

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW050818\
 Data File : VW002289.D
 Acq On : 08 May 2018 13:07
 Operator : JC/SY
 Sample : VW0508SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

Quant Time: May 08 16:10:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	266055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	382300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	343636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	182664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	119696	42.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.74%	
35) Dibromofluoromethane	7.88	113	117037	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
50) Toluene-d8	10.33	98	471462	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.63	95	164110	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24221	24.09	ug/l	95
3) Chloromethane	2.21	50	42833	20.98	ug/l	97
4) Vinyl Chloride	2.36	62	62678	18.61	ug/l	97
5) Bromomethane	2.77	94	52502	19.38	ug/l	98
6) Chloroethane	2.92	64	45255	19.92	ug/l	95
7) Trichlorofluoromethane	3.25	101	33236	24.17	ug/l	95
8) Diethyl Ether	3.67	74	24170	15.70	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	50053	20.61	ug/l	98
10) Methyl Iodide	4.26	142	76574	19.43	ug/l	100
11) Tert butyl alcohol	5.18	59	16976	82.66	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	48891	20.30	ug/l	96
13) Acrolein	3.88	56	15277	88.85	ug/l	97
14) Allyl chloride	4.65	41	71937	20.33	ug/l	98
15) Acrylonitrile	5.36	53	45611	75.53	ug/l	99
16) Acetone	4.12	43	57805	104.76	ug/l	100
17) Carbon Disulfide	4.37	76	141948	20.27	ug/l	99
18) Methyl Acetate	4.67	43	23669	14.30	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	71458	16.97	ug/l	94
20) Methylene Chloride	4.91	84	48417	18.20	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	51109	19.66	ug/l	98
22) Diisopropyl ether	6.31	45	137891	17.78	ug/l	99
23) Vinyl Acetate	6.25	43	399998	86.11	ug/l	99
24) 1,1-Dichloroethane	6.20	63	88587	18.83	ug/l	99
25) 2-Butanone	7.17	43	64269	78.44	ug/l	95
26) 2,2-Dichloropropane	7.16	77	56033	23.90	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	55001	18.77	ug/l	97
28) Bromochloromethane	7.51	49	35905	16.88	ug/l	99
29) Tetrahydrofuran	7.53	42	38338	71.35	ug/l	99
30) Chloroform	7.67	83	91640	18.61	ug/l	98
31) Cyclohexane	7.95	56	86749	20.66	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	75570	20.42	ug/l	97
36) 1,1-Dichloropropene	8.08	75	75447	21.82	ug/l	100
37) Ethyl Acetate	7.25	43	28194	16.73	ug/l	99
38) Carbon Tetrachloride	8.07	117	73935	22.11	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	91568	22.69	ug/l	98
40) Benzene	8.32	78	205691	20.35	ug/l	99
41) Methacrylonitrile	7.48	41	15903	16.47	ug/l	93
42) 1,2-Dichloroethane	8.40	62	57474	18.23	ug/l	98
43) Isopropyl Acetate	8.43	43	51142	16.00	ug/l	98
44) Trichloroethene	9.09	130	57376	20.82	ug/l	97
45) 1,2-Dichloropropane	9.37	63	49414	19.51	ug/l	98
46) Dibromomethane	9.46	93	25186	17.79	ug/l	99
47) Bromodichloromethane	9.65	83	62541	18.72	ug/l	96
48) Methyl methacrylate	9.44	41	24880	16.03	ug/l	97
49) 1,4-Dioxane	9.45	88	7694	342.18	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	135810	77.02	ug/l	99
52) Toluene	10.39	92	132703	20.67	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	61436	18.71	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	73955	19.70	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	35389	17.76	ug/l	97
56) Ethyl methacrylate	10.65	69	41365	16.79	ug/l	99
57) 1,3-Dichloropropane	10.94	76	60798	17.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	96629	80.81	ug/l	98
59) 2-Hexanone	10.98	43	100263	83.12	ug/l	99
60) Dibromochloromethane	11.13	129	42572	18.10	ug/l	99
61) 1,2-Dibromoethane	11.24	107	33709	17.30	ug/l	98
64) Tetrachloroethene	10.87	164	50281	19.01	ug/l	98
65) Chlorobenzene	11.66	112	146202	20.82	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	49920	19.95	ug/l	98
67) Ethyl Benzene	11.74	91	257568	21.34	ug/l	100
68) m/p-Xylenes	11.85	106	200591	43.08	ug/l	99
69) o-Xylene	12.18	106	93969	21.22	ug/l	97
70) Styrene	12.19	104	148891	20.25	ug/l	99
71) Bromoform	12.36	173	24872	17.33	ug/l	# 97
73) Isopropylbenzene	12.48	105	261279	22.02	ug/l	100
74) N-amyl acetate	12.29	43	48592	16.37	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	39997	17.44	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	30065m	18.56	ug/l	
77) Bromobenzene	12.76	156	60152	20.11	ug/l	99
78) n-propylbenzene	12.82	91	316038	22.47	ug/l	99
79) 2-Chlorotoluene	12.90	91	173106	21.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	219842	22.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	11091	18.04	ug/l	93
82) 4-Chlorotoluene	13.00	91	184741	21.45	ug/l	99
83) tert-Butylbenzene	13.22	119	193899	22.56	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	225664	21.81	ug/l	99
85) sec-Butylbenzene	13.40	105	278768	22.72	ug/l	100
86) p-Isopropyltoluene	13.51	119	248730	22.67	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	125375	21.18	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	122630	20.75	ug/l	99
89) n-Butylbenzene	13.83	91	237530	23.14	ug/l	99
90) Hexachloroethane	14.11	117	42775	21.81	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	109246	20.34	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6538	16.49	ug/l	96

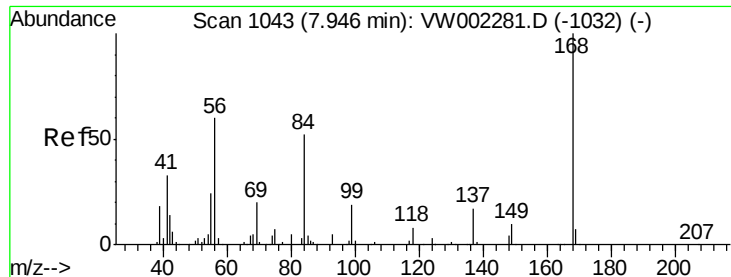
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	80547	20.98	ug/l	98
94) Hexachlorobutadiene	15.26	225	48596	22.72	ug/l	99
95) Naphthalene	15.38	128	128618	18.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	68533	19.90	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

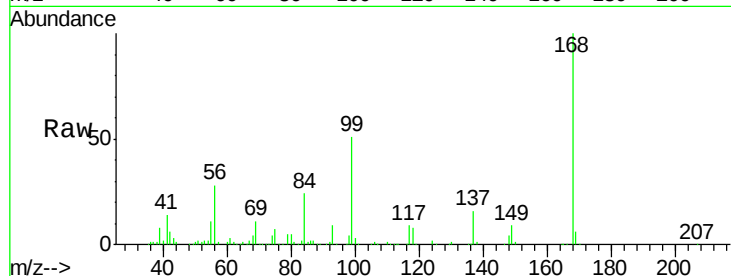
VW0508SBS01

Tot Ion:168 Resp: 266055

Ion Ratio Lower Upper

168 100

99 51.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

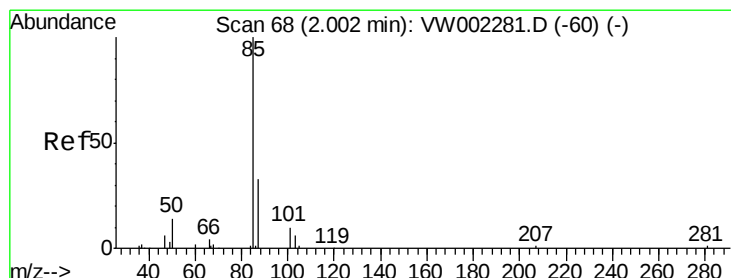
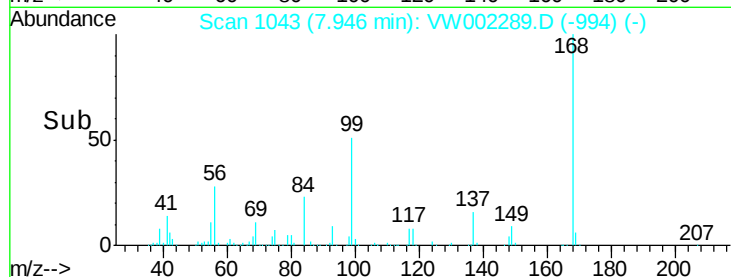
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 24.09 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002289.D

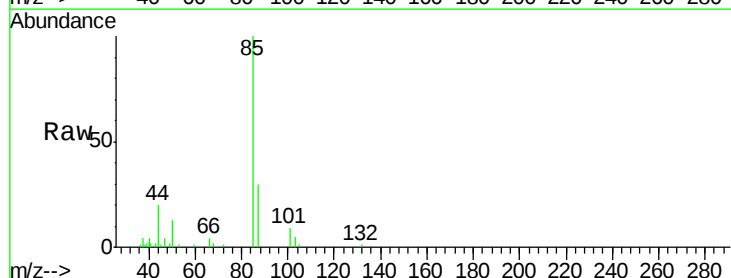
Acq: 08 May 2018 13:07

Tgt Ion: 85 Resp: 24221

Ion Ratio Lower Upper

85 100

87 30.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

8000

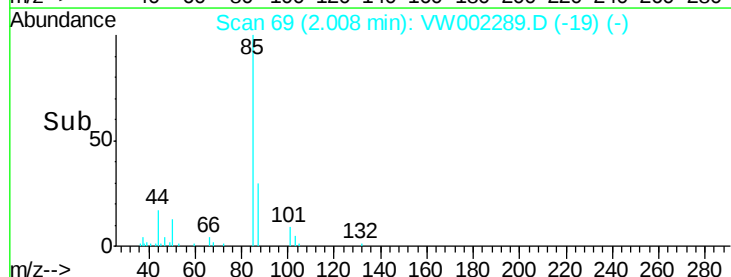
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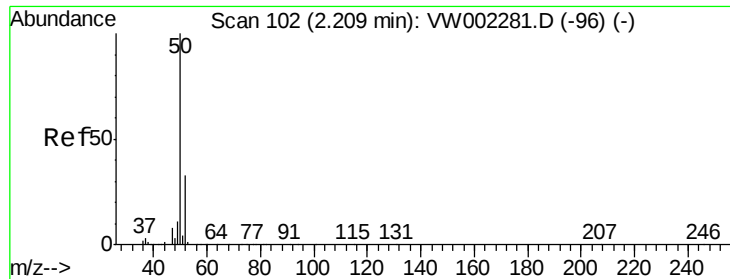
4000

2000

0

Time-->





#3

Chloromethane

Concen: 20.98 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

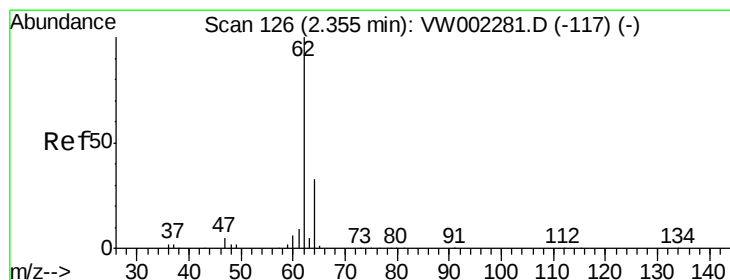
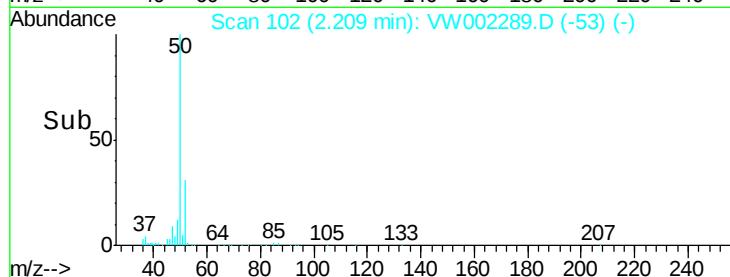
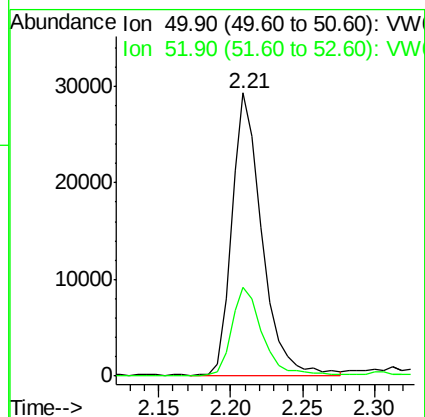
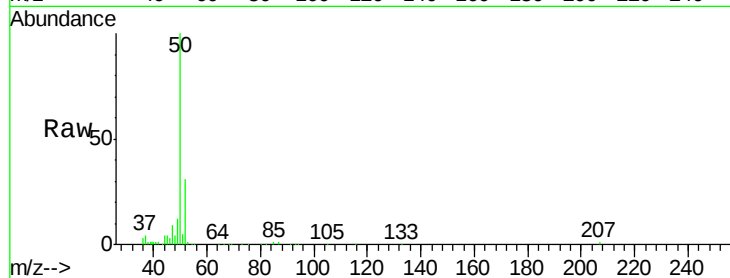
VW0508SBS01

Tot Ion: 50 Resp: 42833

Ion Ratio Lower Upper

50 100

52 31.5 26.5 39.7



#4

Vinyl Chloride

Concen: 18.61 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002289.D

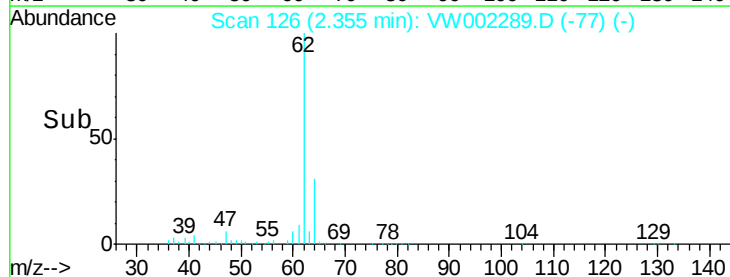
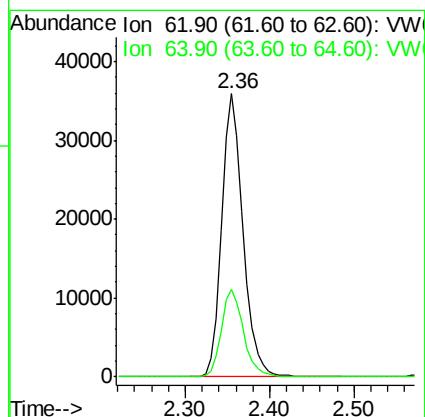
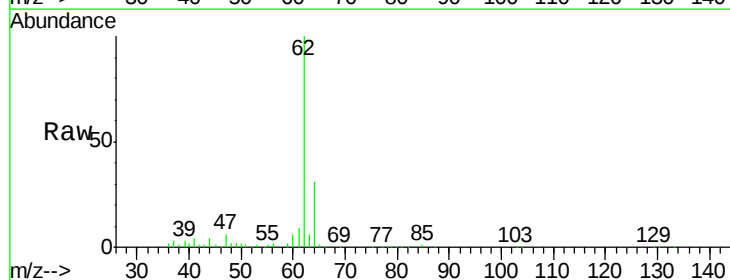
Acq: 08 May 2018 13:07

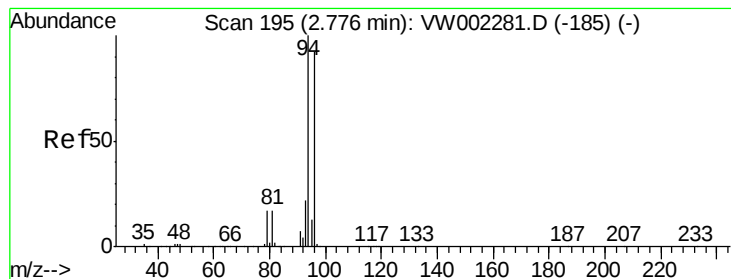
Tgt Ion: 62 Resp: 62678

Ion Ratio Lower Upper

62 100

64 30.8 26.1 39.1





#5

Bromomethane

Concen: 19.38 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

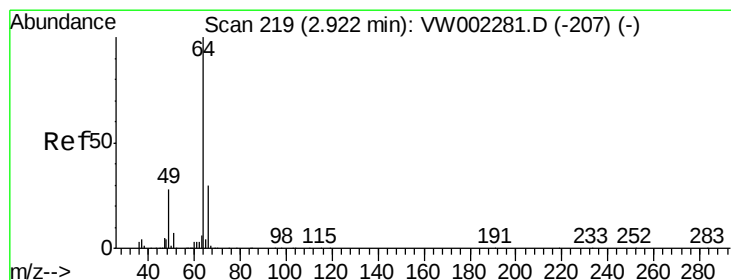
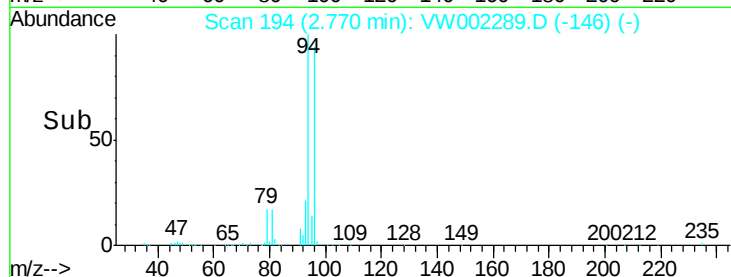
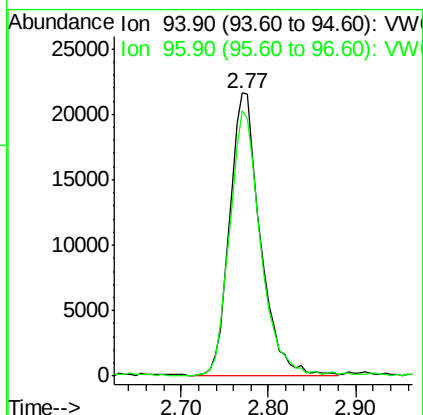
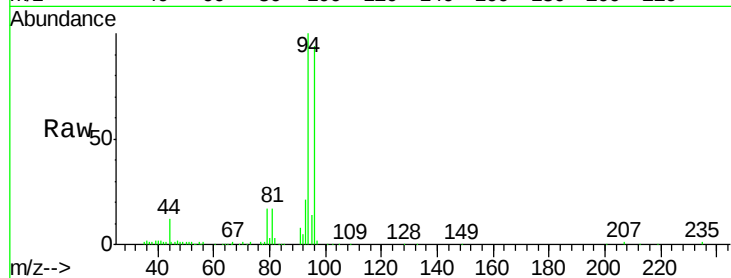
VW0508SBS01

Tot Ion: 94 Resp: 52502

Ion Ratio Lower Upper

94 100

96 93.5 73.6 110.4



#6

Chloroethane

Concen: 19.92 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002289.D

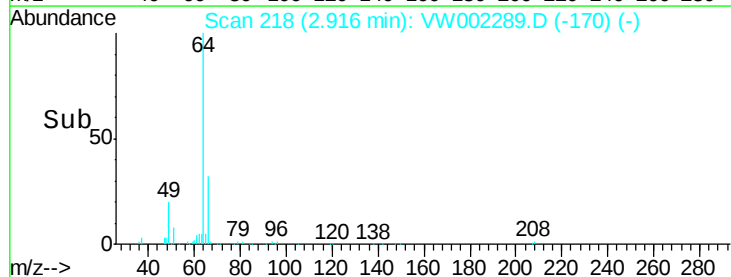
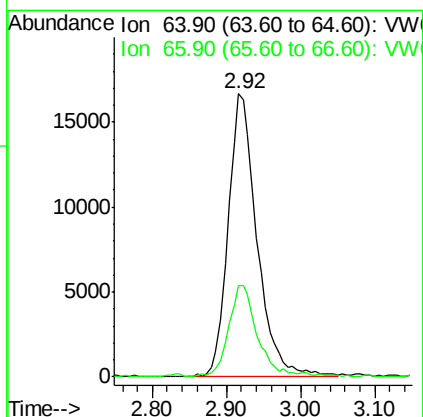
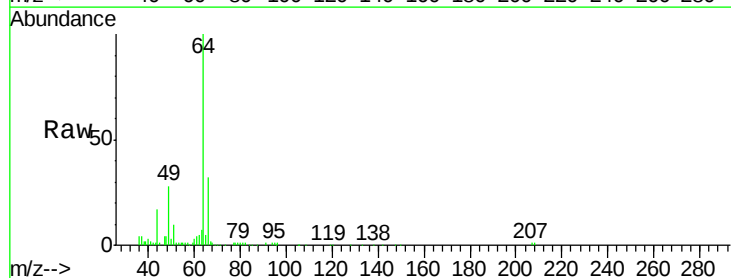
Acq: 08 May 2018 13:07

