

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012918\
 Data File : VW001124.D
 Acq On : 29 Jan 2018 17:56
 Operator : JC/SY
 Sample : VW0129SBS01
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Quant Time: Jan 30 02:09:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271280	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	378202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	345532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	190188	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	129166	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	7.88	113	115242	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.33	98	465224	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.63	95	170015	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	45735	19.89	ug/l	100
3) Chloromethane	2.22	50	40057	19.95	ug/l	95
4) Vinyl Chloride	2.36	62	40069	20.04	ug/l	98
5) Bromomethane	2.73	94	30326	22.26	ug/l	95
6) Chloroethane	2.89	64	23593	20.79	ug/l	99
7) Trichlorofluoromethane	3.25	101	78052	21.01	ug/l	99
8) Diethyl Ether	3.68	74	20268	20.96	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	47614	19.27	ug/l	98
10) Methyl Iodide	4.26	142	47819	18.32	ug/l	99
11) Tert butyl alcohol	5.20	59	30026	141.70	ug/l	99
12) 1,1-Dichloroethene	4.03	96	40310	18.67	ug/l	97
13) Acrolein	3.89	56	31262	91.86	ug/l	99
14) Allyl chloride	4.66	41	65876	20.42	ug/l	99
15) Acrylonitrile	5.37	53	75283	114.70	ug/l	99
16) Acetone	4.12	43	75361	108.68	ug/l	93
17) Carbon Disulfide	4.36	76	131021	19.54	ug/l	99
18) Methyl Acetate	4.68	43	37242	22.75	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	115047	20.59	ug/l	95
20) Methylene Chloride	4.90	84	51068	20.84	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	48709	20.20	ug/l	97
22) Diisopropyl ether	6.31	45	128384	20.77	ug/l	98
23) Vinyl Acetate	6.26	43	364988	98.58	ug/l	97
24) 1,1-Dichloroethane	6.21	63	81595	20.23	ug/l	98
25) 2-Butanone	7.18	43	103653	113.88	ug/l	96
26) 2,2-Dichloropropane	7.17	77	79745	19.99	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	51737	20.12	ug/l	99
28) Bromochloromethane	7.51	49	33236	20.28	ug/l	97
29) Tetrahydrofuran	7.53	42	60319	116.04	ug/l	99
30) Chloroform	7.68	83	88349	20.22	ug/l	99
31) Cyclohexane	7.95	56	78295	20.01	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	85025	20.56	ug/l	99
36) 1,1-Dichloropropene	8.08	75	69514	20.36	ug/l	100
37) Ethyl Acetate	7.26	43	42230	23.39	ug/l	100
38) Carbon Tetrachloride	8.07	117	76569	20.08	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	82236	20.40	ug/l	99
40) Benzene	8.32	78	191684	20.28	ug/l	99
41) Methacrylonitrile	7.49	41	23831	23.80	ug/l	97
42) 1,2-Dichloroethane	8.40	62	59986	20.18	ug/l	100
43) Isopropyl Acetate	8.43	43	67609	21.77	ug/l	100
44) Trichloroethene	9.09	130	57762	20.35	ug/l	95
45) 1,2-Dichloropropane	9.37	63	46328	20.35	ug/l	97
46) Dibromomethane	9.46	93	28192	19.80	ug/l	95
47) Bromodichloromethane	9.65	83	64822	20.13	ug/l	98
48) Methyl methacrylate	9.45	41	32044	21.59	ug/l	99
49) 1,4-Dioxane	9.45	88	12224	481.88	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	197695	116.51	ug/l	99
52) Toluene	10.40	92	124905	20.58	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	65188	20.06	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	71953	19.83	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41710	20.55	ug/l	96
56) Ethyl methacrylate	10.66	69	49289	20.72	ug/l	98
57) 1,3-Dichloropropane	10.94	76	67698	20.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	110239	86.59	ug/l	100
59) 2-Hexanone	10.98	43	147561	114.95	ug/l	99
60) Dibromochloromethane	11.13	129	49659	20.08	ug/l	100
61) 1,2-Dibromoethane	11.24	107	42418	20.73	ug/l	99
64) Tetrachloroethene	10.87	164	55014	19.80	ug/l	98
65) Chlorobenzene	11.66	112	140092	20.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	51400	20.20	ug/l	98
67) Ethyl Benzene	11.74	91	235101	20.21	ug/l	99
68) m/p-Xylenes	11.85	106	188557	41.60	ug/l	97
69) o-Xylene	12.18	106	85489	20.45	ug/l	99
70) Styrene	12.20	104	141788	20.64	ug/l	99
71) Bromoform	12.36	173	34979	21.27	ug/l #	97
73) Isopropylbenzene	12.48	105	239576	20.11	ug/l	100
74) N-amyl acetate	12.29	43	59721	21.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	53157	21.82	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	71381	37.03	ug/l #	100
77) Bromobenzene	12.76	156	62347	20.16	ug/l	98
78) n-propylbenzene	12.82	91	293427	20.57	ug/l	100
79) 2-Chlorotoluene	12.91	91	165987	20.34	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	208292	20.44	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	14783	20.17	ug/l	98
82) 4-Chlorotoluene	13.01	91	176949	20.34	ug/l	99
83) tert-Butylbenzene	13.23	119	182483	20.27	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	214572	20.70	ug/l	98
85) sec-Butylbenzene	13.40	105	261092	20.51	ug/l	100
86) p-Isopropyltoluene	13.52	119	233702	20.64	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	123362	20.20	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	124147	20.23	ug/l	99
89) n-Butylbenzene	13.84	91	216352	20.51	ug/l	100
90) Hexachloroethane	14.11	117	42316	20.04	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	113480	20.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10711	21.79	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

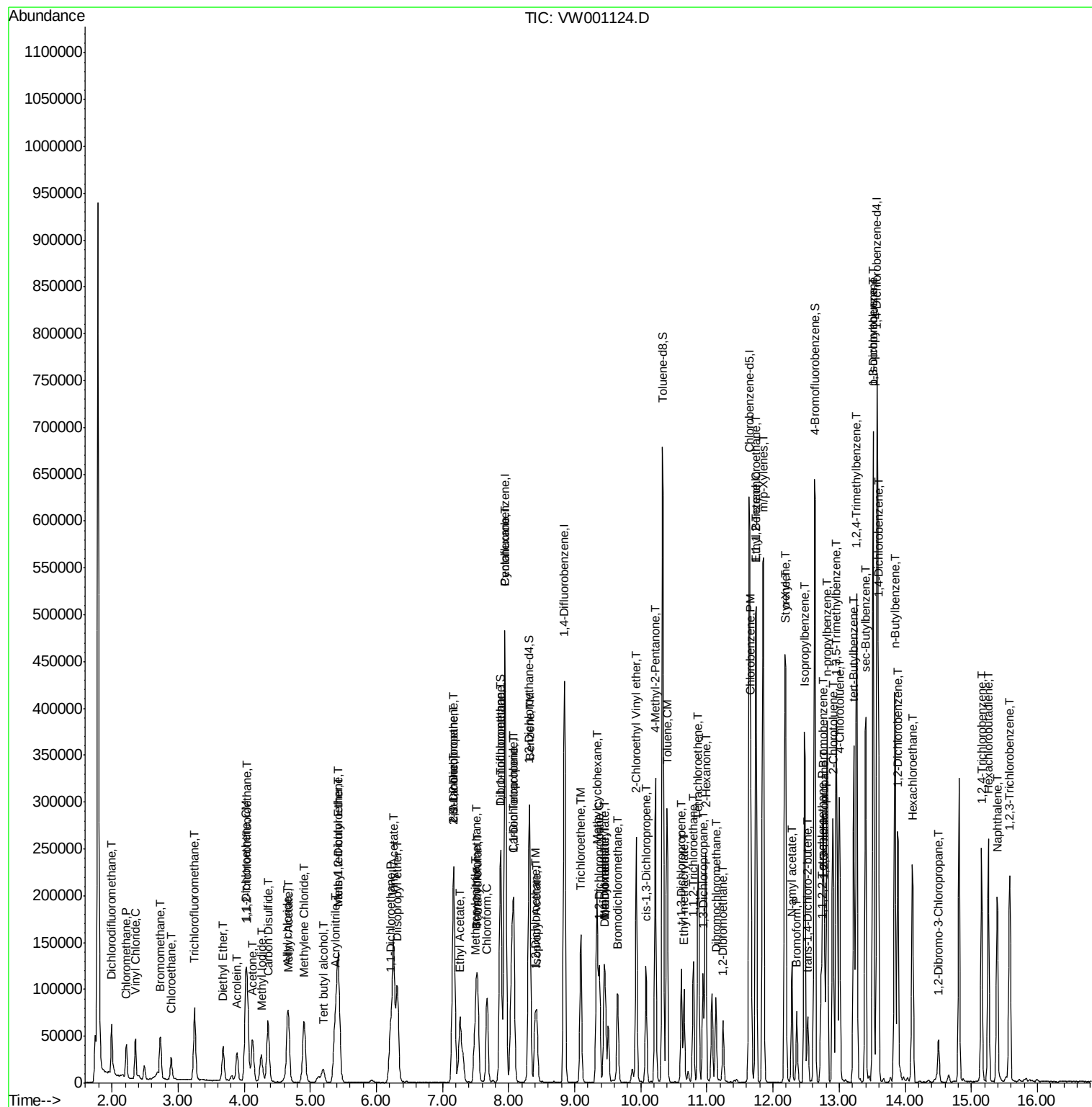
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	85050	20.68	ug/l	100
94) Hexachlorobutadiene	15.26	225	54489	21.42	ug/l	97
95) Naphthalene	15.39	128	175005	21.57	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	80289	21.17	ug/l	98

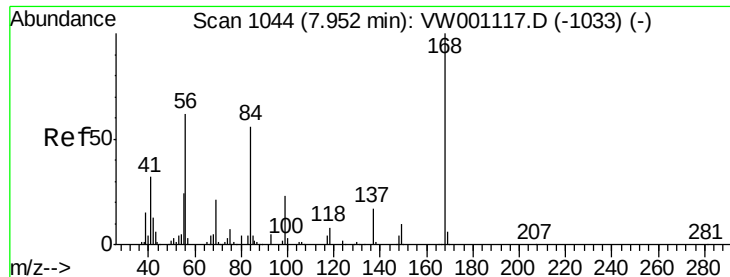
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

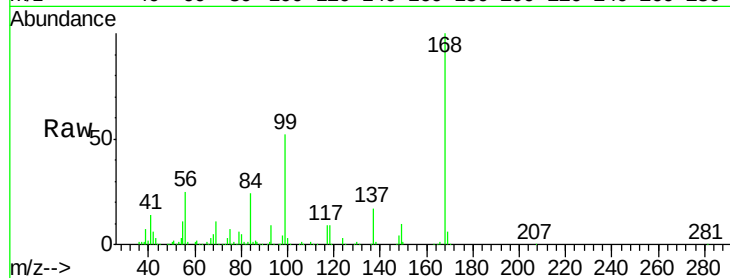
VW0129SBS01

Tgt Ion:168 Resp: 271280

Ion Ratio Lower Upper

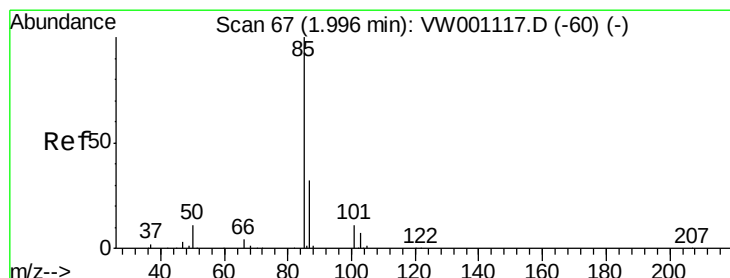
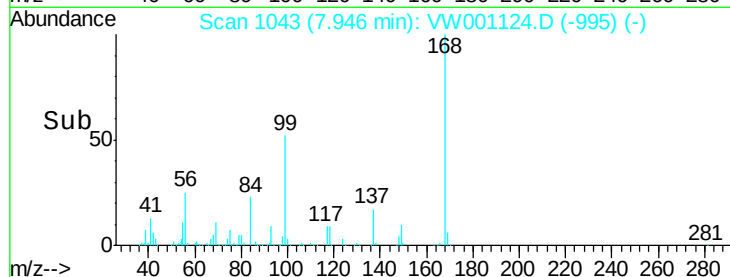
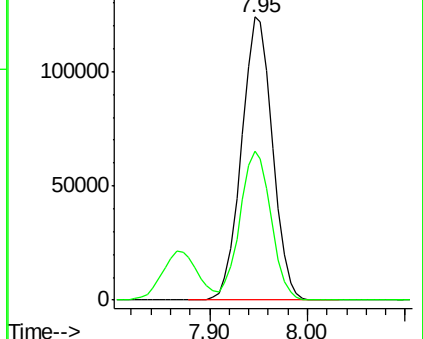
168 100

99 52.5 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.89 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW001124.D

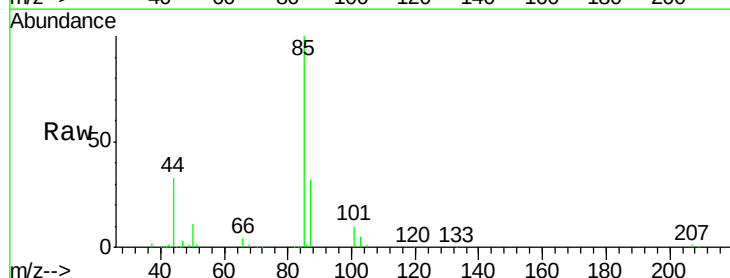
Acq: 29 Jan 2018 17:56

Tgt Ion: 85 Resp: 45735

Ion Ratio Lower Upper

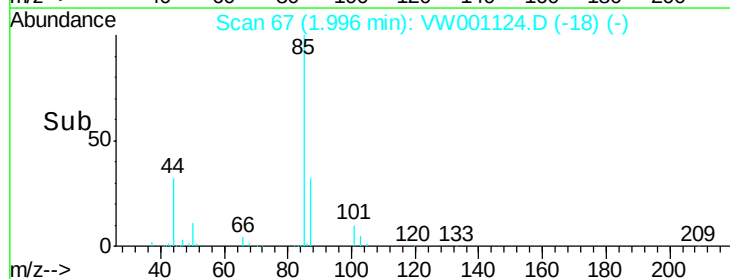
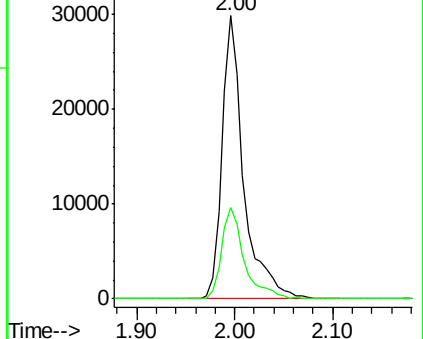
85 100

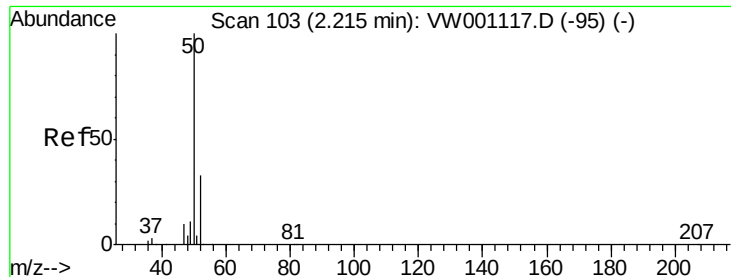
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.95 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

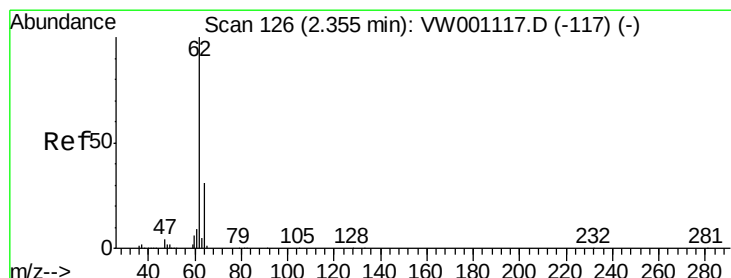
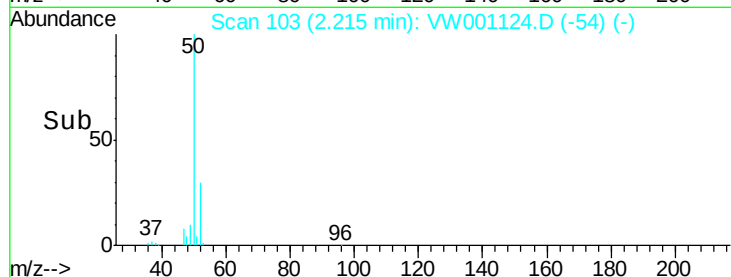
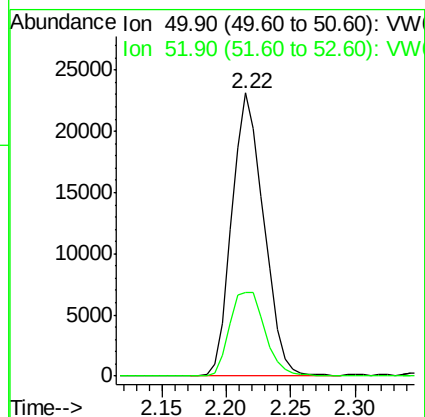
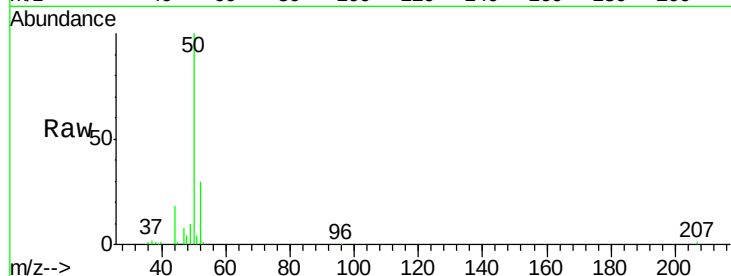
VW0129SBS01

Tgt Ion: 50 Resp: 40057

Ion Ratio Lower Upper

50 100

52 29.8 26.2 39.4



#4

Vinyl Chloride

Concen: 20.04 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW001124.D

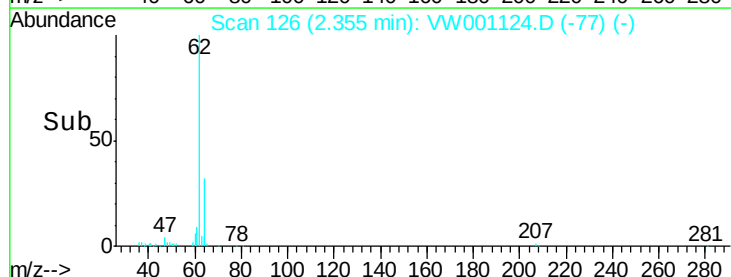
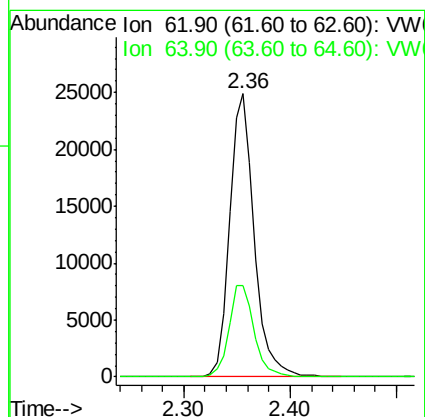
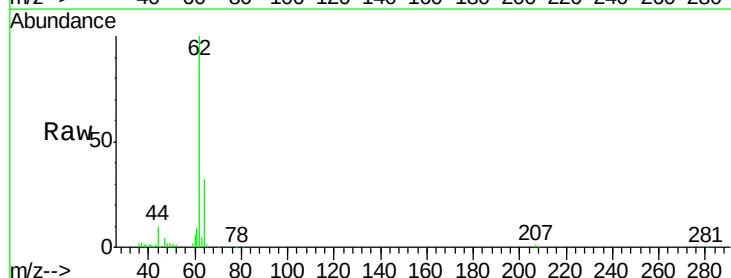
Acq: 29 Jan 2018 17:56

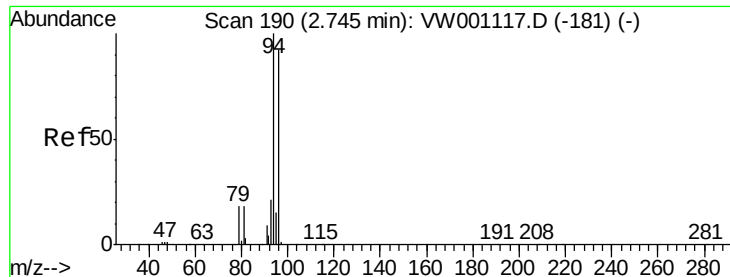
Tgt Ion: 62 Resp: 40069

Ion Ratio Lower Upper

62 100

64 32.4 25.2 37.8





#5

Bromomethane

Concen: 22.26 ug/l

RT: 2.73 min Scan# 188

Delta R.T. -0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

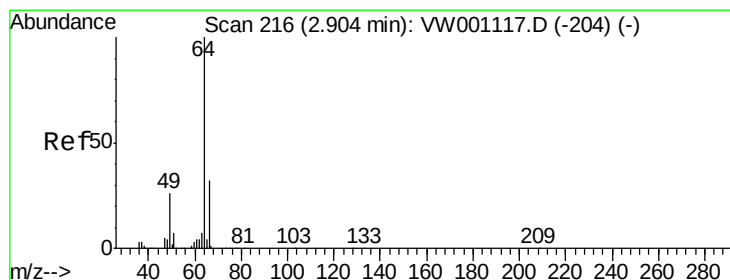
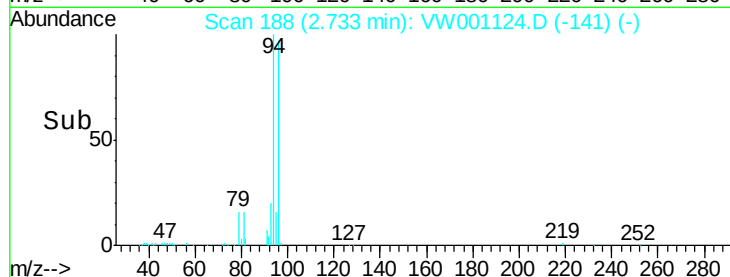
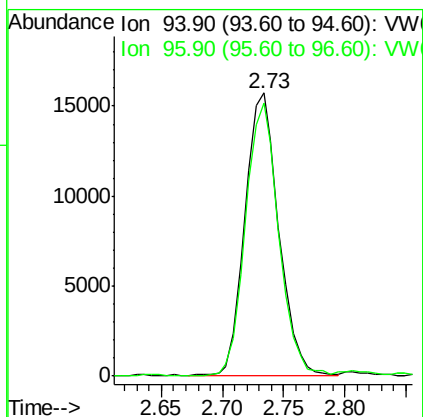
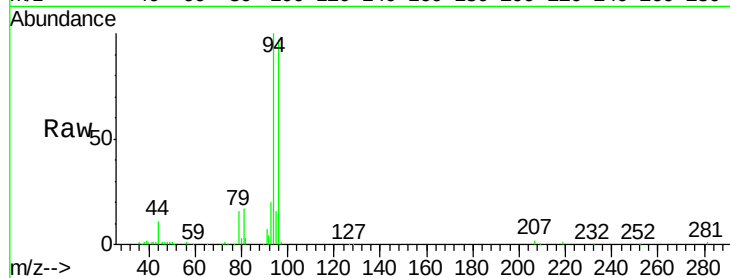
VW0129SBS01

Tgt Ion: 94 Resp: 30326

Ion Ratio Lower Upper

94 100

96 96.7 73.7 110.5



#6

Chloroethane

Concen: 20.79 ug/l

RT: 2.89 min Scan# 214

Delta R.T. -0.01 min

Lab File: VW001124.D

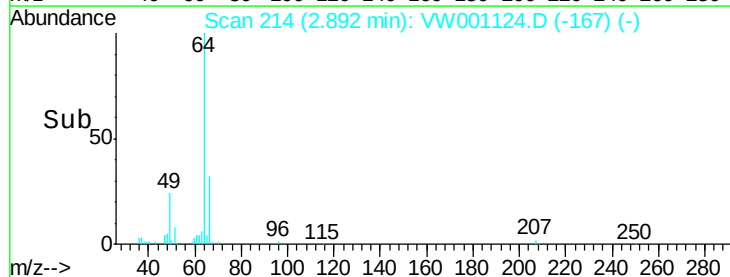
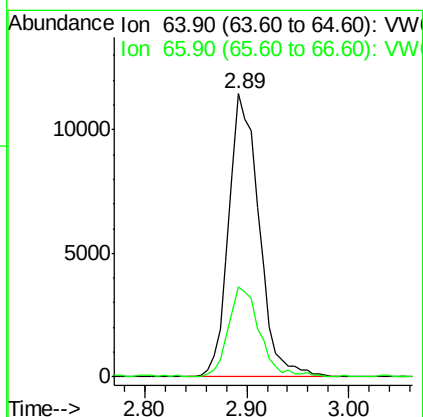
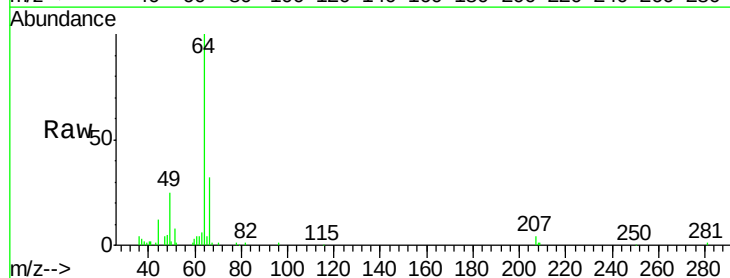
Acq: 29 Jan 2018 17:56

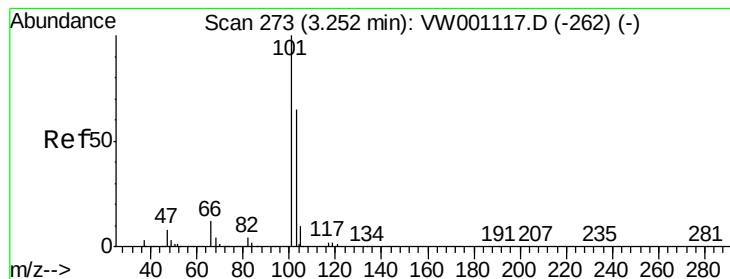
Tgt Ion: 64 Resp: 23593

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.8





#7

Trichlorofluoromethane

Concen: 21.01 ug/l

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

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ClientSampleId :

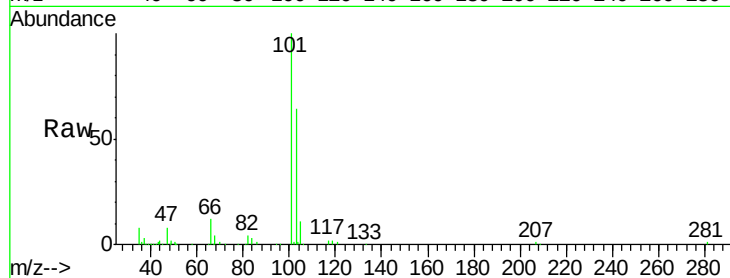
VW0129SBS01

Tgt Ion:101 Resp: 78052

Ion Ratio Lower Upper

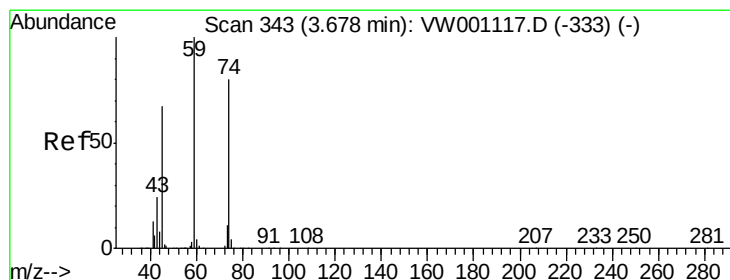
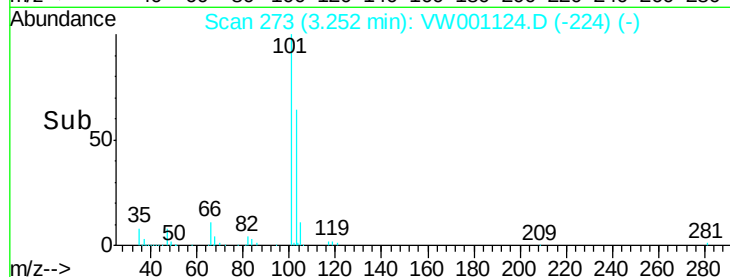
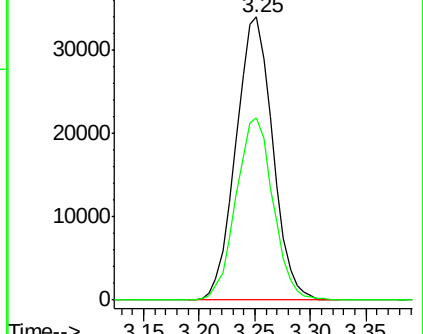
101 100

103 64.5 51.9 77.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.96 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.00 min

Lab File: VW001124.D

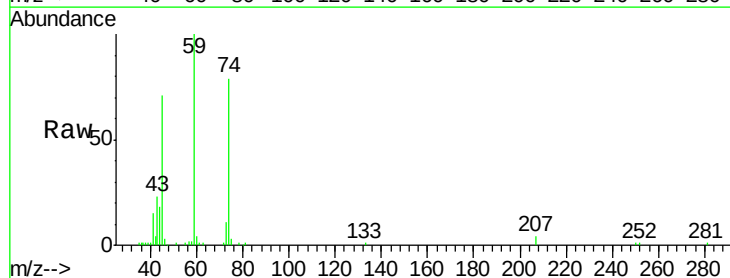
Acq: 29 Jan 2018 17:56

Tgt Ion: 74 Resp: 20268

Ion Ratio Lower Upper

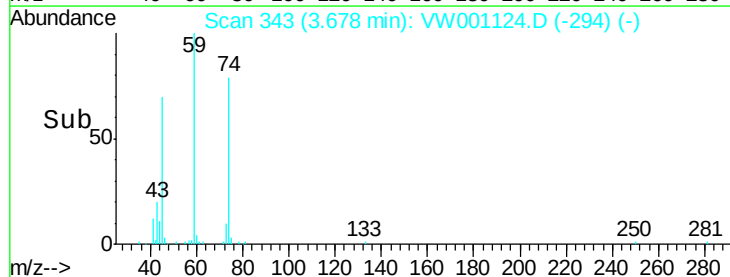
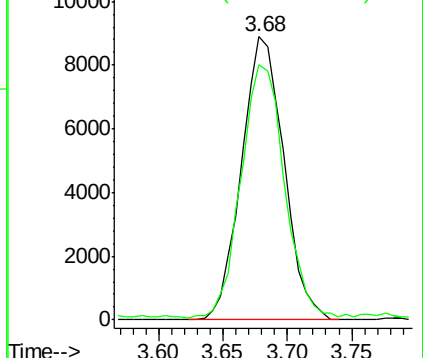
74 100

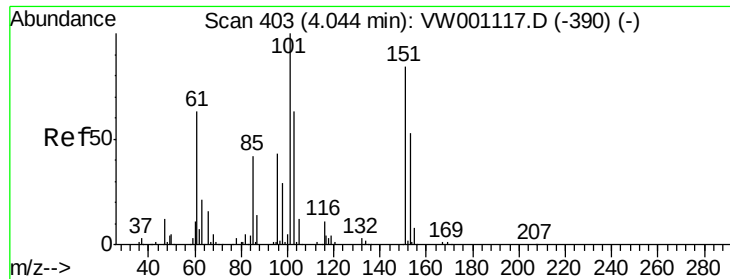
45 91.4 46.7 140.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 4.04 min Scan# 403

Delta R.T. 0.00 min

Lab File: VW001124.D

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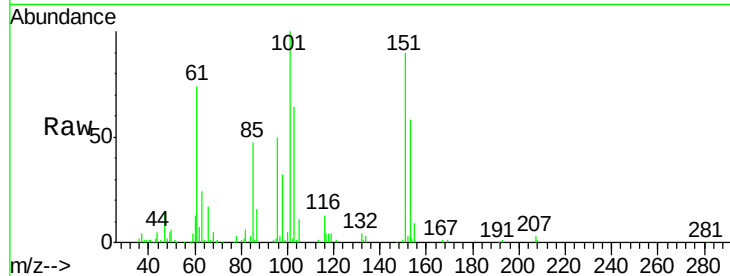
Tgt Ion:101 Resp: 47614

