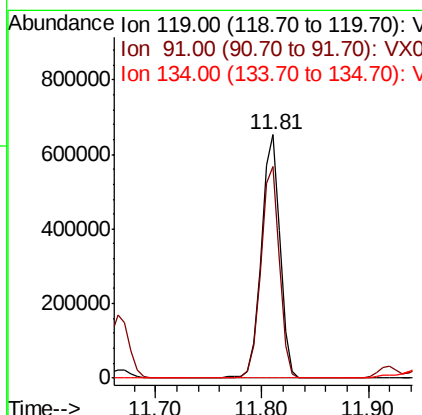
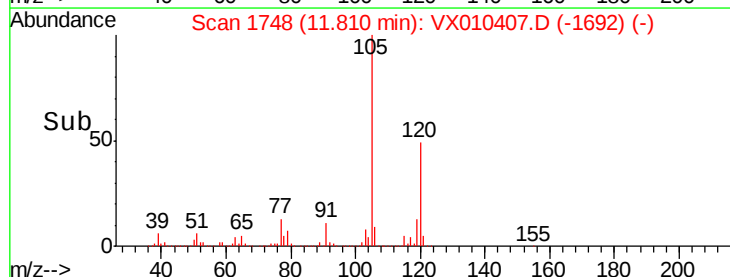
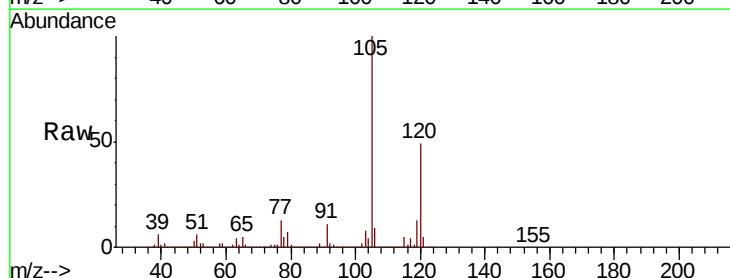
Instrument :
MSVOA_X
ClientSampleId :
GW-A-061919

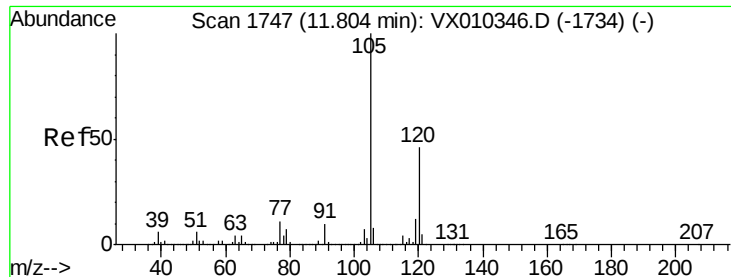
Tot Ion: 91 Resp: 3153288
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#83
tert-Butylbenzene
Concen: 71.308 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 119 Resp: 797398
Ion Ratio Lower Upper
119 100
91 87.0 27.6 82.7#
134 0.0 11.8 35.4#





#84

1,2,4-Trimethylbenzene

Concen: 553.016 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampled :

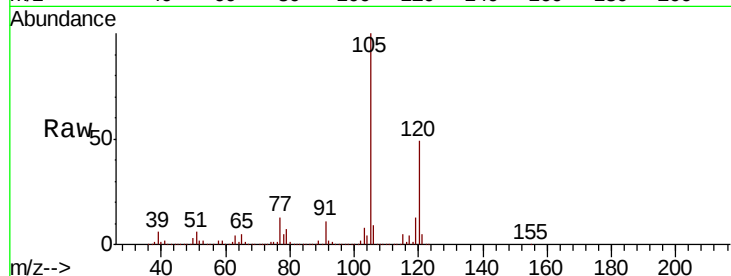
GW-A-061919

Tot Ion:105 Resp: 6190227

Ion Ratio Lower Upper

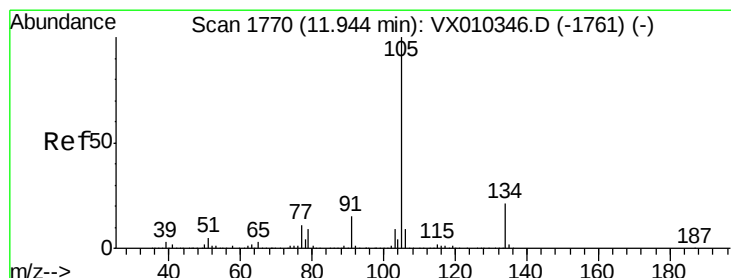
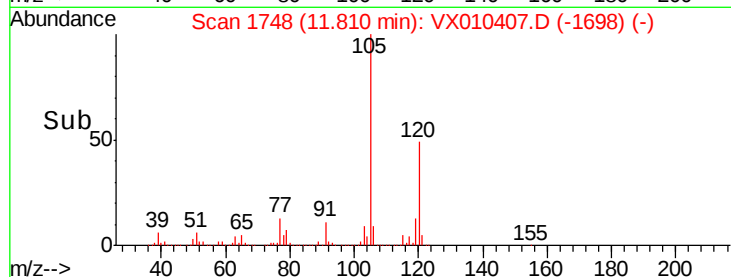
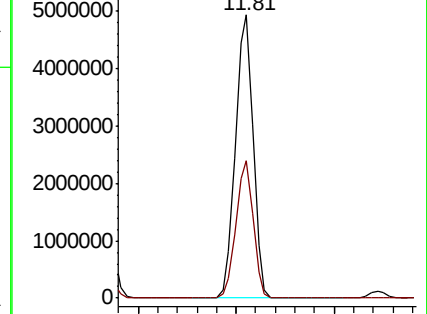
105 100

120 47.5 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 471.391 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.13 min

Lab File: VX010407.D

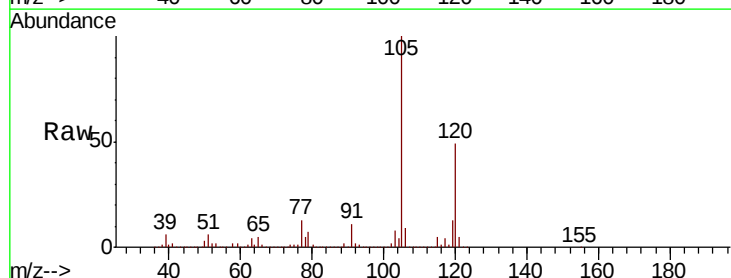
Acq: 24 Jun 2019 12:54

Tgt Ion:105 Resp: 6189207

Ion Ratio Lower Upper

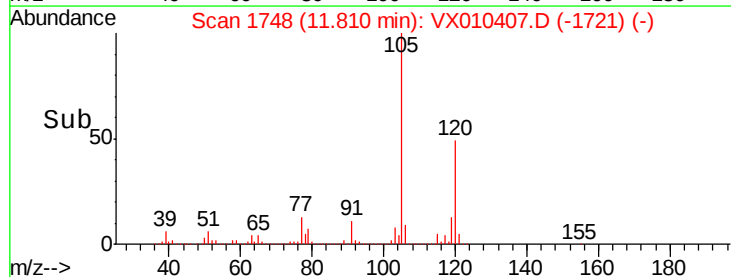
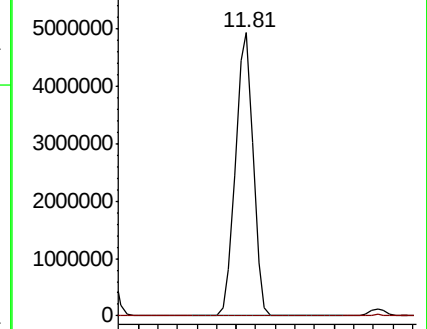
105 100

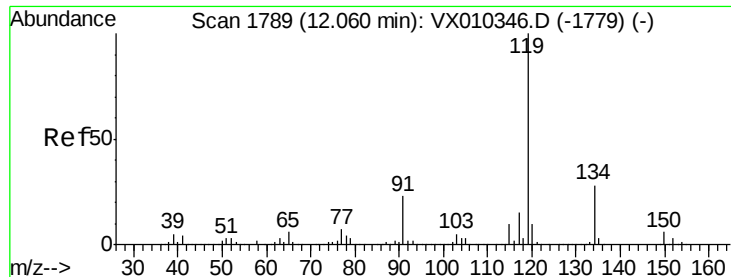
134 0.0 10.7 31.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 21.859 ug/l