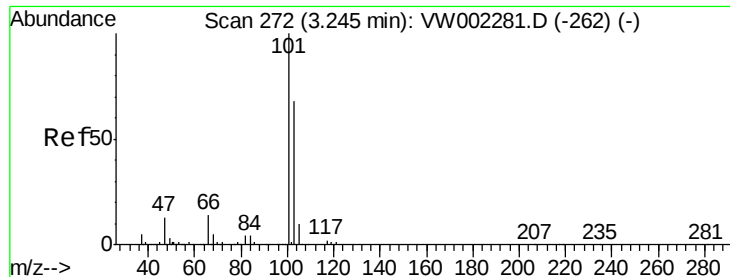
Tgt Ion: 64 Resp: 45255

Ion Ratio Lower Upper

64 100

66 32.4 23.8 35.6



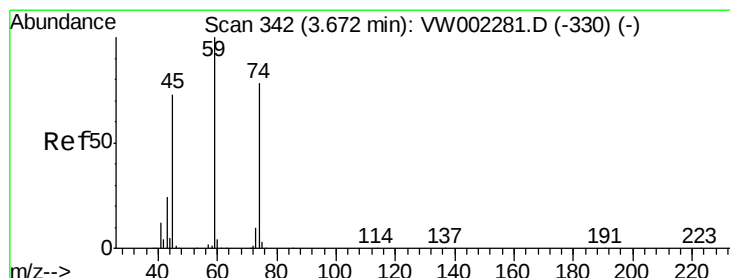
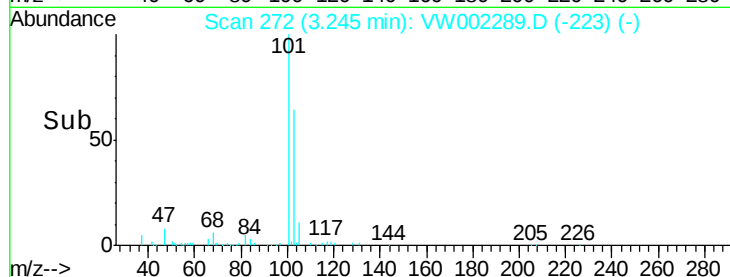
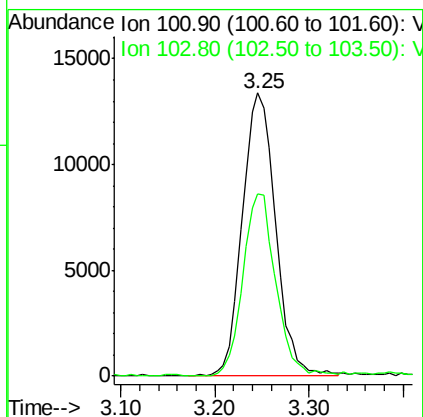
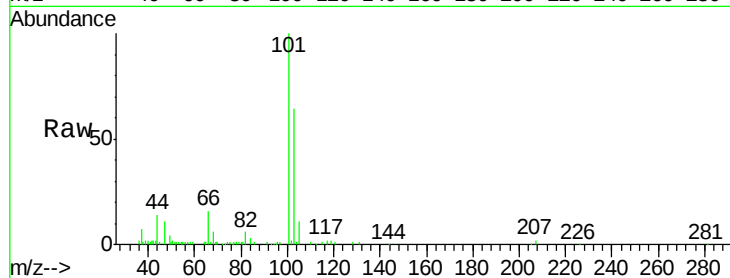


#7

Trichlorofluoromethane
 Concen: 24.17 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW002289.D
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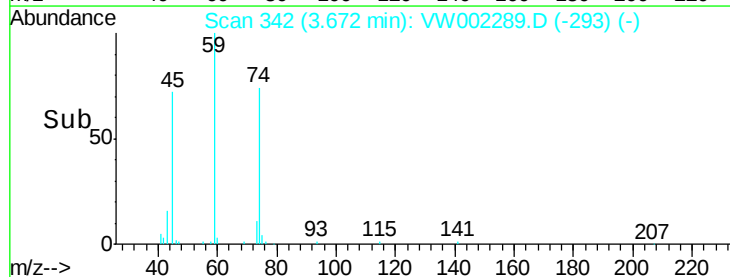
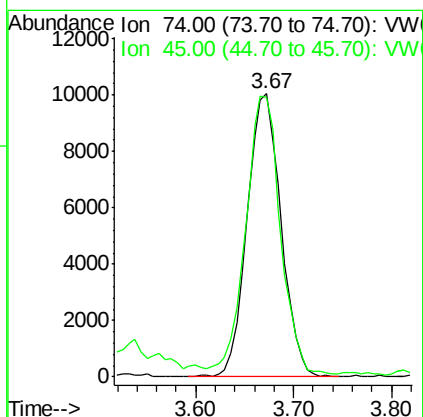
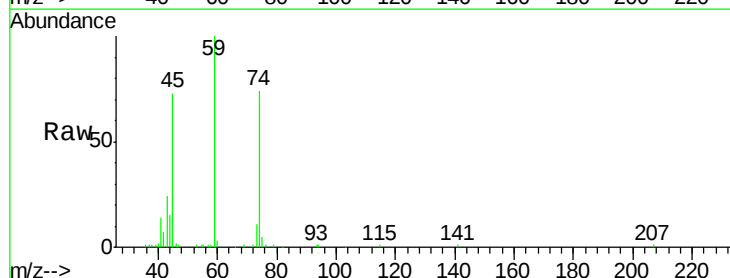
Tot Ion:101 Resp: 33236
 Ion Ratio Lower Upper
 101 100
 103 64.2 54.6 82.0

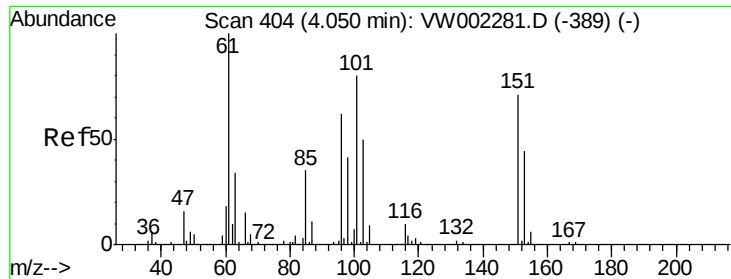


#8

Diethyl Ether
 Concen: 15.70 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion: 74 Resp: 24170
 Ion Ratio Lower Upper
 74 100
 45 100.7 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

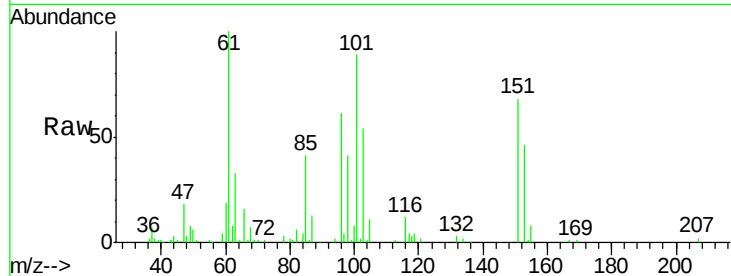
Tot Ion:101 Resp: 50053

Ion Ratio Lower Upper

101 100

85 43.9 35.9 53.9

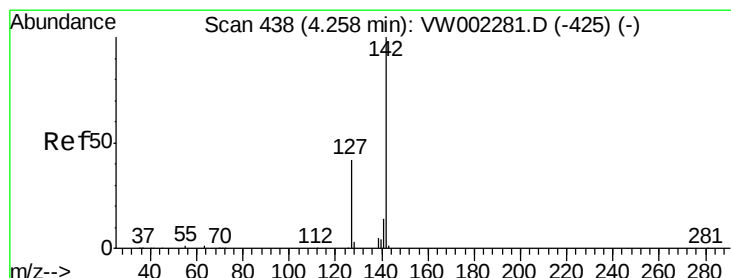
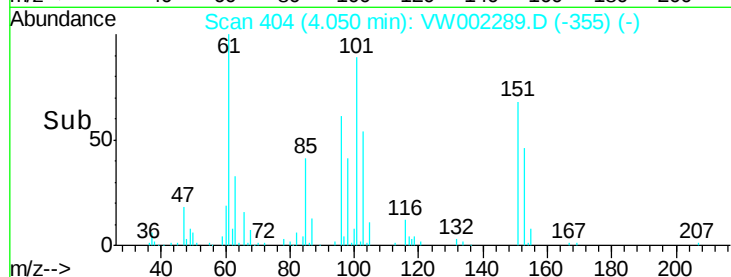
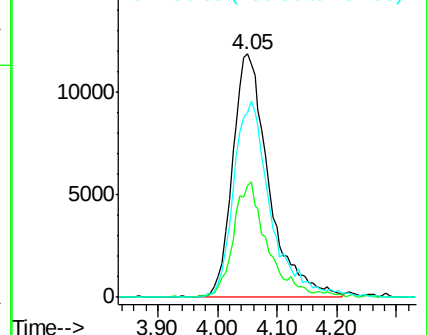
151 80.5 65.4 98.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.43 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

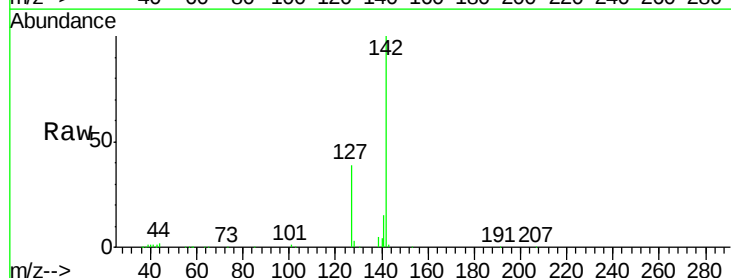
Tgt Ion:142 Resp: 76574

Ion Ratio Lower Upper

142 100

127 43.3 34.7 52.1

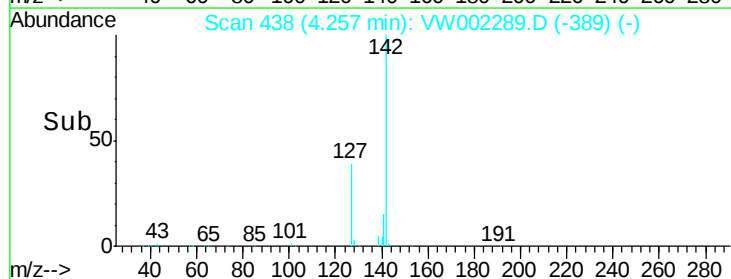
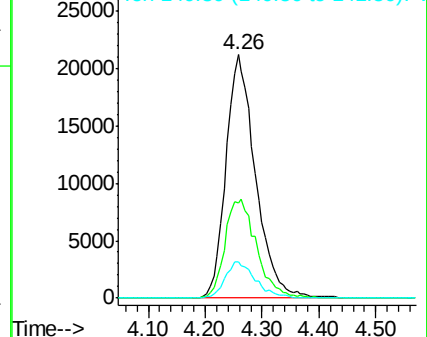
141 15.4 11.9 17.9

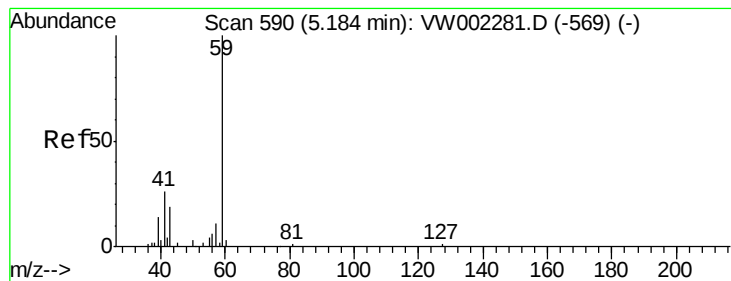


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 82.66 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

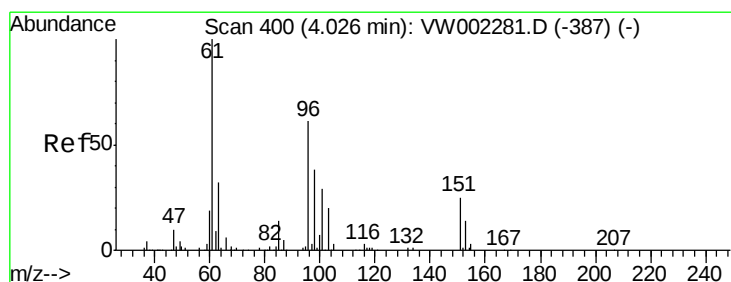
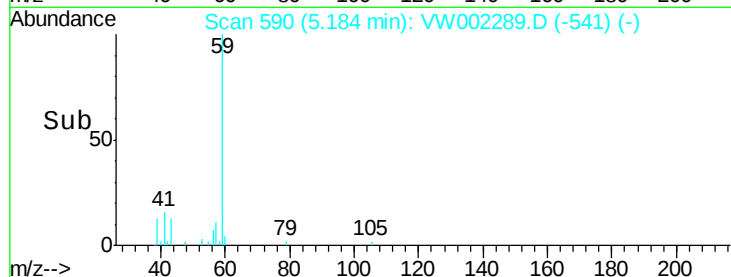
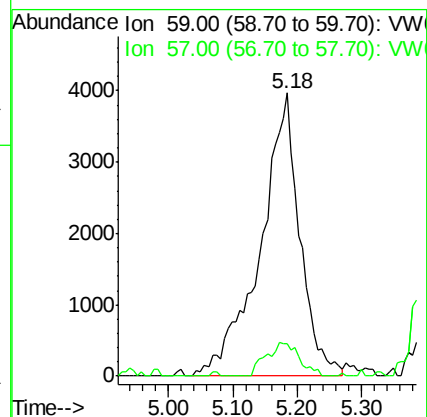
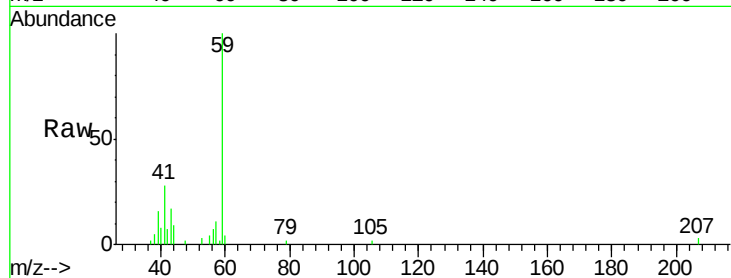
VW0508SBS01

Tot Ion: 59 Resp: 16976

Ion Ratio Lower Upper

59 100

57 9.9 3.9 5.9#



#12

1,1-Dichloroethene

Concen: 20.30 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

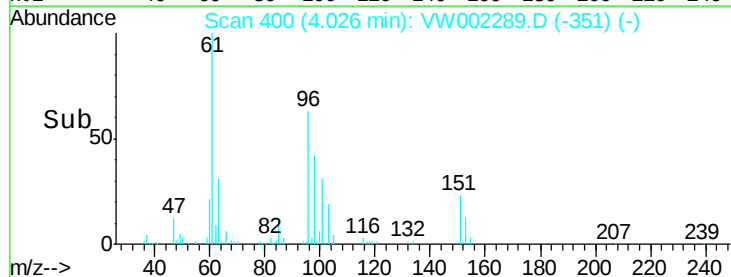
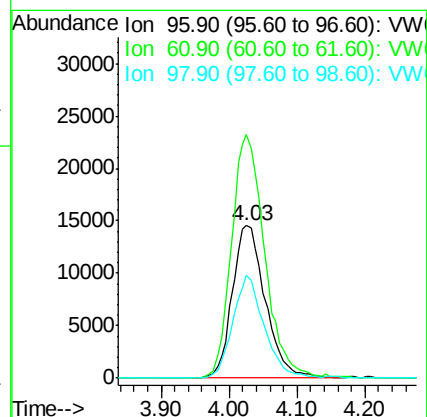
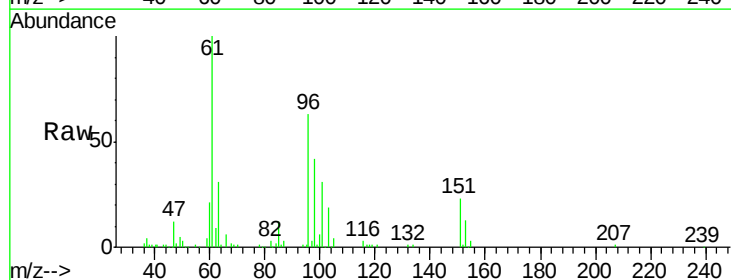
Tgt Ion: 96 Resp: 48891

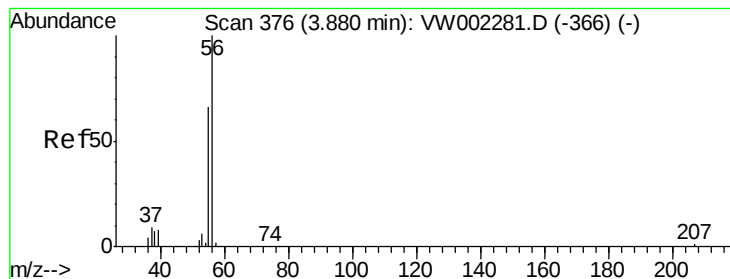
Ion Ratio Lower Upper

96 100

61 159.6 130.6 196.0

98 67.4 49.0 73.4





#13

Acrolein

Concen: 88.85 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

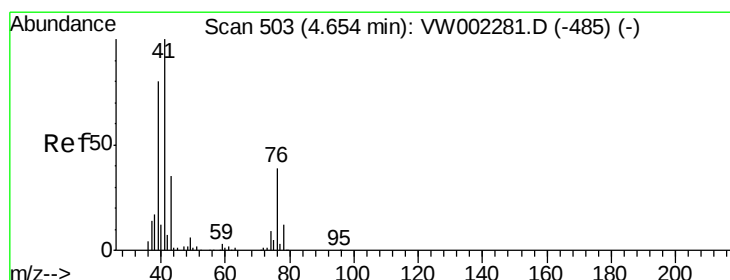
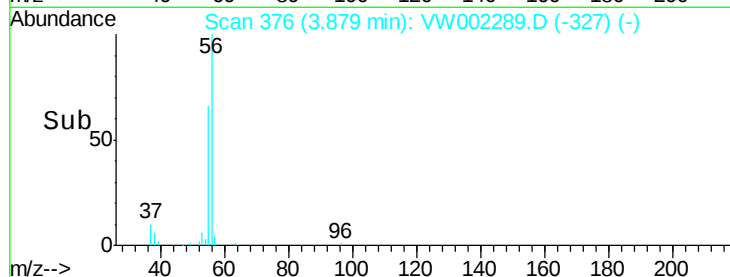
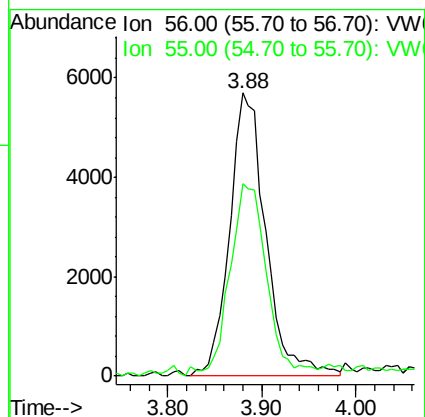
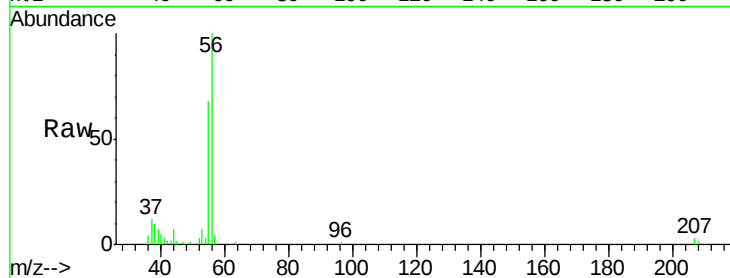
VW0508SBS01