Ion Ratio Lower Upper

101 100

85 42.9 34.9 52.3

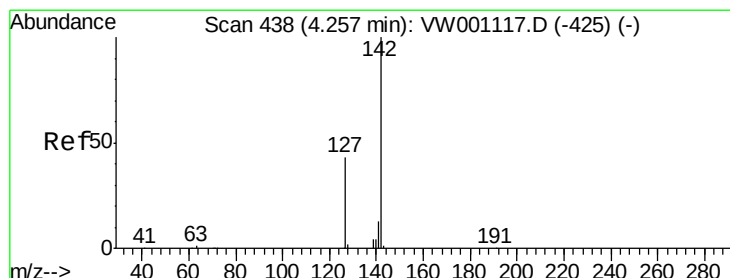
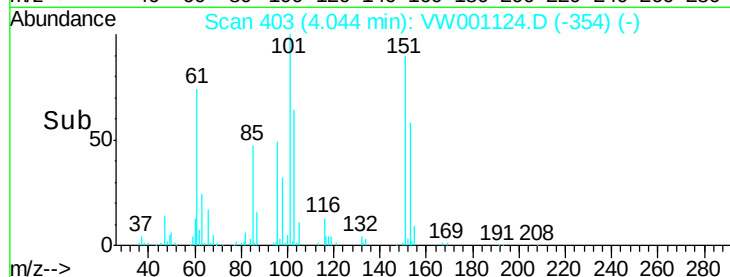
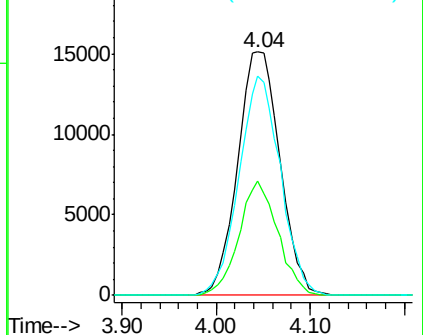
151 88.0 68.6 103.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.32 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

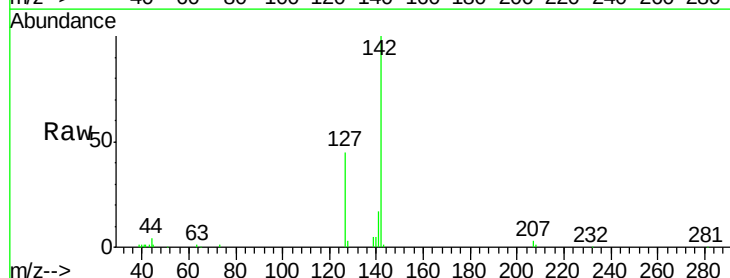
Tgt Ion:142 Resp: 47819

Ion Ratio Lower Upper

142 100

127 45.3 35.4 53.2

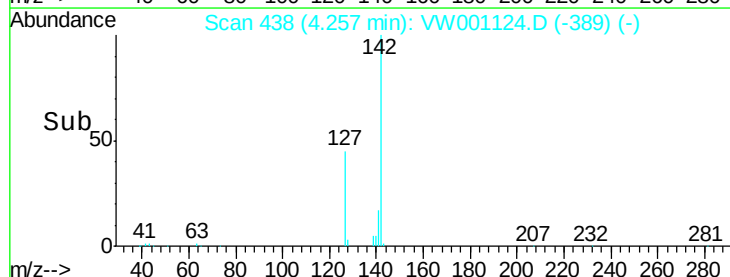
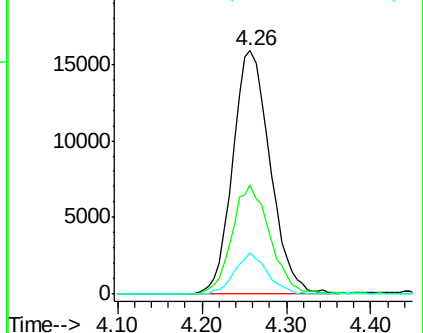
141 14.7 11.6 17.4

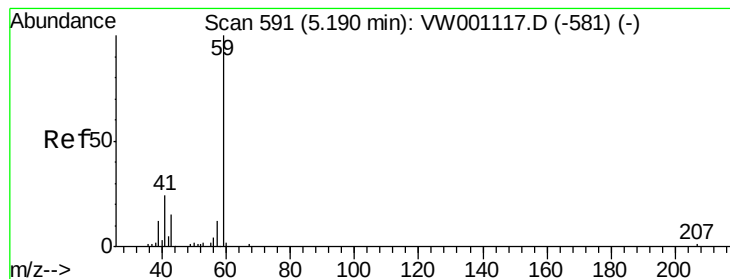


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



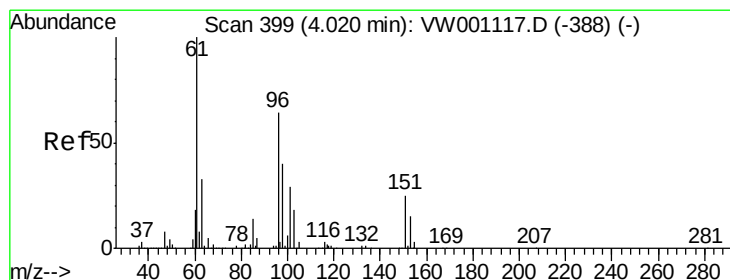
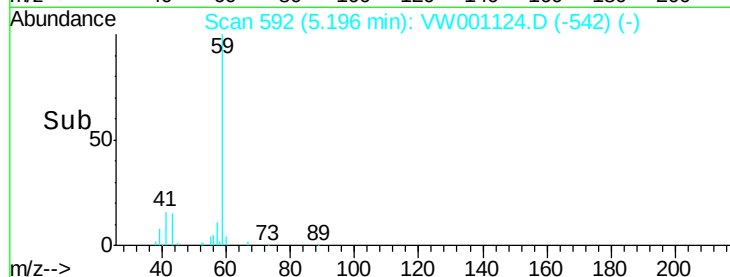
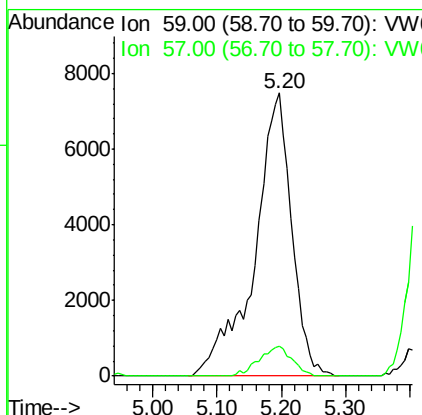
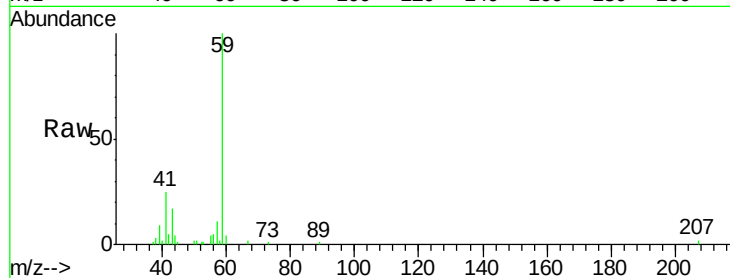


#11

Tert butyl alcohol
 Concen: 141.70 ug/l
 RT: 5.20 min Scan# 592
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

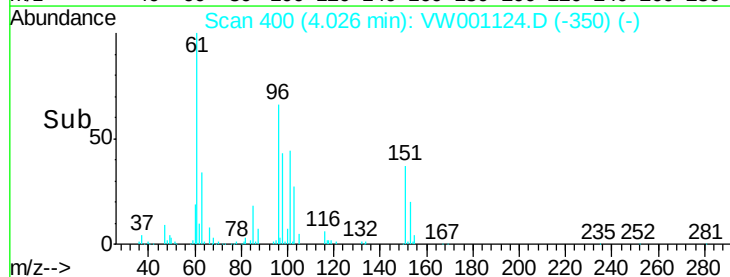
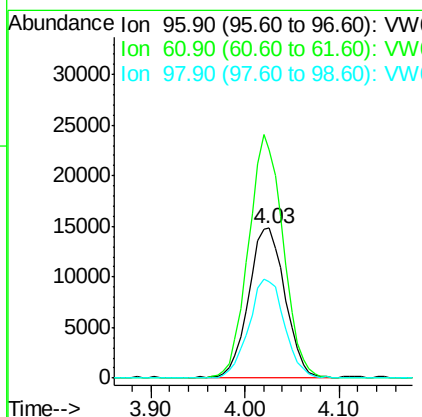
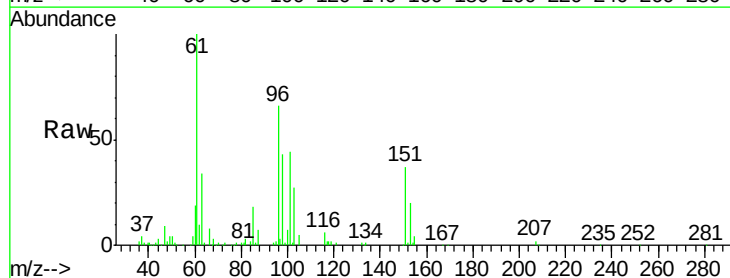
Tgt Ion: 59 Resp: 30026
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.8 11.8

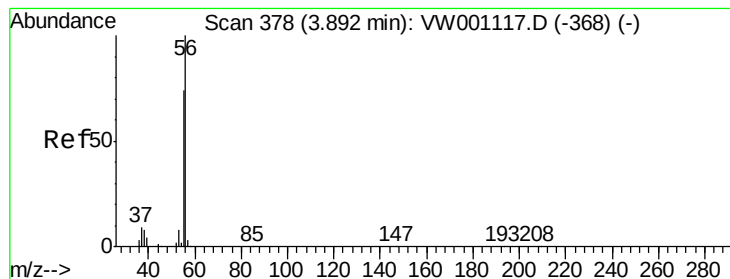


#12

1,1-Dichloroethene
 Concen: 18.67 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 96 Resp: 40310
 Ion Ratio Lower Upper
 96 100
 61 151.8 125.2 187.8
 98 64.6 50.3 75.5





#13

Acrolein

Concen: 91.86 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

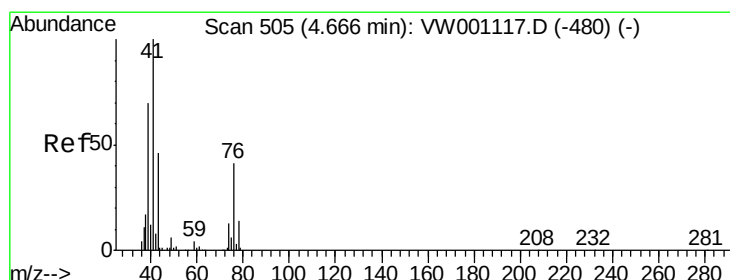
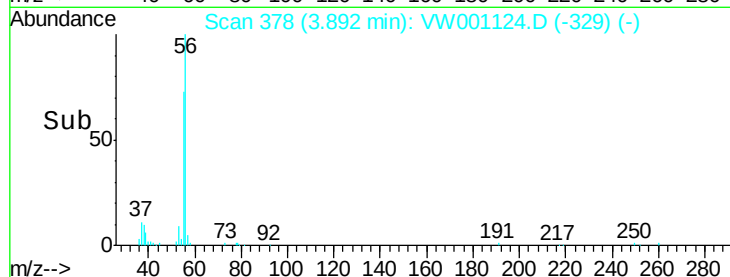
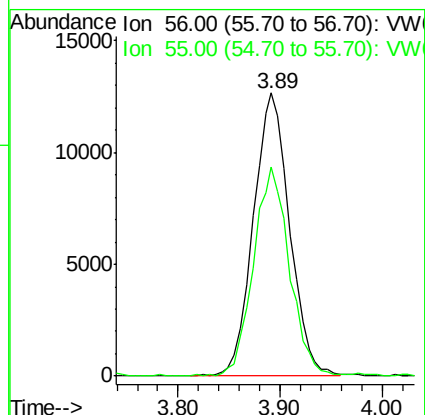
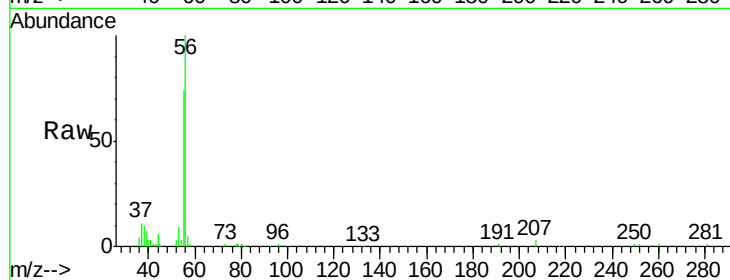
VW0129SBS01

Tgt Ion: 56 Resp: 31262

Ion Ratio Lower Upper

56 100

55 73.6 58.2 87.4



#14

Allyl chloride

Concen: 20.42 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

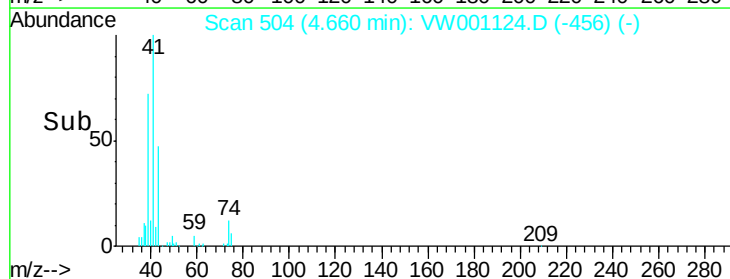
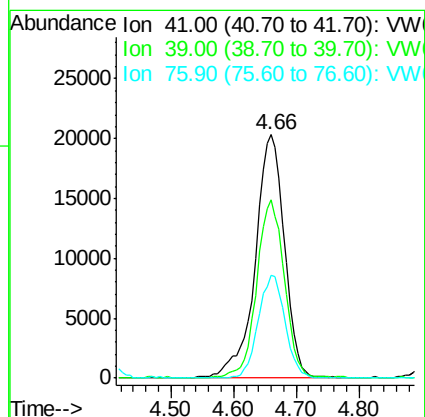
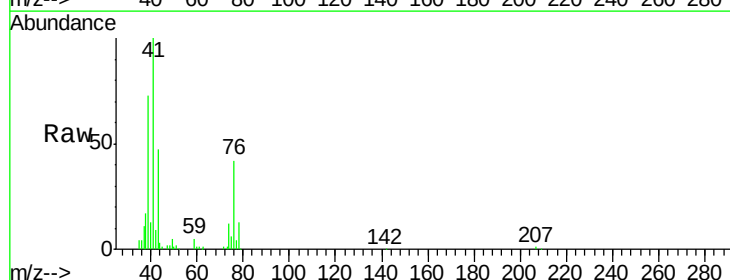
Tgt Ion: 41 Resp: 65876

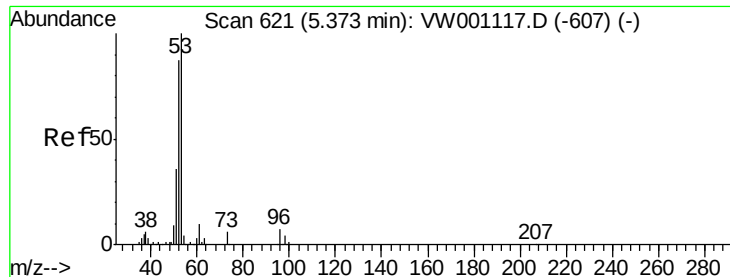
Ion Ratio Lower Upper

41 100

39 69.4 55.9 83.9

76 38.2 31.0 46.6





#15

Acrylonitrile

Concen: 114.70 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

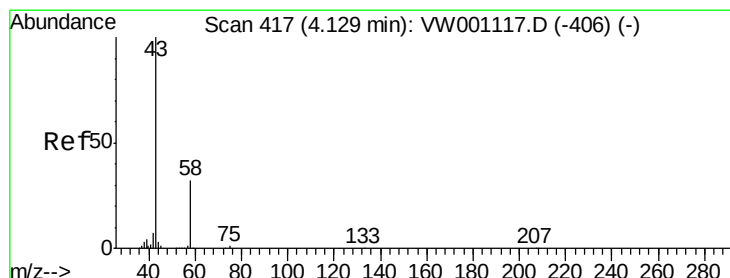
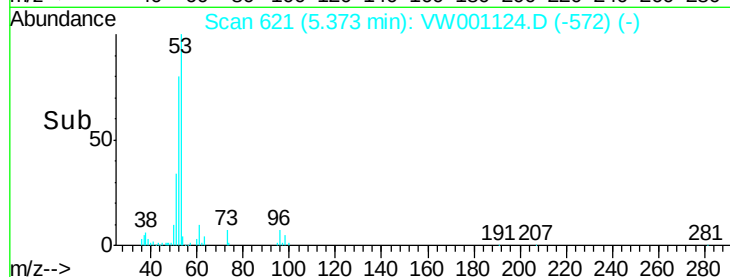
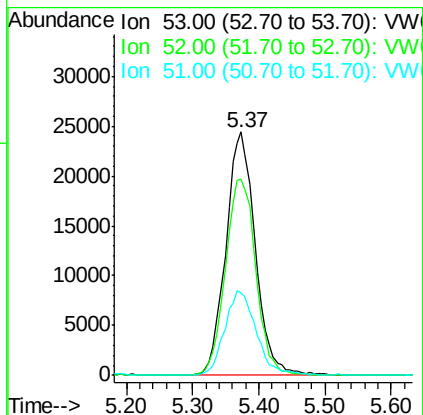
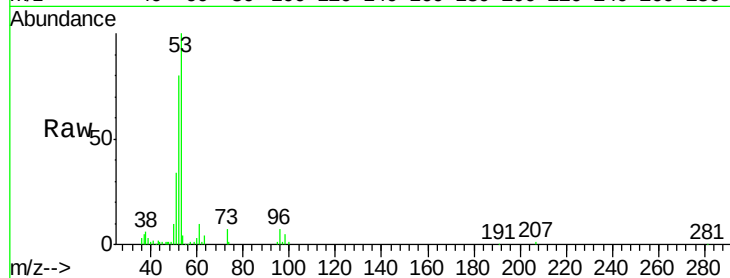
Tgt Ion: 53 Resp: 75283

Ion Ratio Lower Upper

53 100

52 83.2 66.9 100.3

51 37.4 29.5 44.3



#16

Acetone

Concen: 108.68 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.01 min

Lab File: VW001124.D

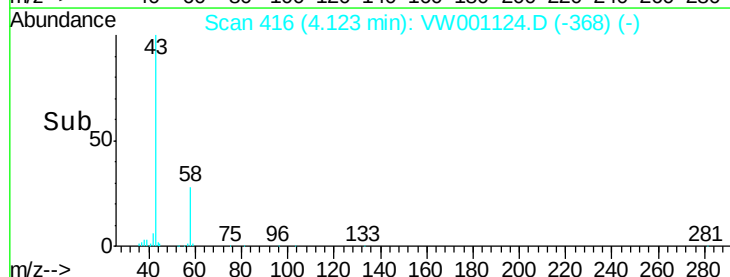
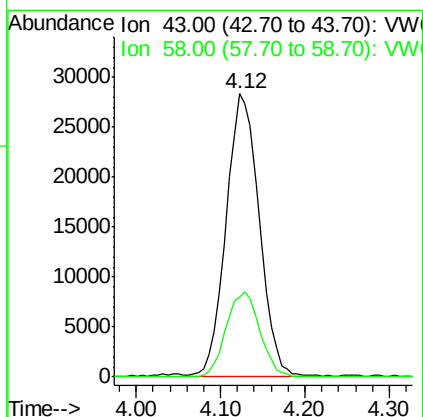
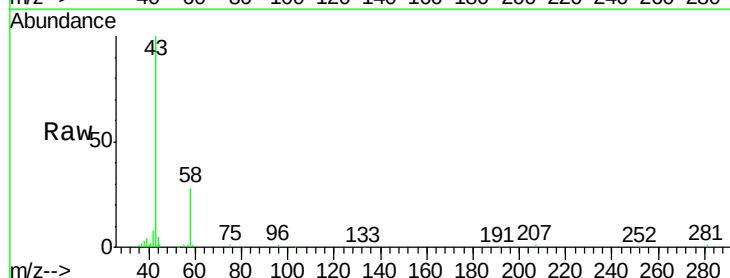
Acq: 29 Jan 2018 17:56

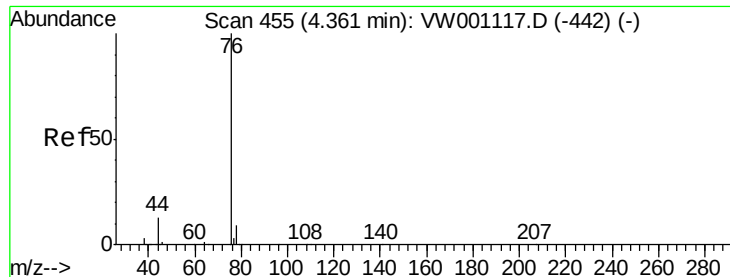
Tgt Ion: 43 Resp: 75361

Ion Ratio Lower Upper

43 100

58 28.3 25.7 38.5





#17

Carbon Disulfide

Concen: 19.54 ug/l

RT: 4.36 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampled :

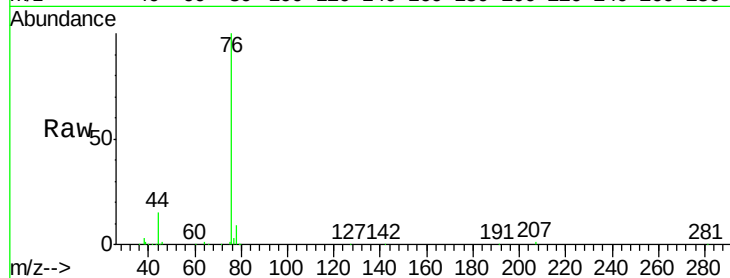
VW0129SBS01

Tgt Ion: 76 Resp: 131021

Ion Ratio Lower Upper

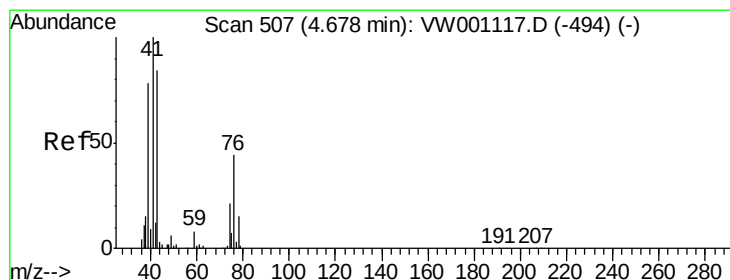
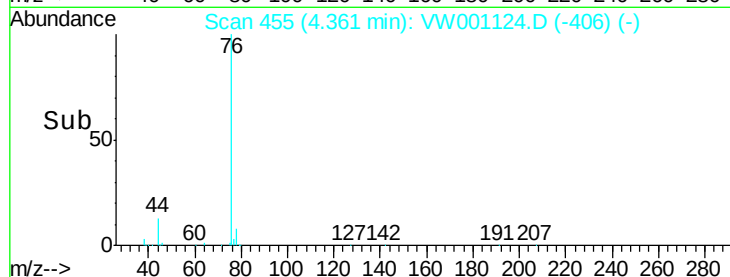
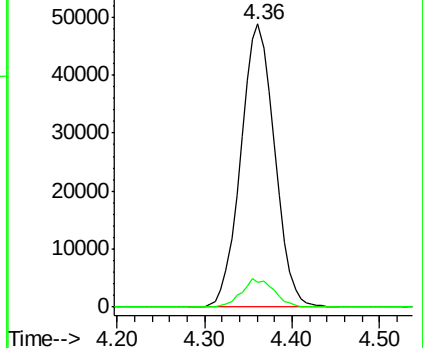
76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.75 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW001124.D

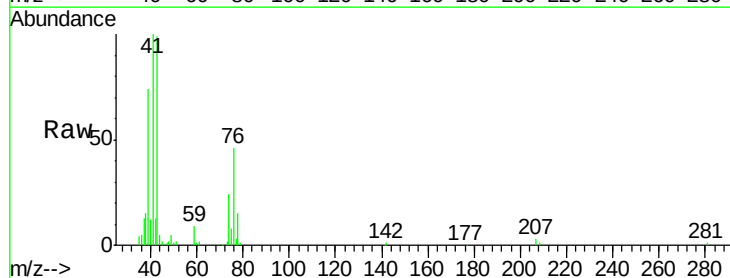
Acq: 29 Jan 2018 17:56

Tgt Ion: 43 Resp: 37242

Ion Ratio Lower Upper

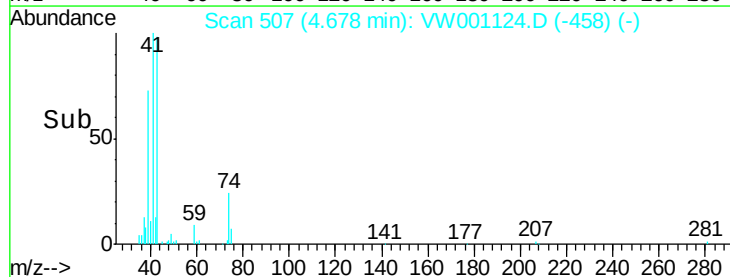
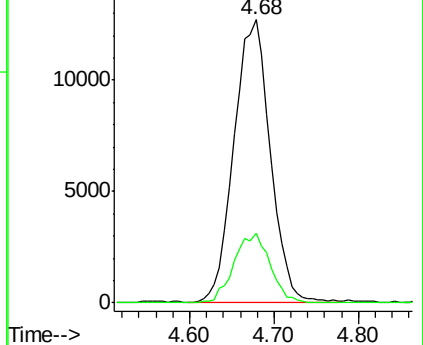
43 100

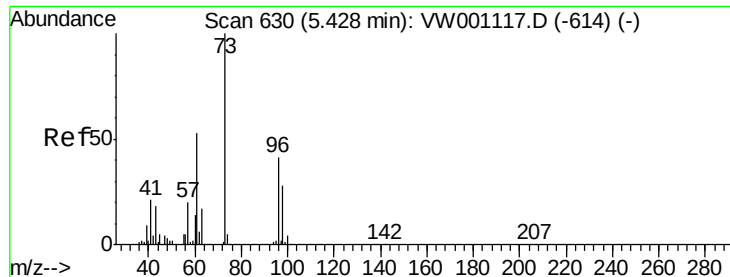
74 24.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

Methyl tert-butyl Ether

Concen: 20.59 ug/l

RT: 5.43 min Scan# 630

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

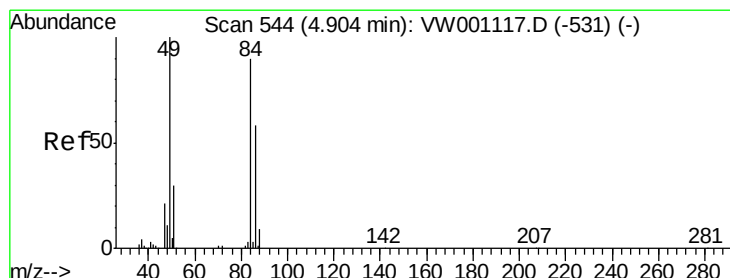
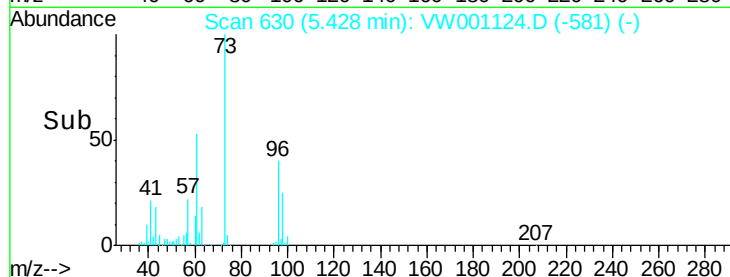
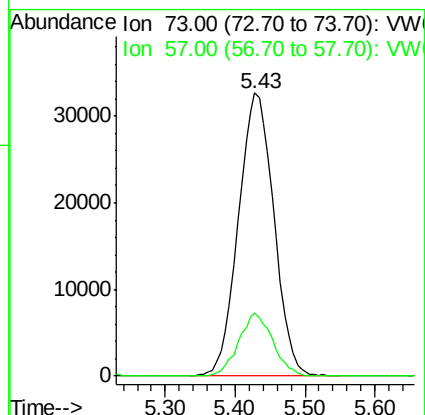
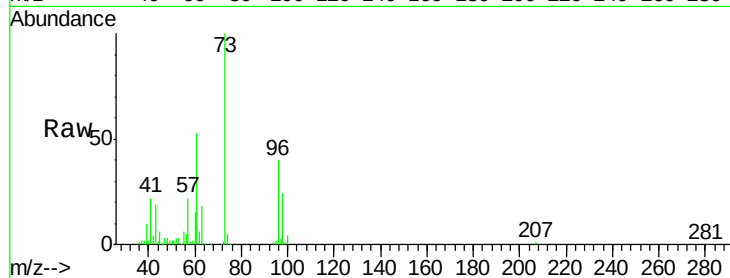
VW0129SBS01

Tgt Ion: 73 Resp: 115047

Ion Ratio Lower Upper

73 100

57 22.4 16.1 24.1



#20

Methylene Chloride

Concen: 20.84 ug/l

RT: 4.90 min Scan# 544

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Tgt Ion: 84 Resp: 51068

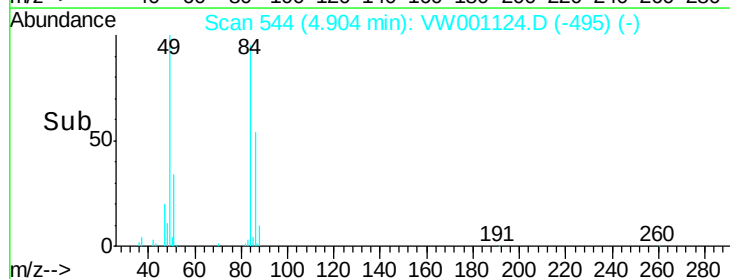
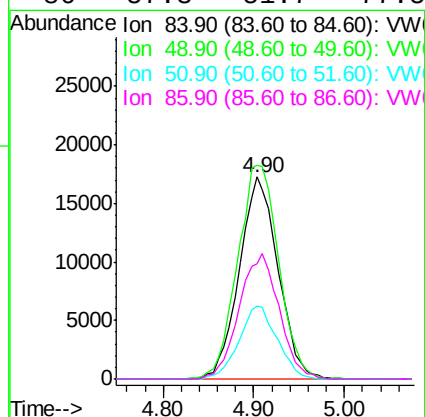
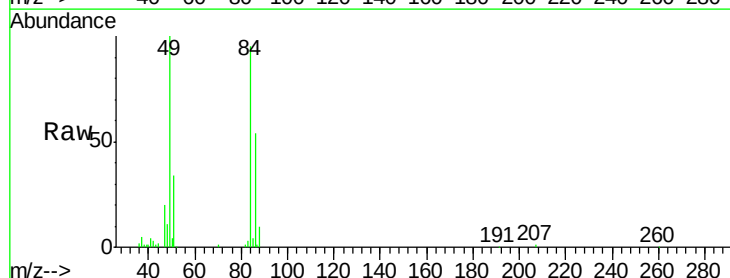
Ion Ratio Lower Upper

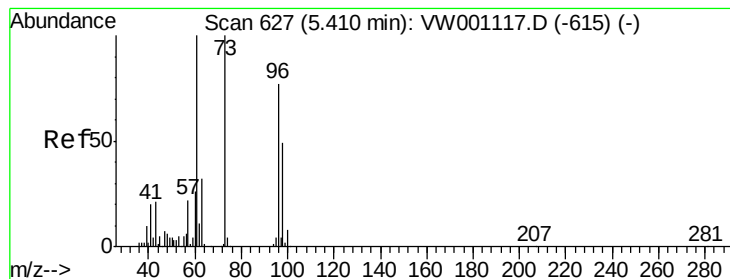
84 100

49 105.4 89.2 133.8

51 35.9 26.7 40.1

86 57.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.20 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

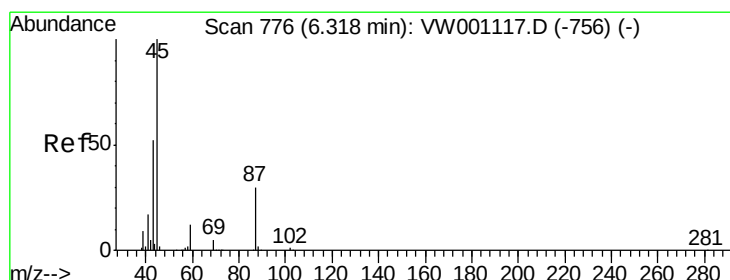
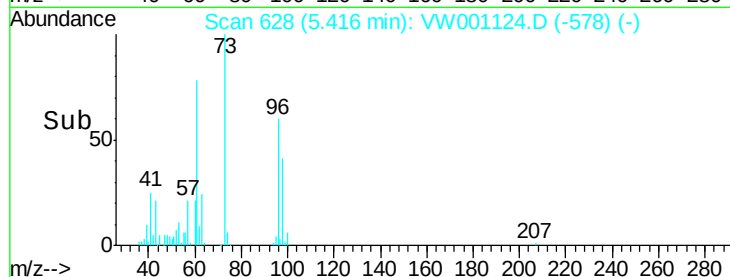
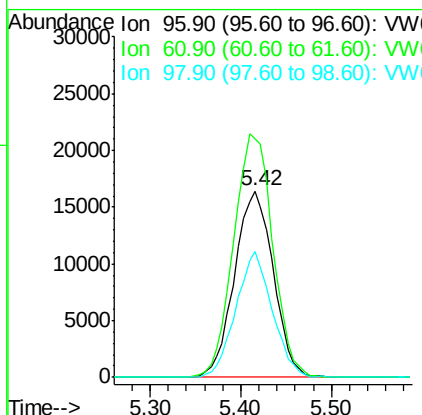
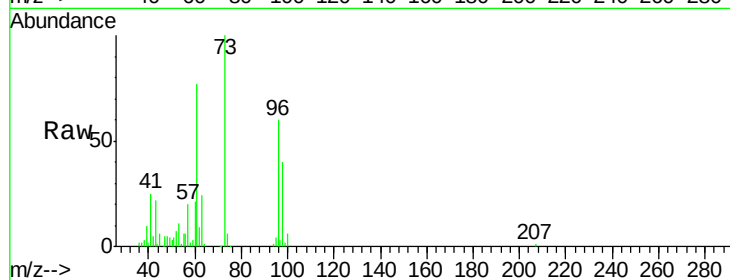
Tgt Ion: 96 Resp: 48709