RT: 12.14 min Scan# 1802

Delta R.T. 0.08 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

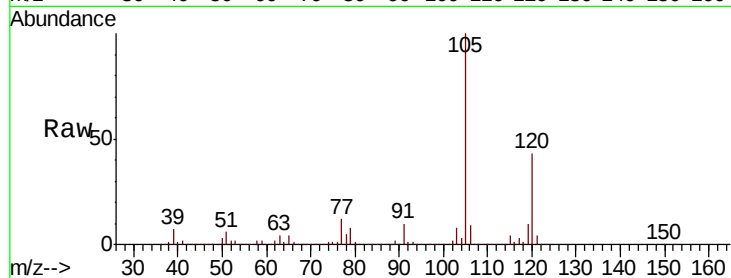
Tot Ion:119 Resp: 265463

Ion Ratio Lower Upper

119 100

134 0.0 13.7 41.1#

91 101.0 11.3 33.8#

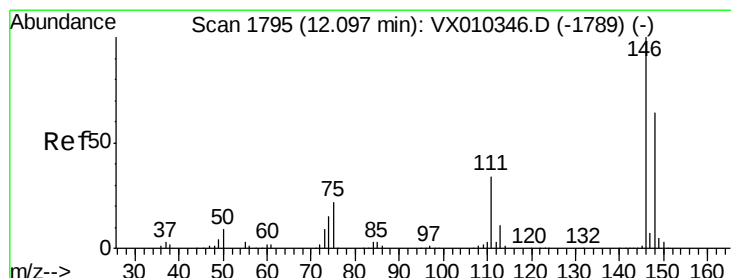
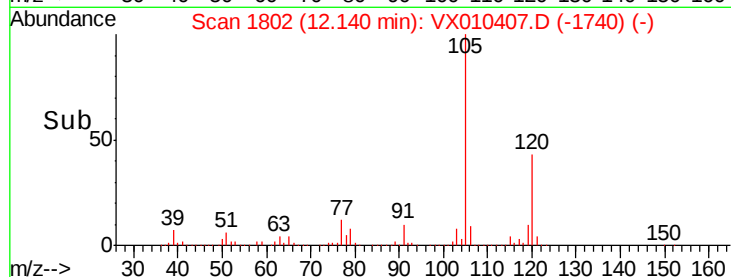
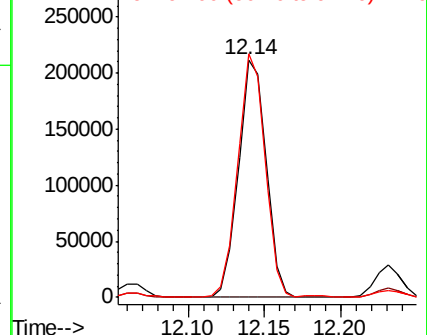


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#88

1,4-Dichlorobenzene

Concen: 0.375 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

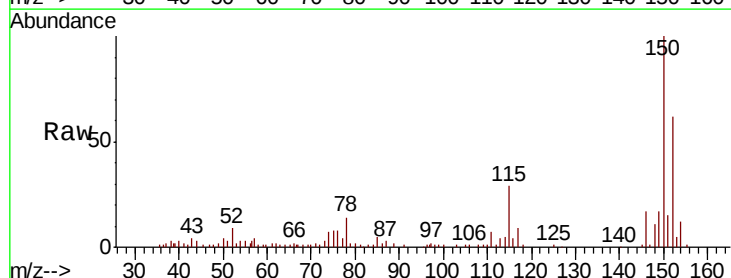
Tgt Ion:146 Resp: 2513

Ion Ratio Lower Upper

146 100

111 0.0 18.1 54.3#

148 93.4 32.1 96.3

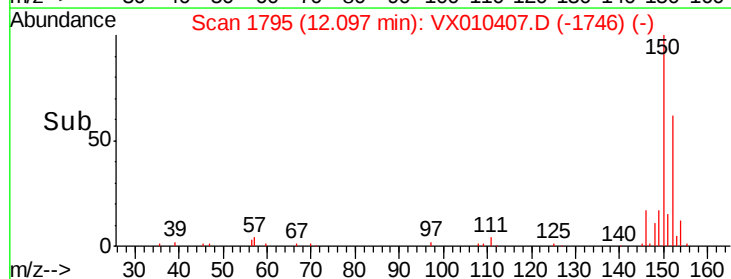
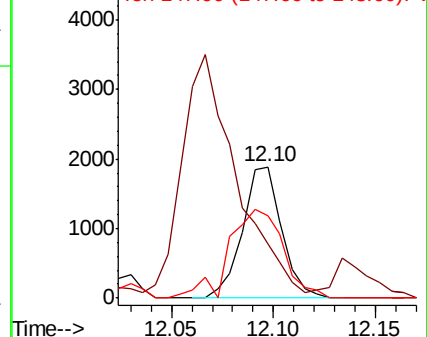