Tot Ion: 56 Resp: 15277

Ion Ratio Lower Upper

56 100

55 69.5 57.3 85.9



#14

Allyl chloride

Concen: 20.33 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

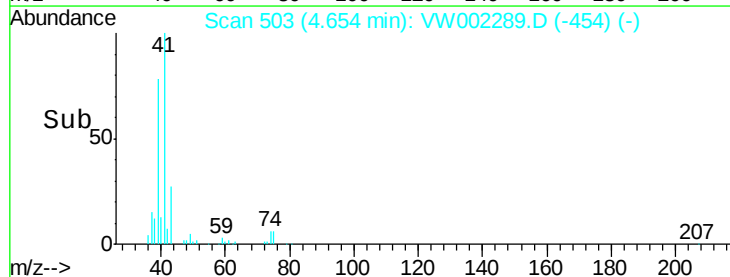
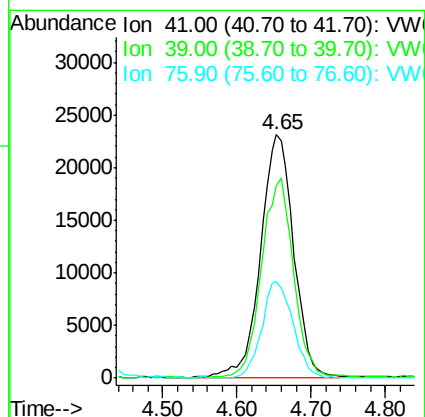
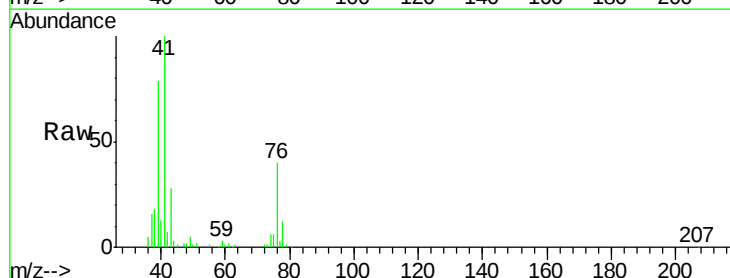
Tgt Ion: 41 Resp: 71937

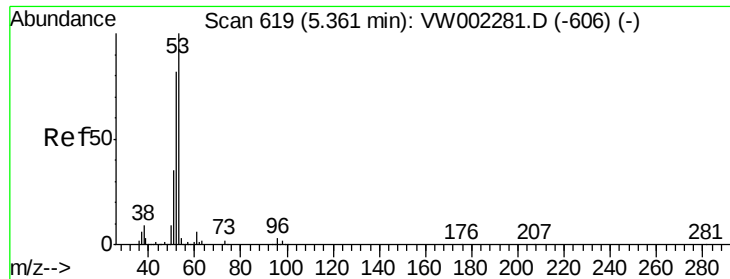
Ion Ratio Lower Upper

41 100

39 79.3 61.7 92.5

76 37.6 29.8 44.6





#15

Acrylonitrile

Concen: 75.53 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

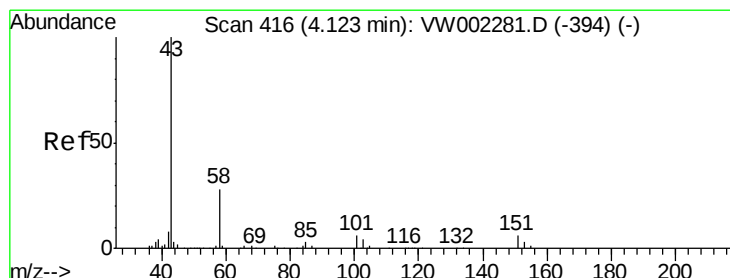
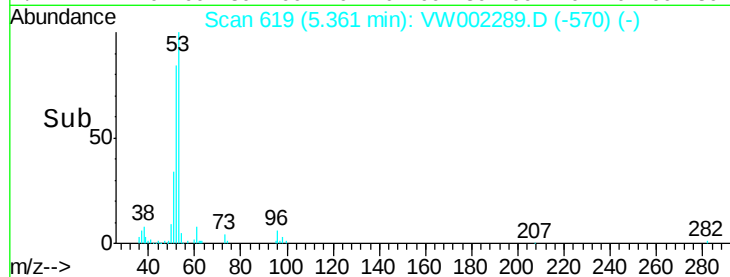
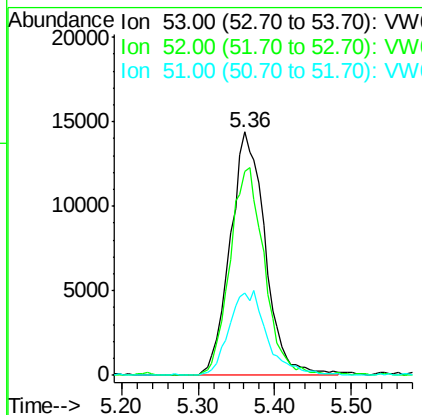
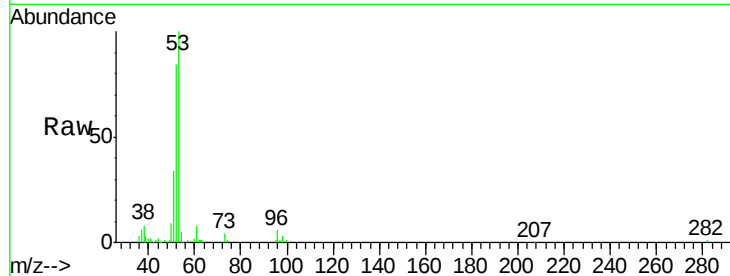
Tot Ion: 53 Resp: 45611

Ion Ratio Lower Upper

53 100

52 84.1 67.9 101.9

51 37.2 30.0 45.0



#16

Acetone

Concen: 104.76 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002289.D

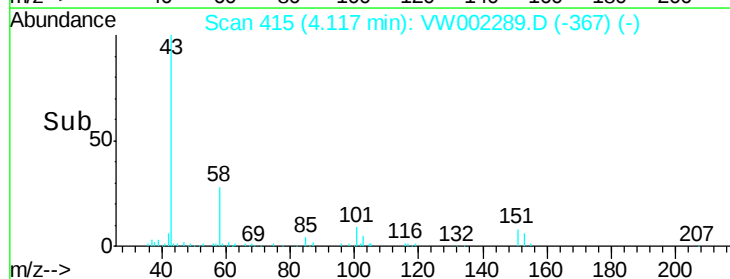
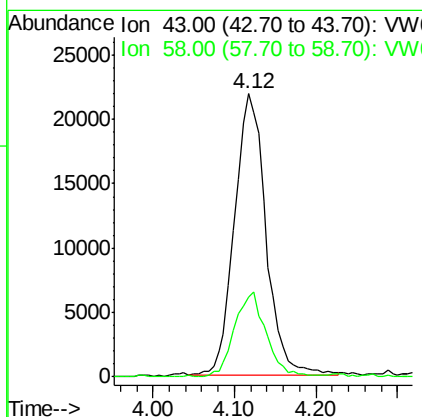
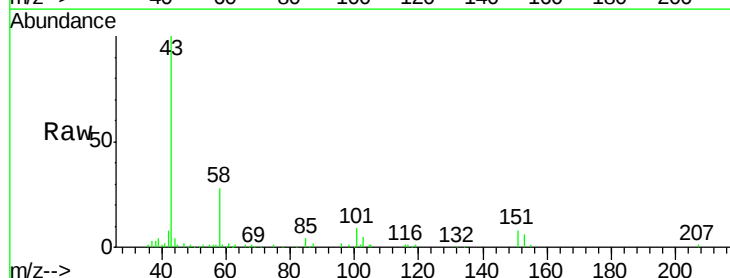
Acq: 08 May 2018 13:07

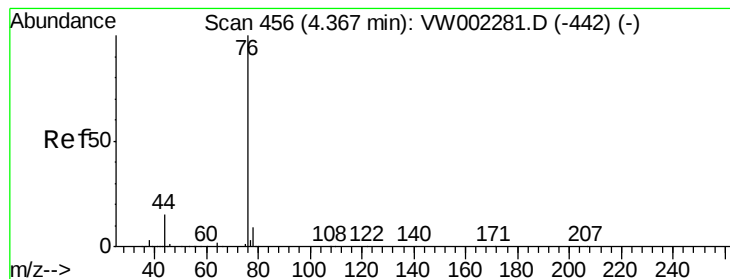
Tgt Ion: 43 Resp: 57805

Ion Ratio Lower Upper

43 100

58 27.9 22.2 33.4





#17

Carbon Disulfide

Concen: 20.27 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

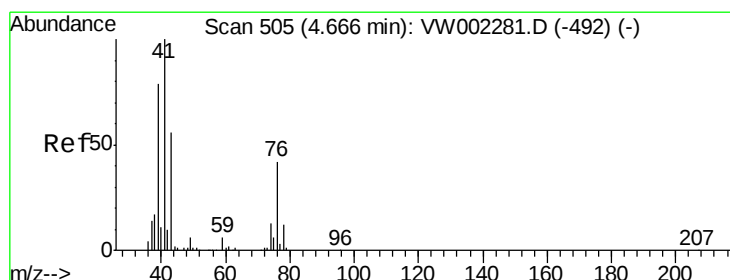
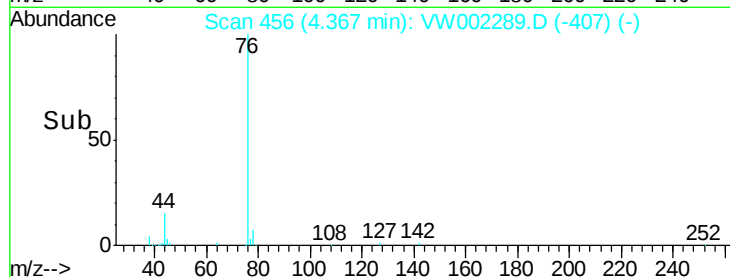
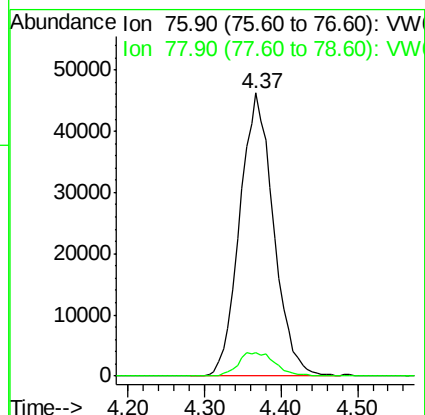
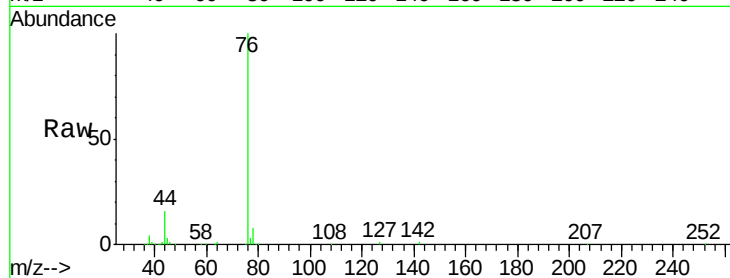
VW0508SBS01

Tot Ion: 76 Resp: 141948

Ion Ratio Lower Upper

76 100

78 8.2 6.9 10.3



#18

Methyl Acetate

Concen: 14.30 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002289.D

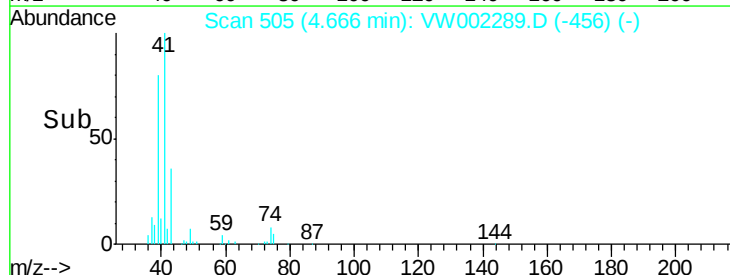
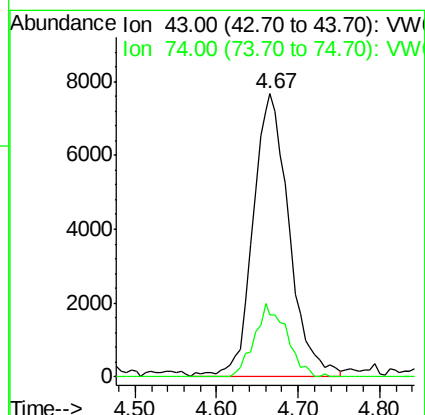
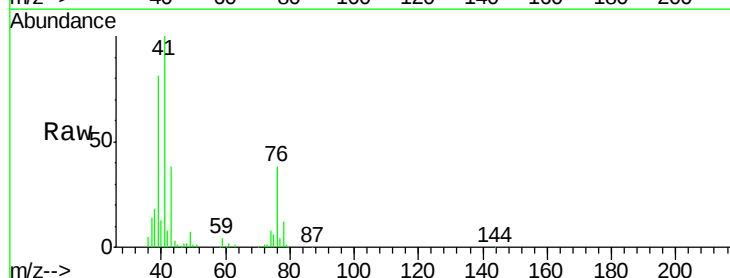
Acq: 08 May 2018 13:07

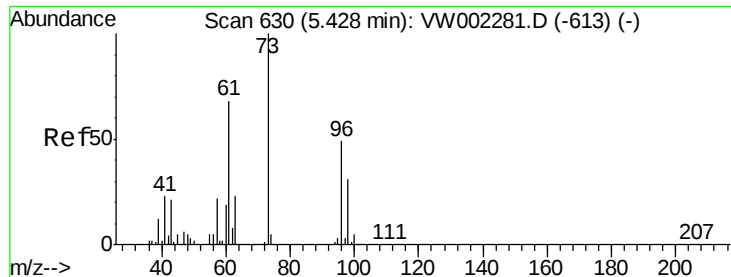
Tgt Ion: 43 Resp: 23669

Ion Ratio Lower Upper

43 100

74 22.9 19.4 29.2



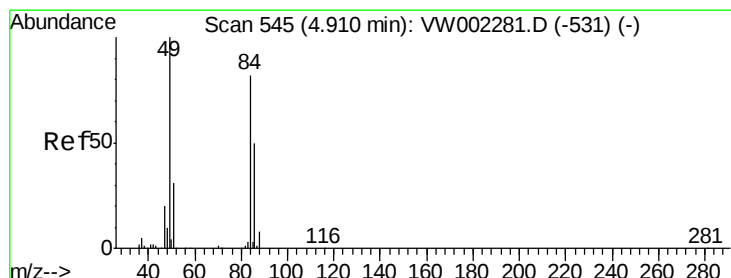
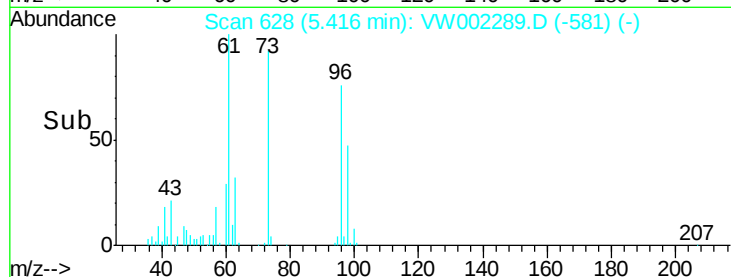
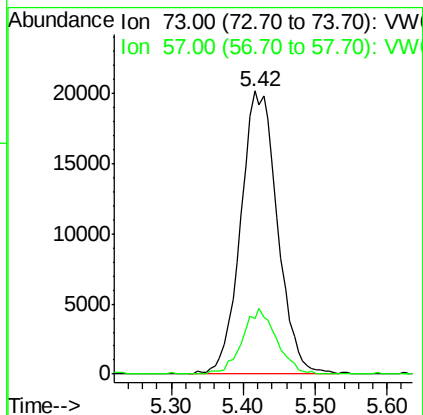
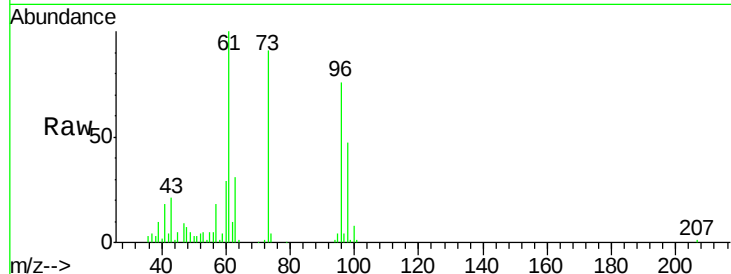


#19

Methyl tert-butyl Ether
 Concen: 16.97 ug/l
 RT: 5.42 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0508SBS01

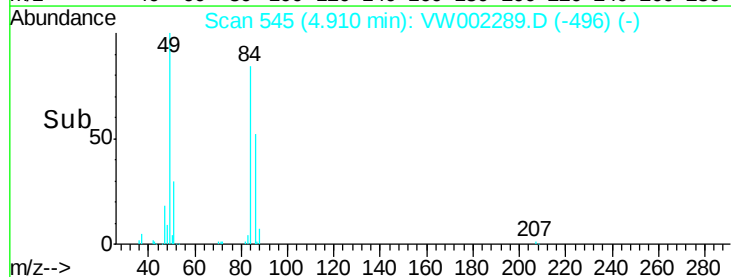
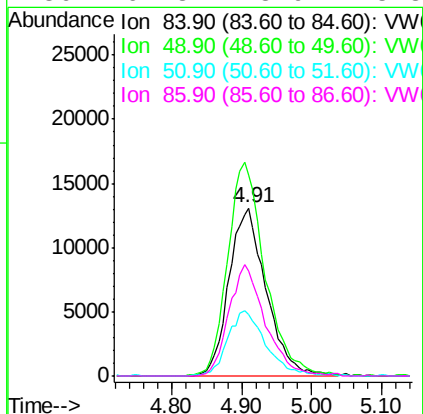
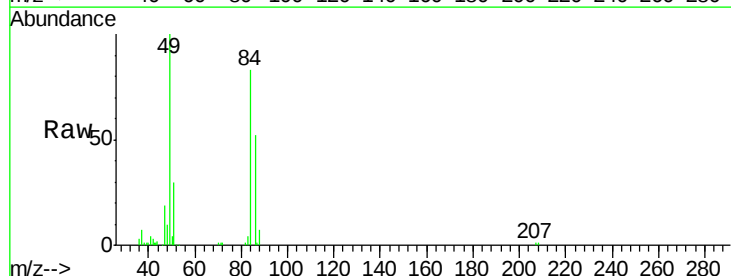
Tot Ion: 73 Resp: 71458
 Ion Ratio Lower Upper
 73 100
 57 19.4 17.7 26.5

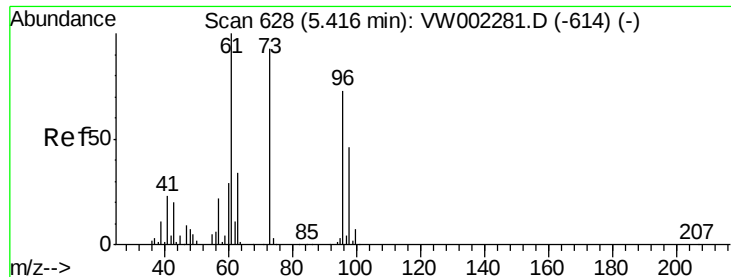


#20

Methylene Chloride
 Concen: 18.20 ug/l
 RT: 4.91 min Scan# 545
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion: 84 Resp: 48417
 Ion Ratio Lower Upper
 84 100
 49 119.5 97.7 146.5
 51 36.3 30.2 45.4
 86 62.3 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.66 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