Ion Ratio Lower Upper

96 100

61 128.3 104.6 156.8

98 67.3 50.8 76.2



#22

Diisopropyl ether

Concen: 20.77 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Tgt Ion: 45 Resp: 128384

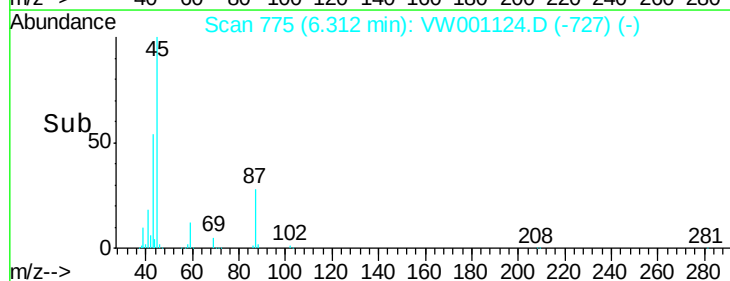
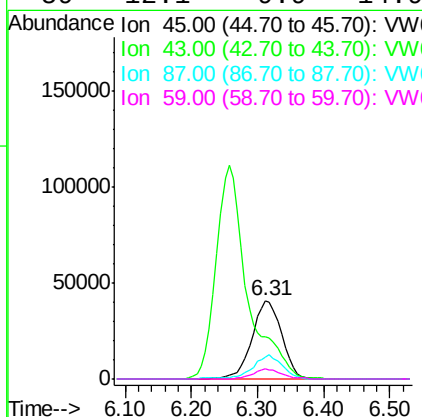
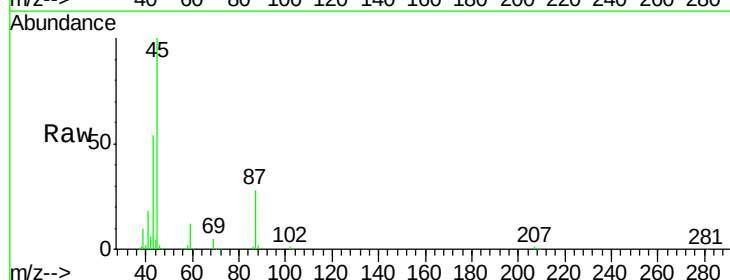
Ion Ratio Lower Upper

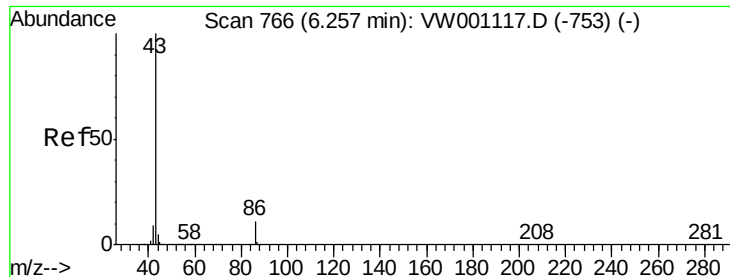
45 100

43 53.4 41.6 62.4

87 28.5 24.5 36.7

59 12.1 9.9 14.9





#23

Vinyl Acetate

Concen: 98.58 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

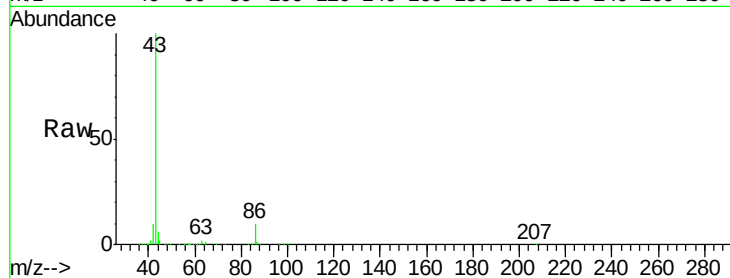
VW0129SBS01

Tgt Ion: 43 Resp: 364988

Ion Ratio Lower Upper

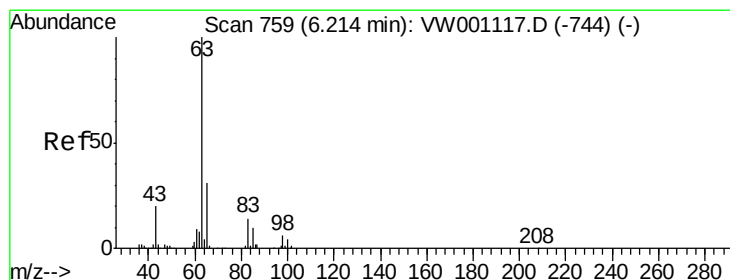
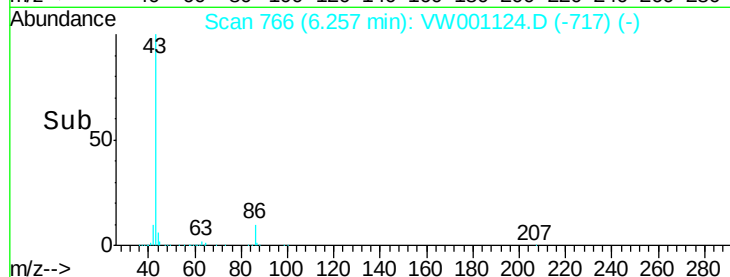
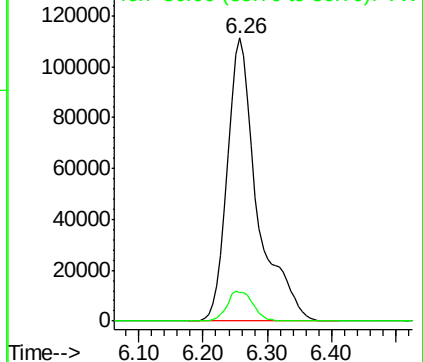
43 100

86 10.3 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.23 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

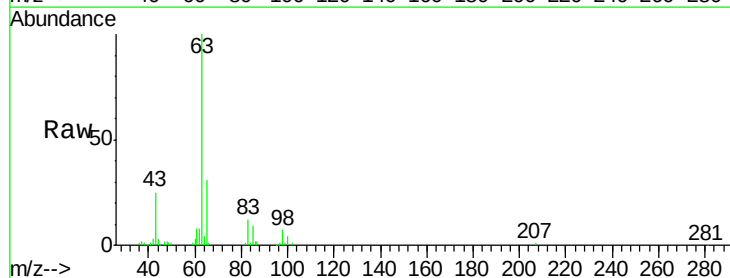
Tgt Ion: 63 Resp: 81595

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.2

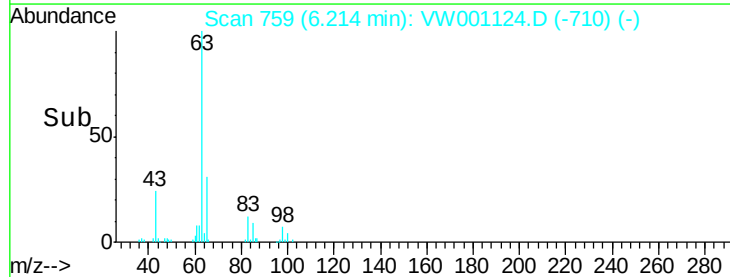
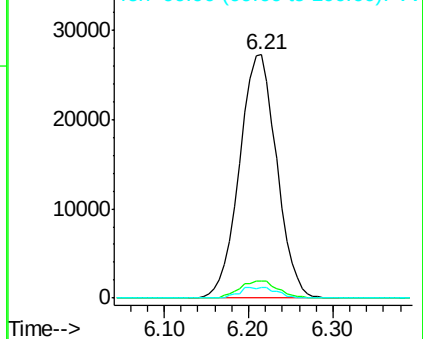
100 4.5 2.1 6.3

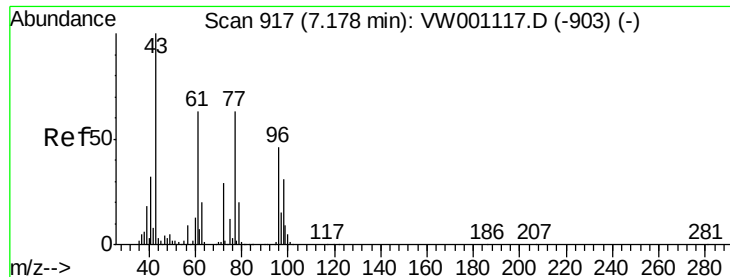


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 113.88 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

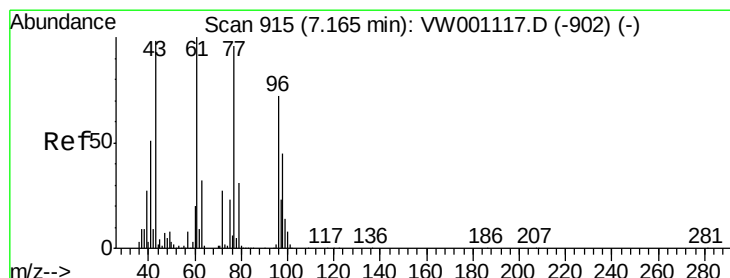
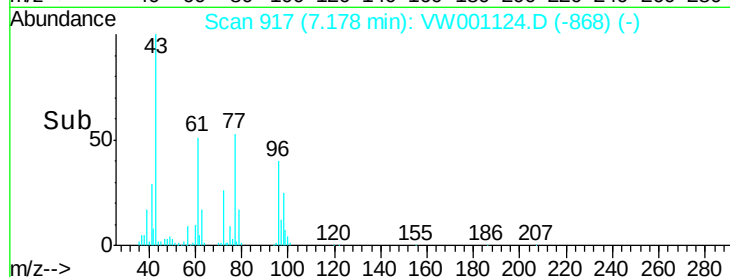
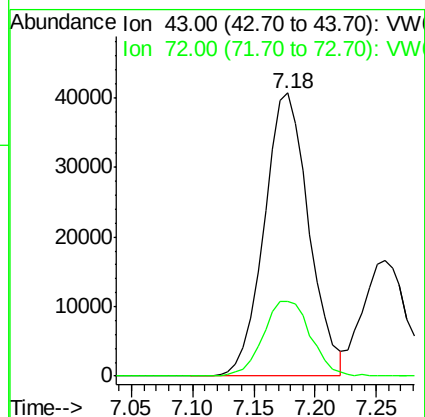
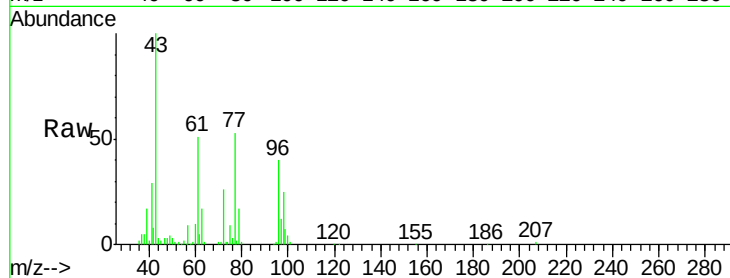
VW0129SBS01

Tgt Ion: 43 Resp: 103653

Ion Ratio Lower Upper

43 100

72 26.3 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.99 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW001124.D

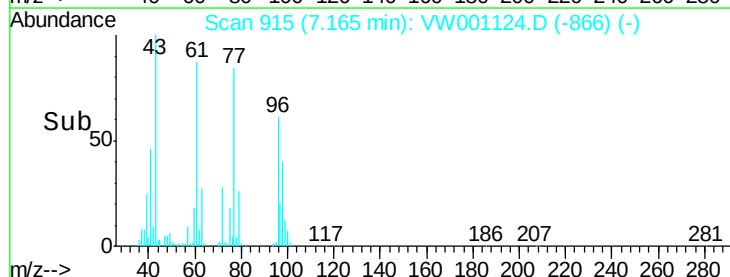
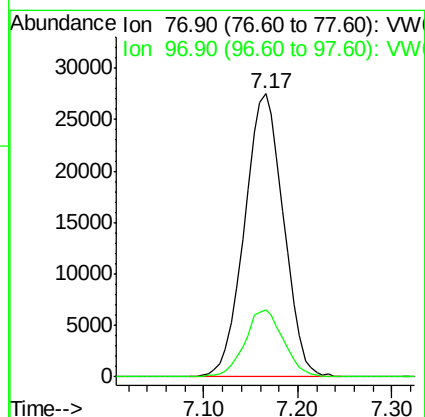
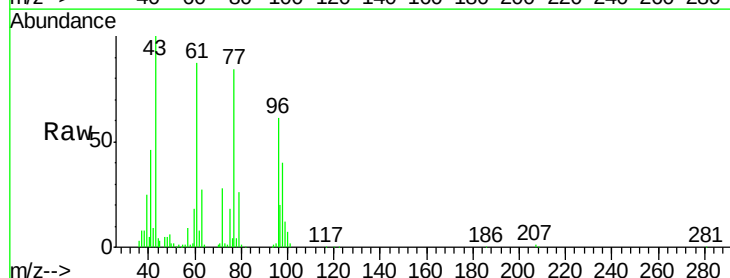
Acq: 29 Jan 2018 17:56

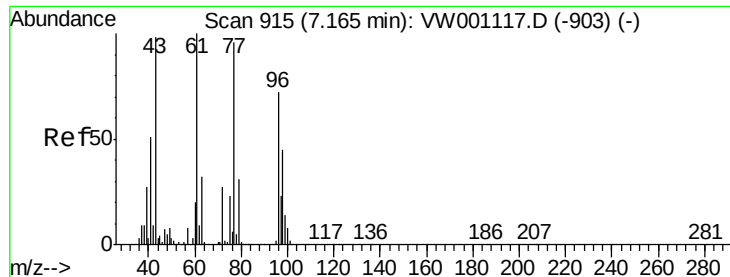
Tgt Ion: 77 Resp: 79745

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 20.12 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

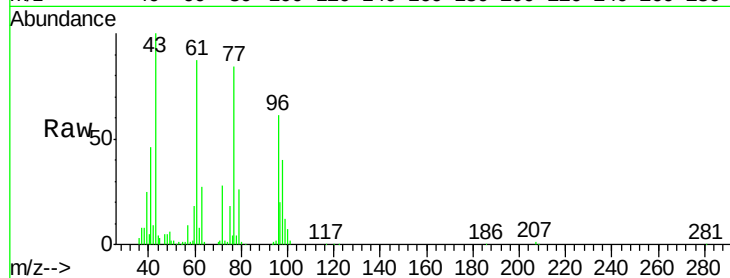
Tgt Ion: 96 Resp: 51737

Ion Ratio Lower Upper

96 100

61 141.4 0.0 280.4

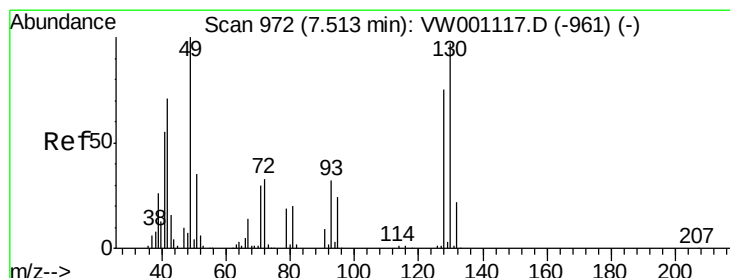
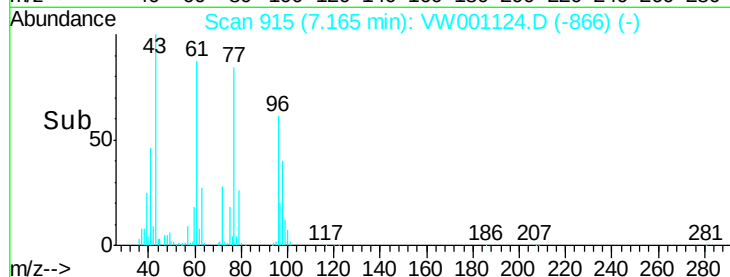
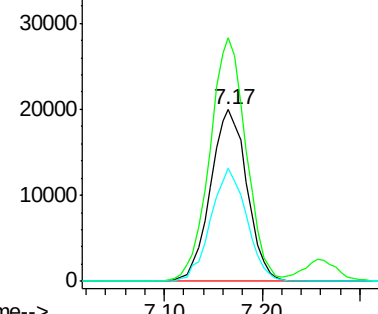
98 64.8 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 20.28 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

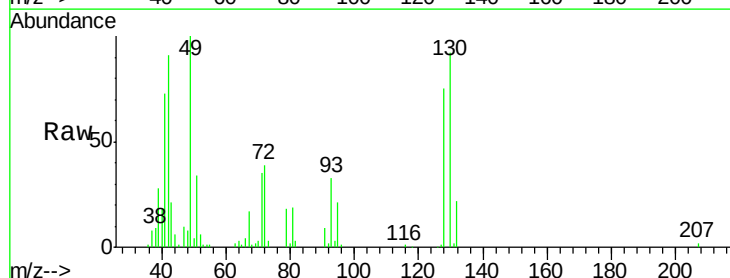
Tgt Ion: 49 Resp: 33236

Ion Ratio Lower Upper

49 100

129 1.2 0.0 2.6

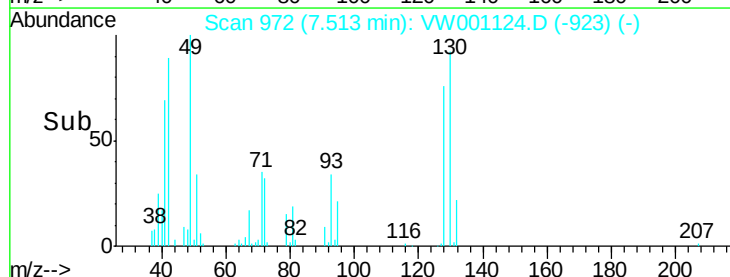
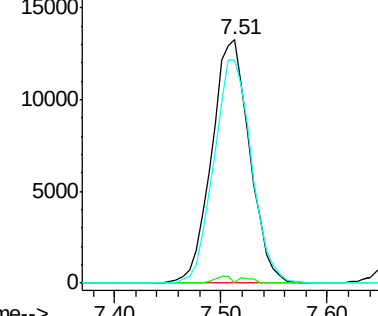
130 91.0 75.5 113.3

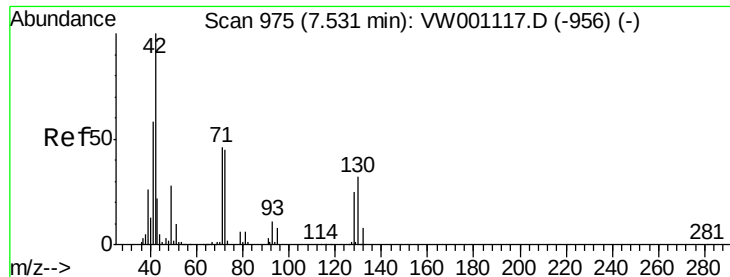


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 116.04 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

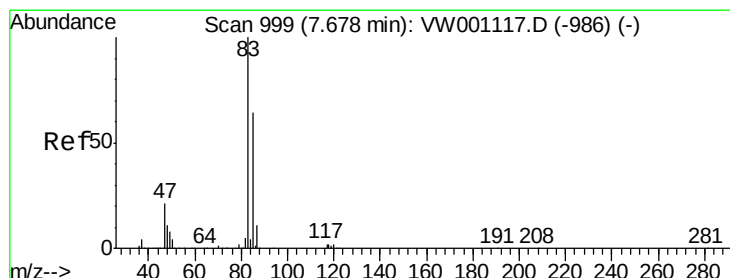
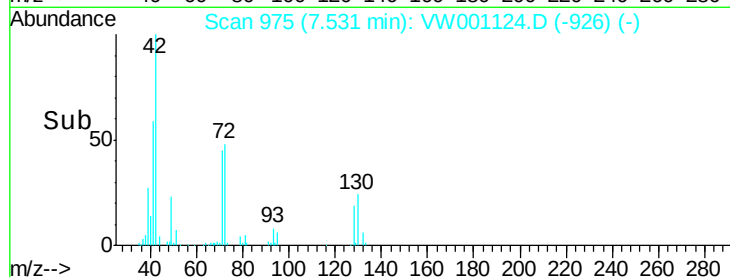
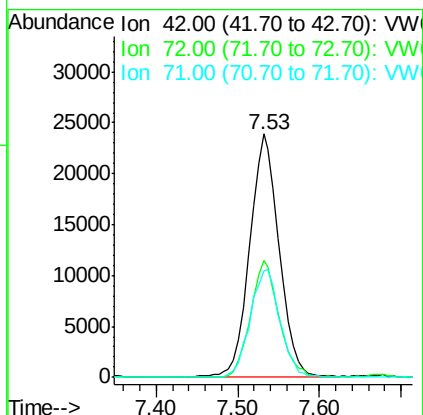
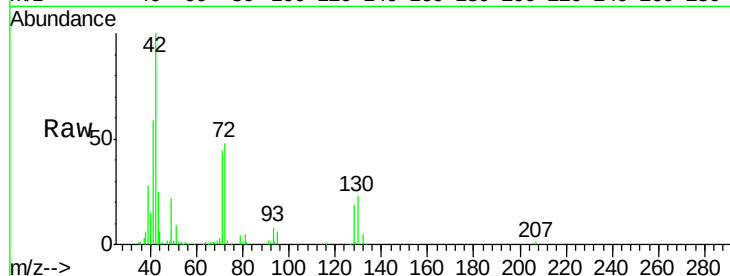
Tgt Ion: 42 Resp: 60319

Ion Ratio Lower Upper

42 100

72 46.5 36.8 55.2

71 44.8 35.1 52.7



#30

Chloroform

Concen: 20.22 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW001124.D

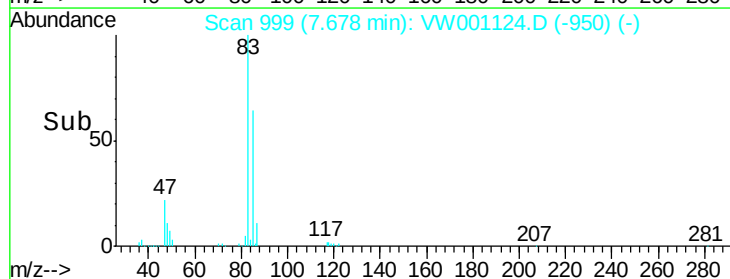
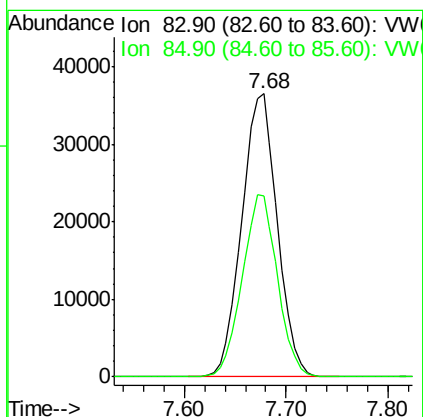
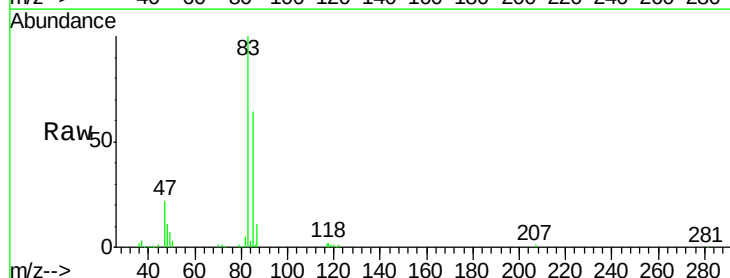
Acq: 29 Jan 2018 17:56

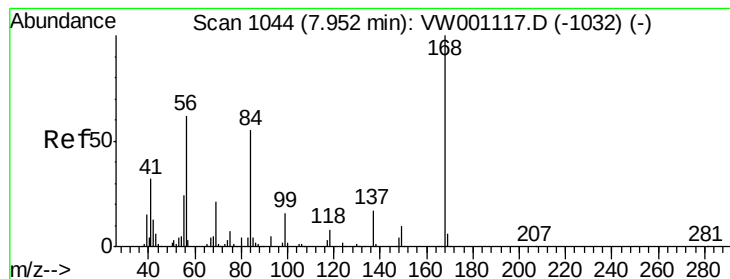
Tgt Ion: 83 Resp: 88349

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.2





#31

Cyclohexane

Concen: 20.01 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

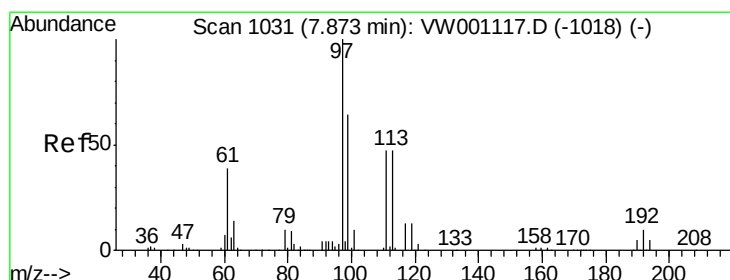
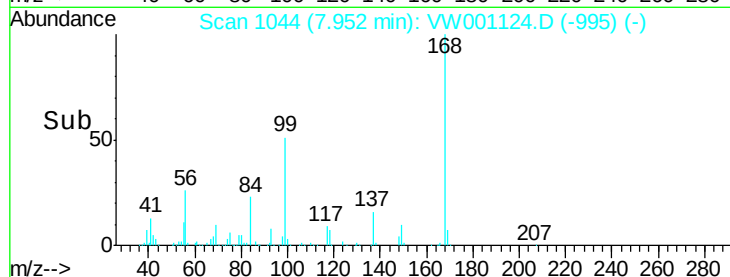
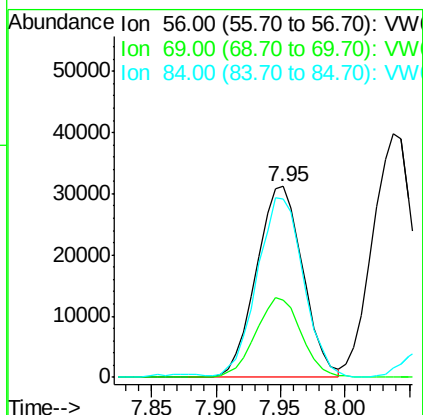
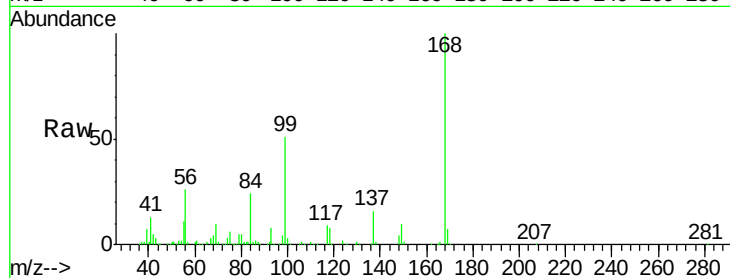
Tgt Ion: 56 Resp: 78295

Ion Ratio Lower Upper

56 100

69 40.7 27.4 41.0

84 91.7 71.1 106.7



#32

1,1,1-Trichloroethane

Concen: 20.56 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

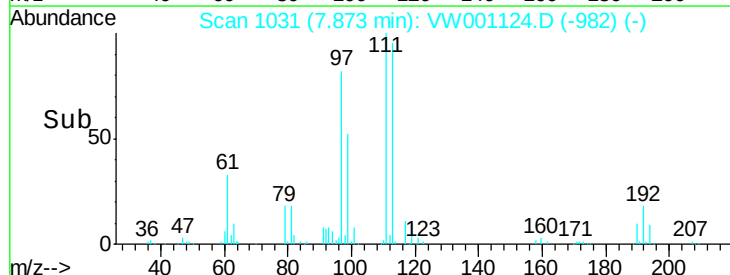
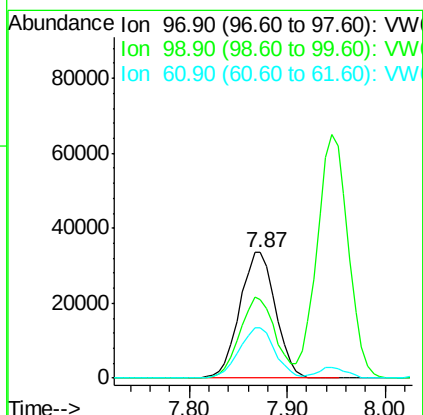
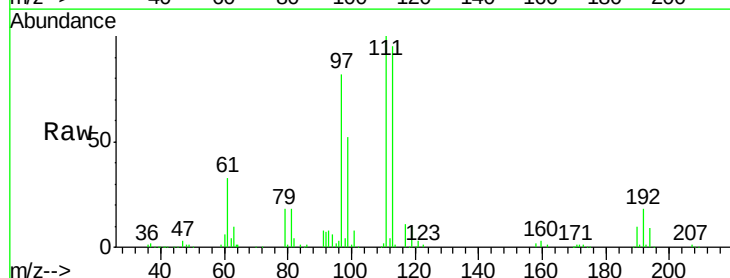
Tgt Ion: 97 Resp: 85025

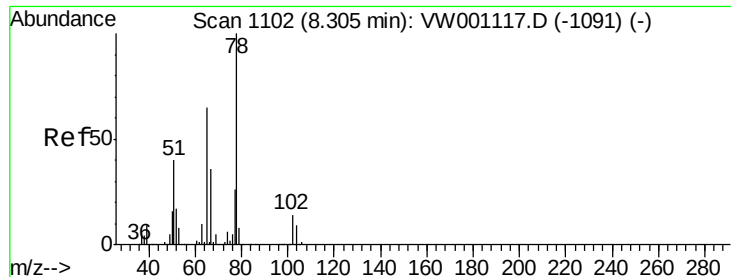
Ion Ratio Lower Upper

97 100

99 65.2 51.4 77.2

61 40.1 32.4 48.6

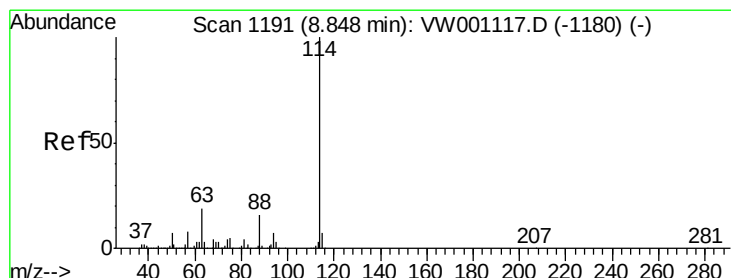
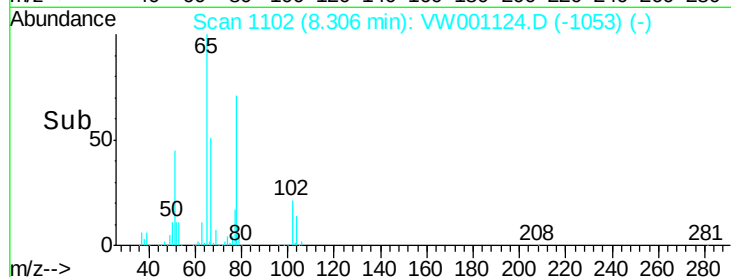
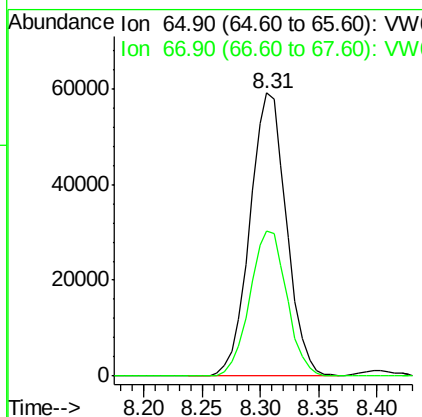
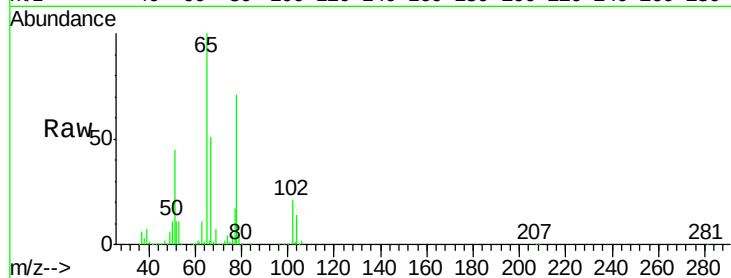




#33
 1,2-Dichloroethane-d4
 Concen: 48.98 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