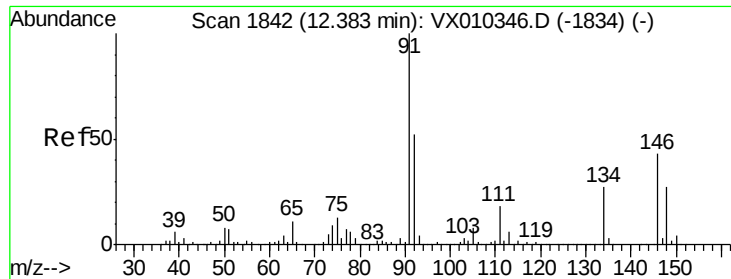
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

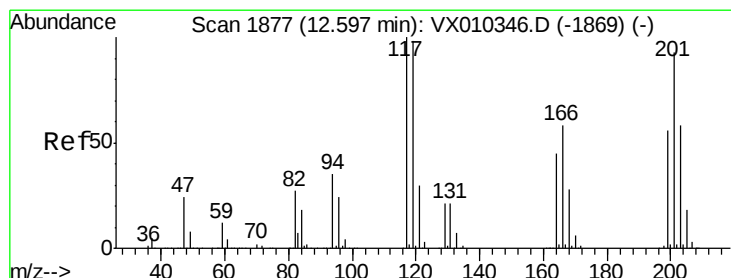
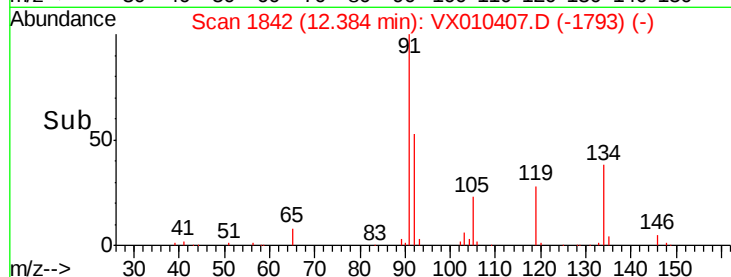
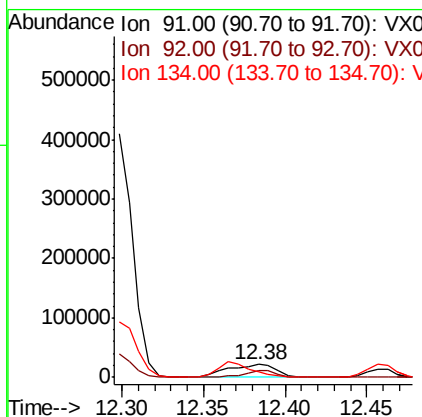
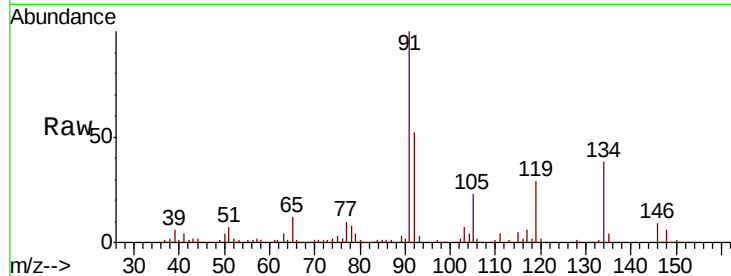




#89
n-Butylbenzene
Concen: 4.395 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