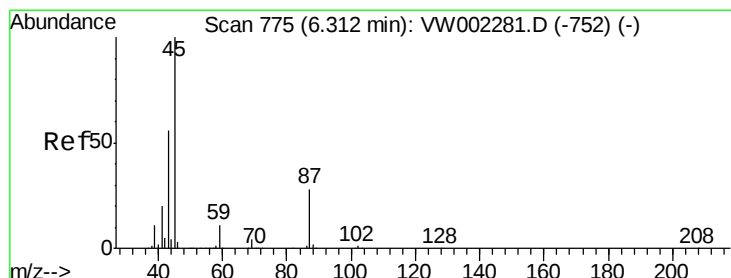
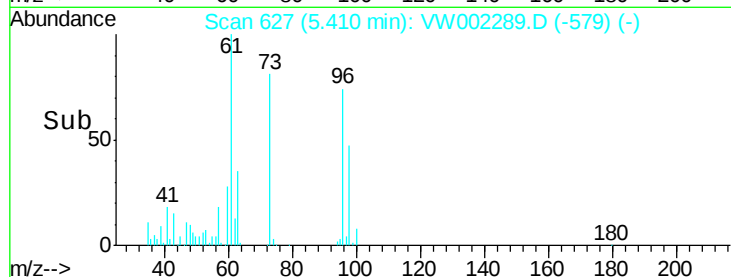
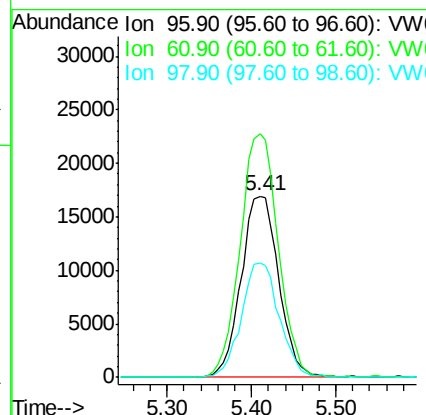
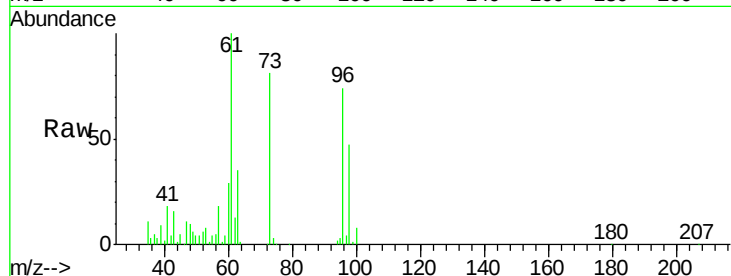
Tot Ion: 96 Resp: 51109

Ion Ratio Lower Upper

96 100

61 134.4 109.5 164.3

98 63.4 50.2 75.4



#22

Diisopropyl ether

Concen: 17.78 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Tgt Ion: 45 Resp: 137891

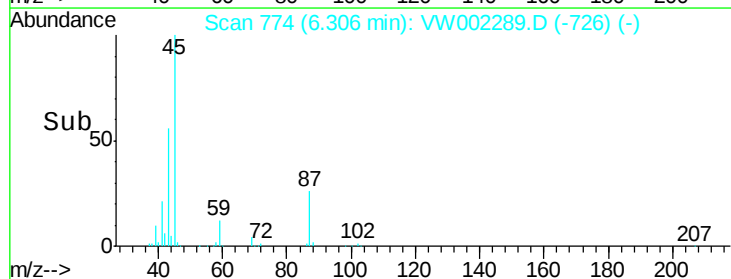
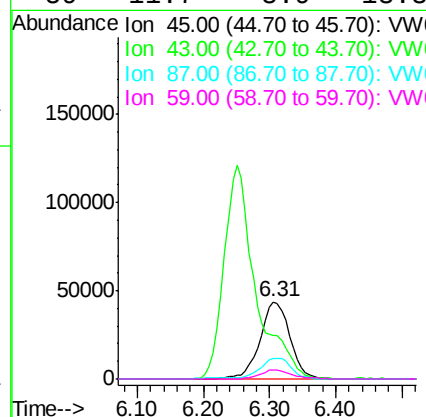
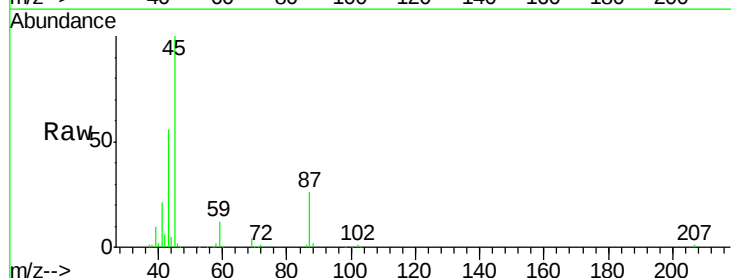
Ion Ratio Lower Upper

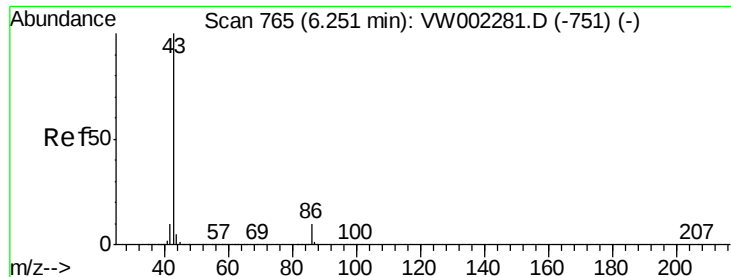
45 100

43 55.2 44.5 66.7

87 26.4 22.2 33.4

59 11.7 8.9 13.3





#23

Vinyl Acetate

Concen: 86.11 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

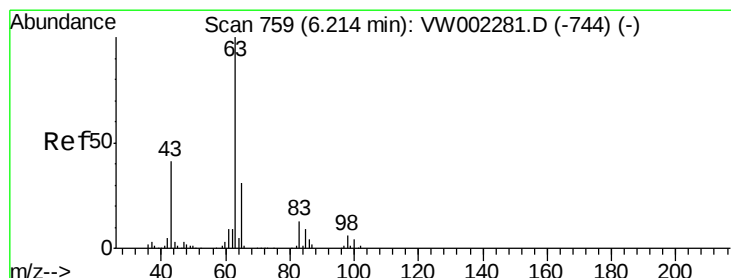
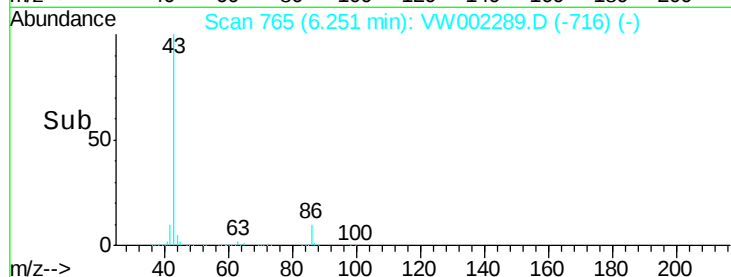
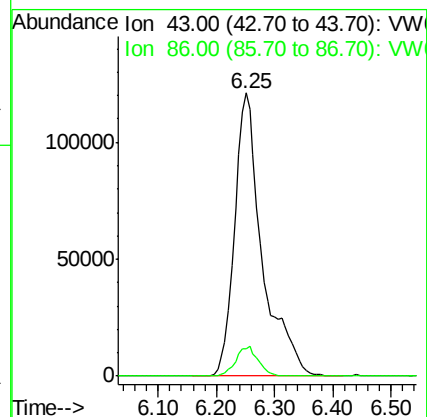
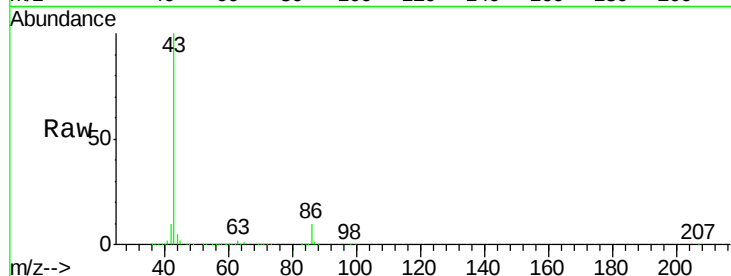
VW0508SBS01

Tot Ion: 43 Resp: 399998

Ion Ratio Lower Upper

43 100

86 9.7 7.9 11.9



#24

1,1-Dichloroethane

Concen: 18.83 ug/l

RT: 6.20 min Scan# 757

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

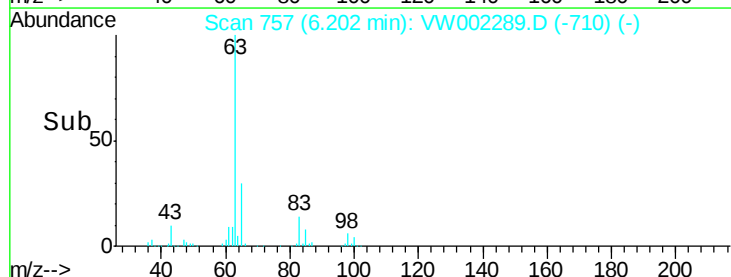
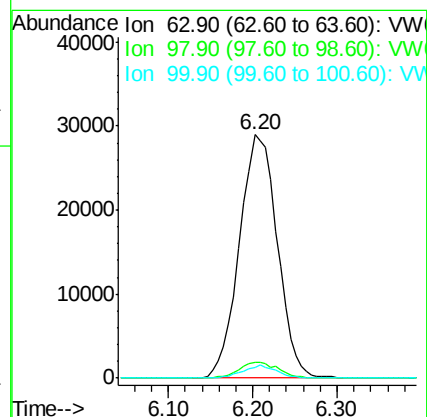
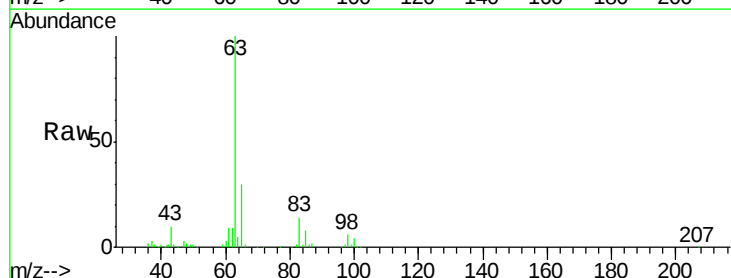
Tgt Ion: 63 Resp: 88587

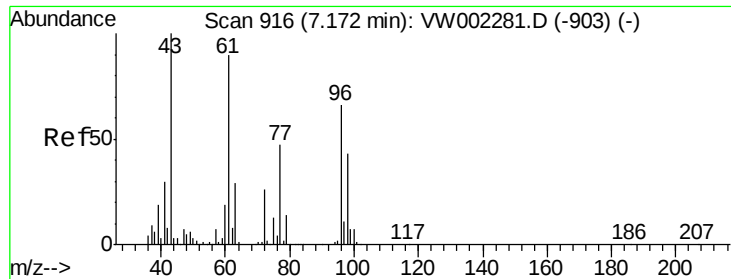
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.7

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 78.44 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

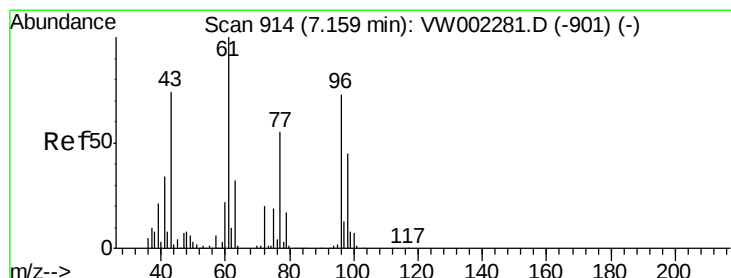
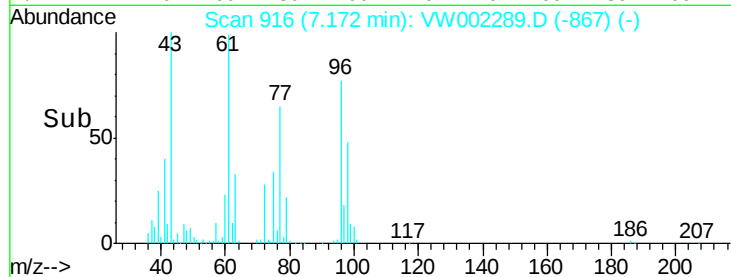
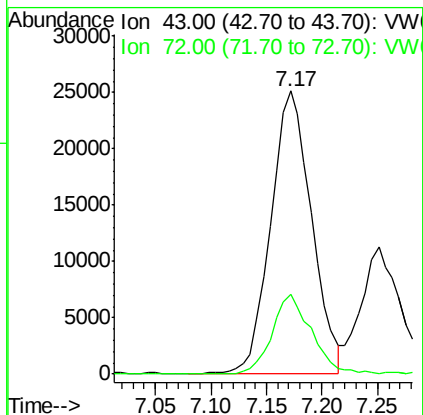
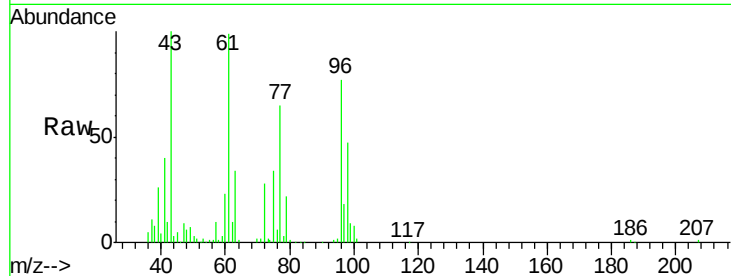
VW0508SBS01

Tot Ion: 43 Resp: 64269

Ion Ratio Lower Upper

43 100

72 28.3 20.6 31.0



#26

2,2-Dichloropropane

Concen: 23.90 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.00 min

Lab File: VW002289.D

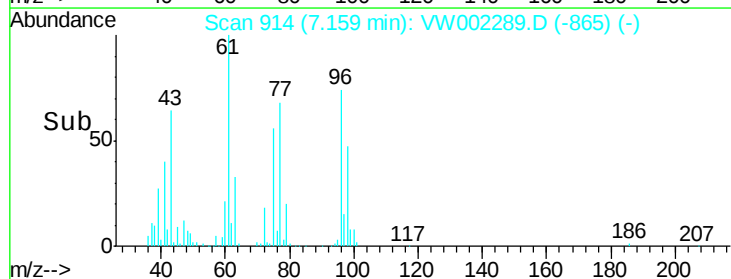
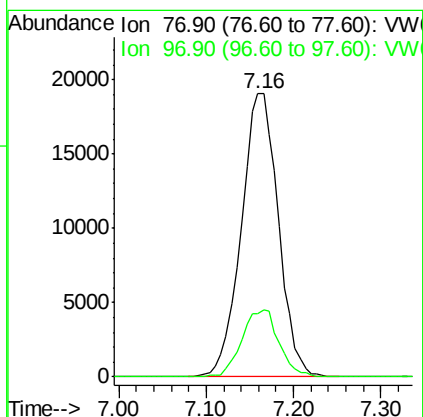
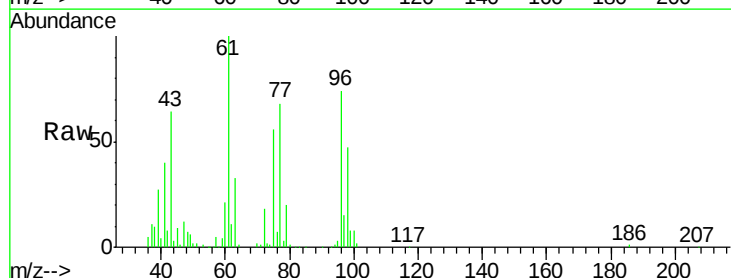
Acq: 08 May 2018 13:07

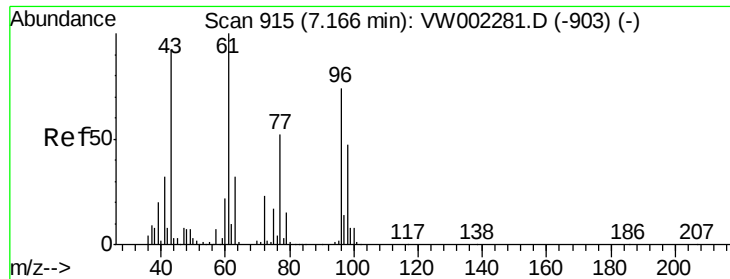
Tgt Ion: 77 Resp: 56033

Ion Ratio Lower Upper

77 100

97 23.7 12.7 38.0



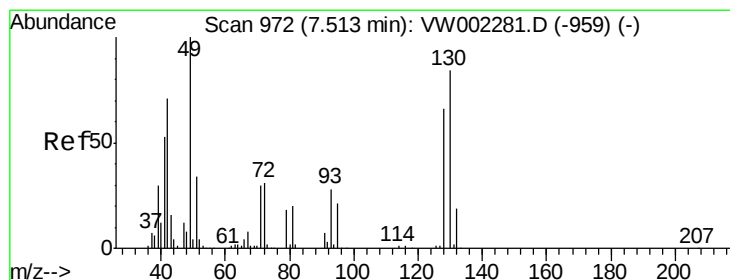
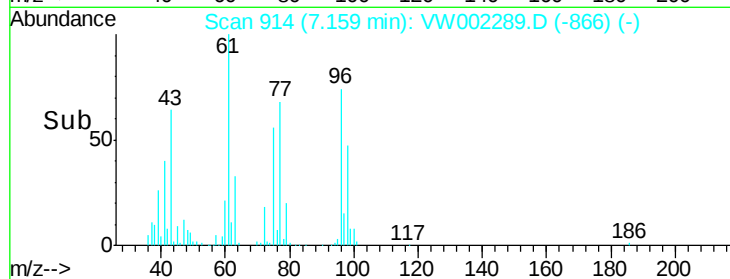
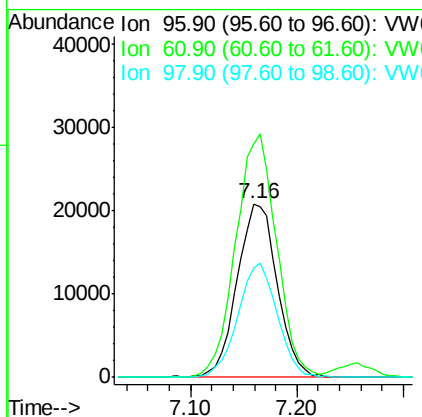
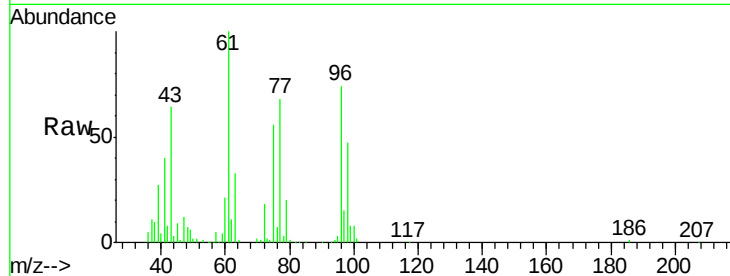


#27

cis-1,2-Dichloroethene
 Concen: 18.77 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

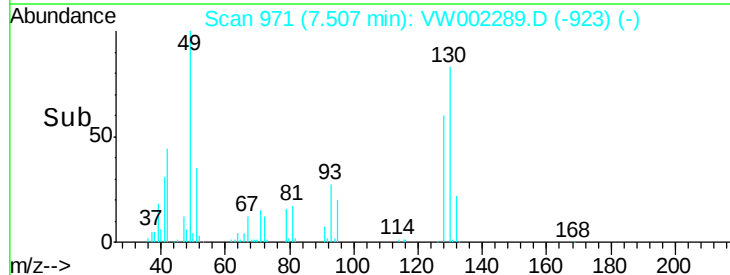
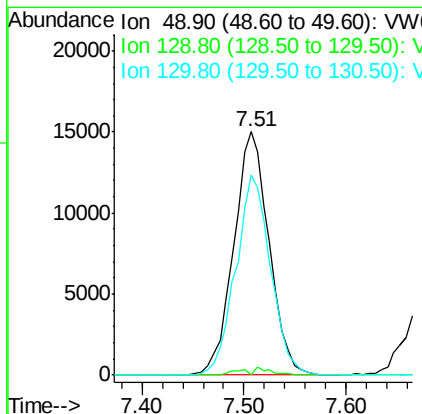
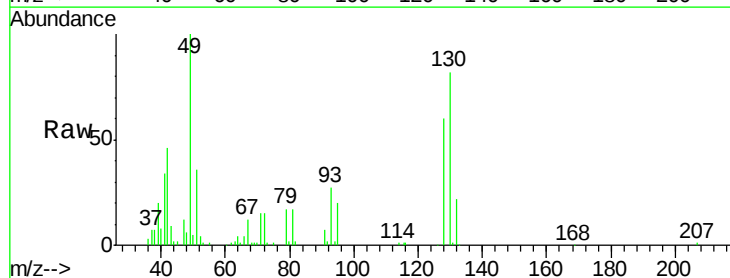
Tot Ion	96	Resp	55001
Ion	Ratio	Lower	Upper
96	100		
61	142.6	0.0	274.8
98	64.9	0.0	128.4