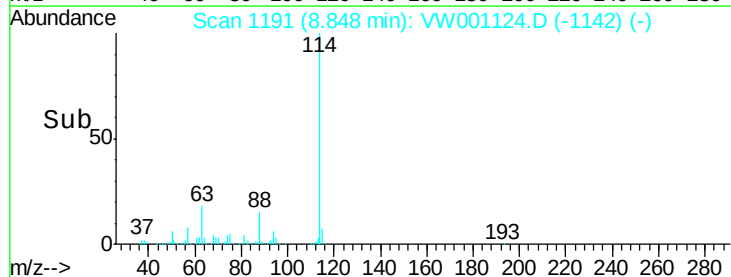
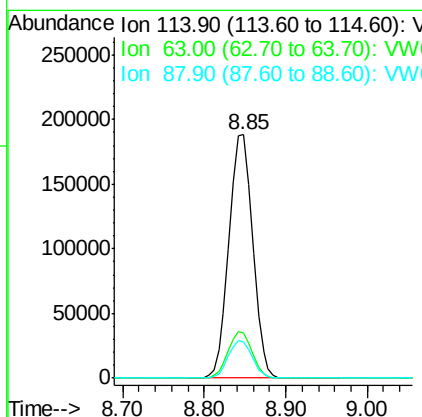
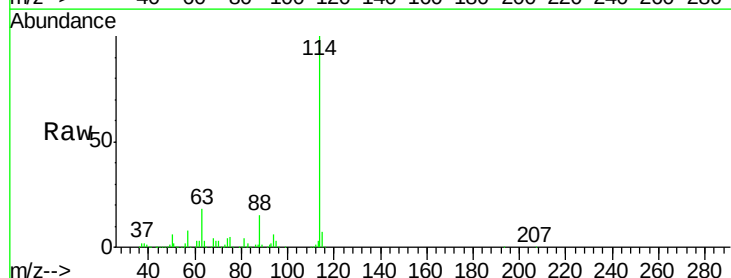
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

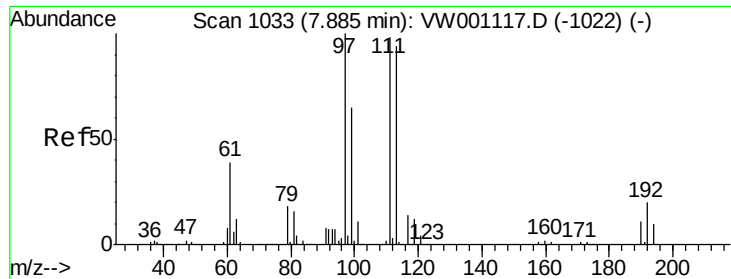
Tgt Ion: 65 Resp: 129166
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 114 Resp: 378202
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.2
 88 14.7 0.0 31.0

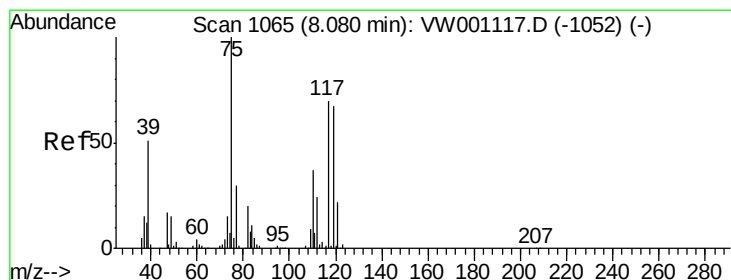
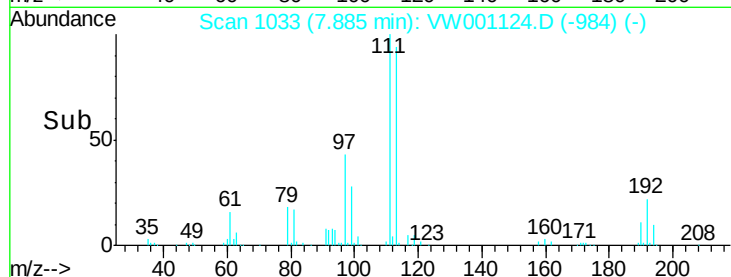
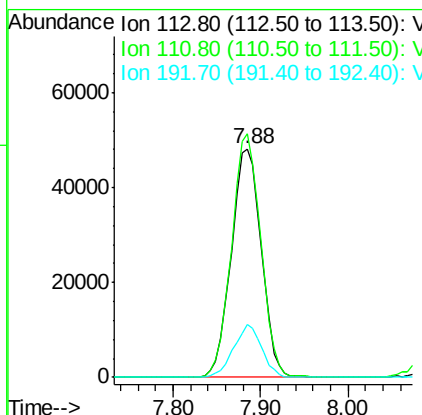
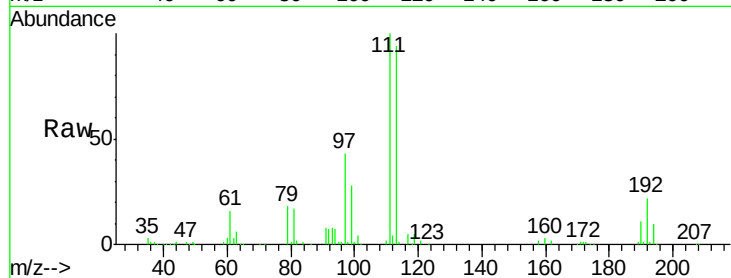




#35
 Dibromofluoromethane
 Concen: 47.64 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

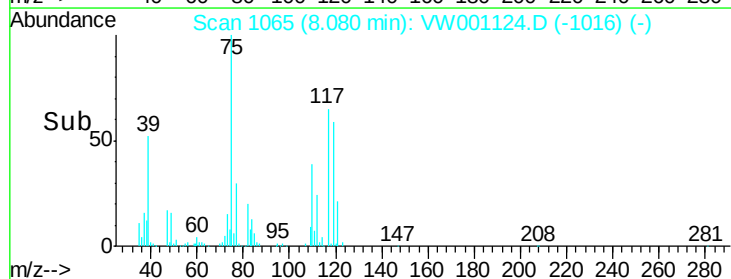
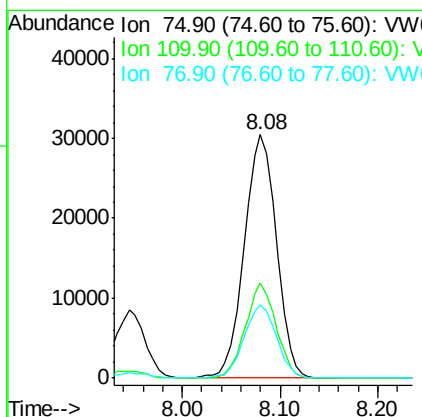
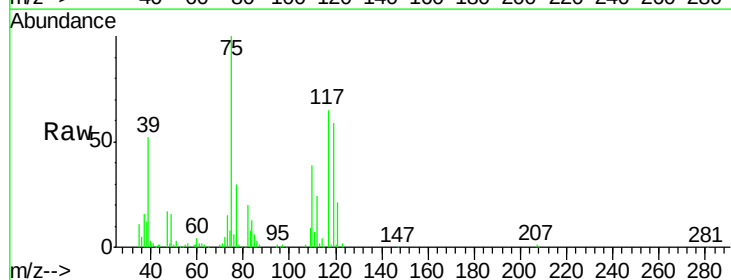
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

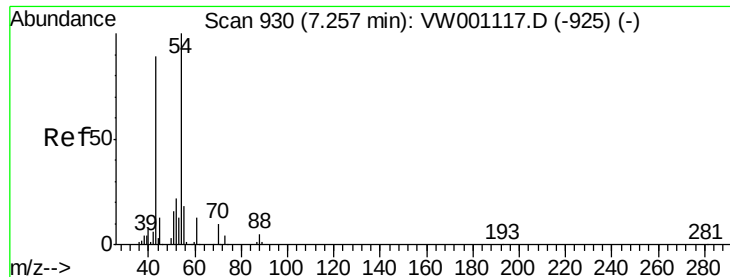
Tgt Ion: 113 Resp: 115242
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.1 124.7
 192 21.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 20.36 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 75 Resp: 69514
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.7 56.1
 77 30.6 24.6 37.0

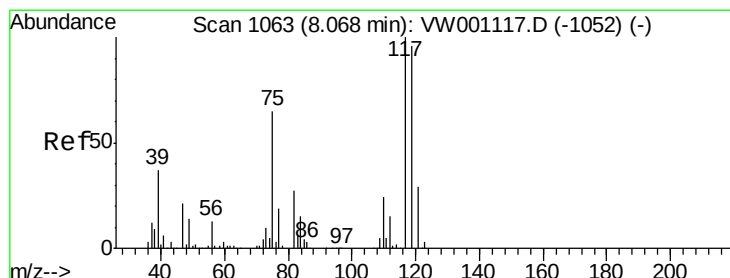
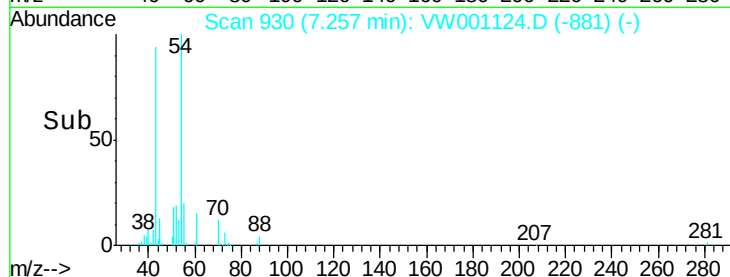
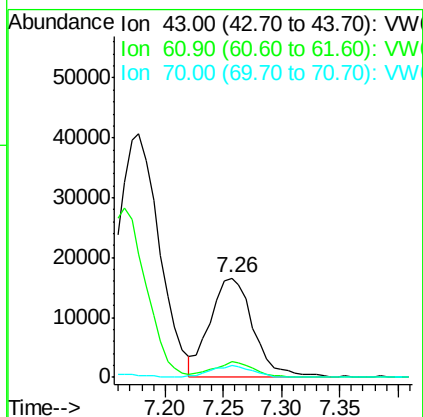
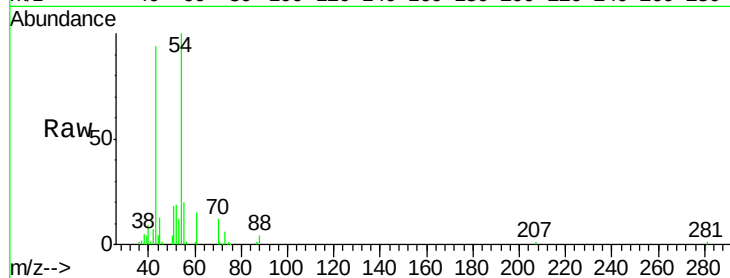




#37
 Ethyl Acetate
 Concen: 23.39 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

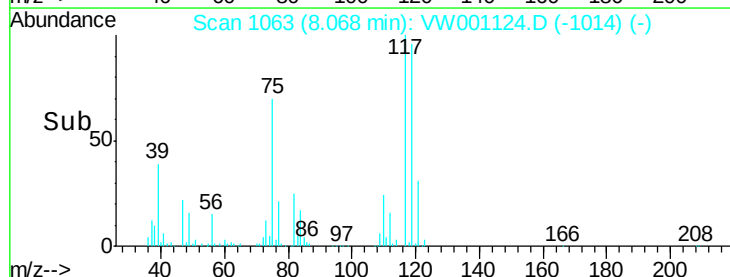
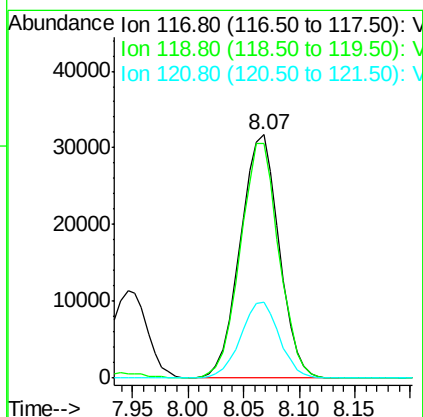
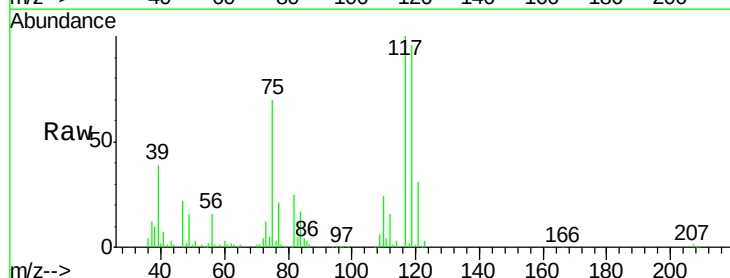
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

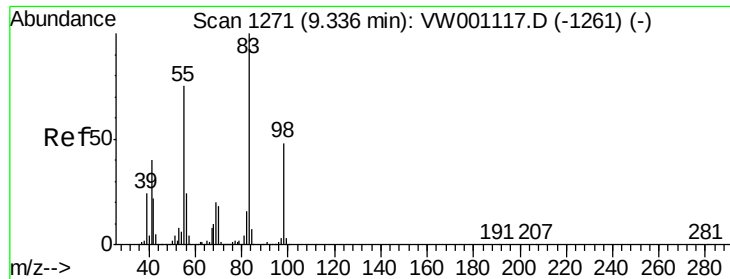
Tgt Ion: 43 Resp: 42230
 Ion Ratio Lower Upper
 43 100
 61 14.7 11.9 17.9
 70 11.6 9.4 14.0



#38
 Carbon Tetrachloride
 Concen: 20.08 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 117 Resp: 76569
 Ion Ratio Lower Upper
 117 100
 119 96.4 77.0 115.4
 121 31.1 23.5 35.3

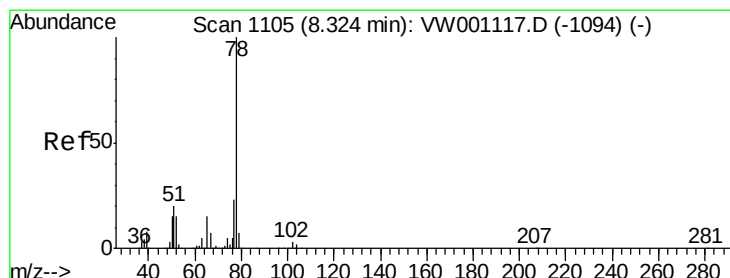
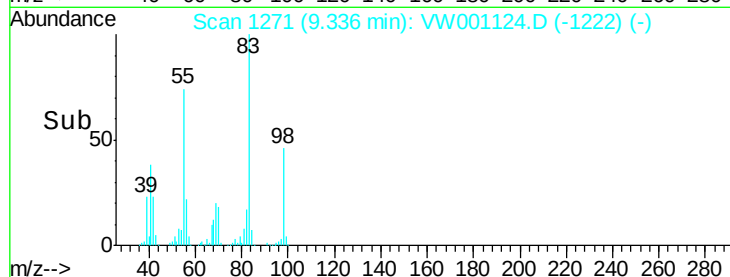
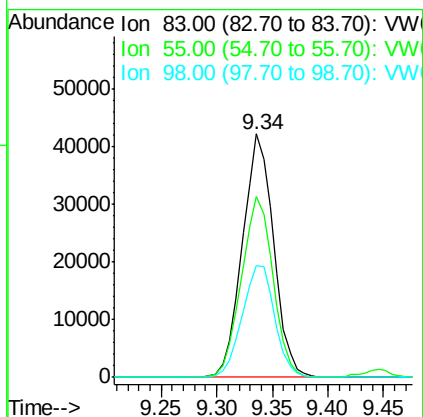
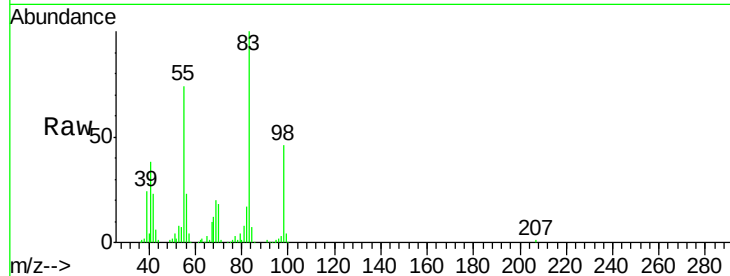




#39
Methylcyclohexane
Concen: 20.40 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

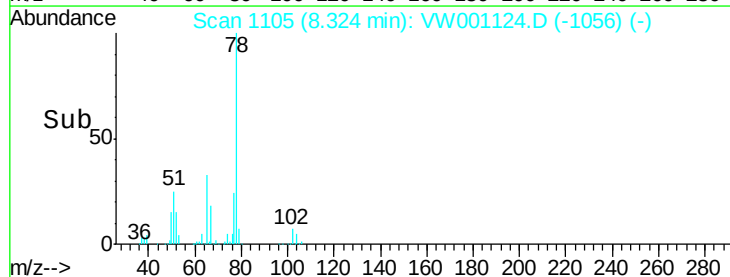
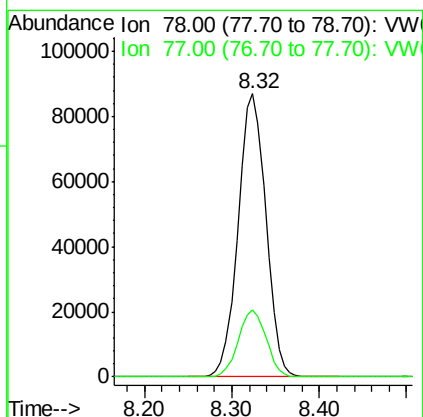
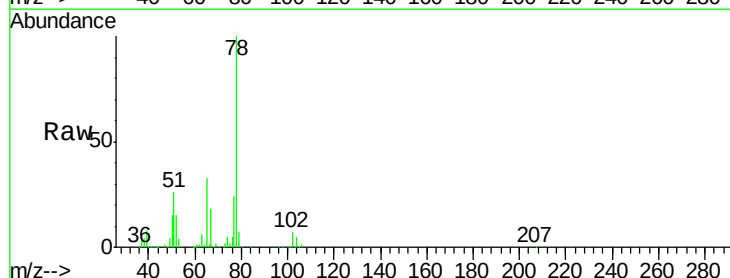
Instrument :
MSVOA_W
ClientSampled :
VW0129SBS01

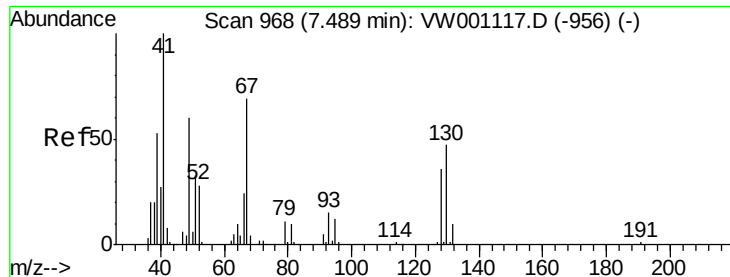
Tgt Ion: 83 Resp: 82236
Ion Ratio Lower Upper
83 100
55 74.2 59.7 89.5
98 45.7 38.0 57.0



#40
Benzene
Concen: 20.28 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion: 78 Resp: 191684
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0

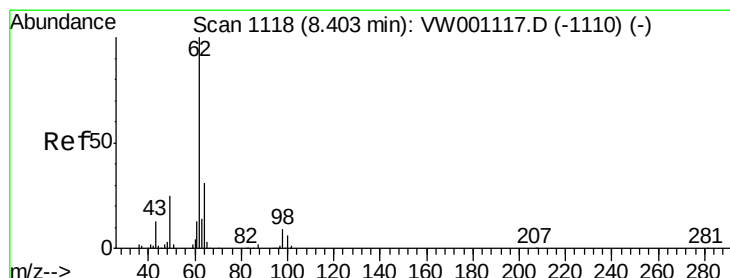
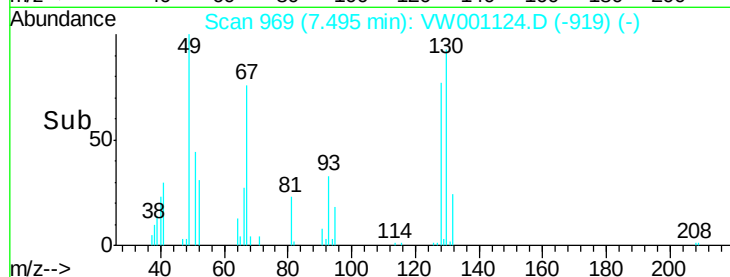
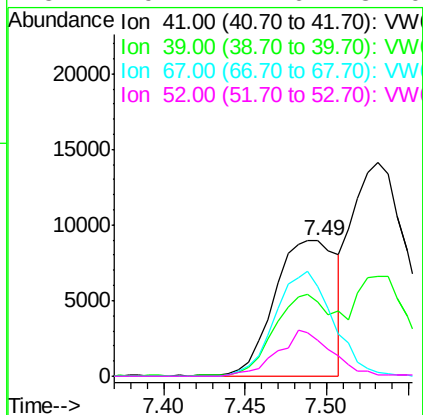
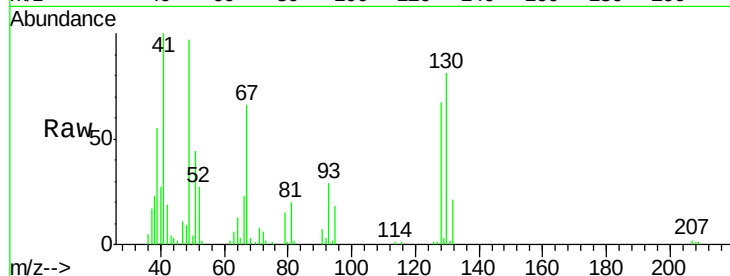




#41
Methacrylonitrile
Concen: 23.80 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

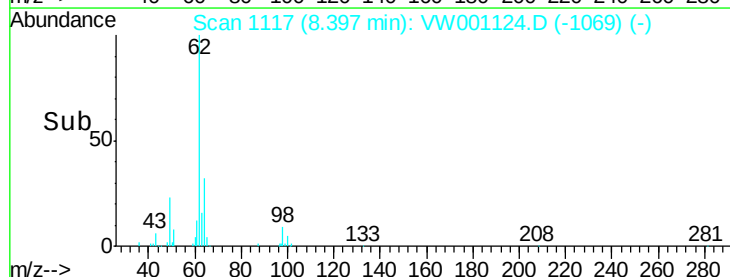
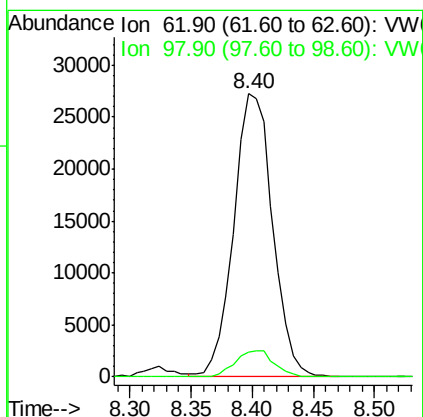
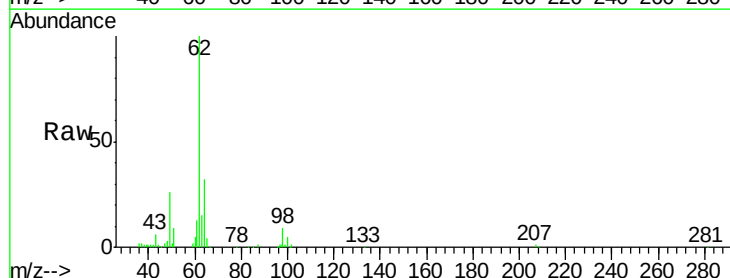
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

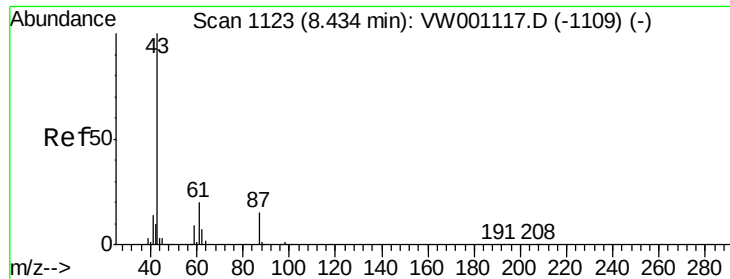
Tgt Ion:	41	Resp:	23831
Ion	Ratio	Lower	Upper
41	100		
39	62.6	48.8	73.2
67	71.8	59.6	89.4
52	29.4	24.6	37.0



#42
1,2-Dichloroethane
Concen: 20.18 ug/l
RT: 8.40 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion:	62	Resp:	59986
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8





#43

Isopropyl Acetate

Concen: 21.77 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

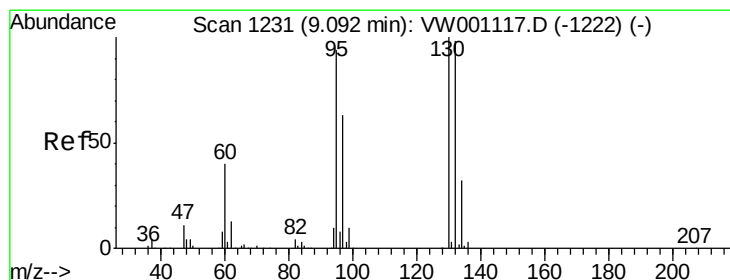
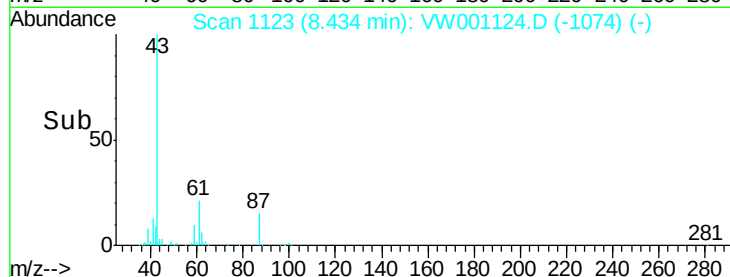
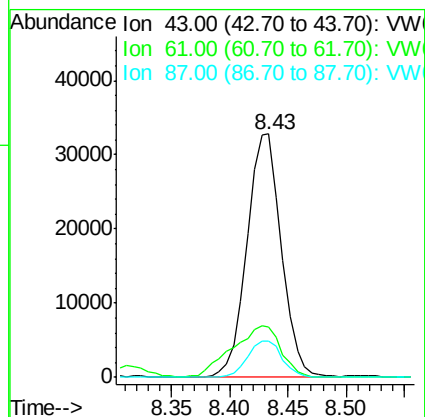
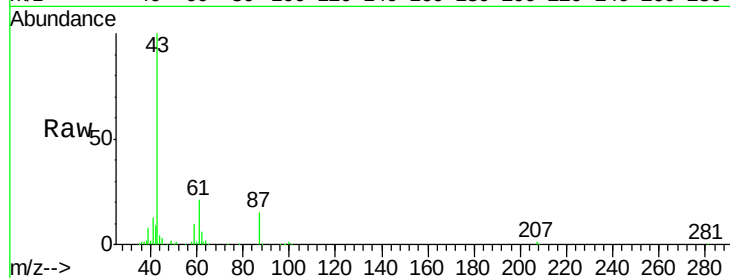
Tgt Ion: 43 Resp: 67609

Ion Ratio Lower Upper

43 100

61 30.0 23.9 35.9

87 15.1 12.0 18.0



#44

Trichloroethene

Concen: 20.35 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW001124.D

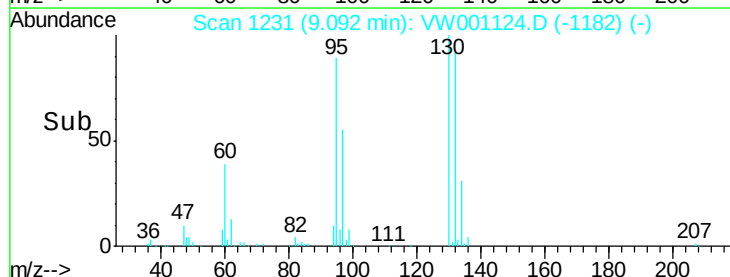
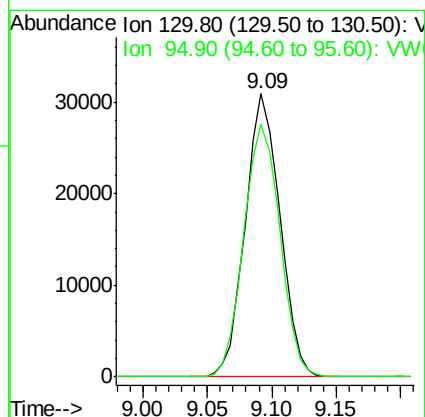
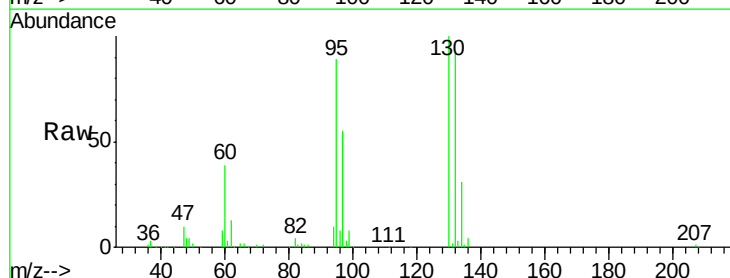
Acq: 29 Jan 2018 17:56

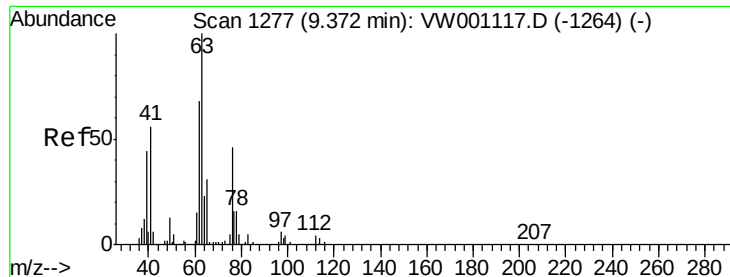
Tgt Ion: 130 Resp: 57762

Ion Ratio Lower Upper

130 100

95 89.5 0.0 189.0





#45

1,2-Dichloropropane

Concen: 20.35 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

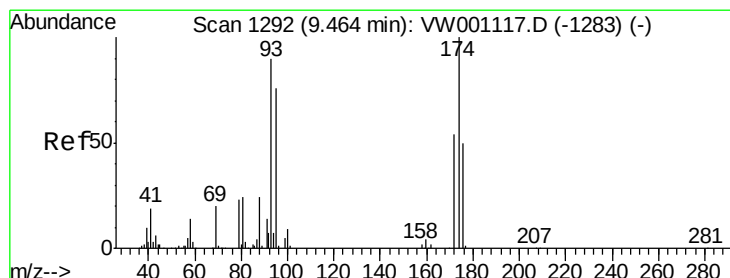
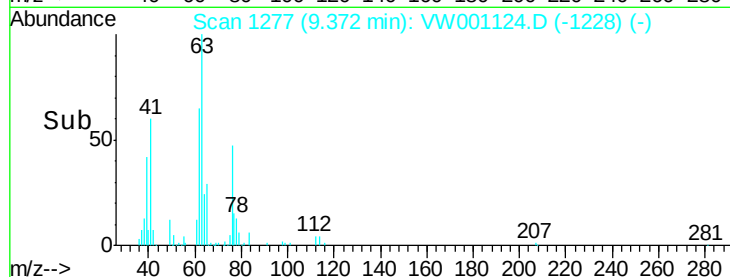
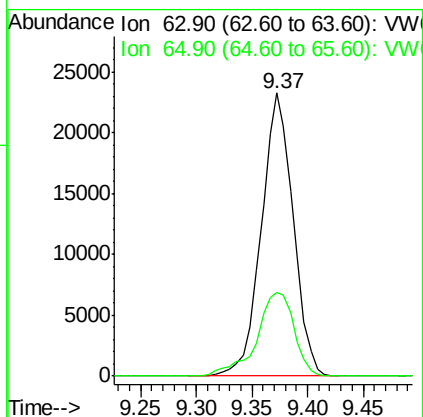
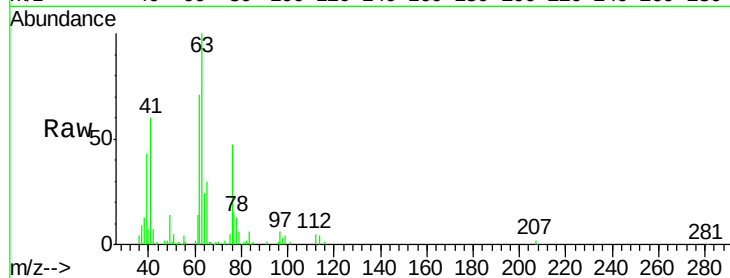
VW0129SBS01

Tgt Ion: 63 Resp: 46328

Ion Ratio Lower Upper

63 100

65 29.5 25.0 37.4



#46

Dibromomethane

Concen: 19.80 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

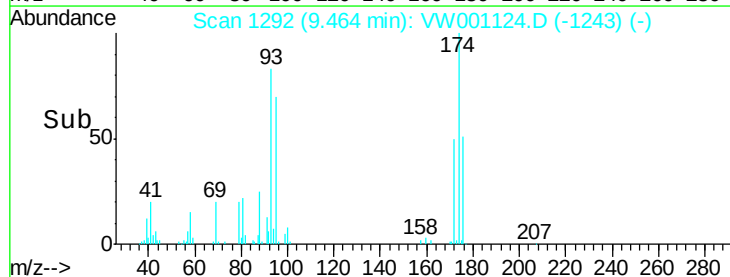
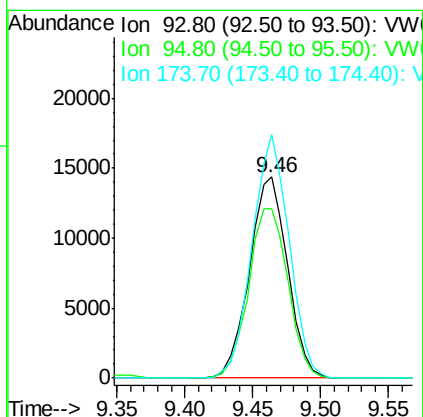
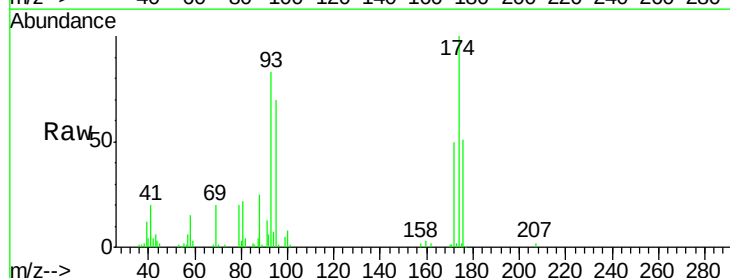
Tgt Ion: 93 Resp: 28192