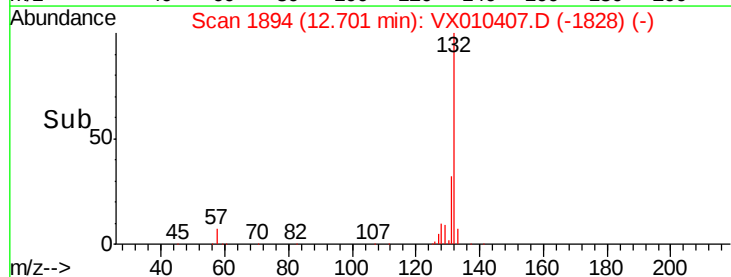
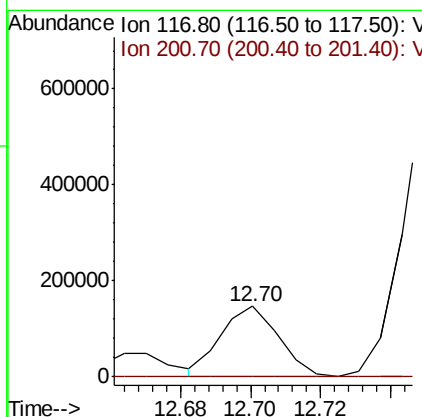
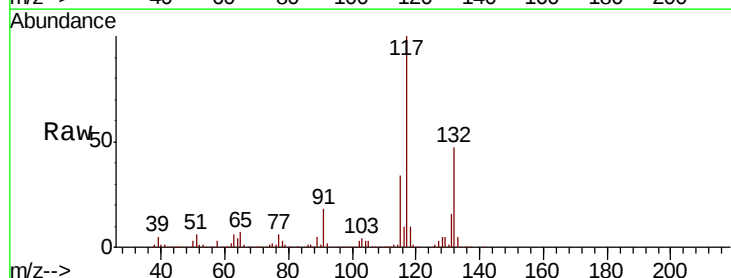
Instrument :
MSVOA_X
ClientSampled :
GW-A-061919

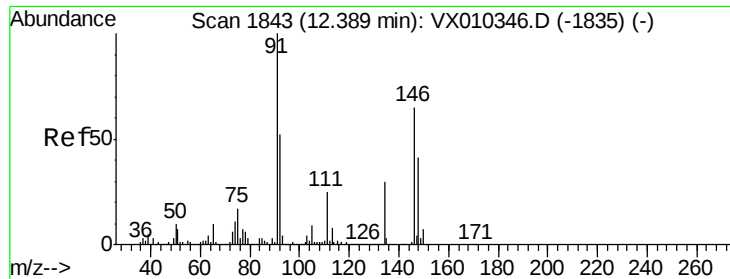
Tot Ion: 91 Resp: 45360
Ion Ratio Lower Upper
91 100
92 34.9 26.2 78.5
134 83.2 14.1 42.4#



#90
Hexachloroethane
Concen: 78.263 ug/l
RT: 12.70 min Scan# 1894
Delta R.T. 0.10 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Tgt Ion: 117 Resp: 164349
Ion Ratio Lower Upper
117 100
201 0.0 44.0 131.8#





#91

1,2-Dichlorobenzene

Concen: 0.555 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

Instrument :

MSVOA_X

ClientSampleId :

GW-A-061919

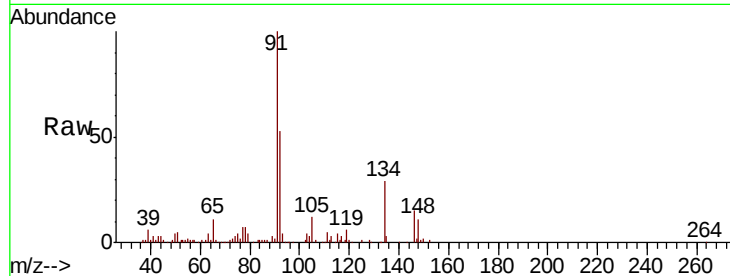
Tot Ion:146 Resp: 3633

Ion Ratio Lower Upper

146 100

111 44.1 19.2 57.6

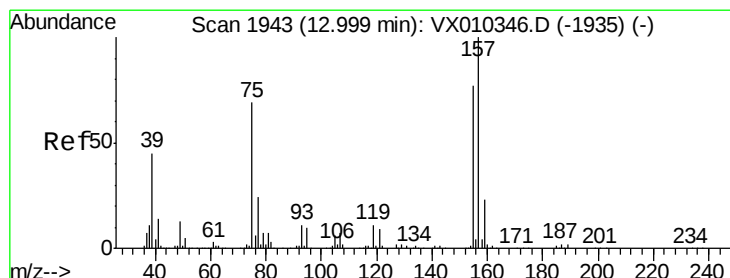
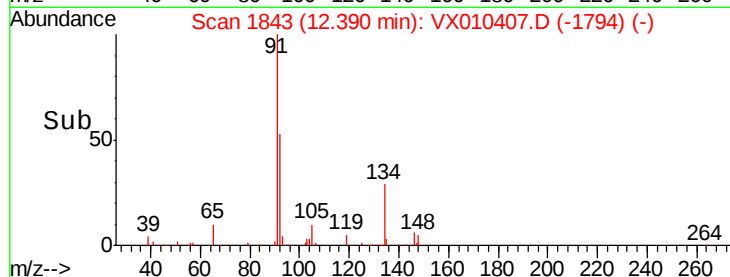
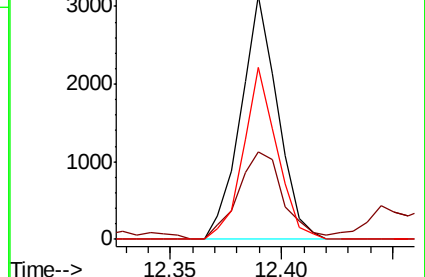
148 64.3 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.789 ug/l