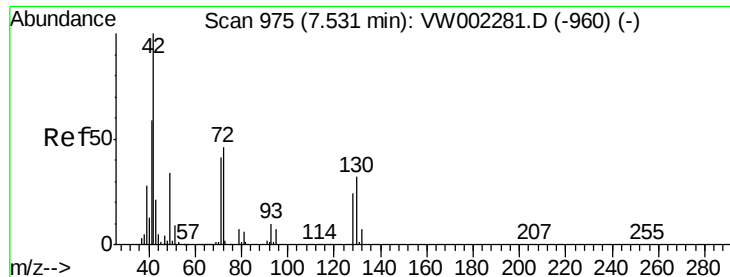


#28

Bromochloromethane
 Concen: 16.88 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion	49	Resp	35905
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.4
130	81.4	65.5	98.3





#29

Tetrahydrofuran

Concen: 71.35 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

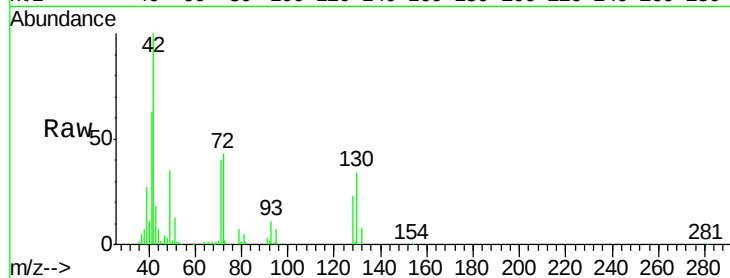
Tot Ion: 42 Resp: 38338

Ion Ratio Lower Upper

42 100

72 41.7 34.5 51.7

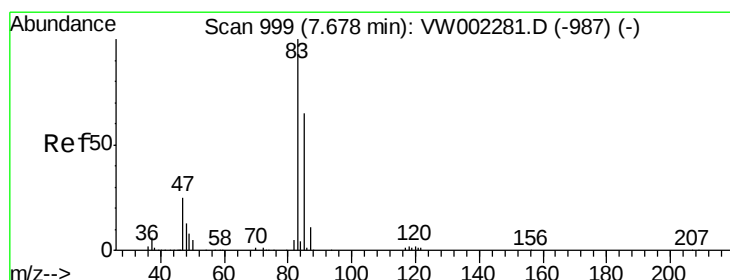
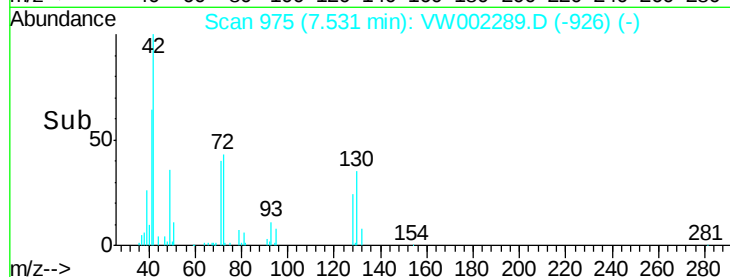
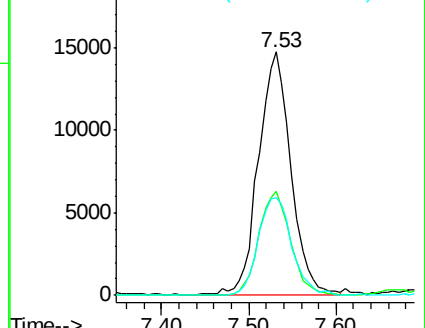
71 41.4 33.0 49.6



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 18.61 ug/l

RT: 7.67 min Scan# 998

Delta R.T. -0.01 min

Lab File: VW002289.D

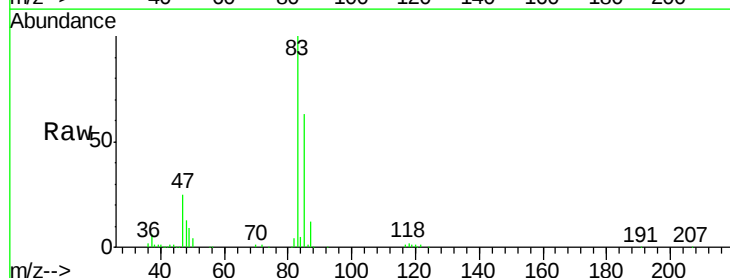
Acq: 08 May 2018 13:07

Tgt Ion: 83 Resp: 91640

Ion Ratio Lower Upper

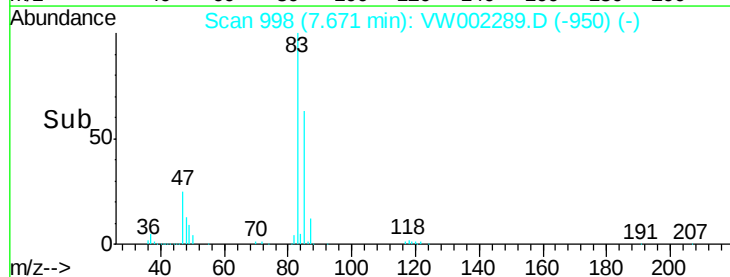
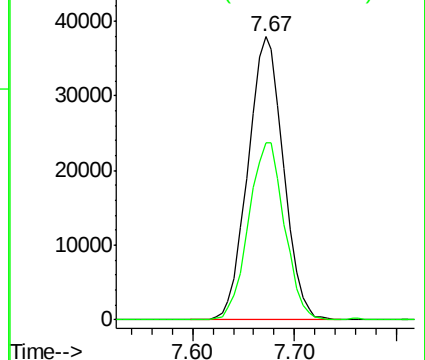
83 100

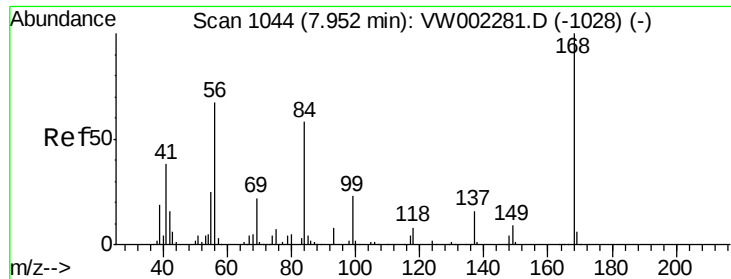
85 62.8 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

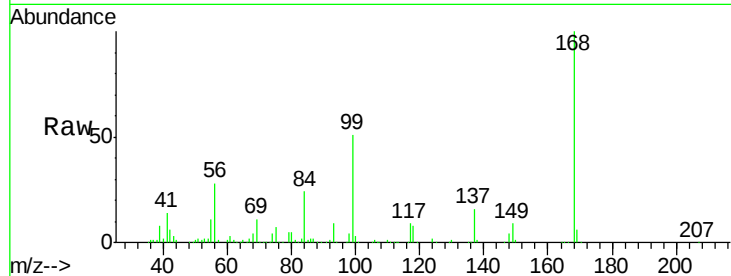




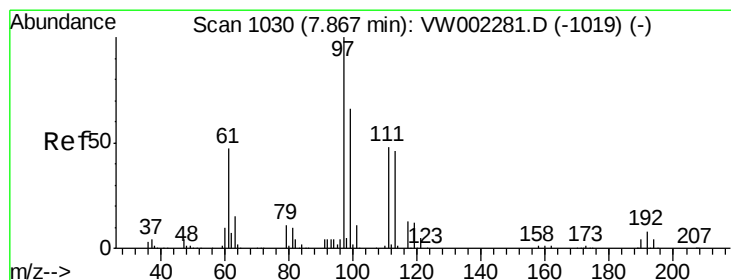
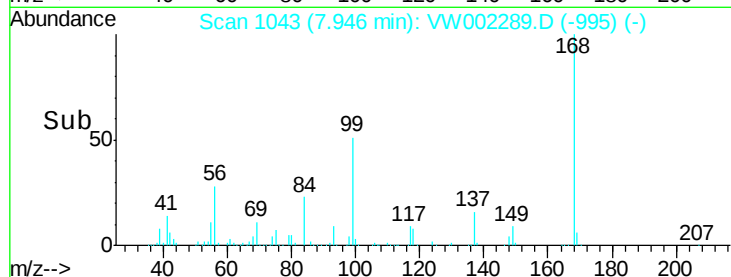
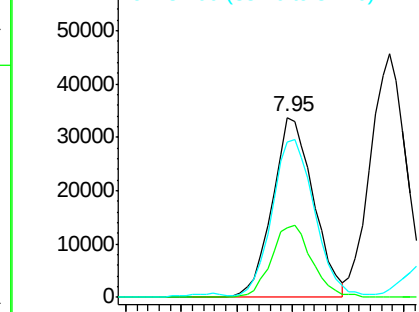
#31
Cyclohexane
Concen: 20.66 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

Tot Ion: 56 Resp: 86749
Ion Ratio Lower Upper
56 100
69 38.6 26.2 39.4
84 85.0 69.2 103.8

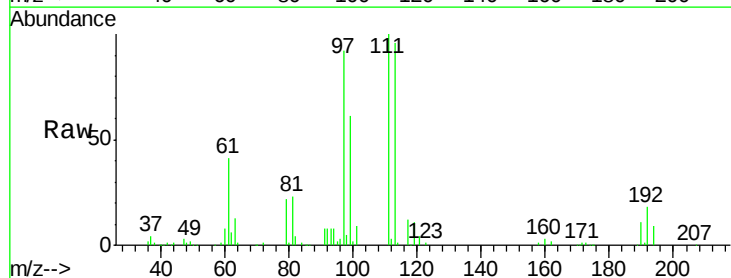


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

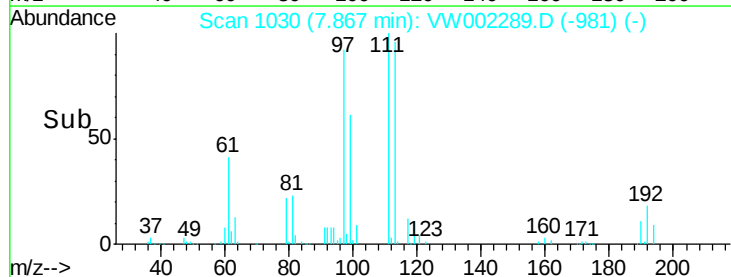
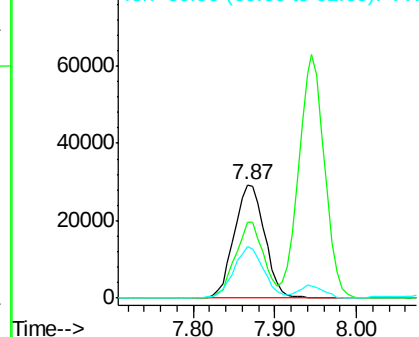


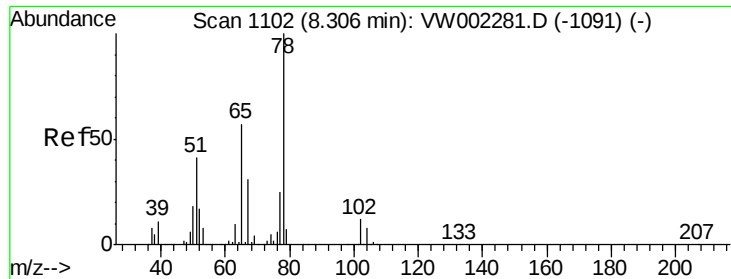
#32
1,1,1-Trichloroethane
Concen: 20.42 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion: 97 Resp: 75570
Ion Ratio Lower Upper
97 100
99 62.5 52.6 79.0
61 44.3 35.6 53.4



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 42.37 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

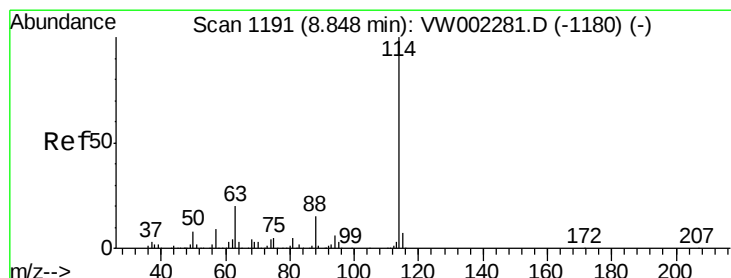
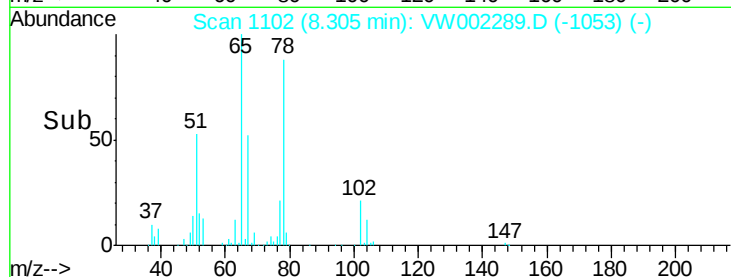
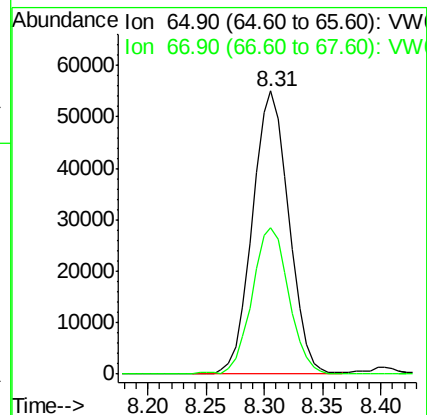
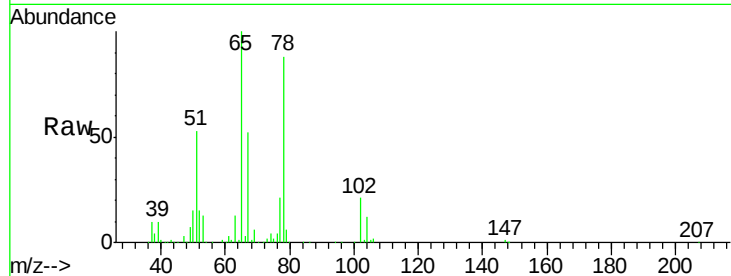
VW0508SBS01

Tot Ion: 65 Resp: 119696

Ion Ratio Lower Upper

65 100

67 52.3 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

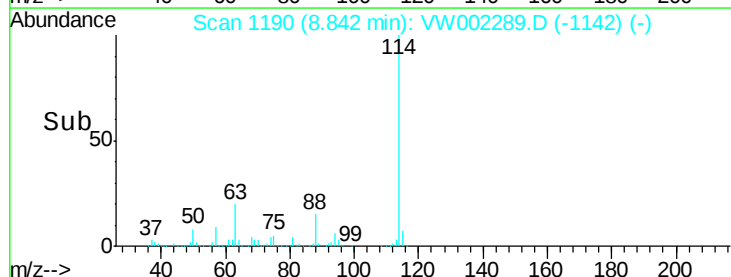
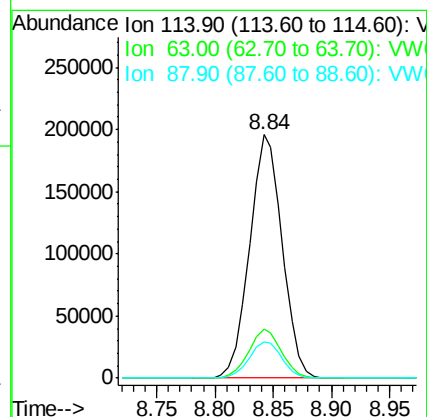
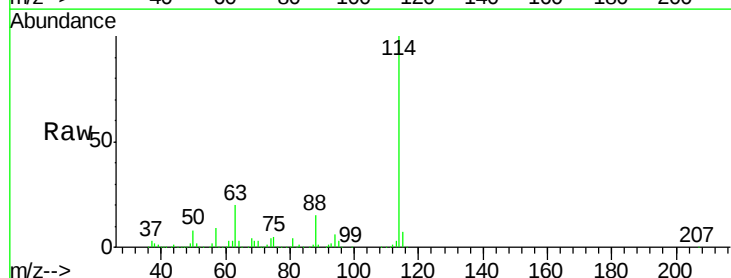
Tgt Ion: 114 Resp: 382300

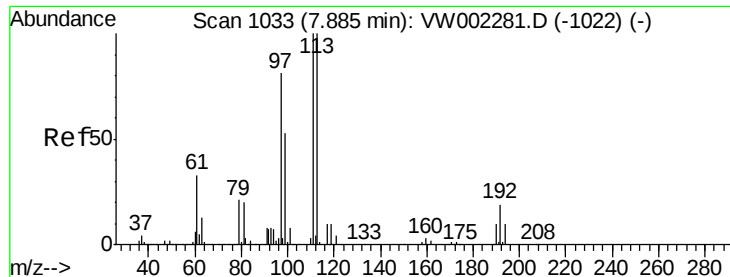
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 14.8 0.0 29.6





#35

Dibromofluoromethane

Concen: 47.76 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

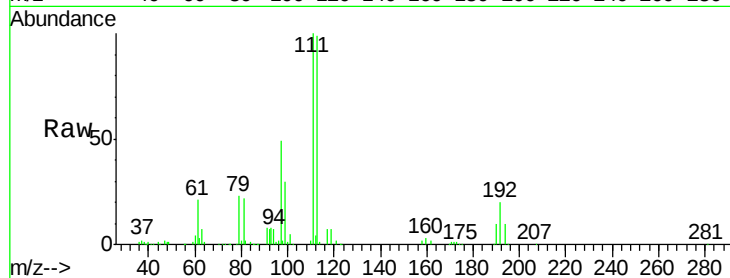
Tot Ion:113 Resp: 117037

Ion Ratio Lower Upper

113 100

111 103.2 81.5 122.3

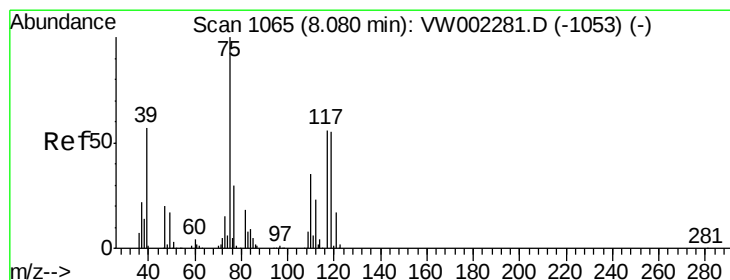
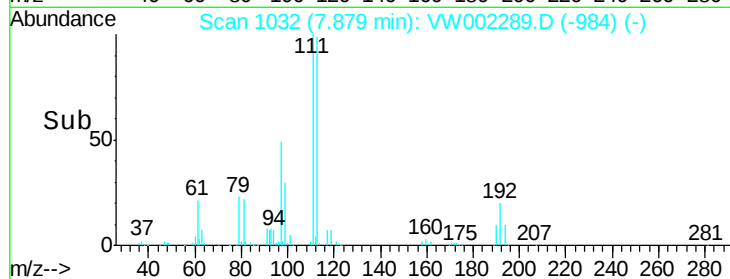
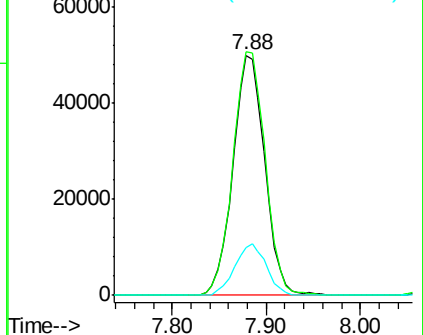
192 21.4 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.82 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