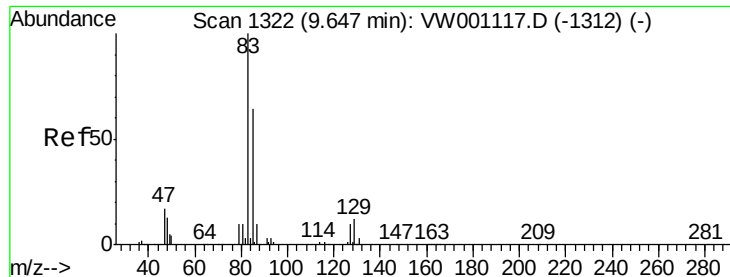
Ion Ratio Lower Upper

93 100

95 87.1 66.5 99.7

174 117.6 89.5 134.3





#47

Bromodichloromethane

Concen: 20.13 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

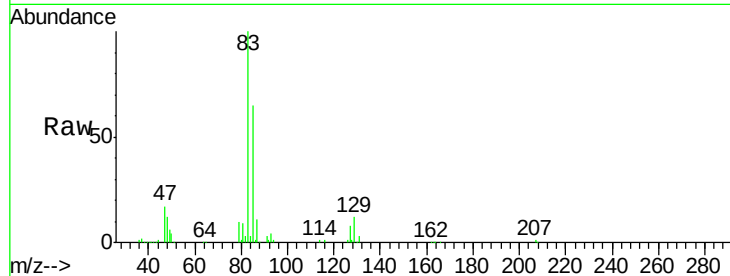
Tgt Ion: 83 Resp: 64822

Ion Ratio Lower Upper

83 100

85 65.5 51.5 77.3

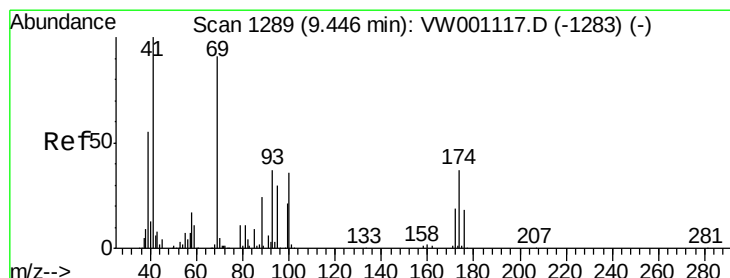
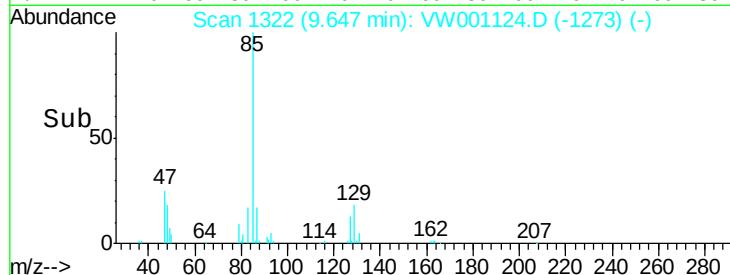
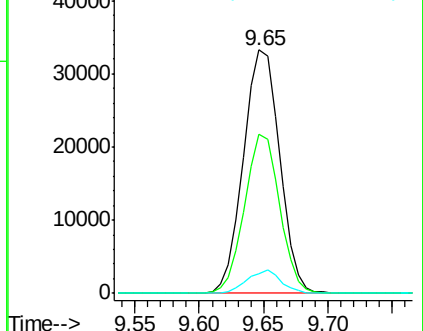
127 8.3 7.6 11.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.59 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

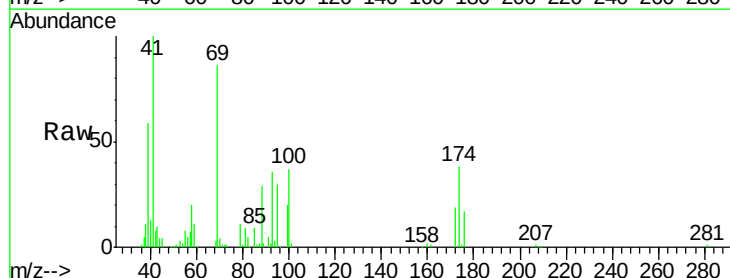
Tgt Ion: 41 Resp: 32044

Ion Ratio Lower Upper

41 100

69 93.9 74.9 112.3

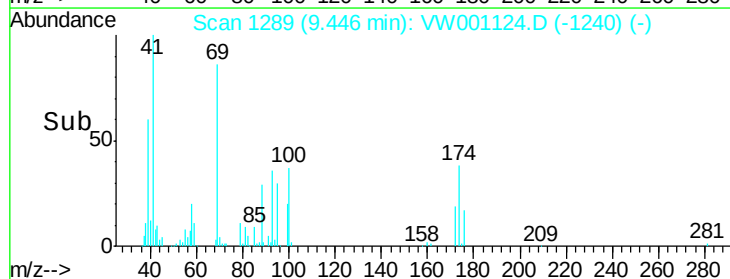
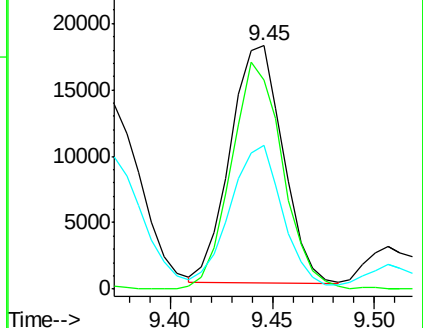
39 61.5 47.6 71.4

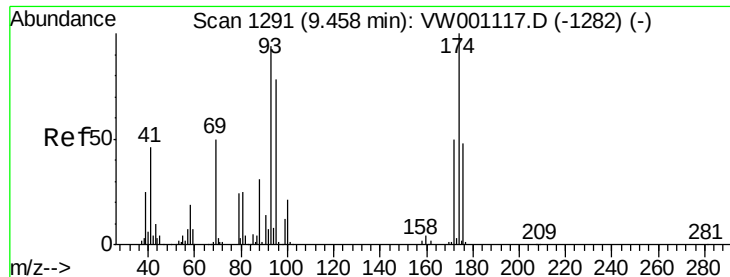


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 481.88 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

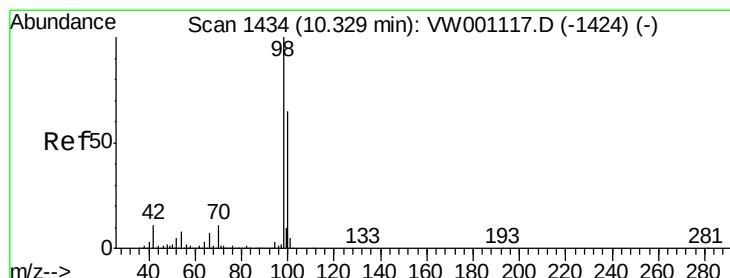
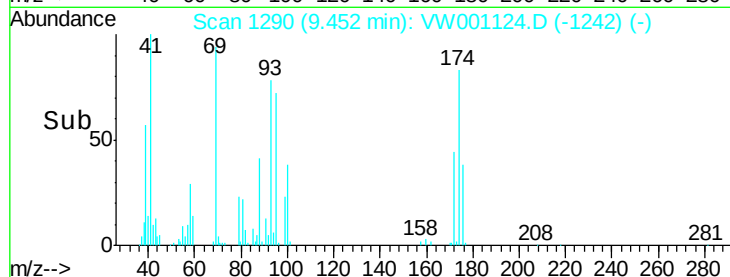
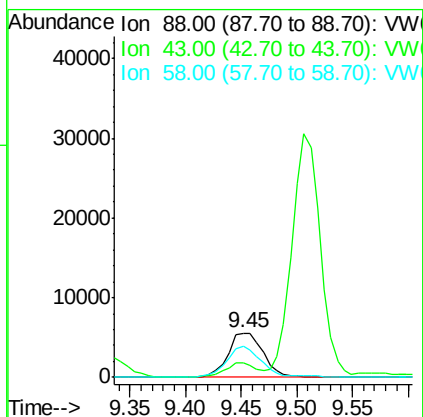
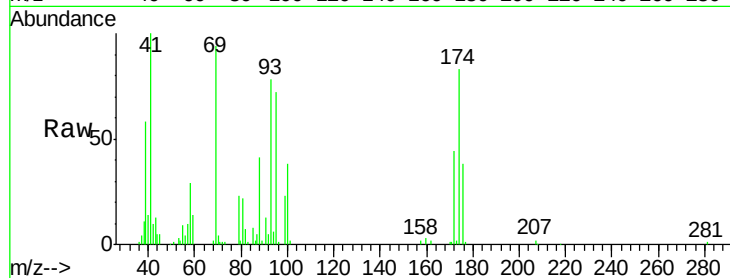
Tgt Ion: 88 Resp: 12224

Ion Ratio Lower Upper

88 100

43 29.8 23.0 34.6

58 70.5 53.9 80.9



#50

Toluene-d8

Concen: 49.96 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW001124.D

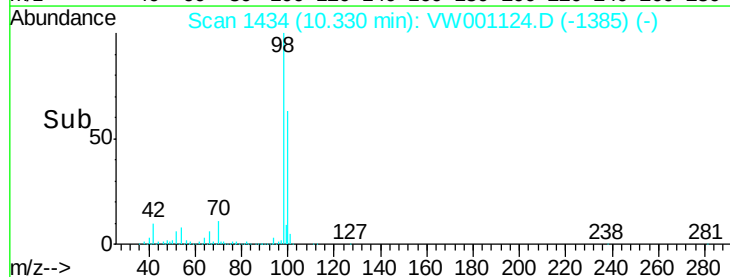
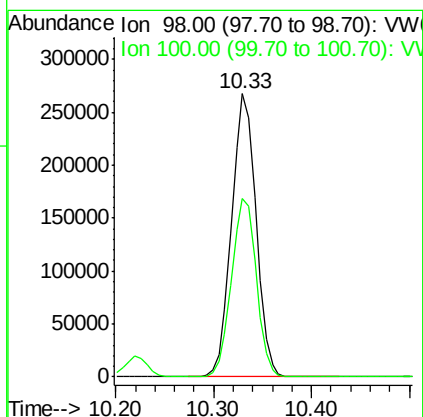
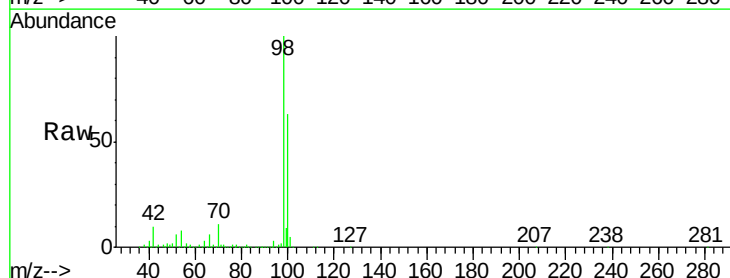
Acq: 29 Jan 2018 17:56

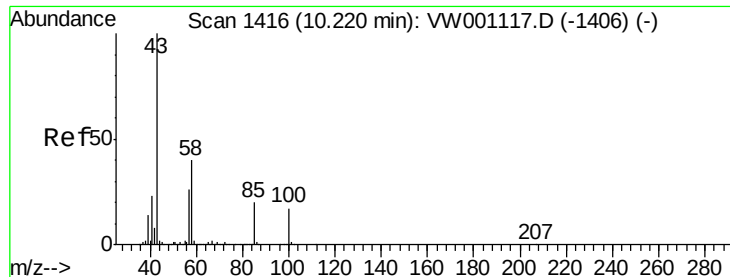
Tgt Ion: 98 Resp: 465224

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9

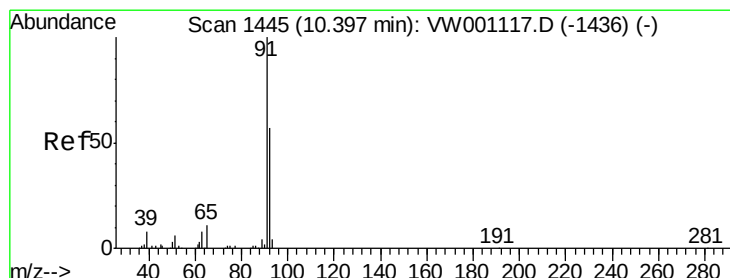
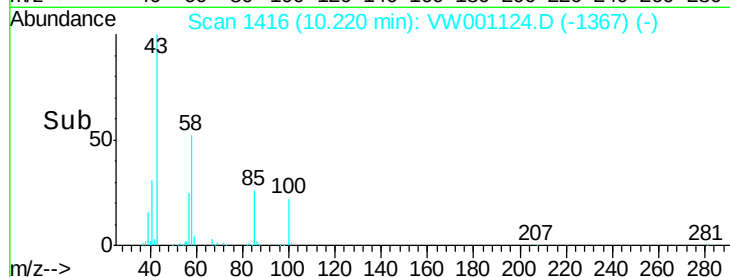
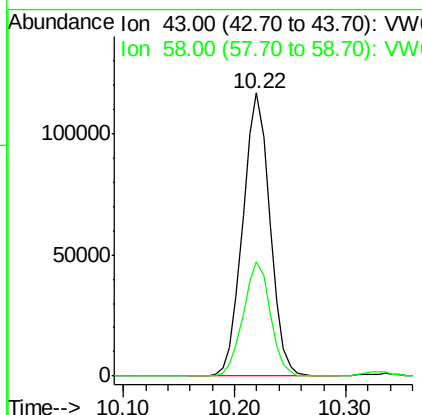
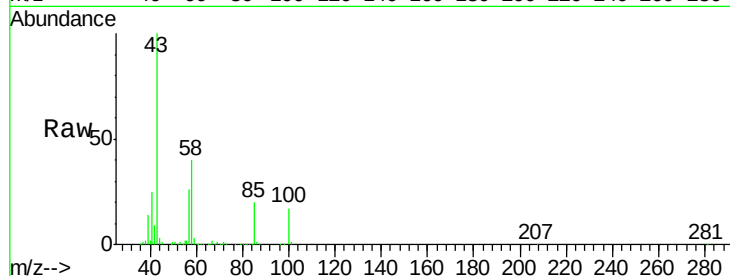




#51
 4-Methyl-2-Pentanone
 Concen: 116.51 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

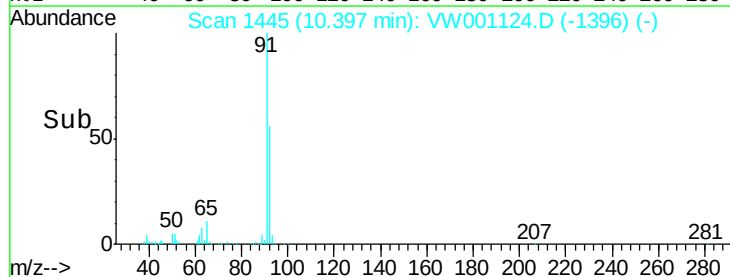
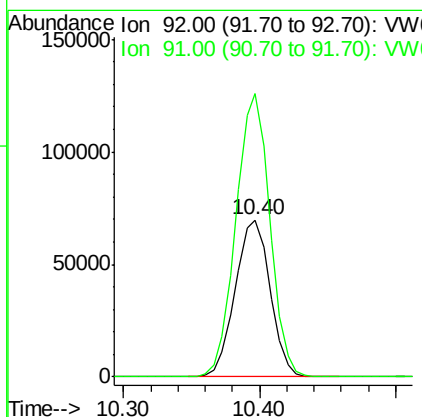
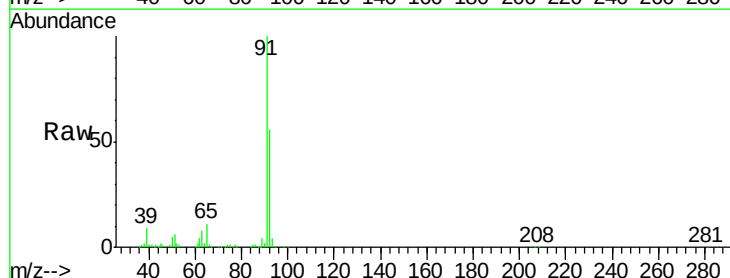
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

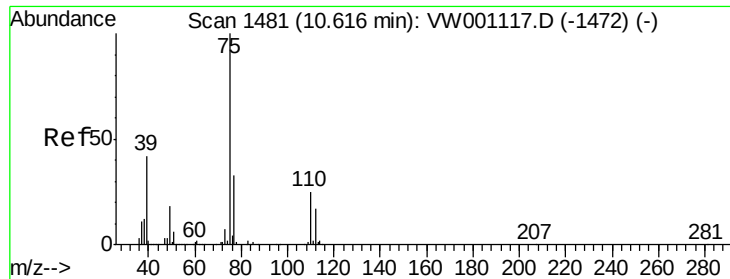
Tgt Ion: 43 Resp: 197695
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.1 48.1



#52
 Toluene
 Concen: 20.58 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 92 Resp: 124905
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 20.06 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

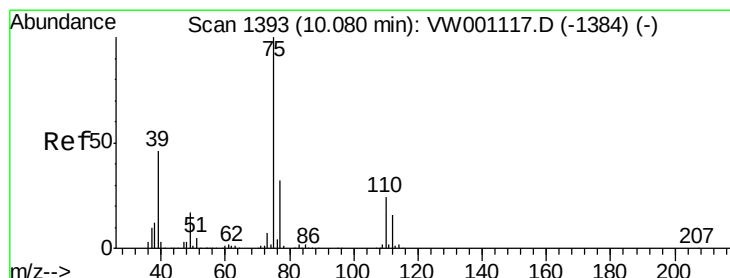
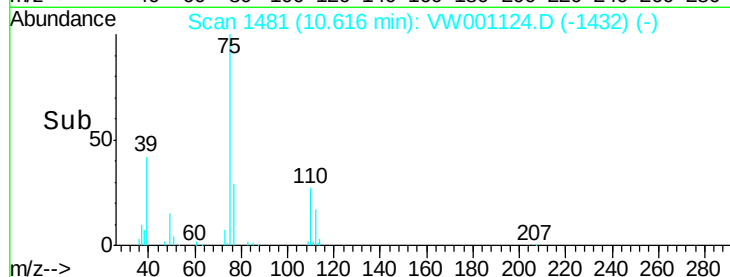
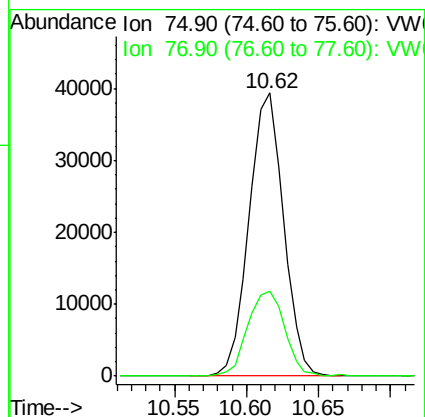
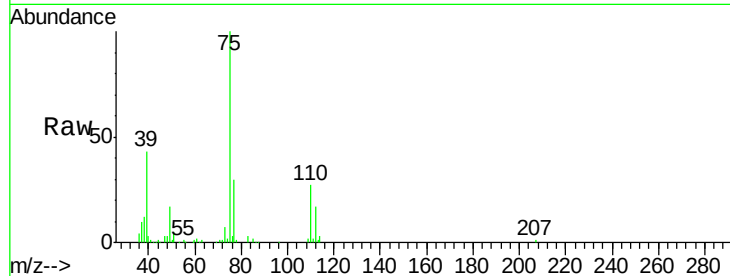
VW0129SBS01

Tgt Ion: 75 Resp: 65188

Ion Ratio Lower Upper

75 100

77 29.8 26.0 39.0



#54

cis-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

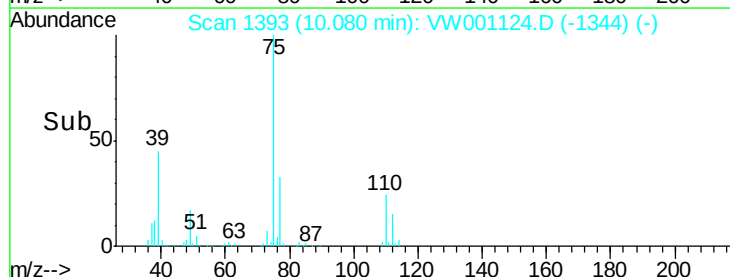
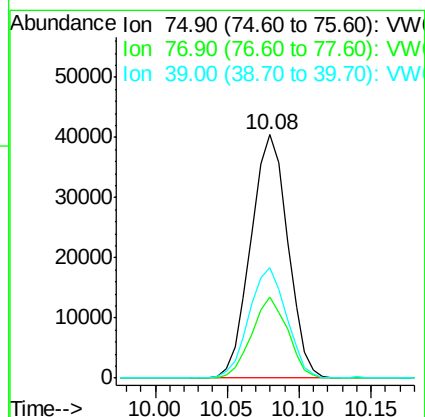
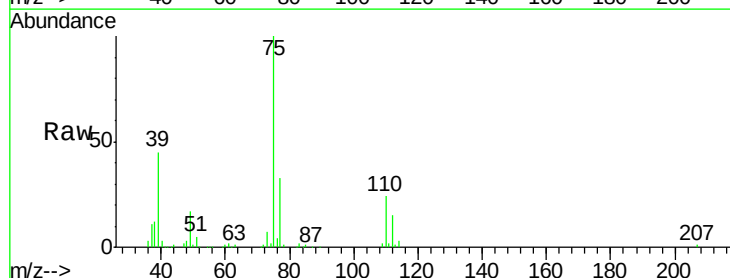
Tgt Ion: 75 Resp: 71953

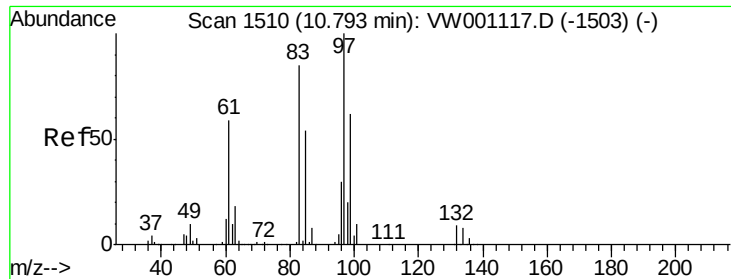
Ion Ratio Lower Upper

75 100

77 33.4 25.5 38.3

39 45.1 37.0 55.4





#55

1,1,2-Trichloroethane

Concen: 20.55 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

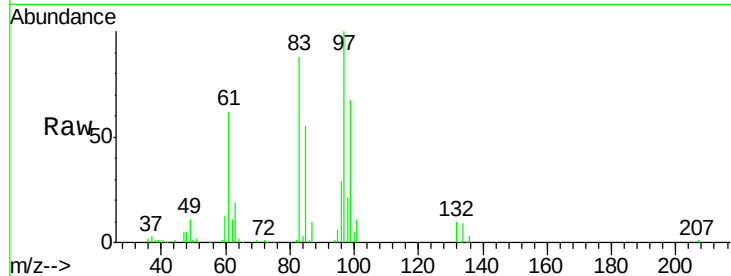
MSVOA_W

ClientSampleId :

VW0129SBS01

Tgt Ion: 97 Resp: 41710

Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.7	101.5
85	54.7	43.0	64.6
99	66.8	49.9	74.9

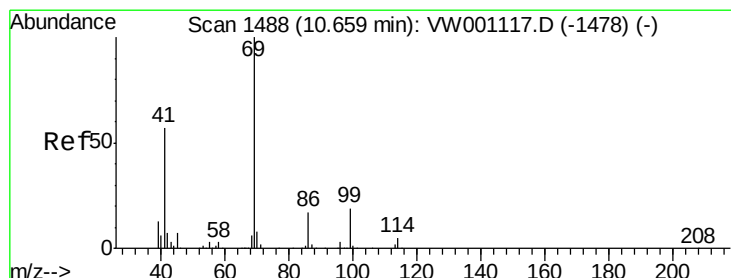
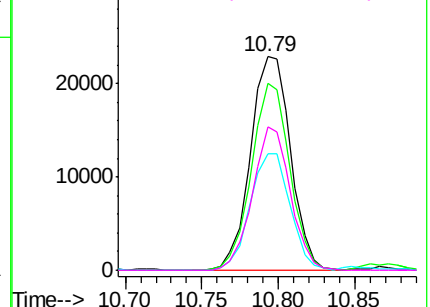
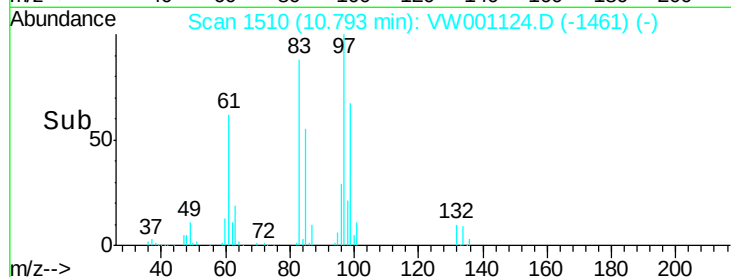


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.72 ug/l

RT: 10.66 min Scan# 1488

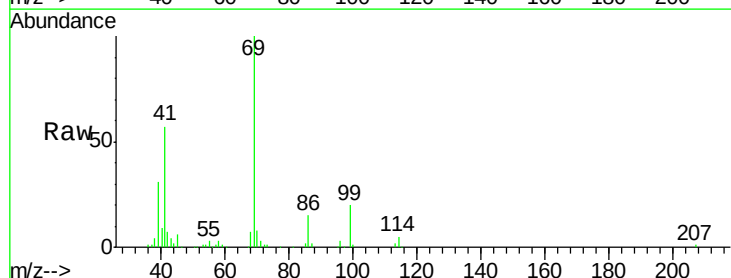
Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Tgt Ion: 69 Resp: 49289

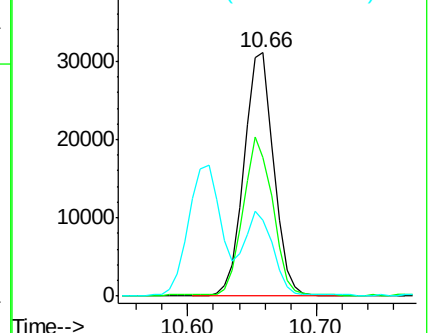
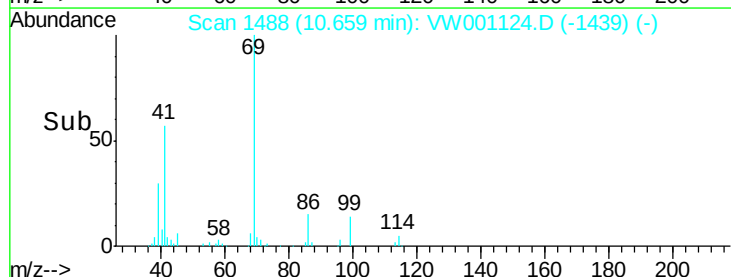
Ion	Ratio	Lower	Upper
69	100		
41	65.3	50.6	75.8
39	34.5	27.5	41.3

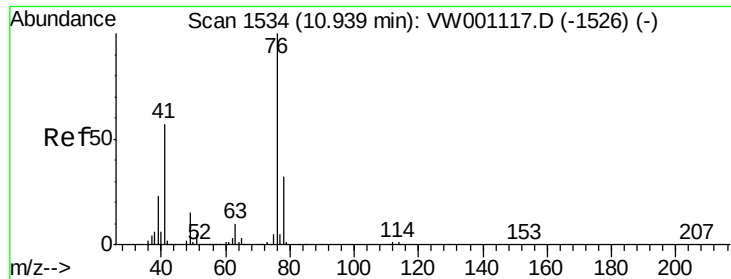


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

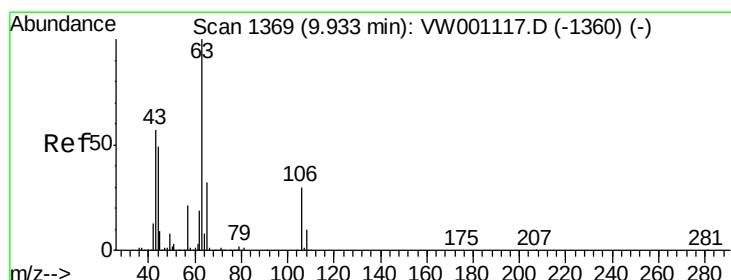
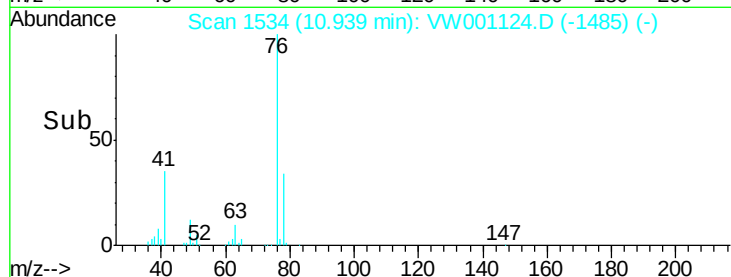
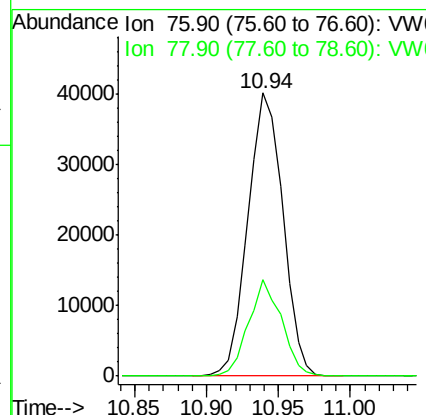
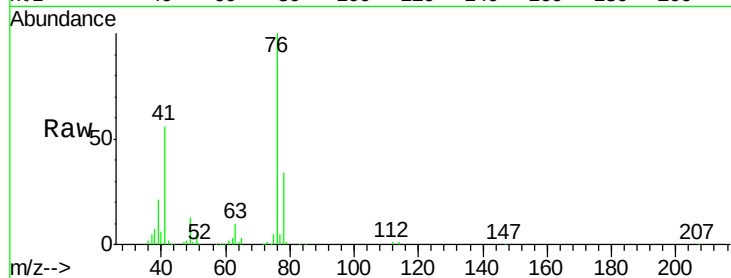




#57
 1,3-Dichloropropane
 Concen: 20.52 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

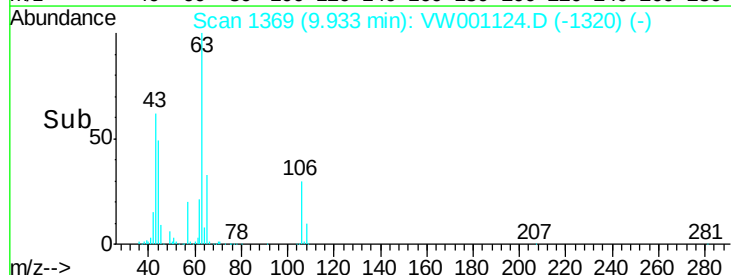
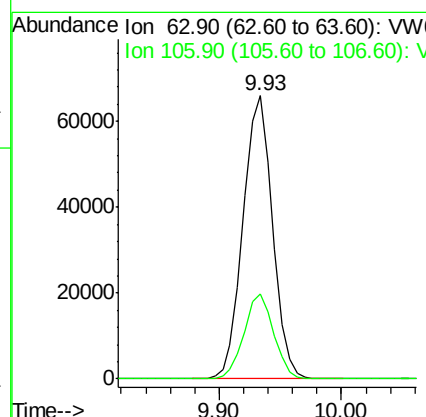
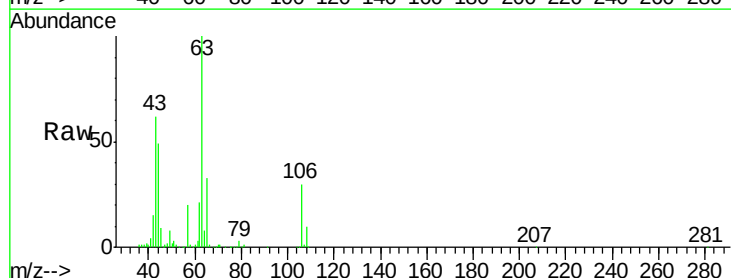
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

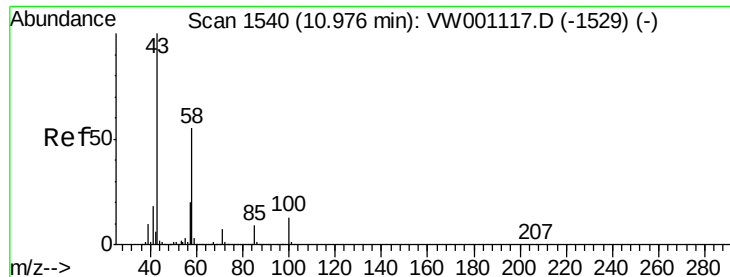
Tgt Ion: 76 Resp: 67698
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.59 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 63 Resp: 110239
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.2 36.4