RT: 13.01 min Scan# 1945

Delta R.T. 0.01 min

Lab File: VX010407.D

Acq: 24 Jun 2019 12:54

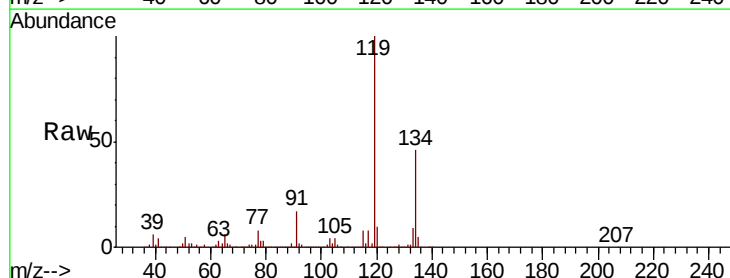
Tgt Ion: 75 Resp: 1726

Ion Ratio Lower Upper

75 100

155 0.0 54.4 163.1#

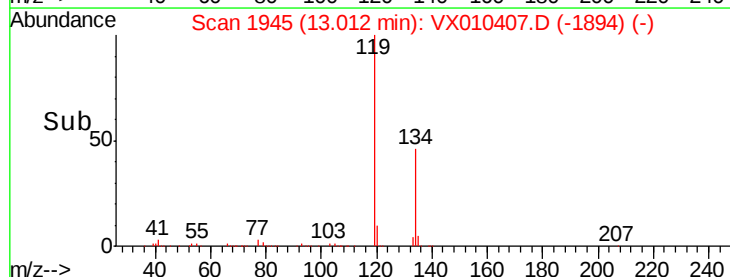
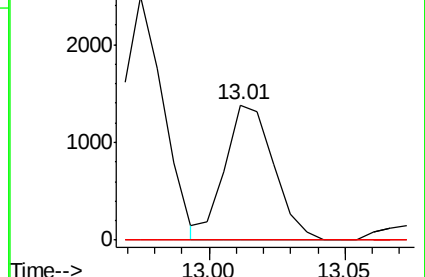
157 0.0 69.5 208.3#

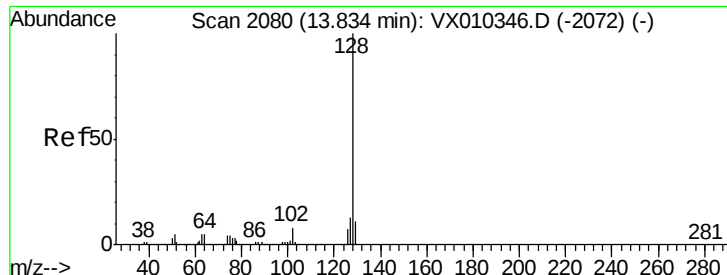


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

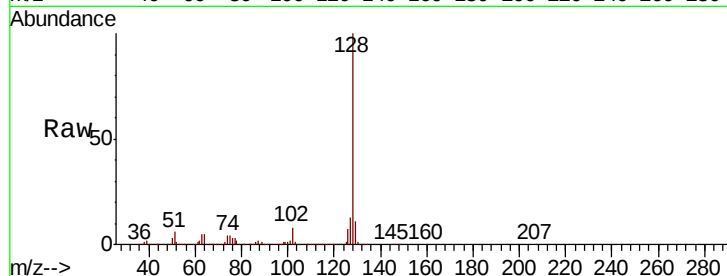




#95
Naphthalene
Concen: 266.467 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010407.D
Acq: 24 Jun 2019 12:54

Instrument :
MSVOA_X
ClientSampleId :
GW-A-061919

Tot Ion:128 Resp: 3717808
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.2 8.9 13.3



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