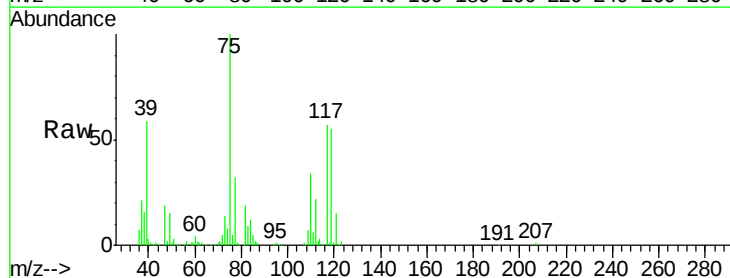
Tgt Ion: 75 Resp: 75447

Ion Ratio Lower Upper

75 100

110 36.0 18.1 54.1

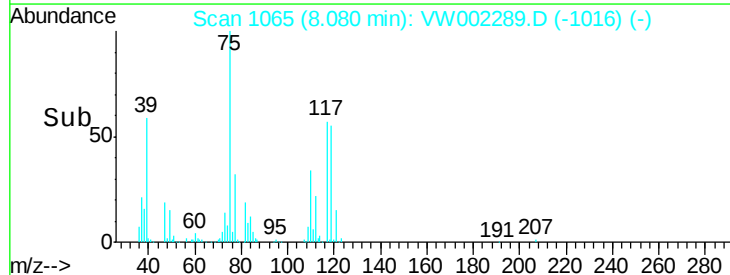
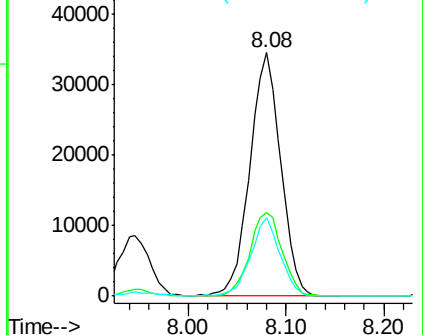
77 30.6 24.5 36.7

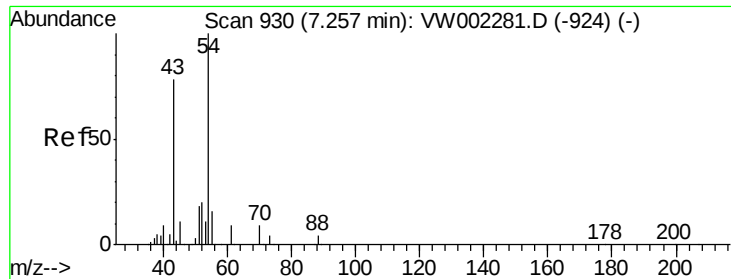


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

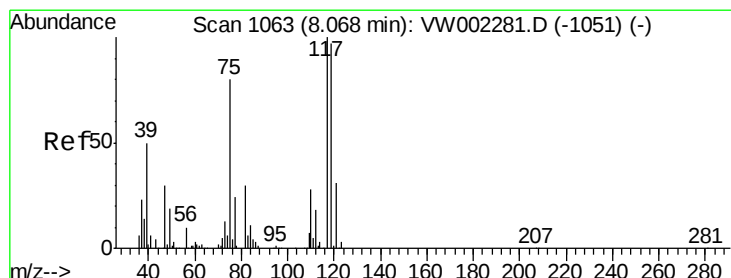
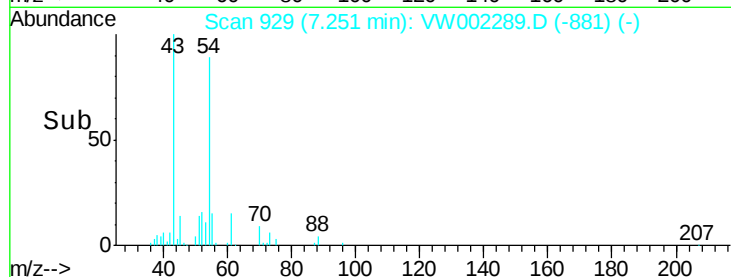
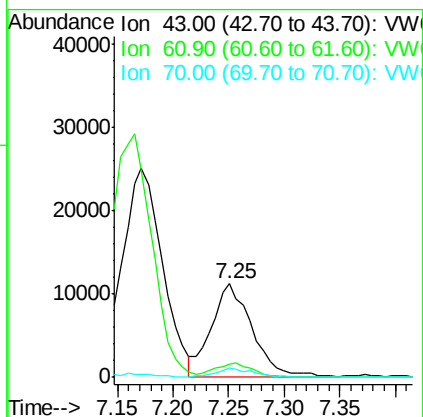
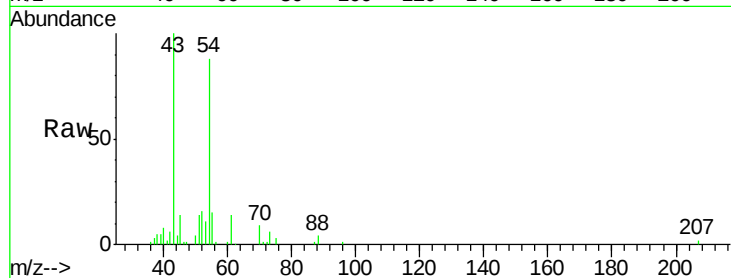




#37
Ethyl Acetate
Concen: 16.73 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

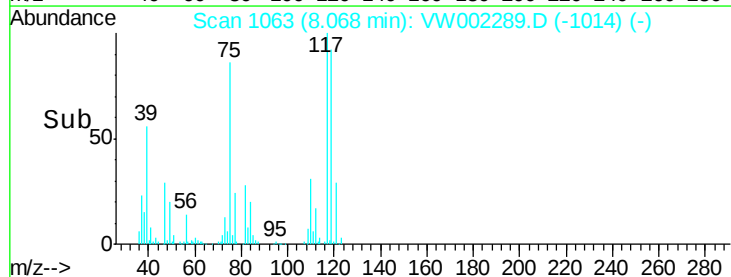
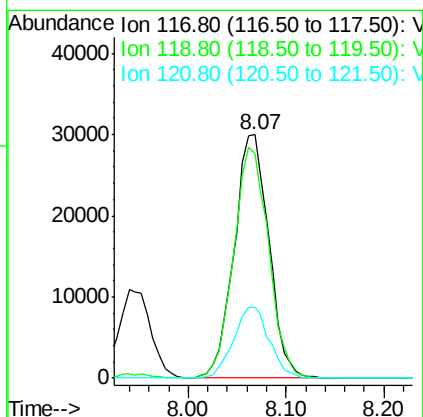
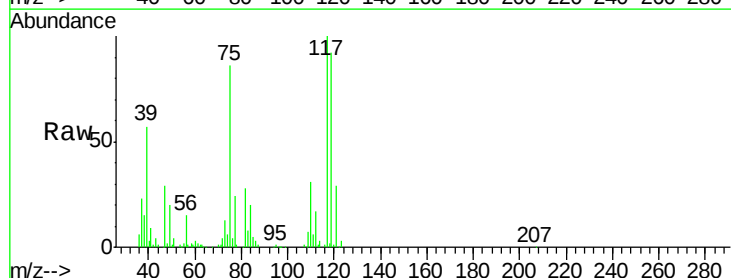
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

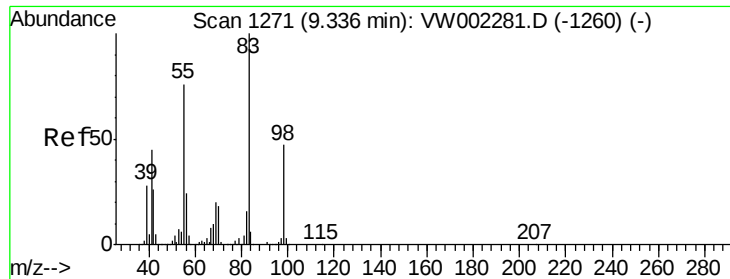
Tot Ion: 43 Resp: 28194
Ion Ratio Lower Upper
43 100
61 13.5 11.1 16.7
70 9.5 7.9 11.9



#38
Carbon Tetrachloride
Concen: 22.11 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion: 117 Resp: 73935
Ion Ratio Lower Upper
117 100
119 92.1 77.5 116.3
121 29.2 24.4 36.6

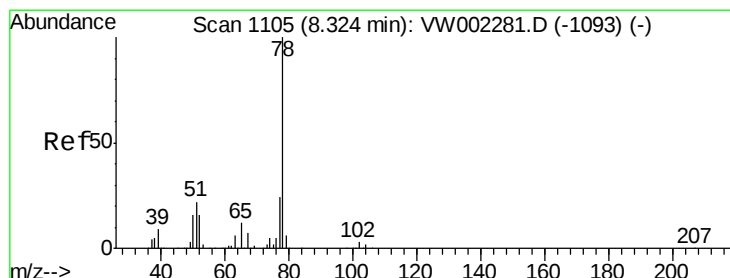
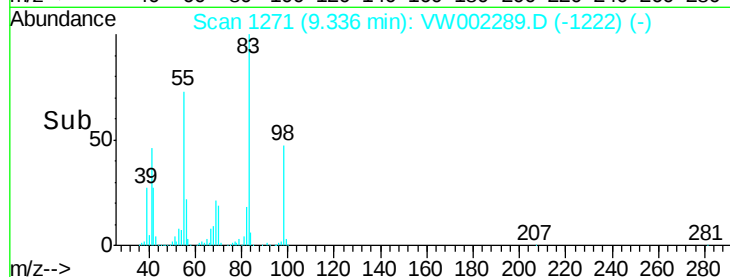
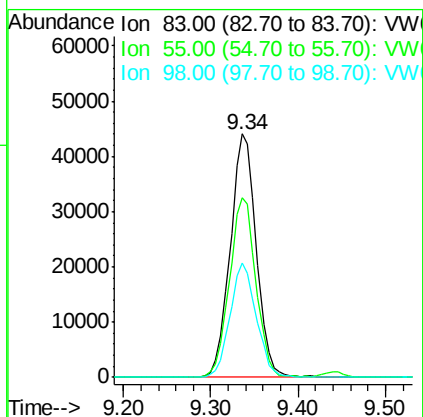
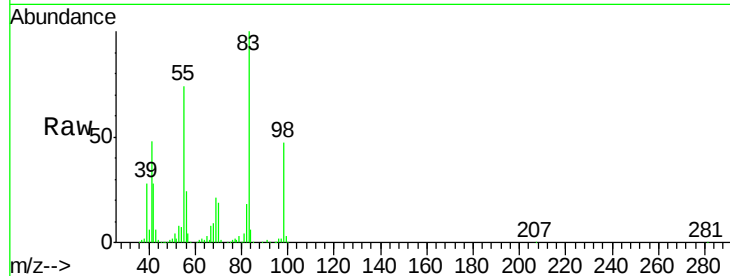




#39
Methvlcvclohexane
Concen: 22.69 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

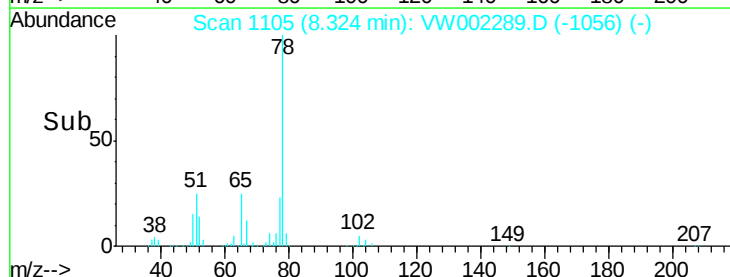
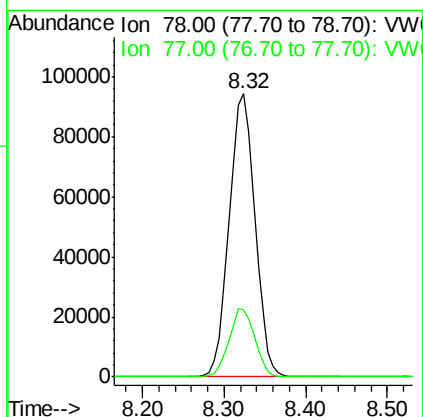
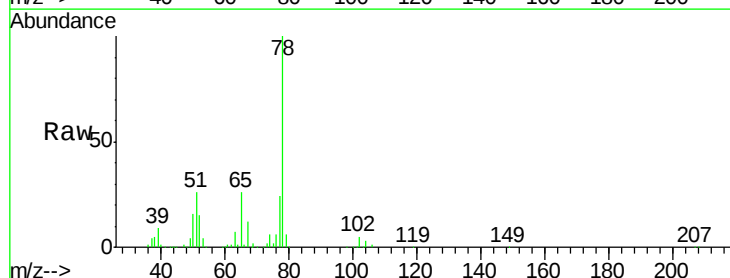
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

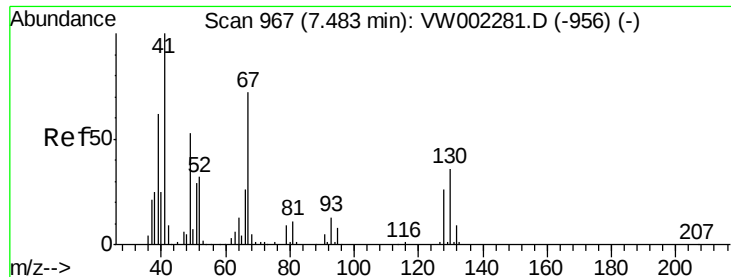
Tot Ion: 83 Resp: 91568
Ion Ratio Lower Upper
83 100
55 73.7 60.6 91.0
98 46.8 37.4 56.0



#40
Benzene
Concen: 20.35 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion: 78 Resp: 205691
Ion Ratio Lower Upper
78 100
77 23.6 19.3 28.9

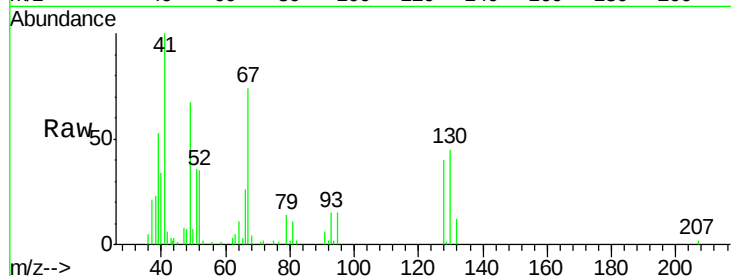




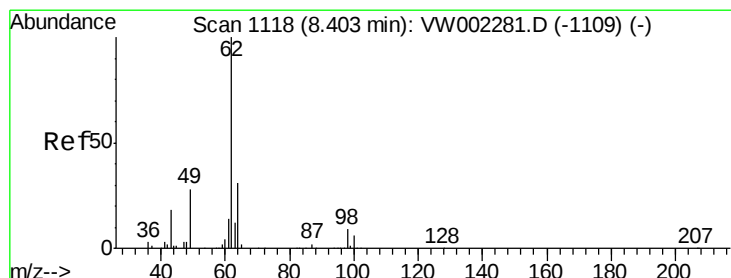
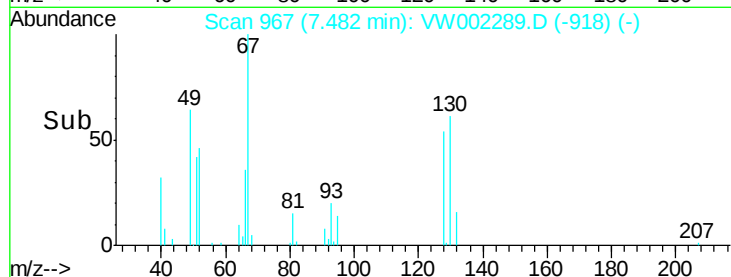
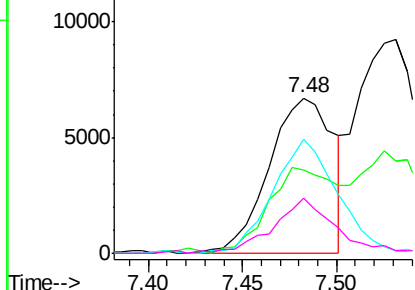
#41
Methacrylonitrile
Concen: 16.47 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Instrument :
MSVOA_W
ClientSampled :
VW0508SBS01

Tot Ion:	41	Resp:	15903
Ion	Ratio	Lower	Upper
41	100		
39	55.6	40.2	60.4
67	73.3	54.7	82.1
52	34.3	23.6	35.4

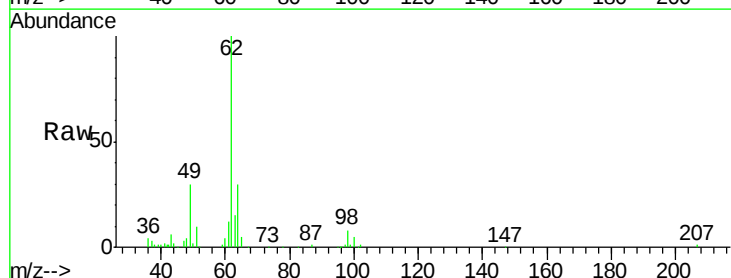


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

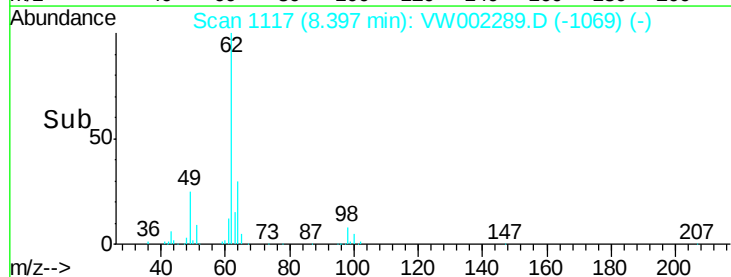
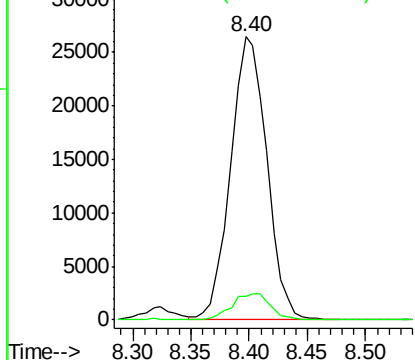


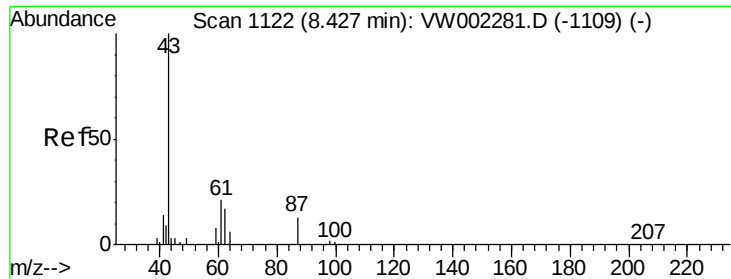
#42
1,2-Dichloroethane
Concen: 18.23 ug/l
RT: 8.40 min Scan# 1117
Delta R.T. -0.01 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion:	62	Resp:	57474
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW



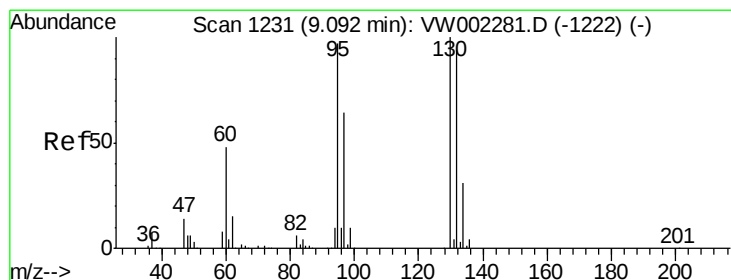
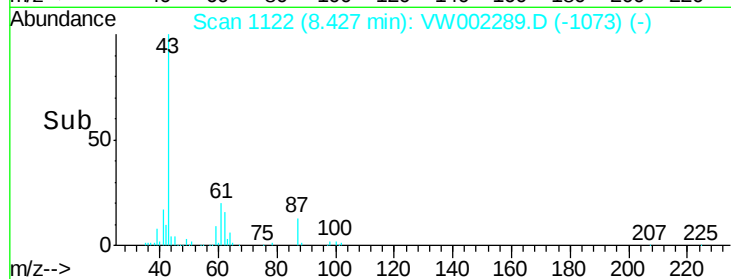
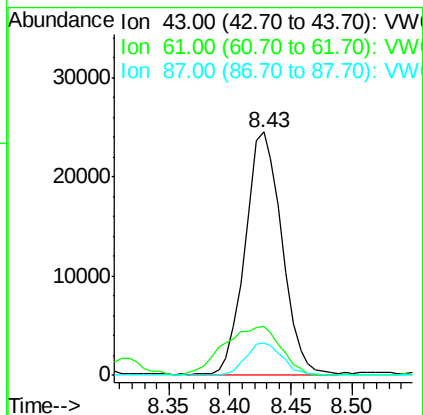
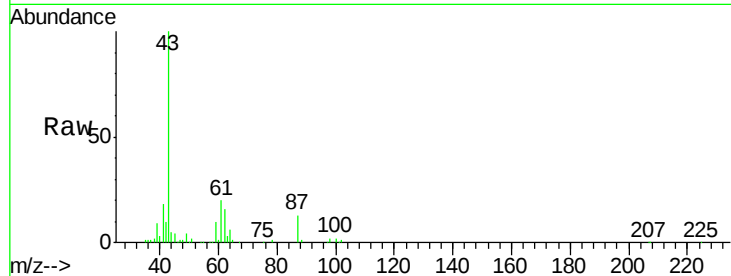


#43

Isopropyl Acetate
 Concen: 16.00 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

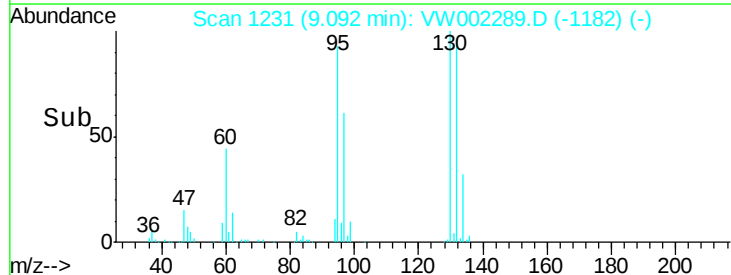
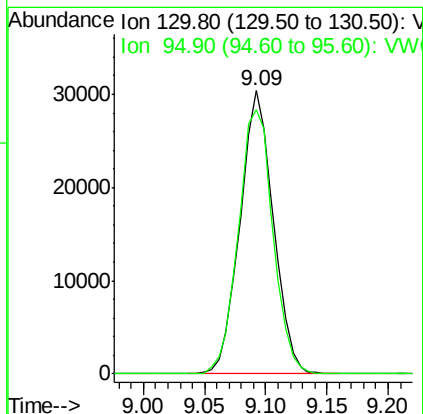
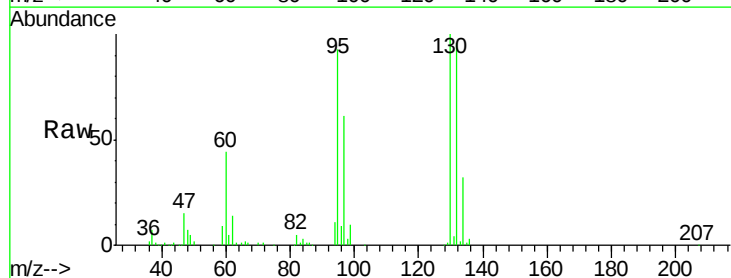
Tot Ion	43	Resp	51142
Ion Ratio	Lower	Upper	
43	100		
61	31.4	23.7	35.5
87	13.3	10.7	16.1

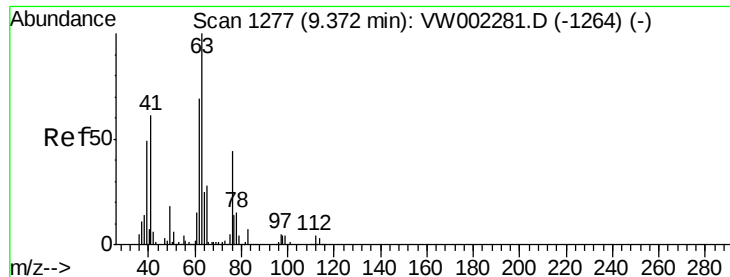


#44

Trichloroethene
 Concen: 20.82 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion	130	Resp	57376
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	193.4





#45

1,2-Dichloropropane

Concen: 19.51 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampled :

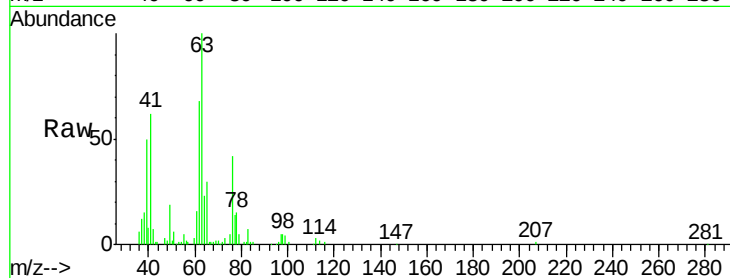
VW0508SBS01

Tot Ion: 63 Resp: 49414

Ion Ratio Lower Upper

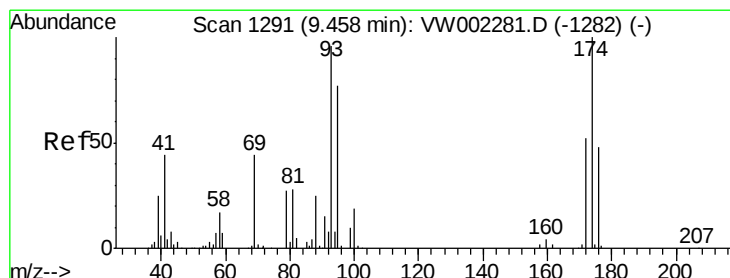
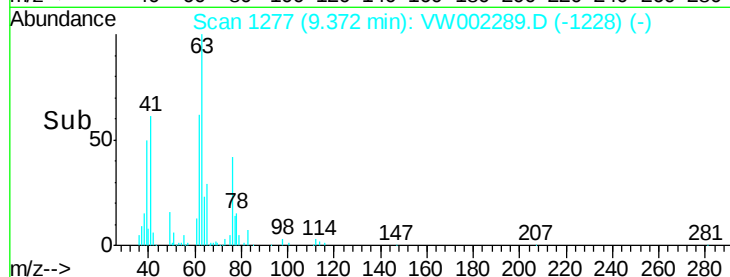
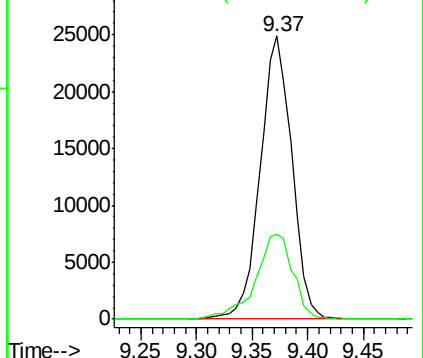
63 100

65 29.9 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 17.79 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

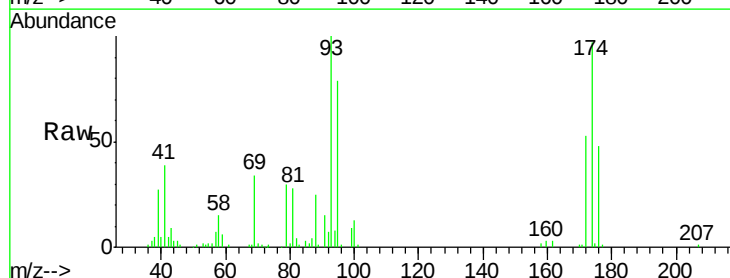
Tgt Ion: 93 Resp: 25186

Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

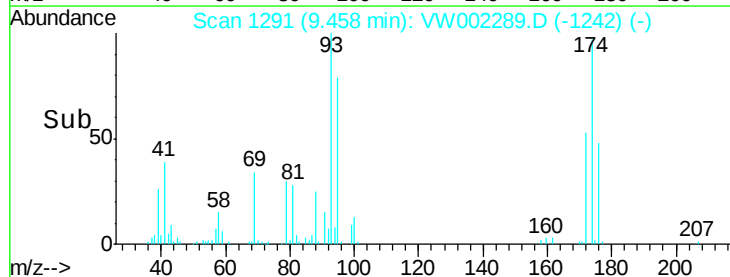
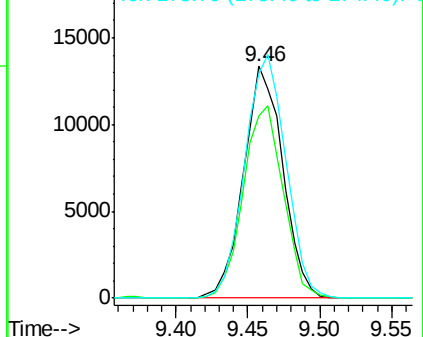
174 109.6 86.8 130.2

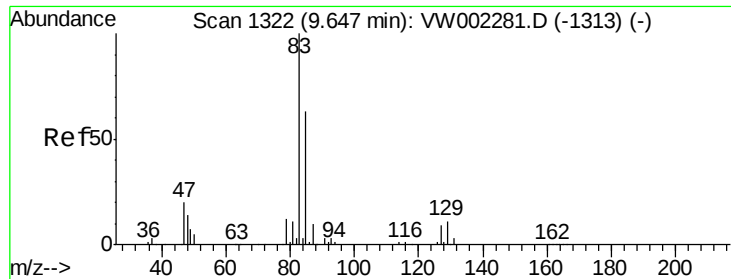


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.72 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

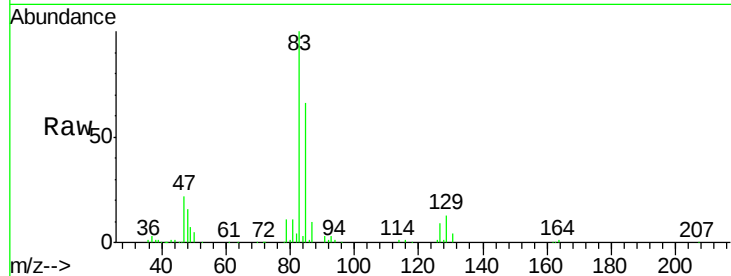
Tot Ion: 83 Resp: 62541

Ion Ratio Lower Upper

83 100

85 65.9 50.2 75.2

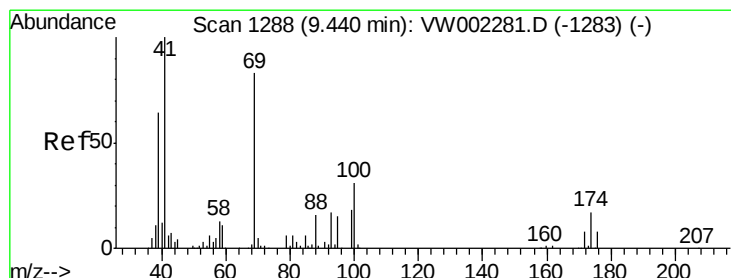
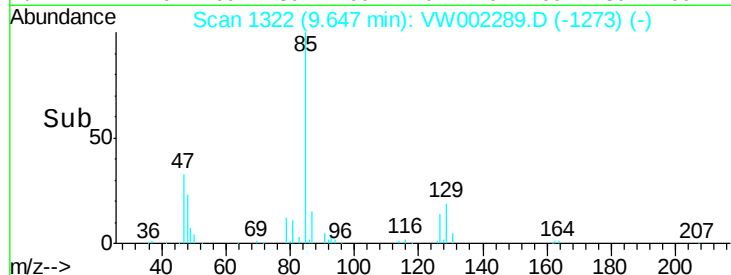
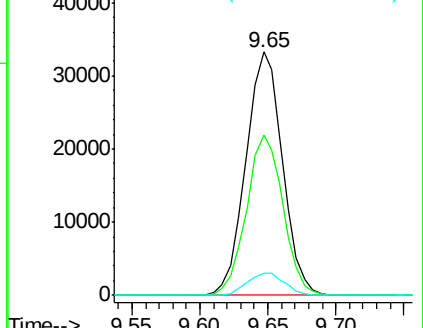
127 9.0 6.9 10.3



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: 16.03 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

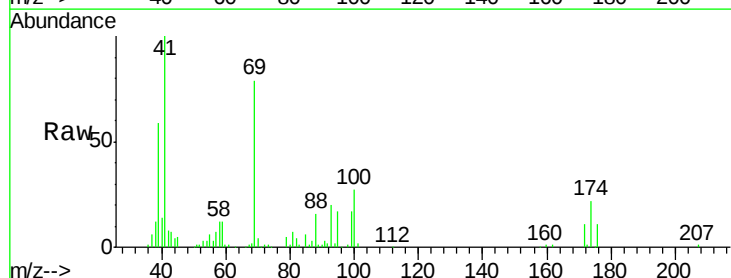
Tgt Ion: 41 Resp: 24880

Ion Ratio Lower Upper

41 100

69 88.0 69.9 104.9

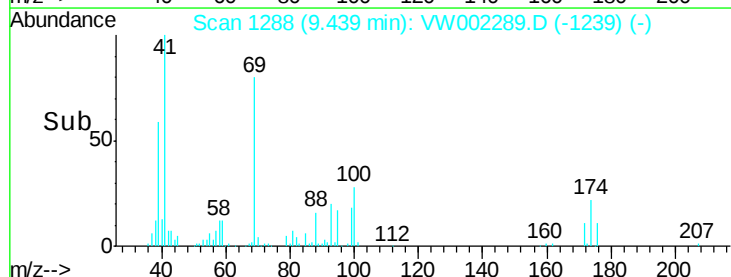
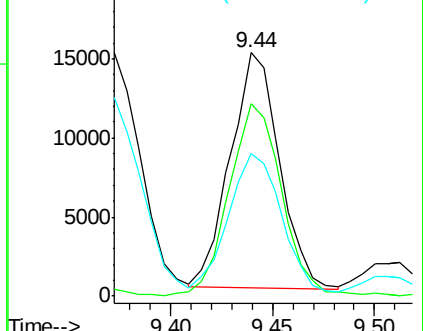
39 62.9 54.0 81.0

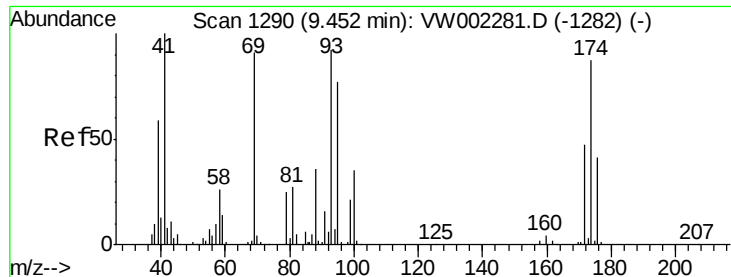


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

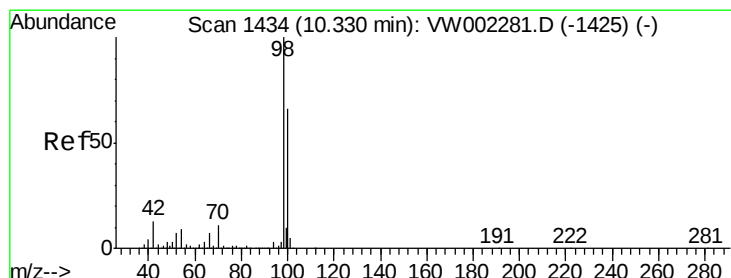
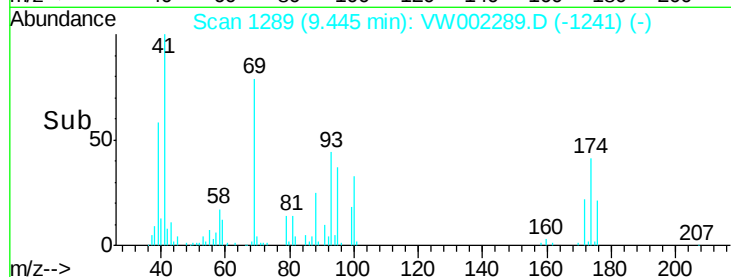
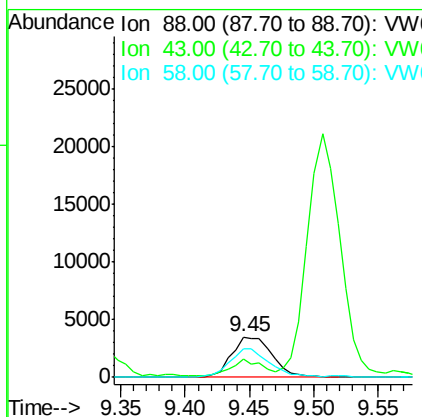
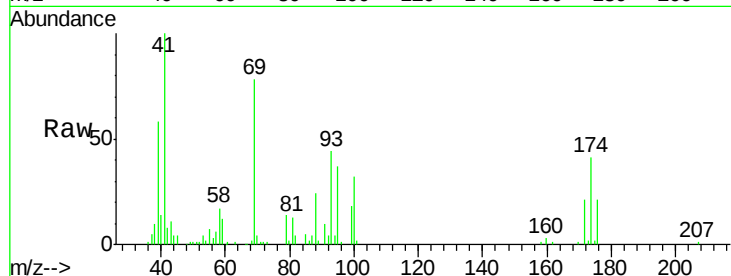




#49
1,4-Dioxane
Concen: 342.18 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

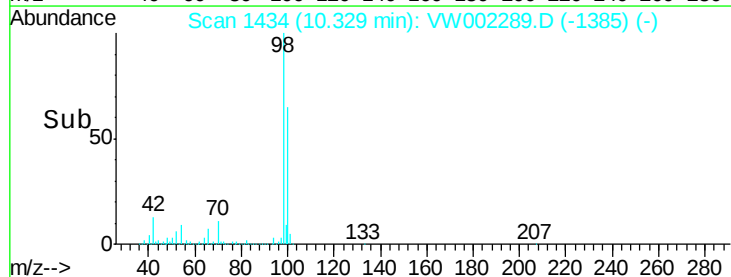
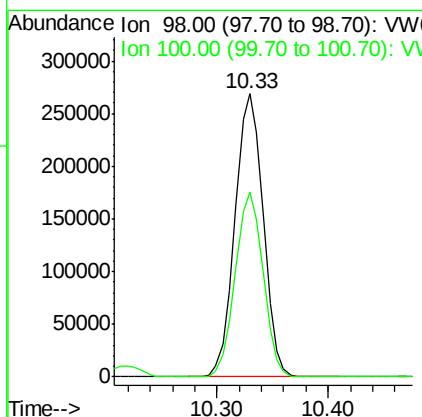
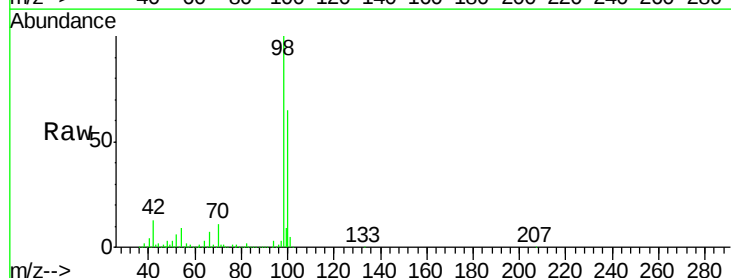
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

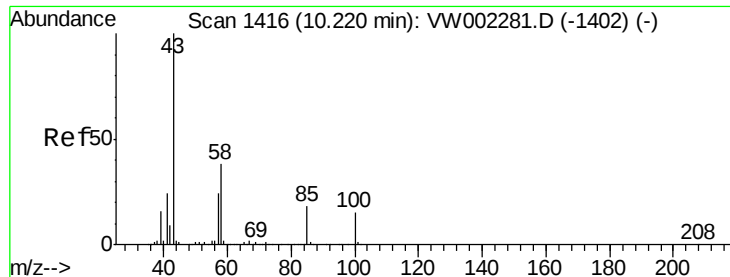
Tot Ion: 88 Resp: 7694
Ion Ratio Lower Upper
88 100
43 32.1 26.3 39.5
58 69.8 56.0 84.0