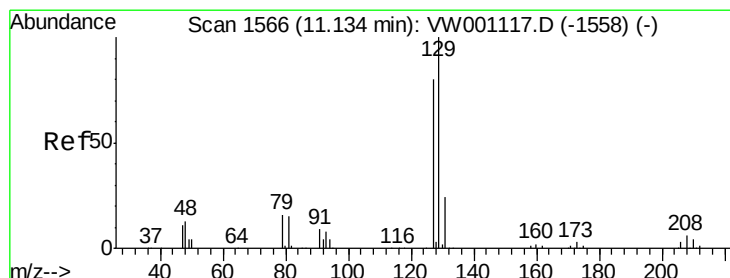
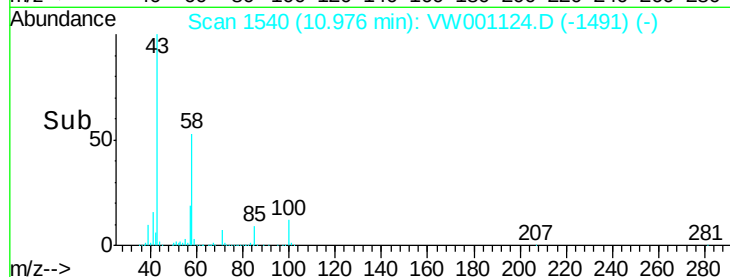
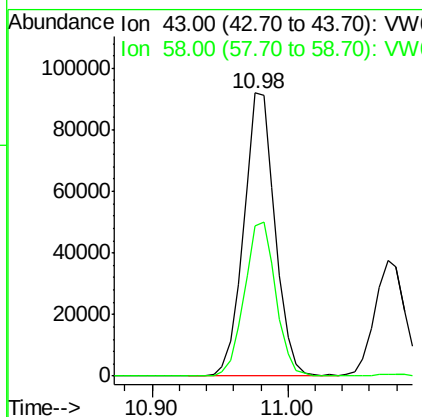
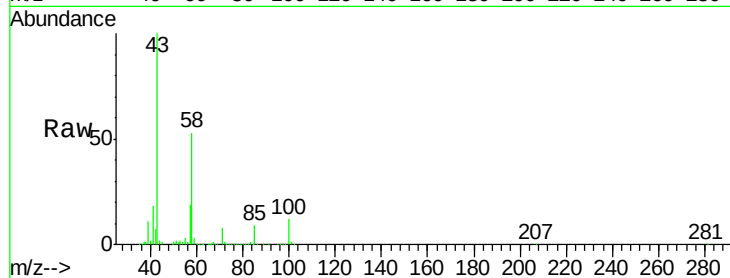




#59
2-Hexanone
Concen: 114.95 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

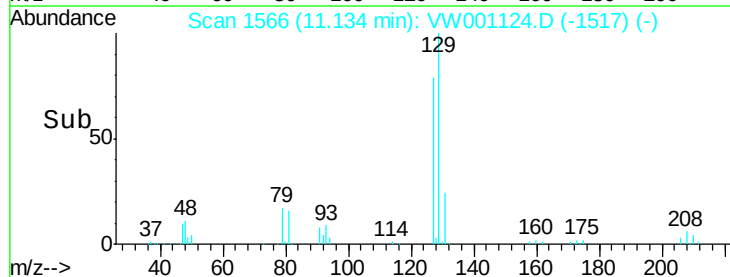
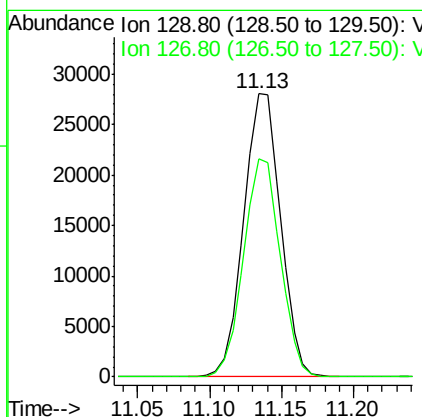
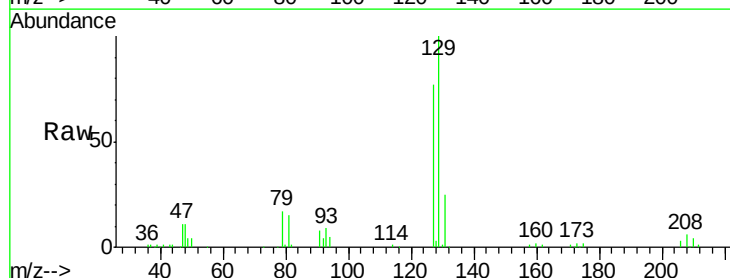
Instrument :
MSVOA_W
ClientSampled :
VW0129SBS01

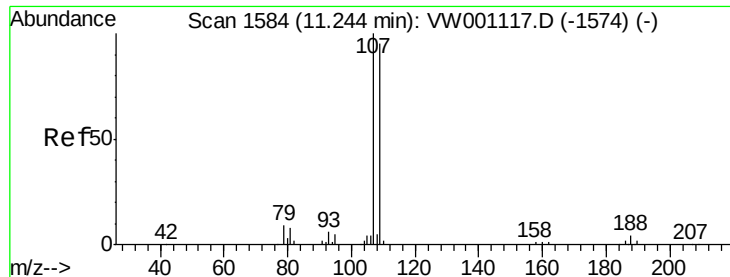
Tgt Ion: 43 Resp: 147561
Ion Ratio Lower Upper
43 100
58 54.7 27.7 83.0



#60
Dibromochloromethane
Concen: 20.08 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion: 129 Resp: 49659
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5

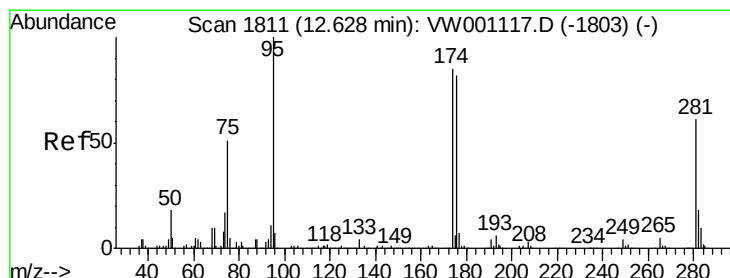
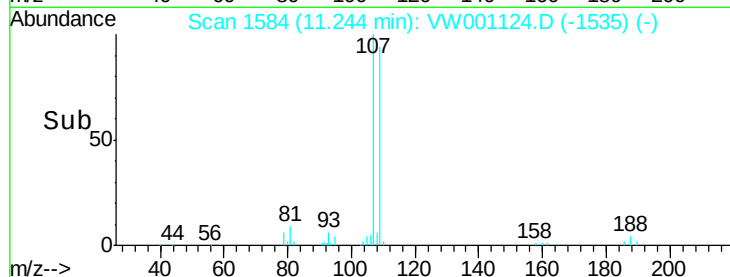
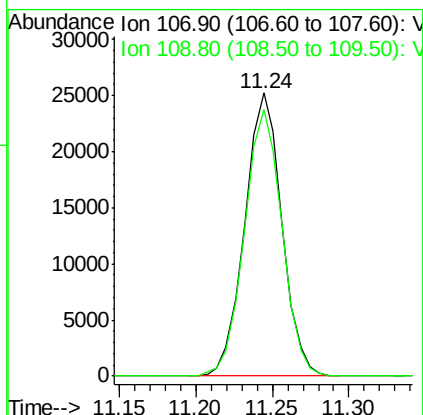
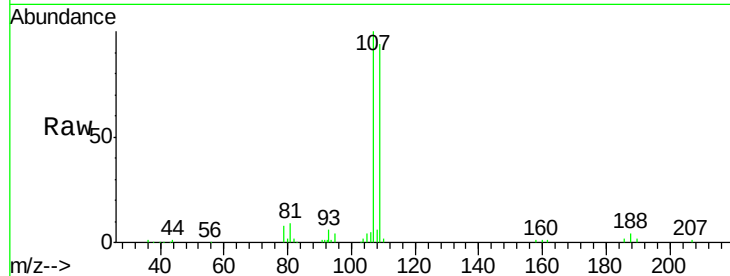




#61
 1,2-Dibromoethane
 Concen: 20.73 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

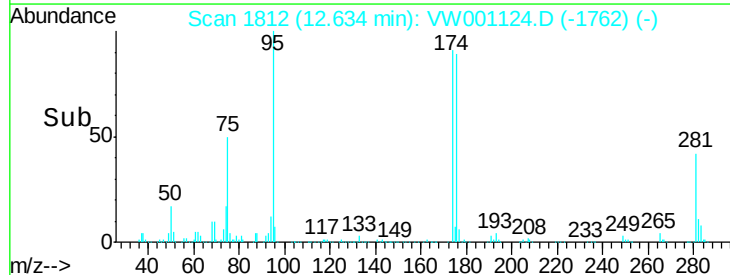
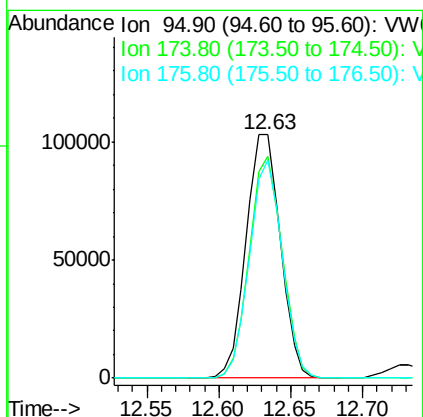
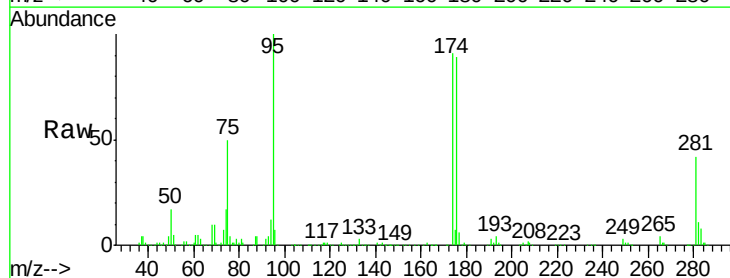
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

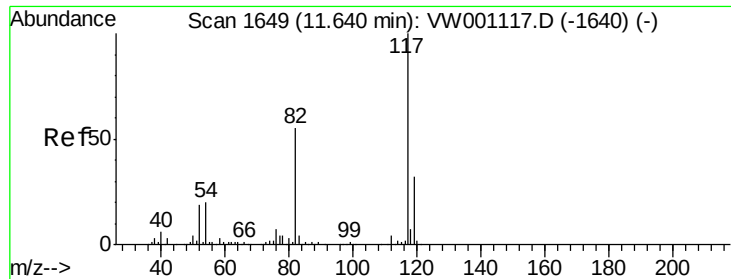
Tgt Ion: 107 Resp: 42418
 Ion Ratio Lower Upper
 107 100
 109 95.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 49.55 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 95 Resp: 170015
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 179.6
 176 85.5 0.0 174.4

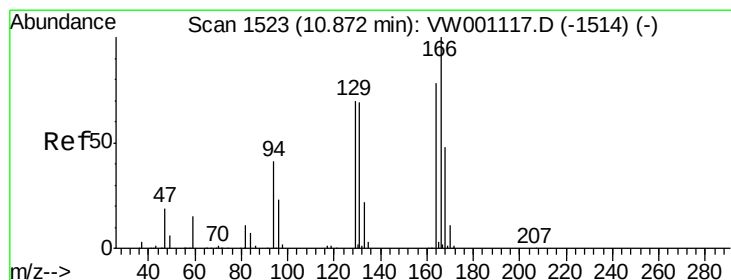
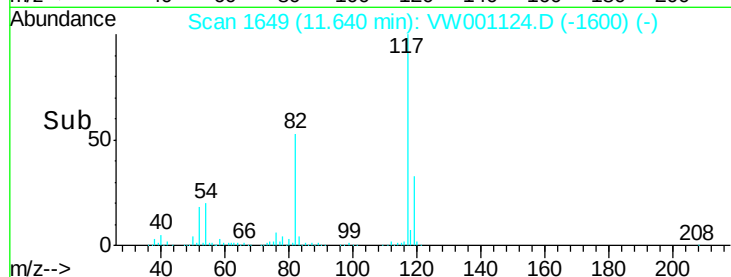
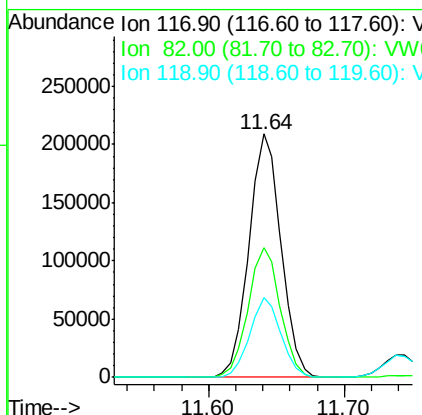
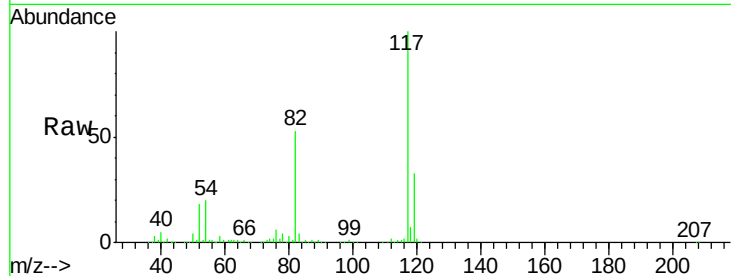




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

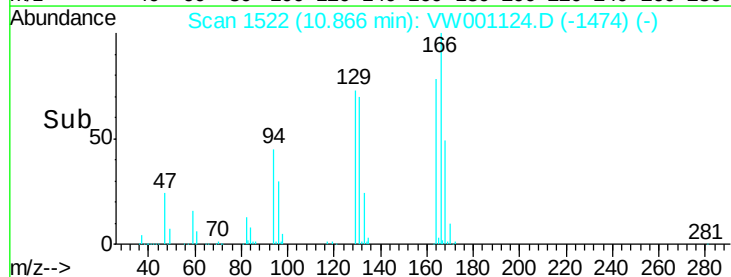
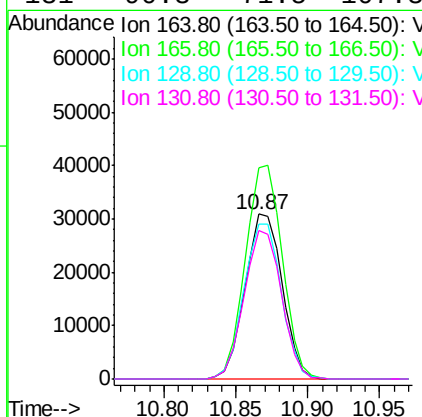
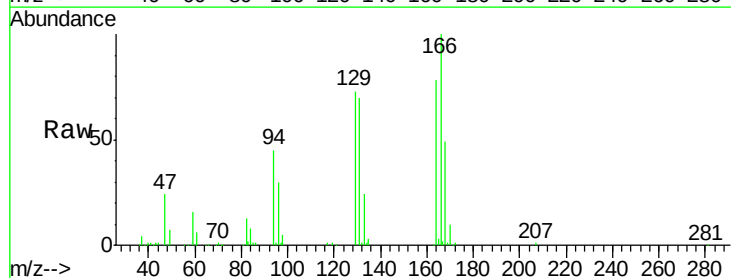
Instrument :
MSVOA_W
ClientSampled :
VW0129SBS01

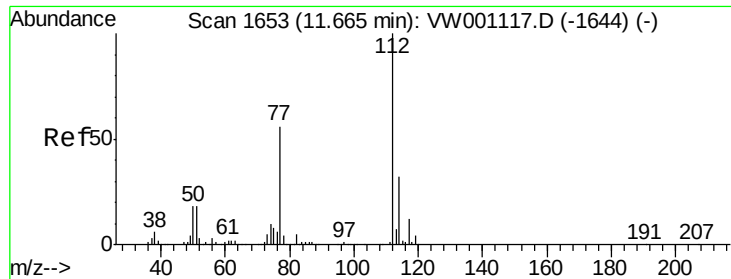
Tgt Ion:117 Resp: 345532
Ion Ratio Lower Upper
117 100
82 53.4 43.8 65.8
119 33.0 25.8 38.8



#64
Tetrachloroethene
Concen: 19.80 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion:164 Resp: 55014
Ion Ratio Lower Upper
164 100
166 128.1 103.1 154.7
129 94.0 72.3 108.5
131 90.3 71.5 107.3





#65

Chlorobenzene

Concen: 20.10 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

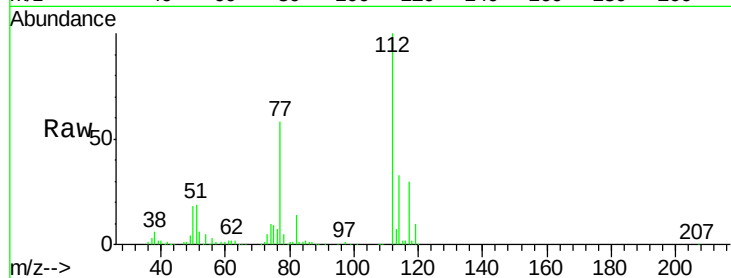
VW0129SBS01

Tgt Ion:112 Resp: 140092

Ion Ratio Lower Upper

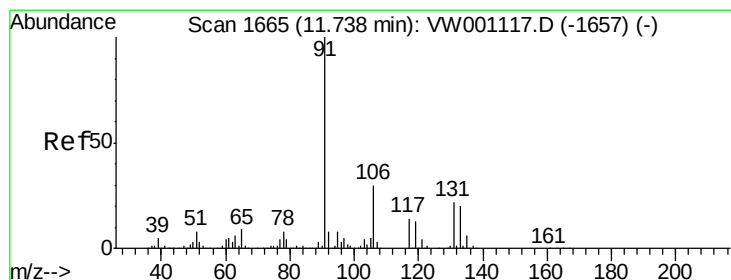
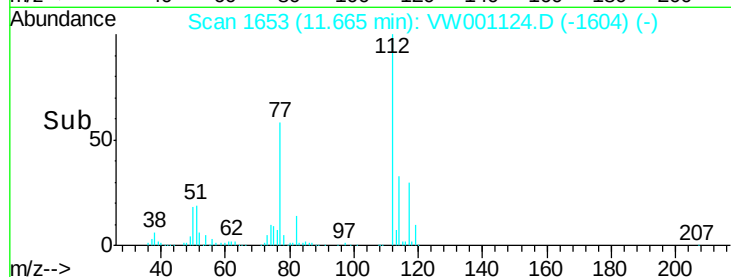
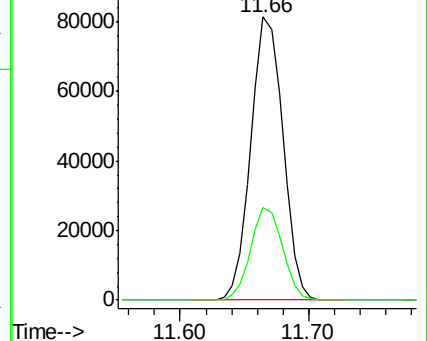
112 100

114 32.8 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.20 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

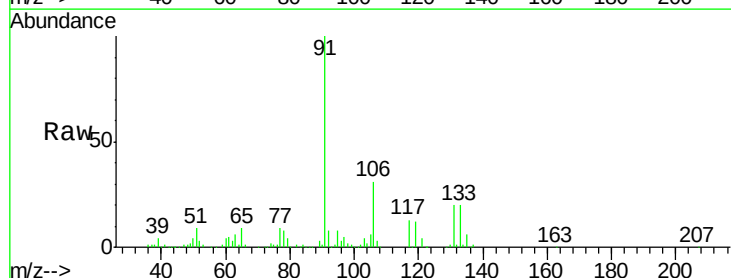
Tgt Ion:131 Resp: 51400

Ion Ratio Lower Upper

131 100

133 96.5 47.3 141.8

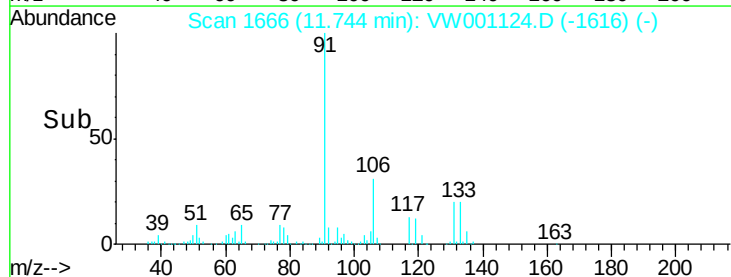
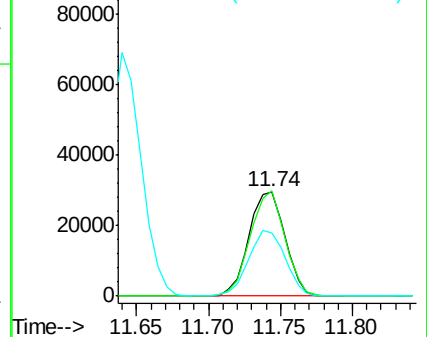
119 63.6 31.5 94.5

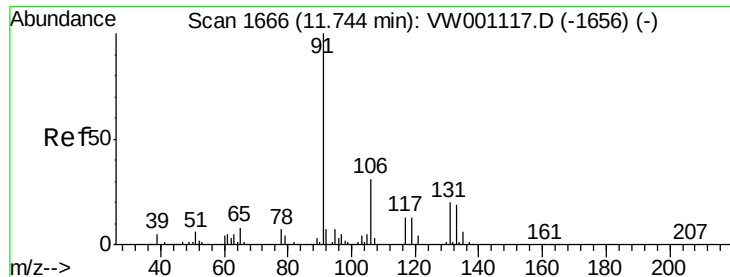


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

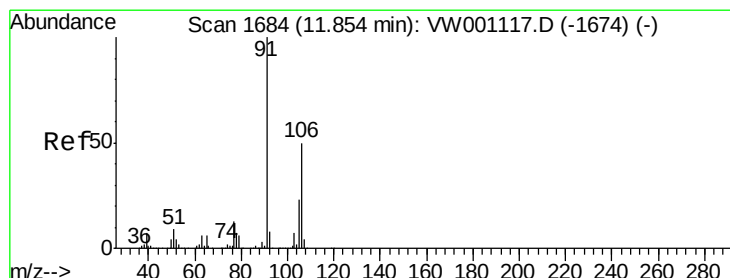
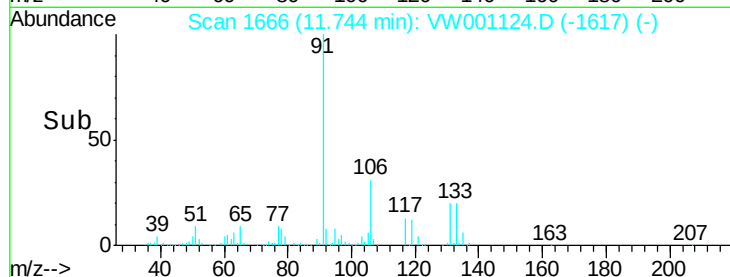
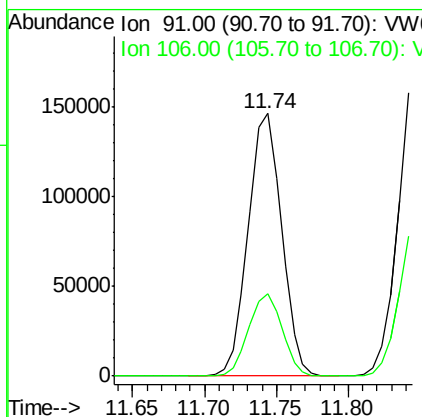
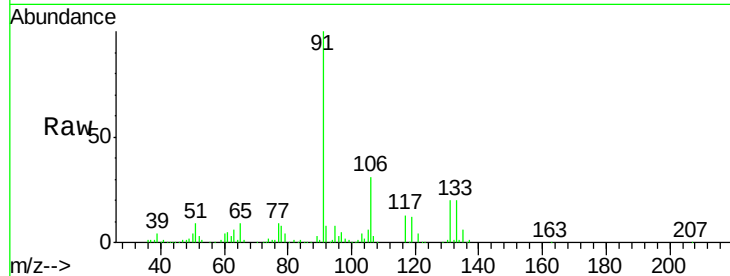




#67
Ethyl Benzene
Concen: 20.21 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

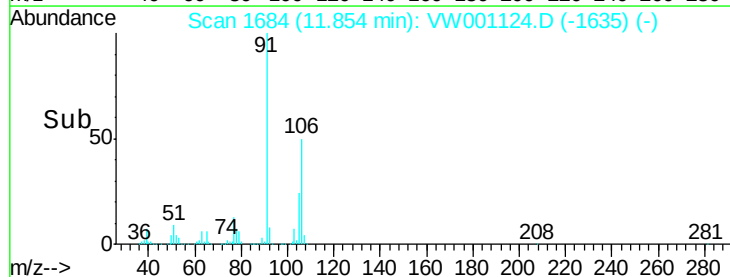
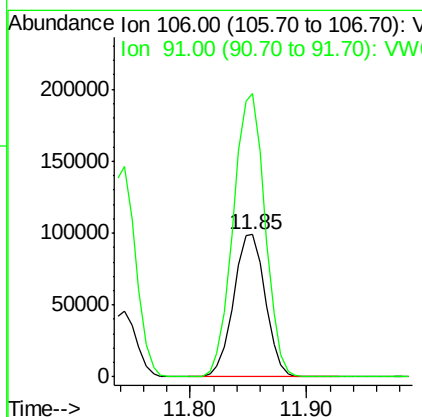
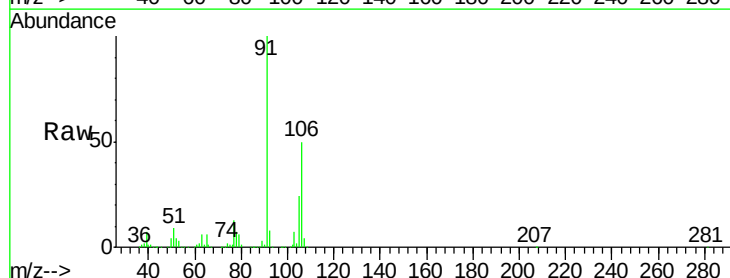
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

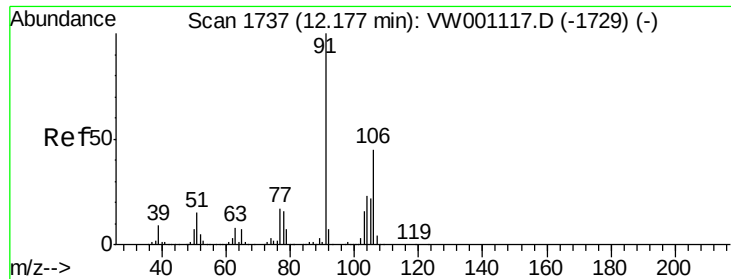
Tgt Ion: 91 Resp: 235101
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 41.60 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion: 106 Resp: 188557
Ion Ratio Lower Upper
106 100
91 199.0 163.1 244.7

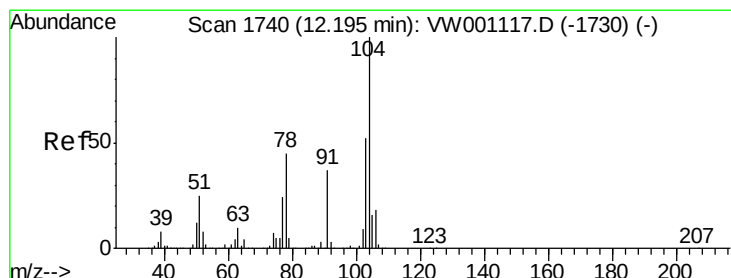
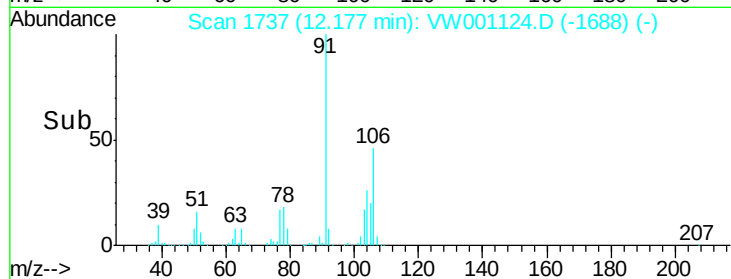
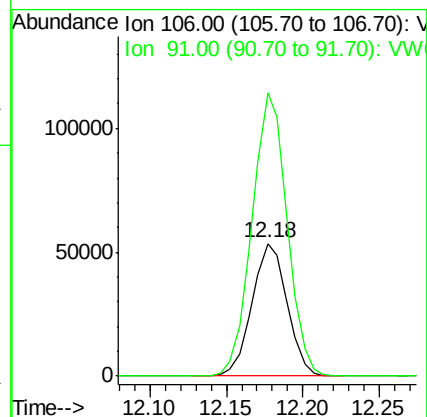
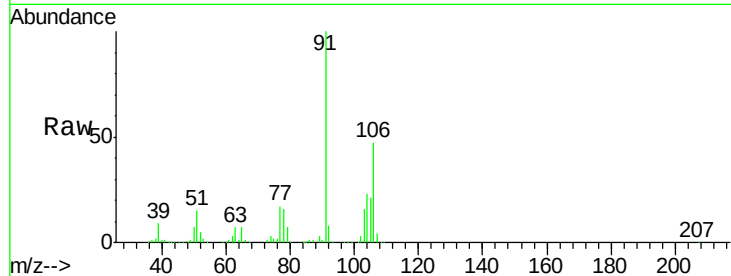




#69
o-Xylene
Concen: 20.45 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

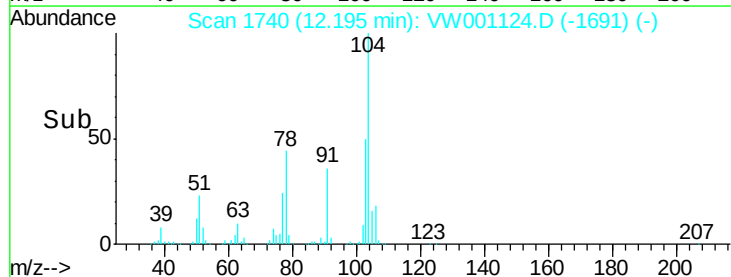
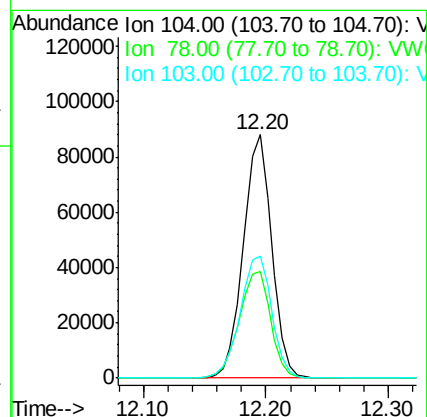
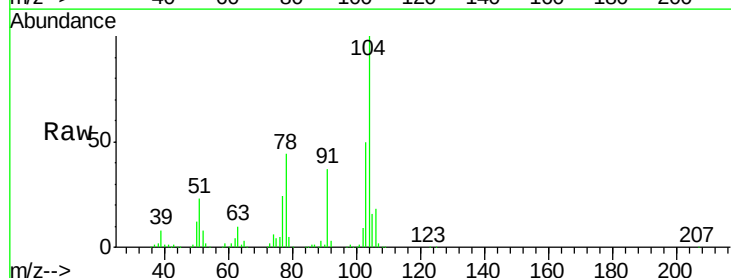
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

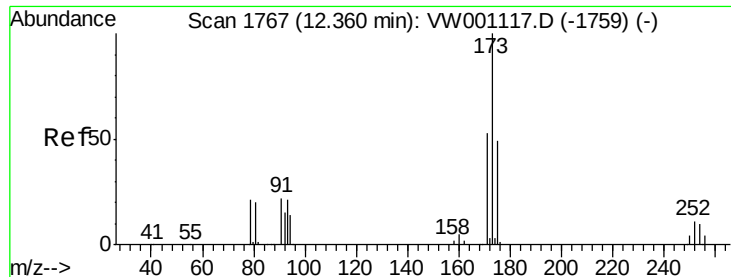
Tgt Ion:106 Resp: 85489
Ion Ratio Lower Upper
106 100
91 213.7 107.6 322.8



#70
Styrene
Concen: 20.64 ug/l
RT: 12.20 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion:104 Resp: 141788
Ion Ratio Lower Upper
104 100
78 48.6 39.9 59.9
103 55.8 44.7 67.1





#71

Bromoform

Concen: 21.27 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

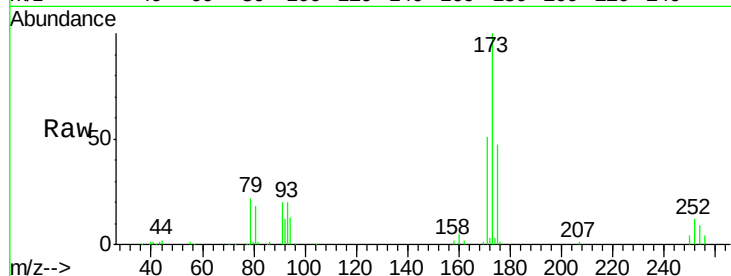
Tgt Ion:173 Resp: 34979

Ion Ratio Lower Upper

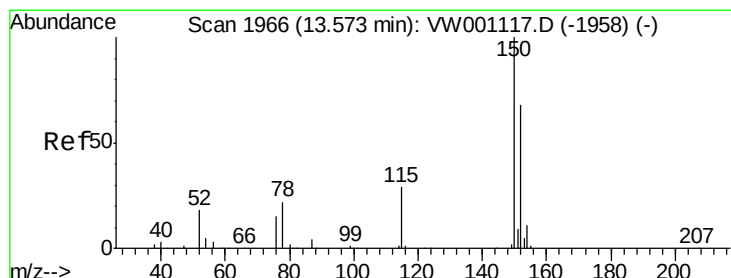
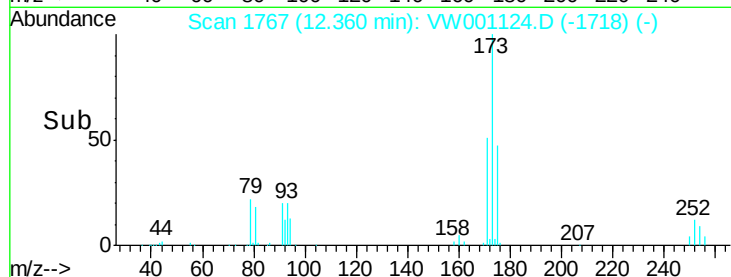
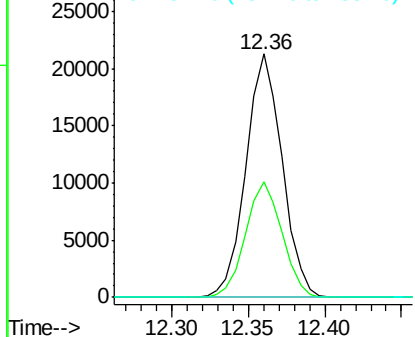
173 100

175 47.6 24.9 74.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

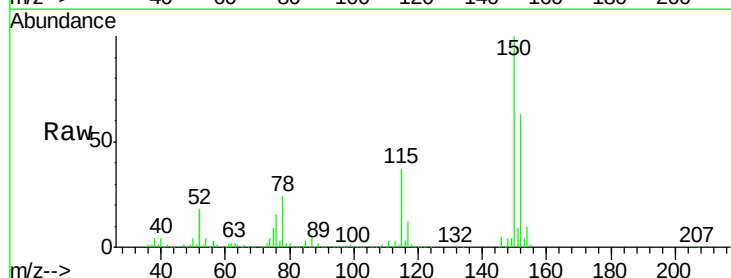
Tgt Ion:152 Resp: 190188

Ion Ratio Lower Upper

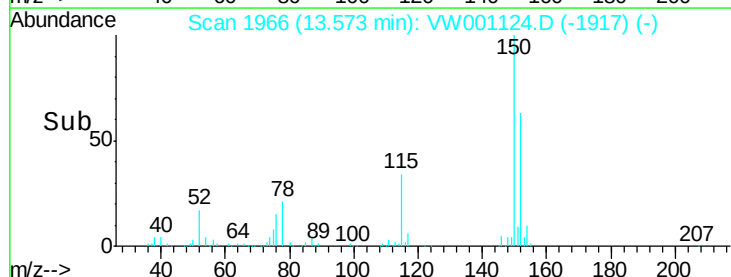
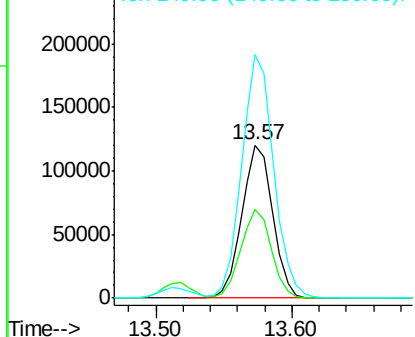
152 100

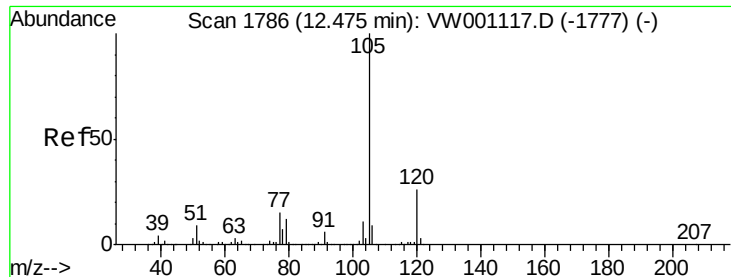
115 57.2 28.4 85.3

150 165.2 0.0 342.4



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: 20.11 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

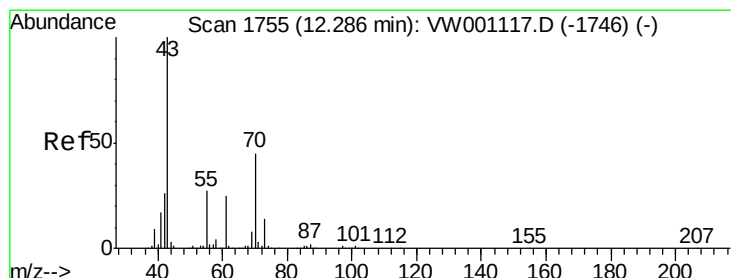
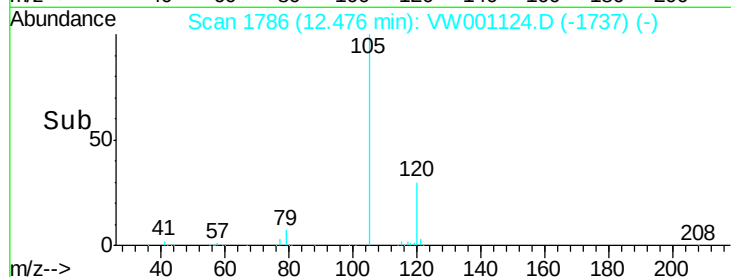
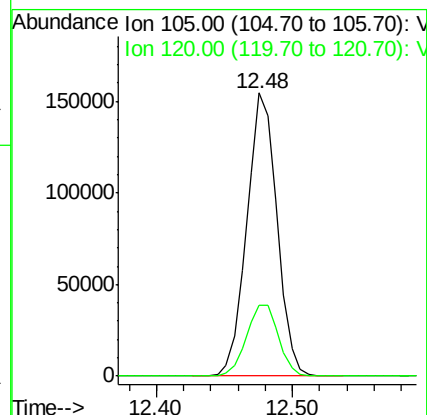
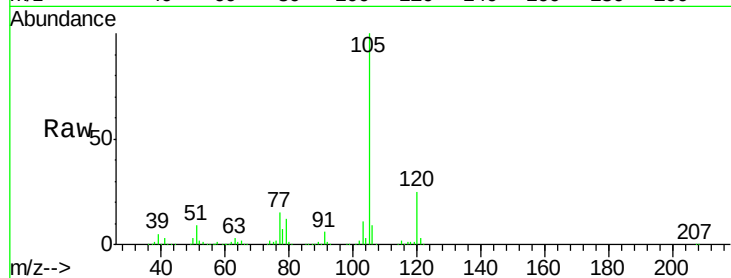
VW0129SBS01

Tgt Ion:105 Resp: 239576

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9



#74

N-ethyl acetate

Concen: 21.95 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Tgt Ion: 43 Resp: 59721

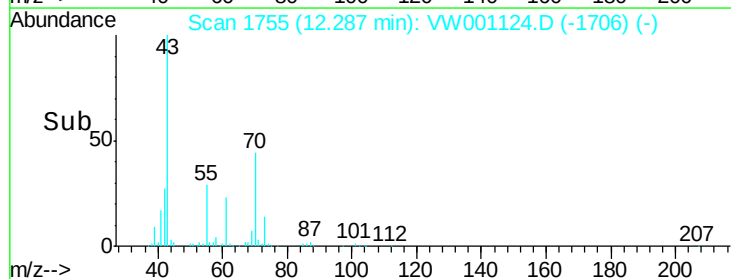
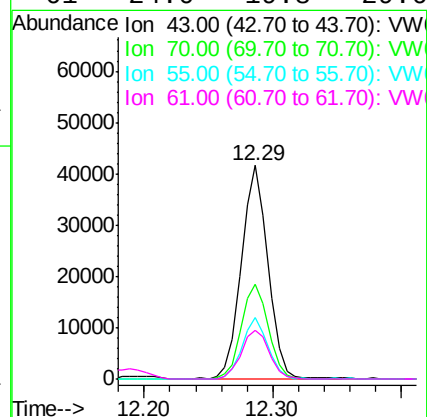
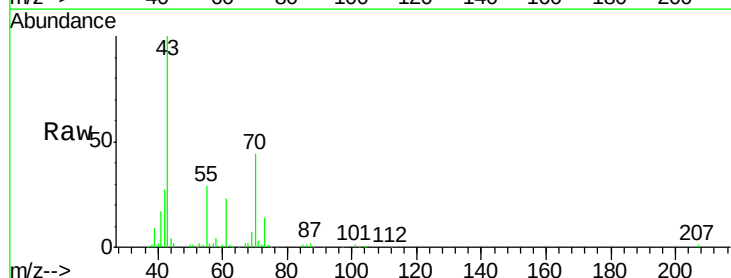
Ion Ratio Lower Upper

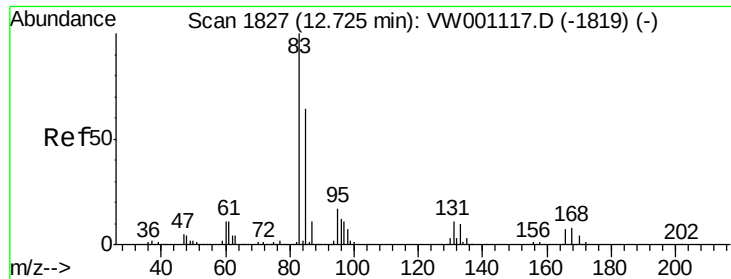
43 100

70 44.8 36.0 54.0

55 27.6 21.7 32.5

61 24.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.82 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

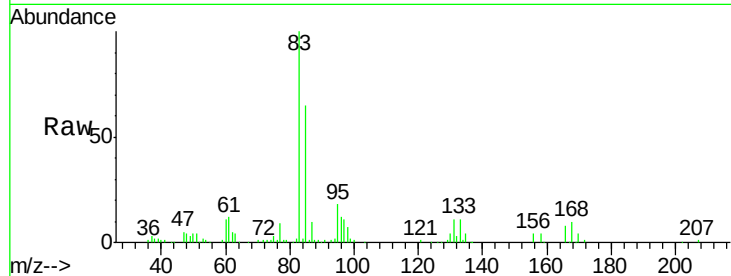
Tgt Ion: 83 Resp: 53157

Ion Ratio Lower Upper

83 100

131 12.2 5.8 17.4

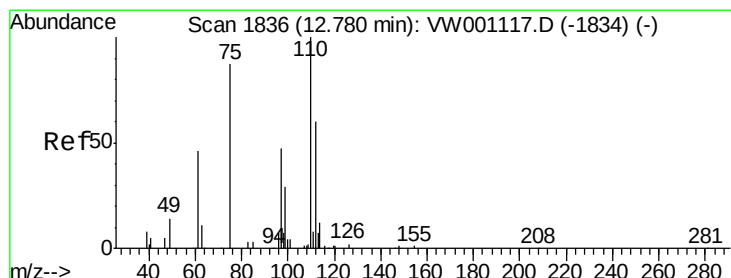
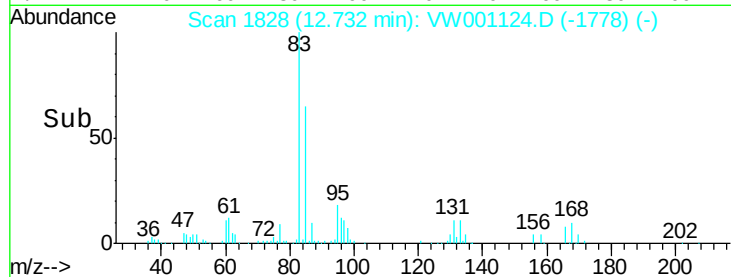
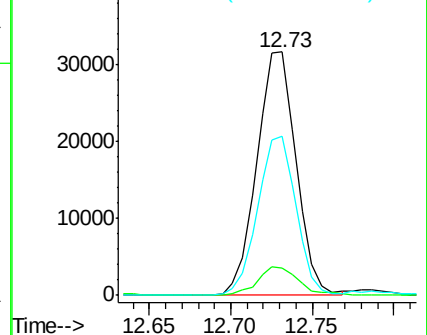
85 64.0 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.03 ug/l

RT: 12.78 min Scan# 1836

Delta R.T. 0.00 min

Lab File: VW001124.D

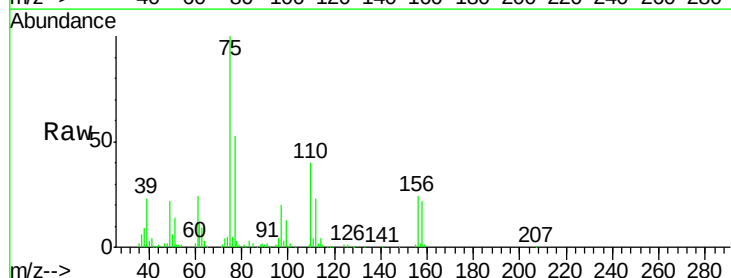
Acq: 29 Jan 2018 17:56

Tgt Ion: 75 Resp: 71381

Ion Ratio Lower Upper

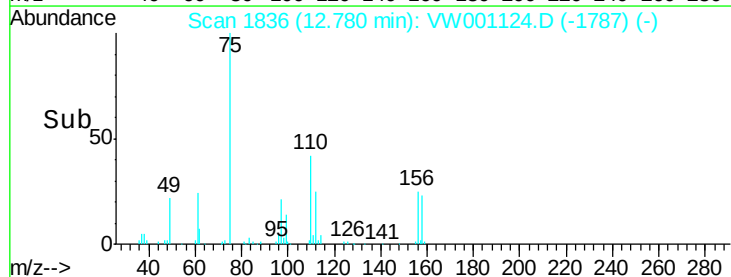
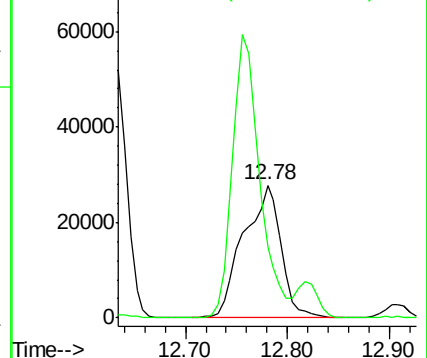
75 100

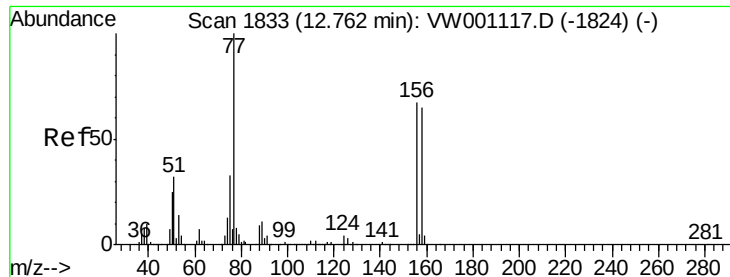
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.16 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampled :

VW0129SBS01

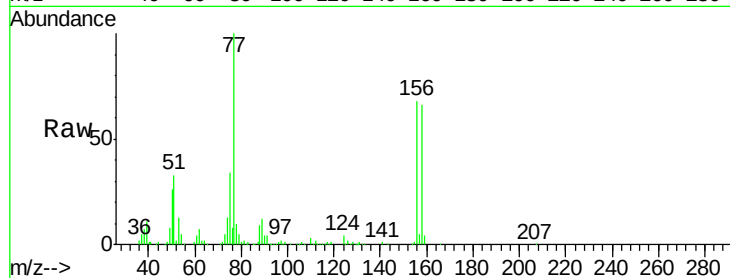
Tgt Ion:156 Resp: 62347

Ion Ratio Lower Upper

156 100

77 175.1 85.3 255.8

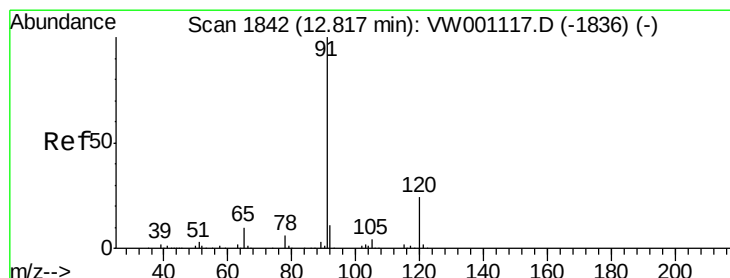
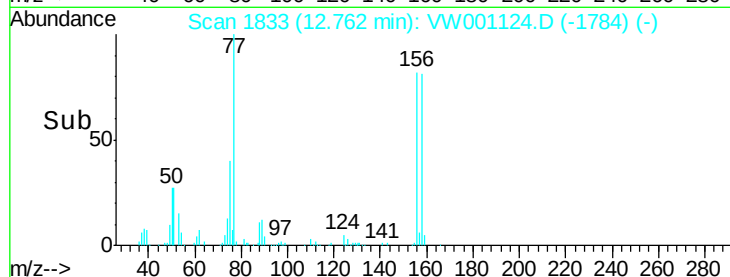
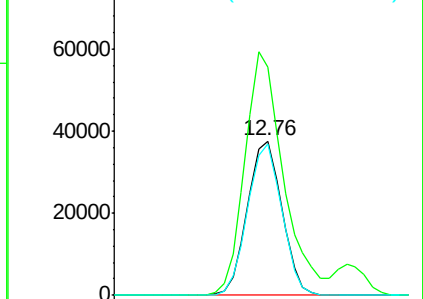
158 97.3 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.57 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VW001124.D

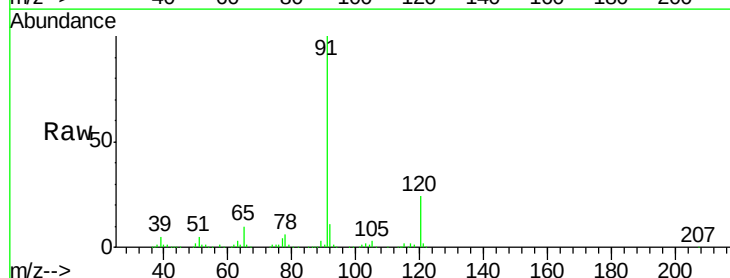
Acq: 29 Jan 2018 17:56

Tgt Ion: 91 Resp: 293427

Ion Ratio Lower Upper

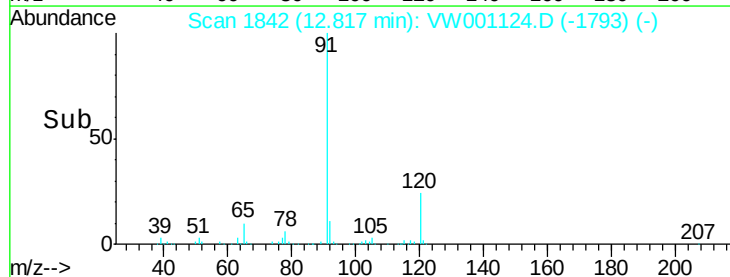
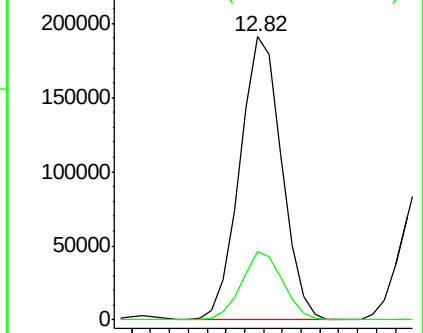
91 100

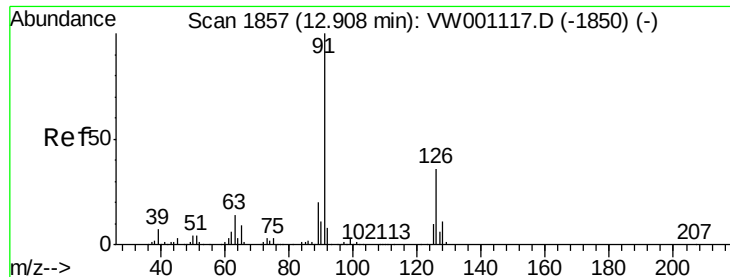
120 24.0 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.34 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

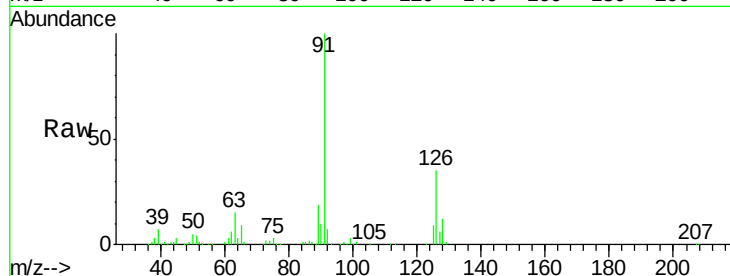
VW0129SBS01

Tgt Ion: 91 Resp: 165987

Ion Ratio Lower Upper

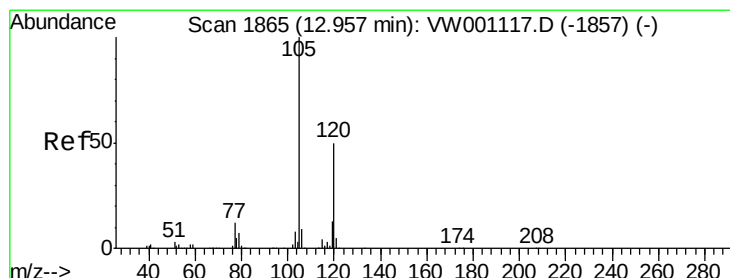
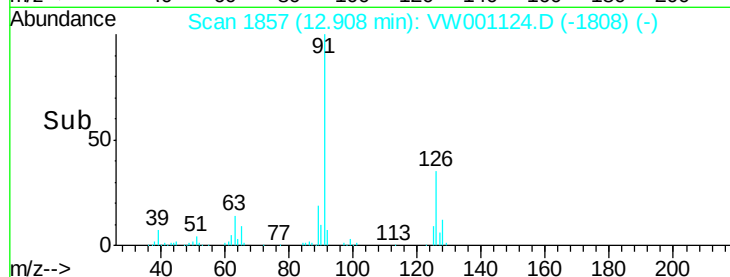
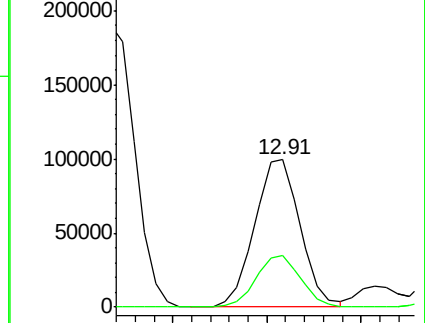
91 100

126 34.6 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.44 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VW001124.D

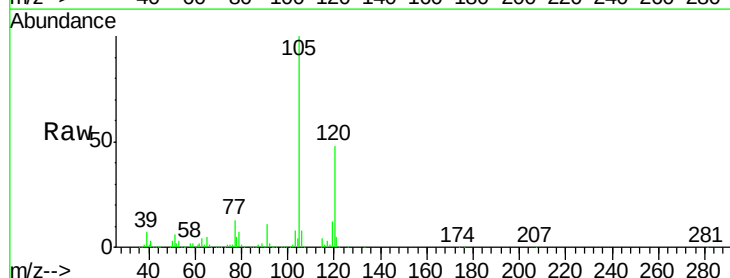
Acq: 29 Jan 2018 17:56

Tgt Ion: 105 Resp: 208292

Ion Ratio Lower Upper

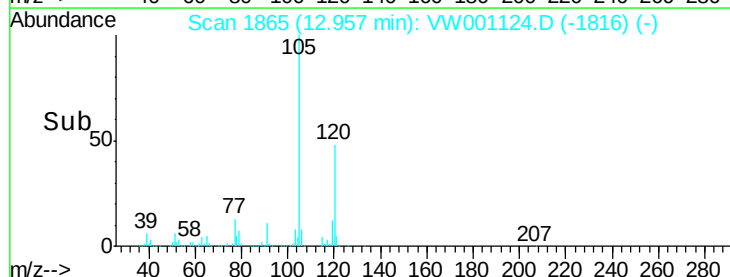
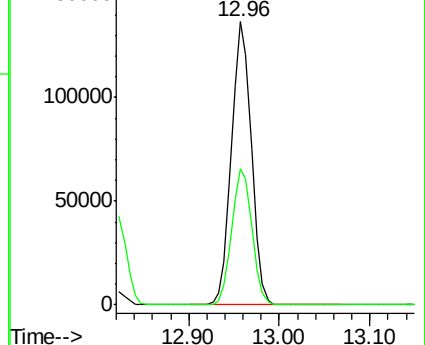
105 100

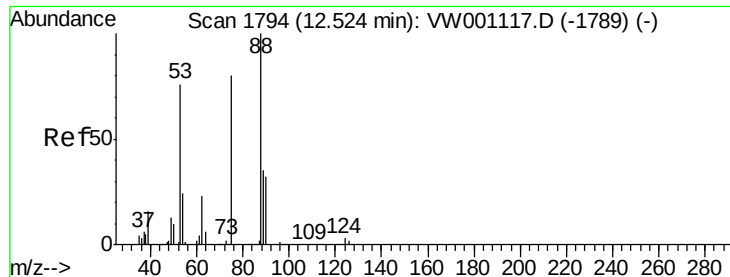
120 48.6 24.9 74.7



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: 20.17 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

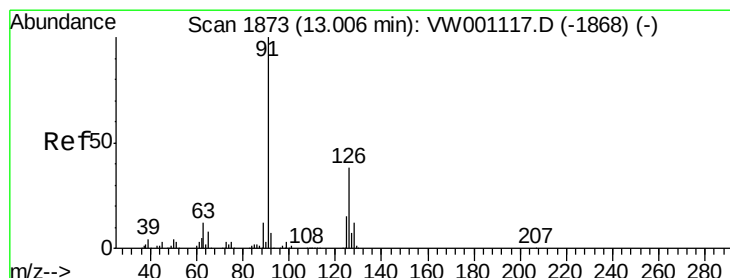
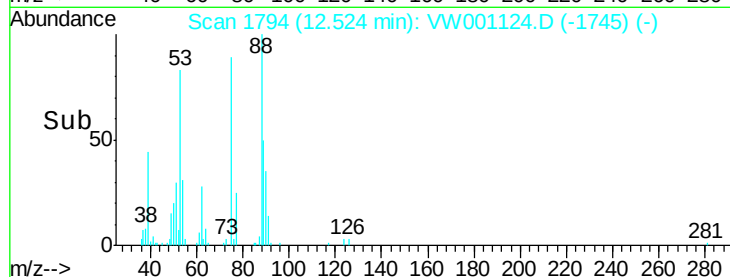
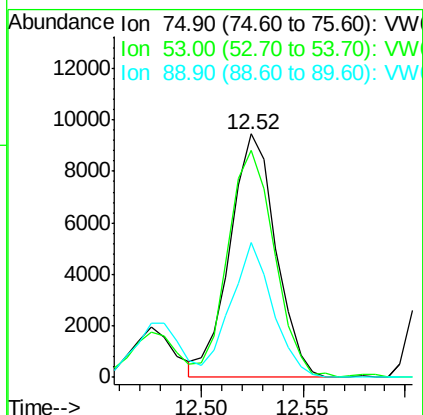
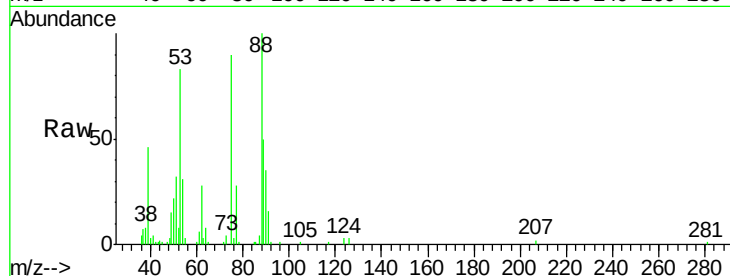
Tgt Ion: 75 Resp: 14783

Ion Ratio Lower Upper

75 100

53 94.7 75.0 112.6

89 50.3 38.2 57.4



#82

4-Chlorotoluene

Concen: 20.34 ug/l

RT: 13.01 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VW001124.D

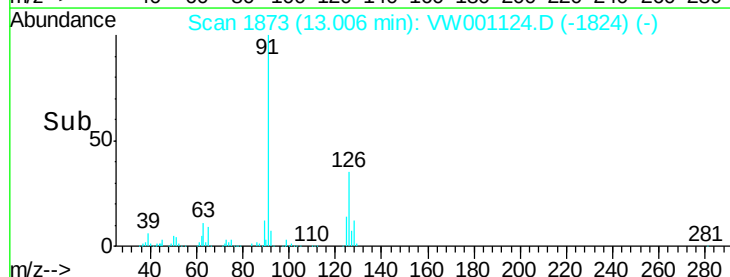
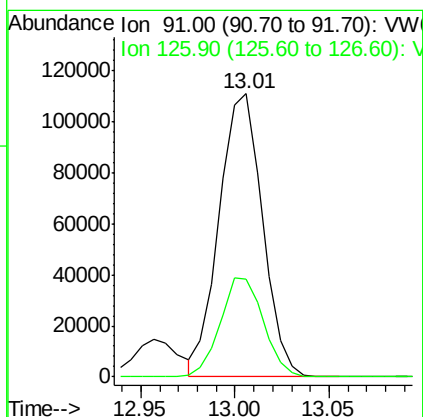
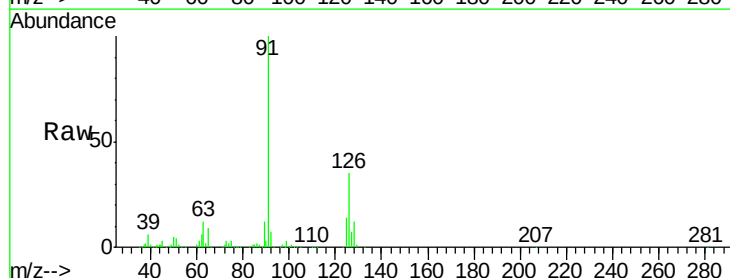
Acq: 29 Jan 2018 17:56

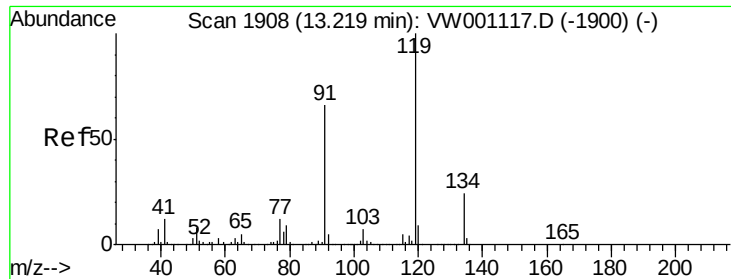
Tgt Ion: 91 Resp: 176949

Ion Ratio Lower Upper

91 100

126 35.0 17.8 53.4

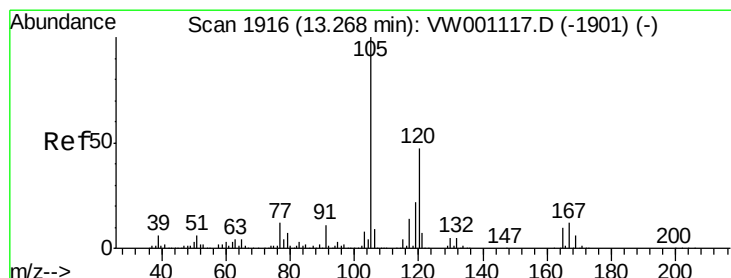
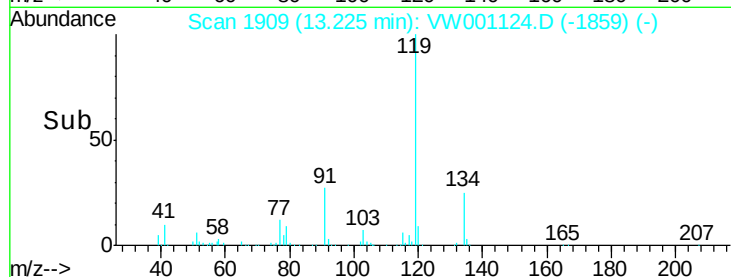
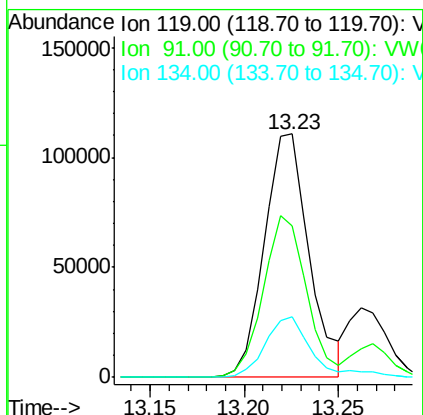
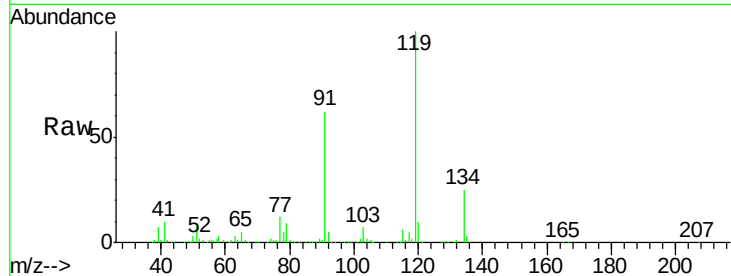




#83
 tert-Butylbenzene
 Concen: 20.27 ug/l
 RT: 13.23 min Scan# 1909
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

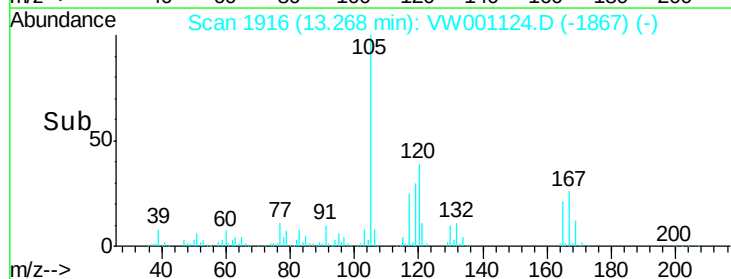
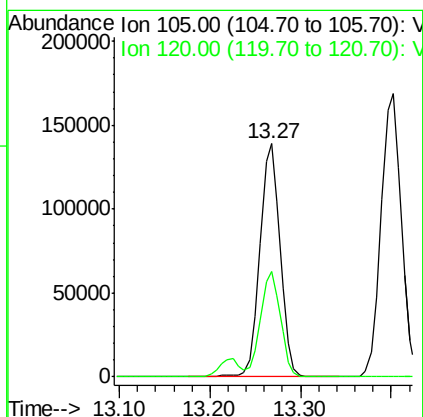
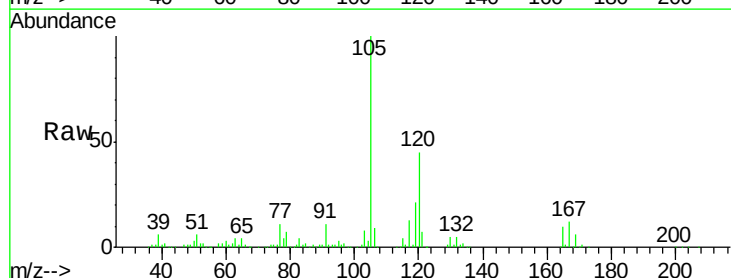
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

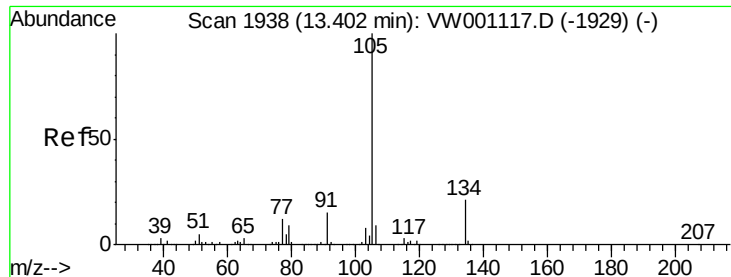
Tgt Ion:119 Resp: 182483
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.9 95.5
 134 25.9 12.7 38.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.70 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion:105 Resp: 214572
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.9 68.8

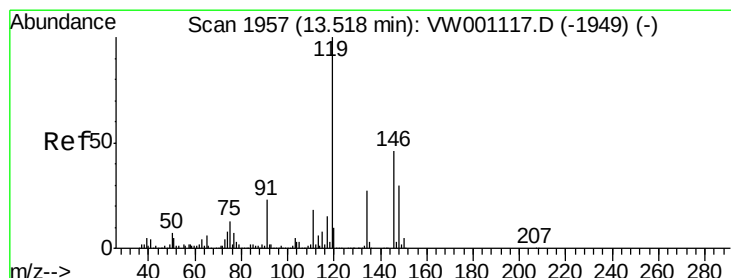
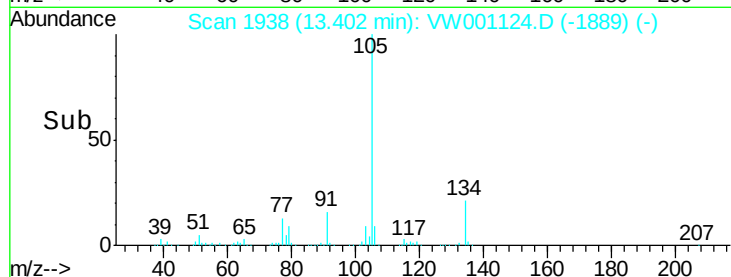
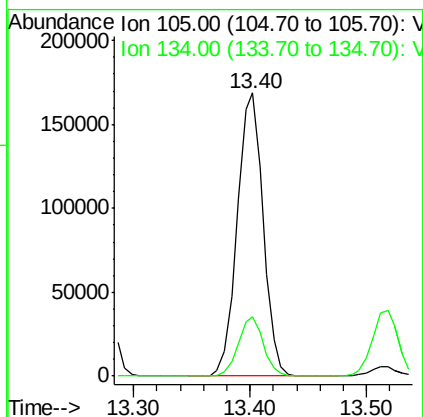
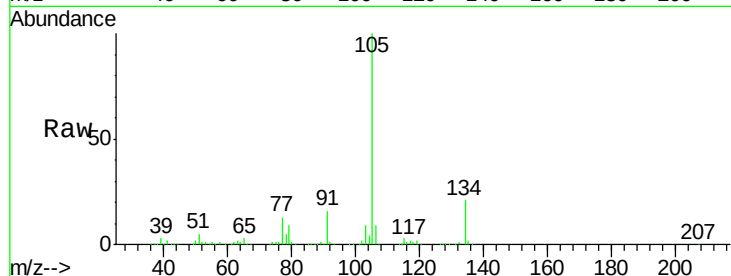




#85
 sec-Butylbenzene
 Concen: 20.51 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

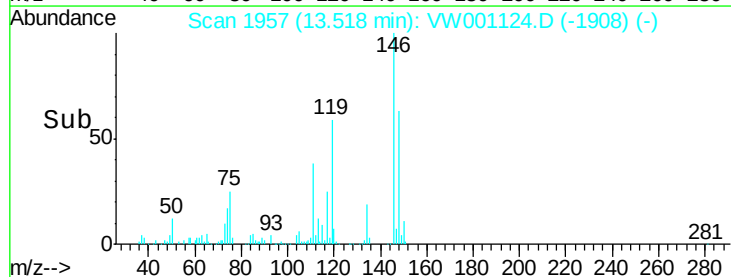
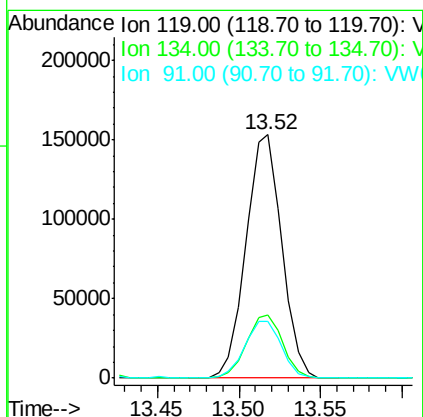
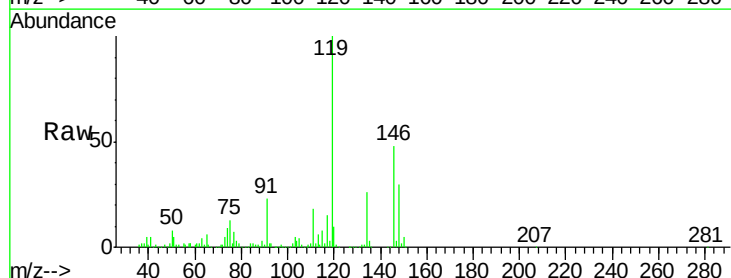
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

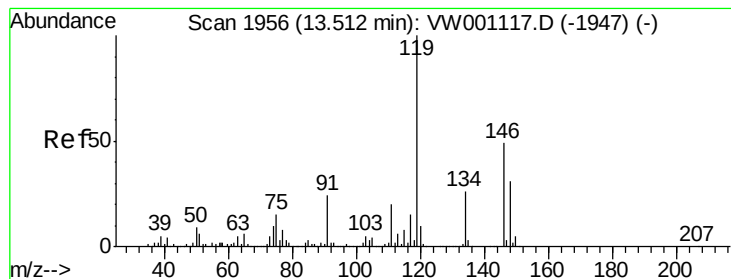
Tgt Ion:105 Resp: 261092
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 20.64 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion:119 Resp: 233702
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.4 40.1
 91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 20.20 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

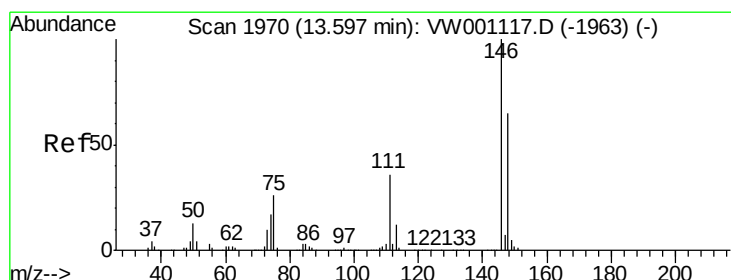
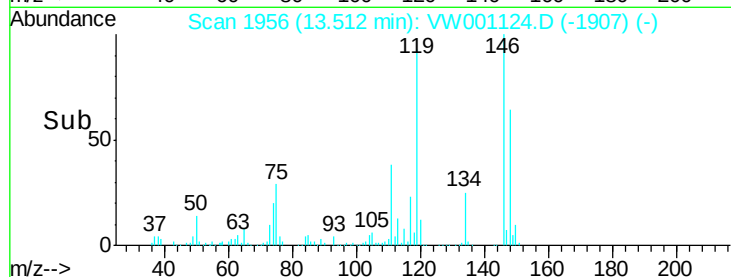
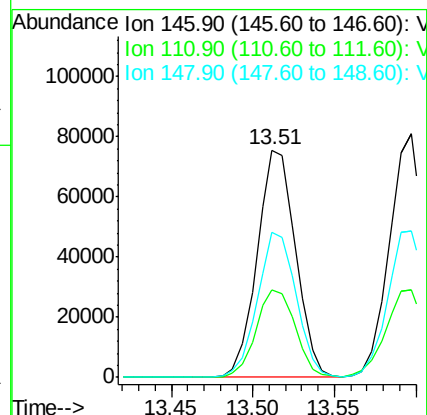
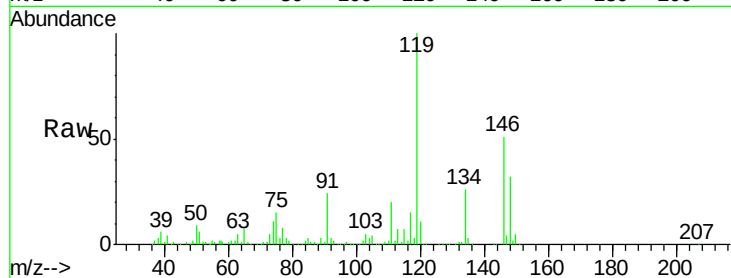
Tgt Ion:146 Resp: 123362

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.1

148 64.0 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 20.23 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

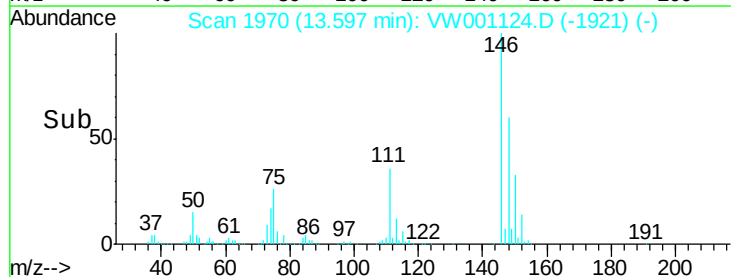
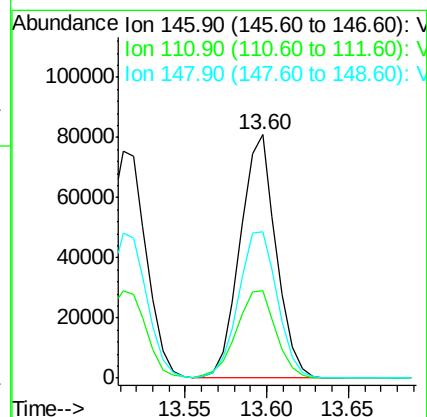
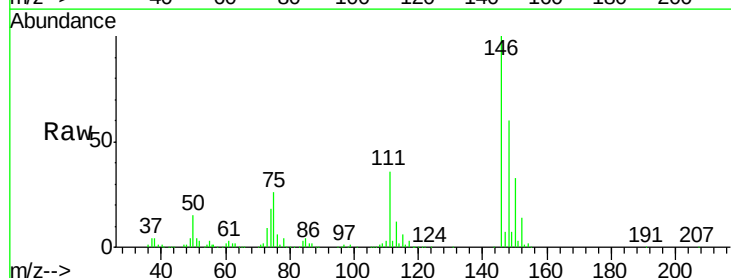
Tgt Ion:146 Resp: 124147

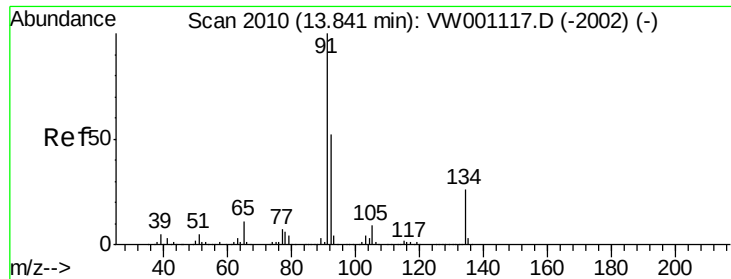
Ion Ratio Lower Upper

146 100

111 39.5 19.1 57.1

148 65.1 32.5 97.5

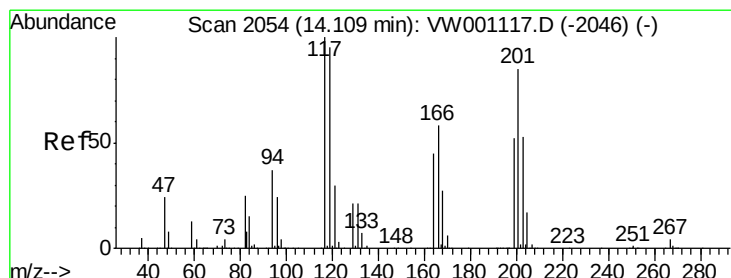
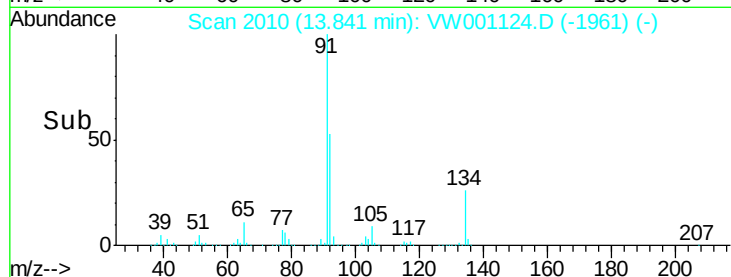
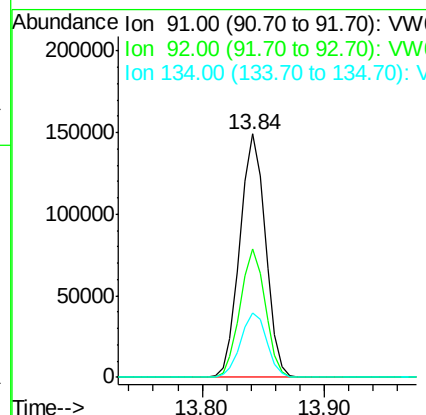
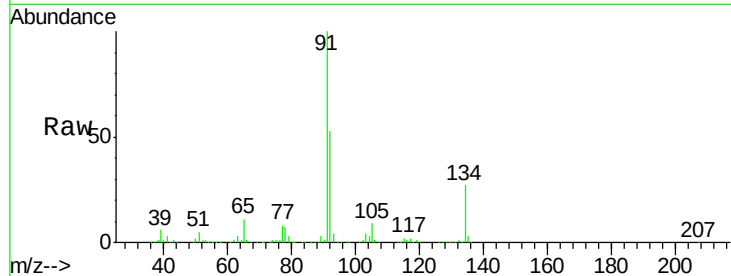




#89
n-Butylbenzene
Concen: 20.51 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

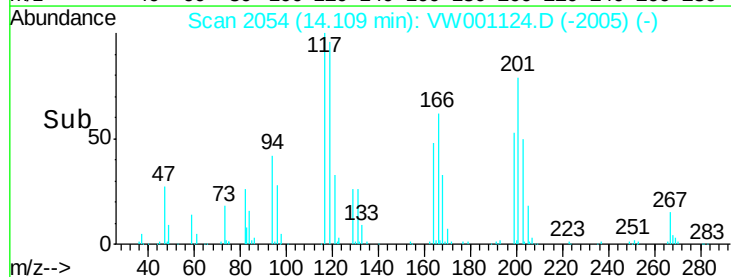
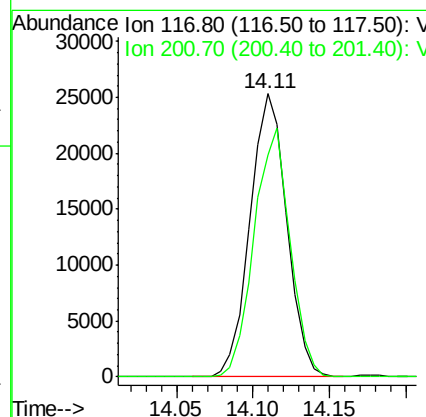
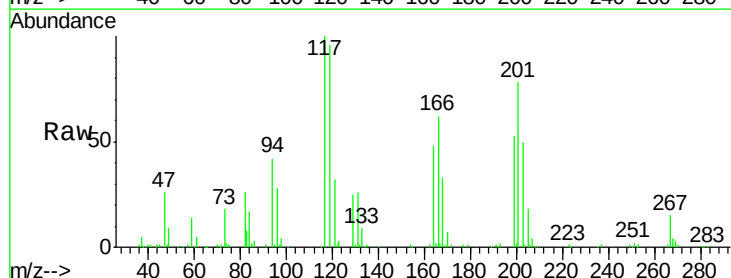
Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

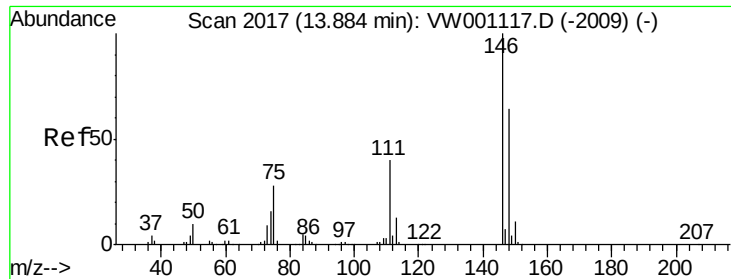
Tgt Ion: 91 Resp: 216352
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 27.1 13.6 40.8



#90
Hexachloroethane
Concen: 20.04 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.00 min
Lab File: VW001124.D
Acq: 29 Jan 2018 17:56

Tgt Ion: 117 Resp: 42316
Ion Ratio Lower Upper
117 100
201 86.3 43.3 129.8

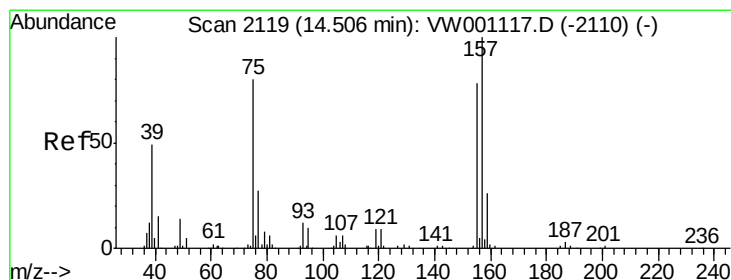
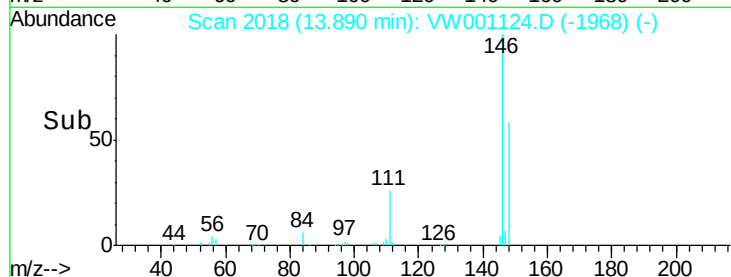
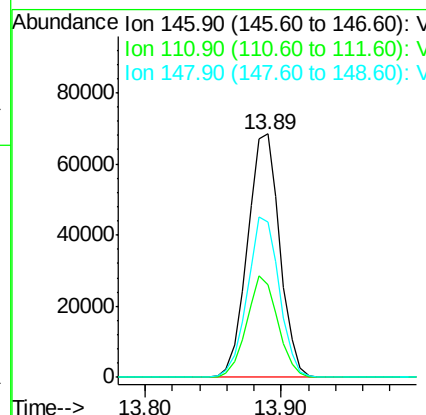
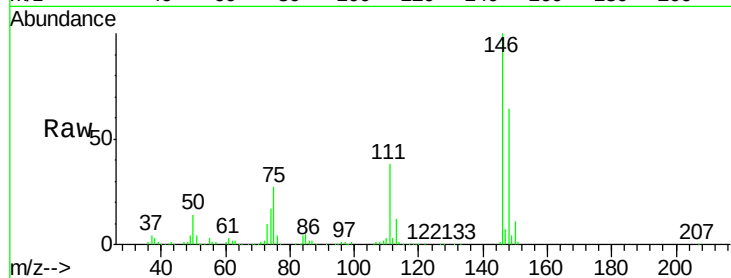




#91
 1,2-Dichlorobenzene
 Concen: 20.30 ug/l
 RT: 13.89 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

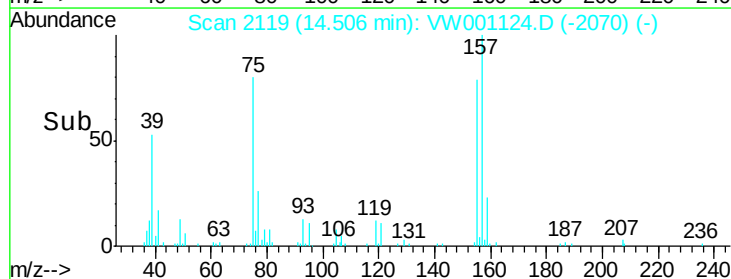
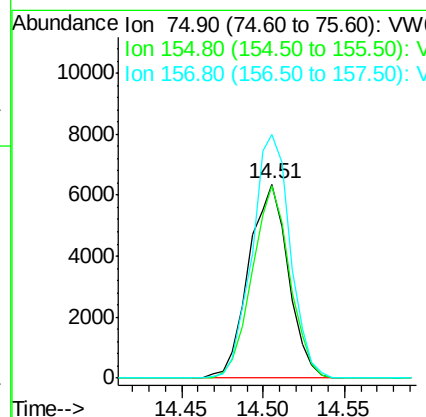
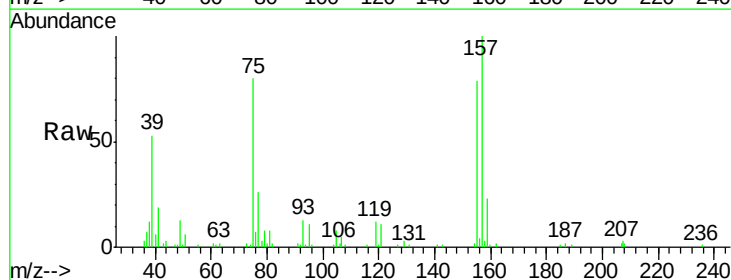
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

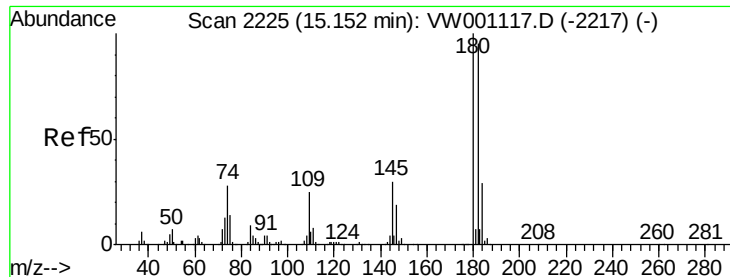
Tgt Ion:146 Resp: 113480
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.2
 148 64.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.79 ug/l
 RT: 14.51 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion: 75 Resp: 10711
 Ion Ratio Lower Upper
 75 100
 155 94.2 46.3 138.9
 157 121.5 60.0 180.0

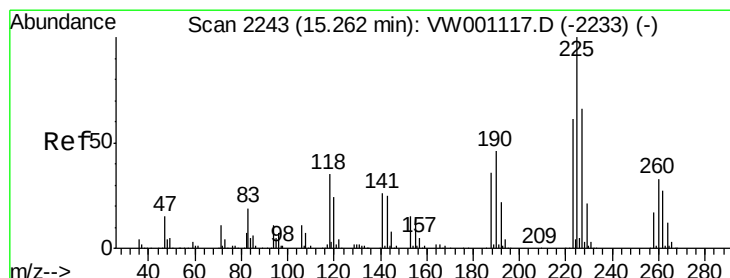
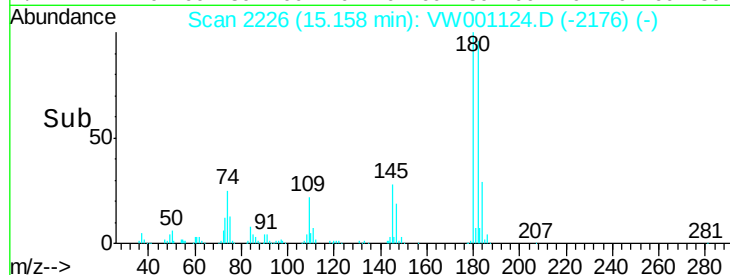
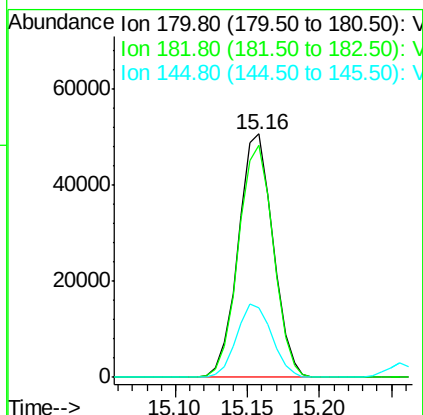
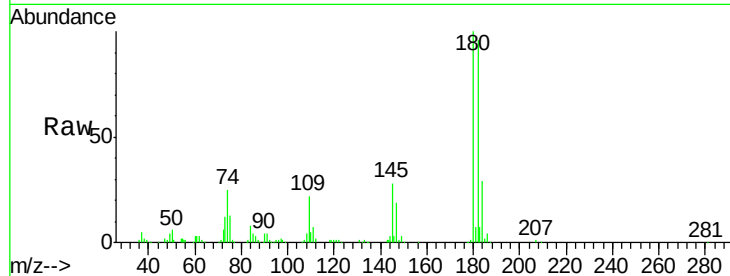




#93
 1,2,4-Trichlorobenzene
 Concen: 20.68 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

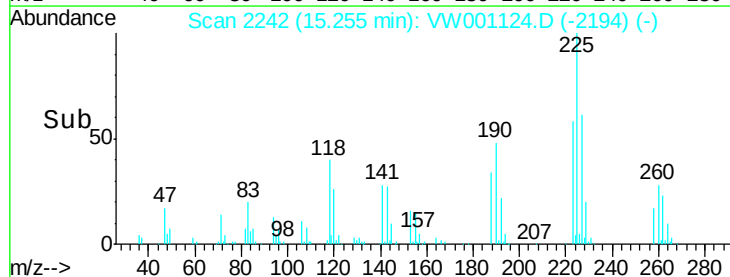
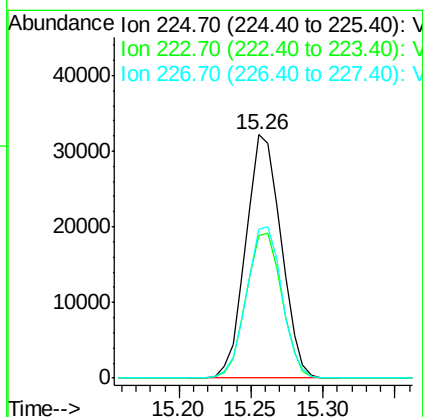
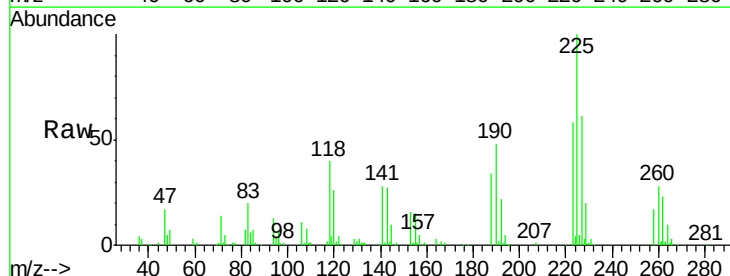
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

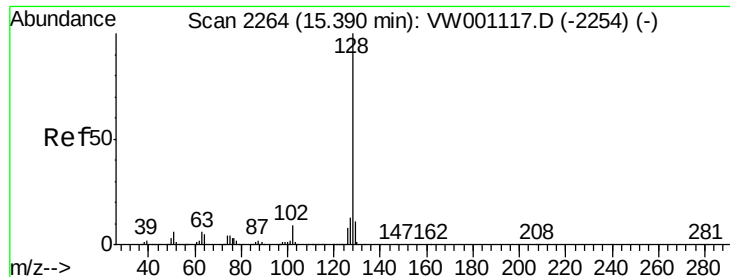
Tgt Ion:180 Resp: 85050
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.6 142.9
 145 30.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.42 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: VW001124.D
 Acq: 29 Jan 2018 17:56

Tgt Ion:225 Resp: 54489
 Ion Ratio Lower Upper
 225 100
 223 60.3 31.1 93.3
 227 62.1 32.6 97.8





#95

Naphthalene

Concen: 21.57 ug/l

RT: 15.39 min Scan# 2264

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

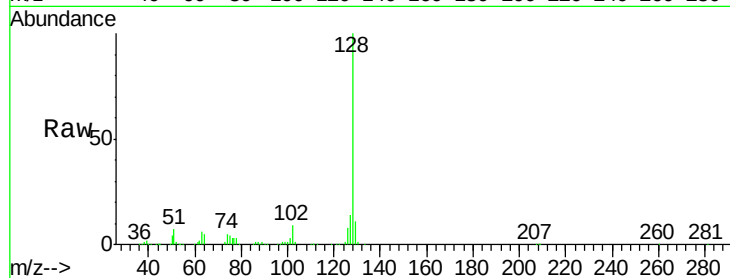
Tgt Ion:128 Resp: 175005

Ion Ratio Lower Upper

128 100

127 13.2 10.7 16.1

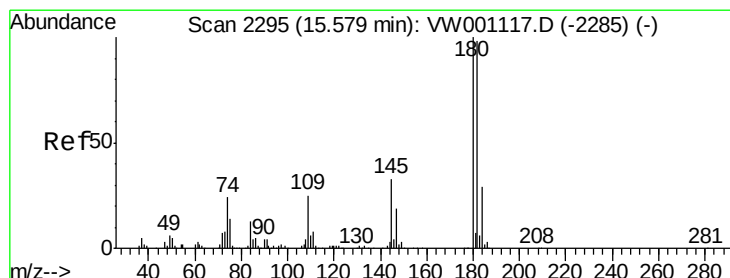
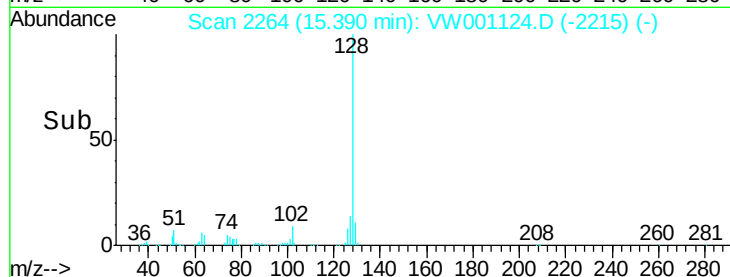
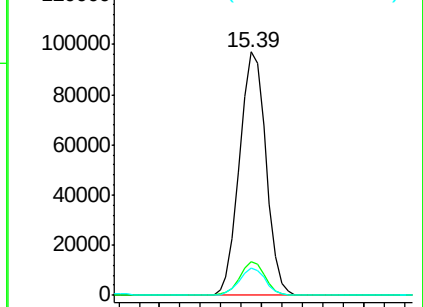
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.17 ug/l

RT: 15.58 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VW001124.D

Acq: 29 Jan 2018 17:56

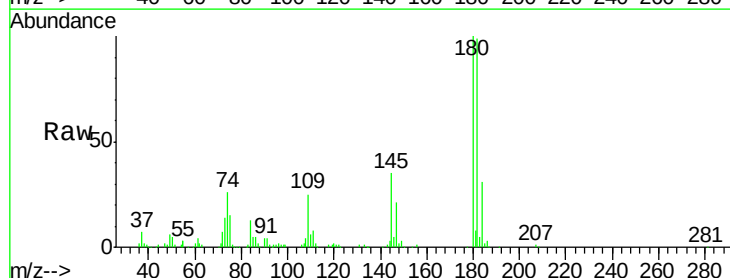
Tgt Ion:180 Resp: 80289

Ion Ratio Lower Upper

180 100

182 94.3 48.7 146.1

145 32.0 16.0 47.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