#50
Toluene-d8
Concen: 50.46 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion: 98 Resp: 471462
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 77.02 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

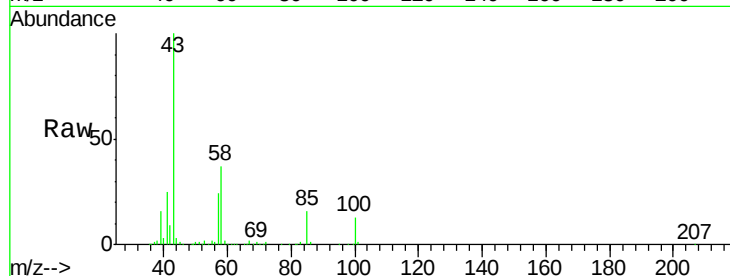
VW0508SBS01

Tot Ion: 43 Resp: 135810

Ion Ratio Lower Upper

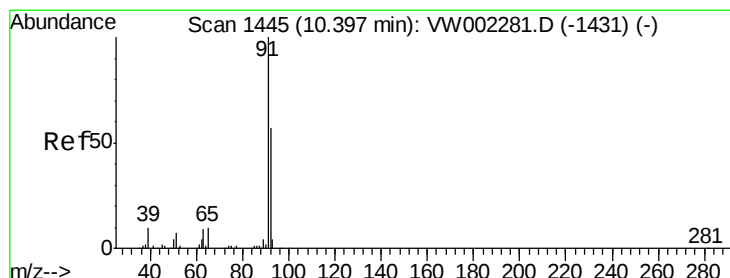
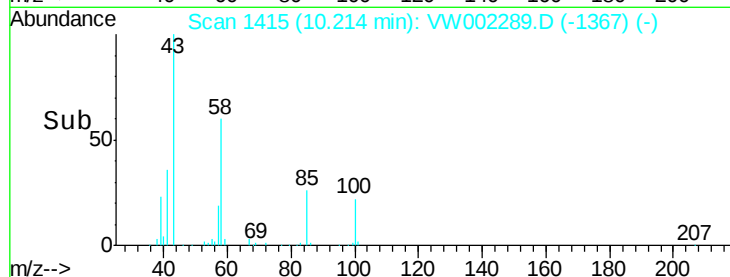
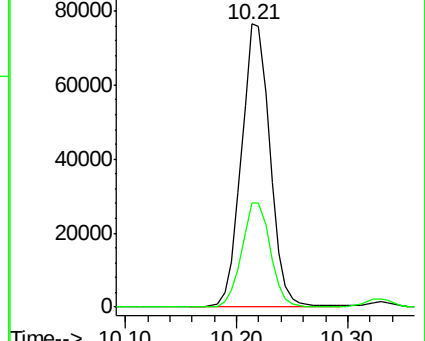
43 100

58 36.9 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.67 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW002289.D

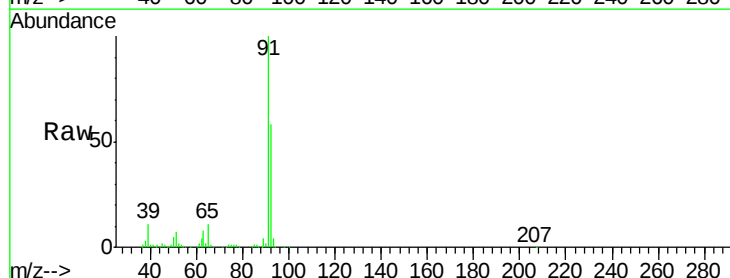
Acq: 08 May 2018 13:07

Tgt Ion: 92 Resp: 132703

Ion Ratio Lower Upper

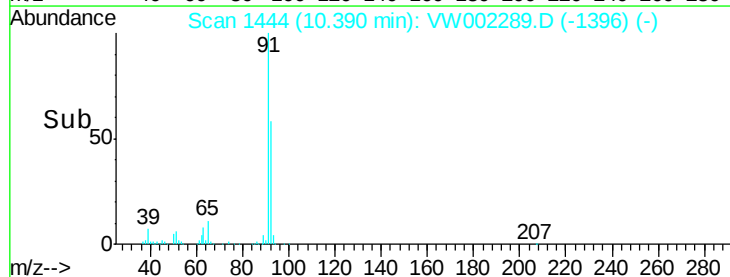
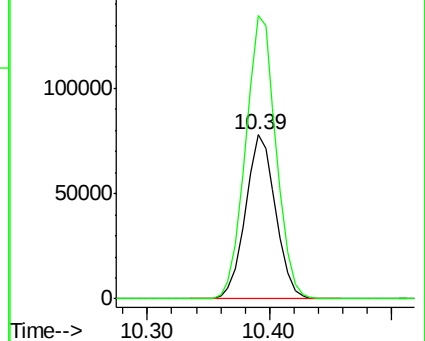
92 100

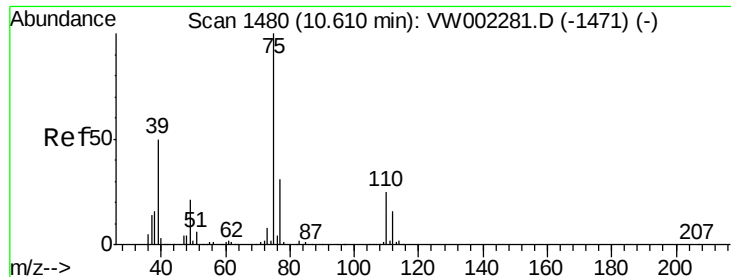
91 175.5 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 18.71 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

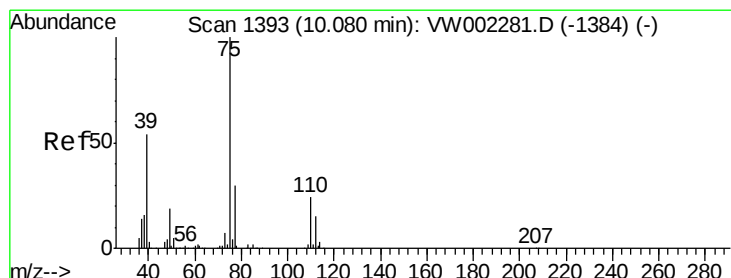
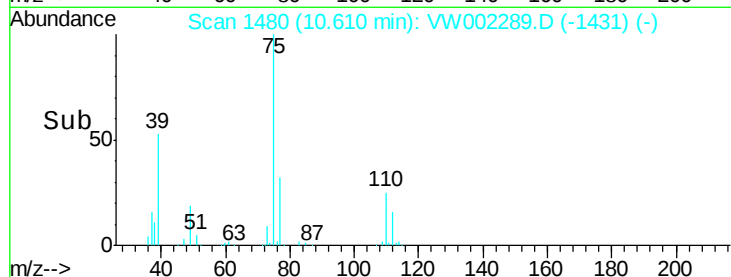
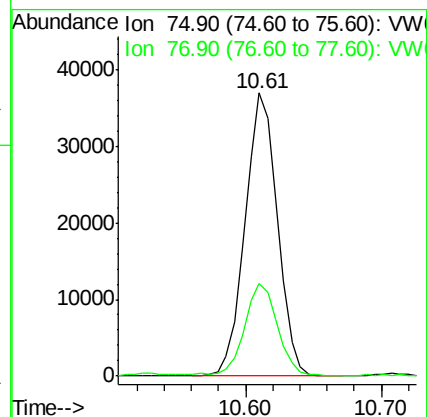
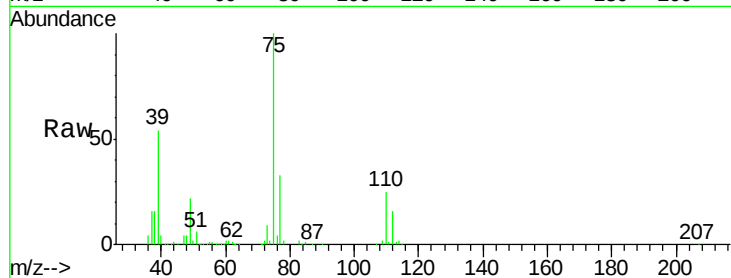
VW0508SBS01

Tot Ion: 75 Resp: 61436

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.70 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

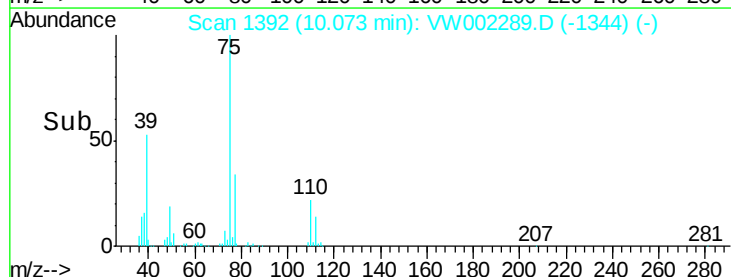
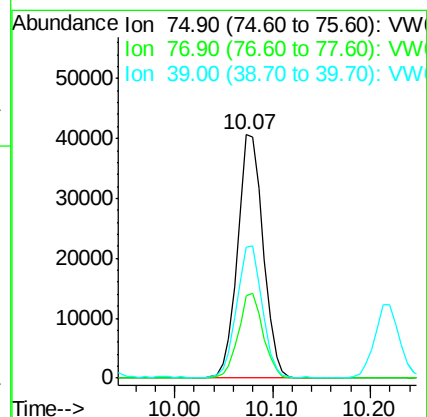
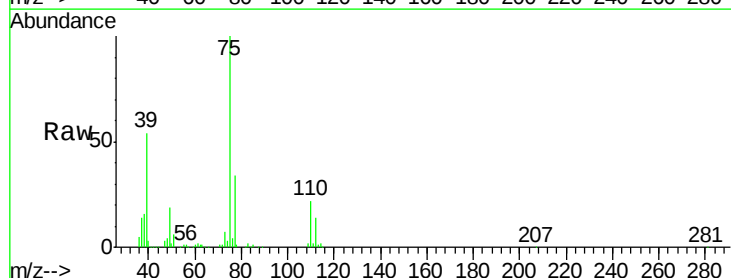
Tgt Ion: 75 Resp: 73955

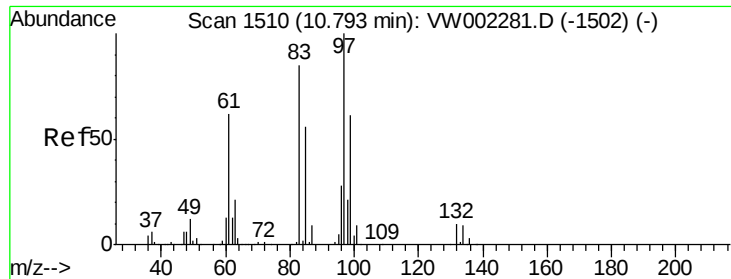
Ion Ratio Lower Upper

75 100

77 33.9 23.9 35.9

39 53.4 43.2 64.8

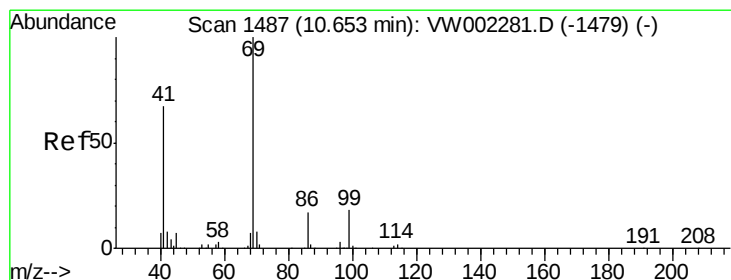
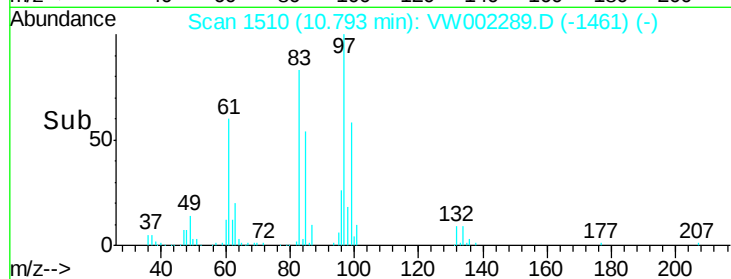
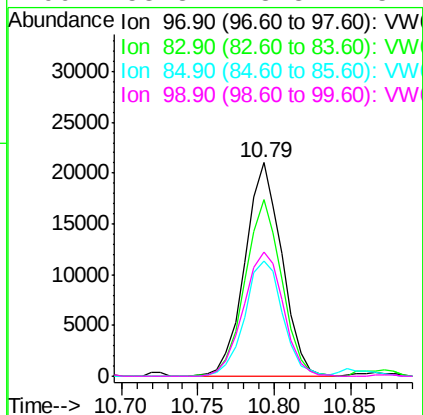
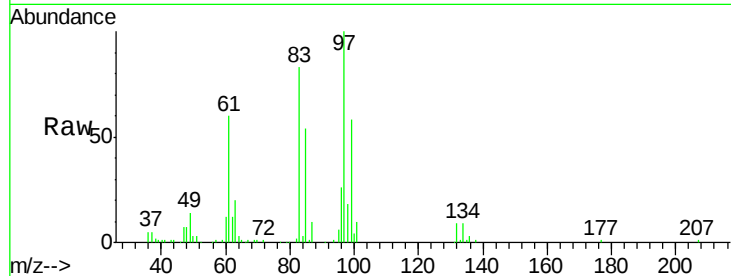




#55
 1,1,2-Trichloroethane
 Concen: 17.76 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

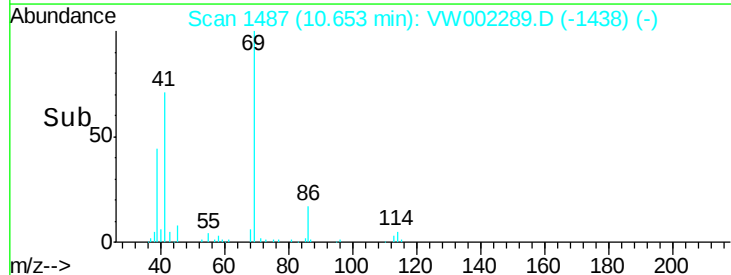
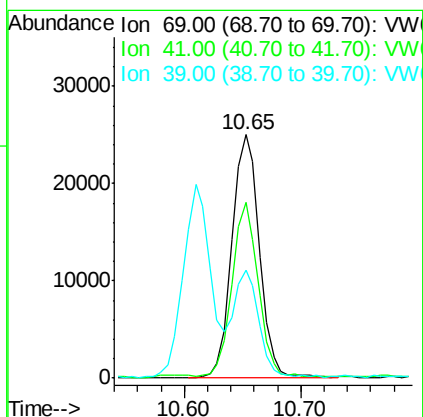
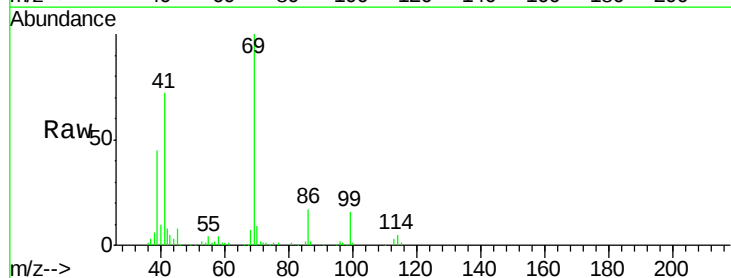
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

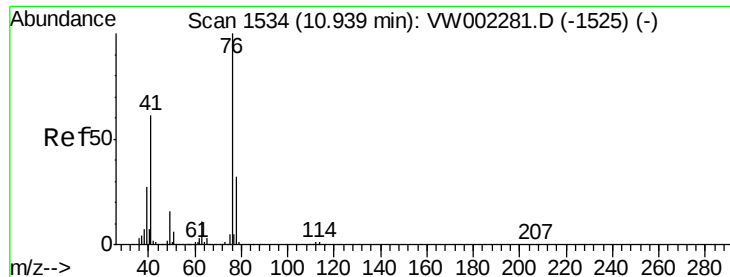
Tot Ion:	97	Resp:	35389
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.4	102.6
85	54.2	44.6	67.0
99	58.3	48.8	73.2



#56
 Ethyl methacrylate
 Concen: 16.79 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion:	69	Resp:	41365
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.0	84.0
39	39.9	32.7	49.1

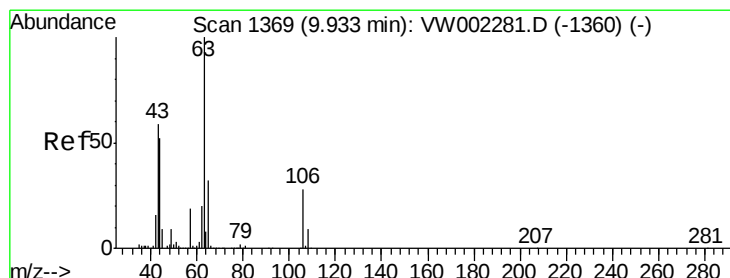
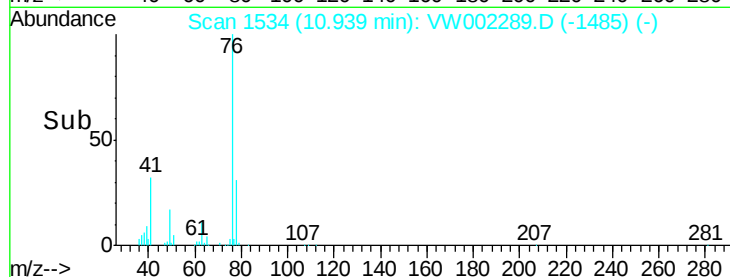
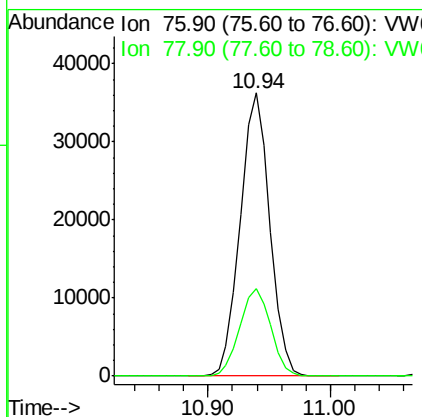
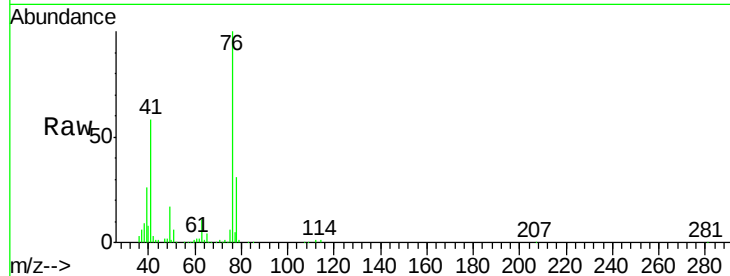




#57
 1,3-Dichloropropane
 Concen: 17.94 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

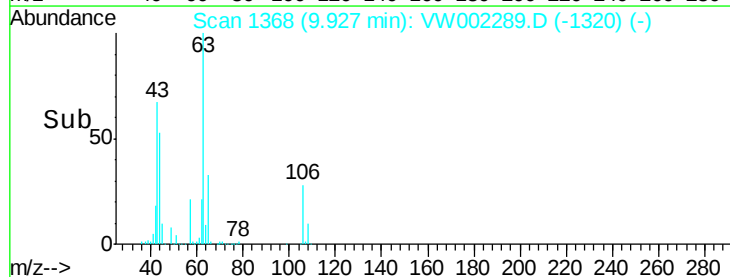
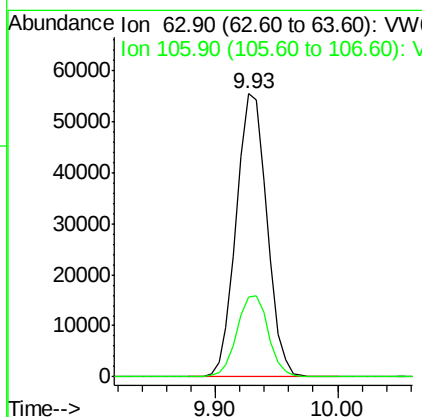
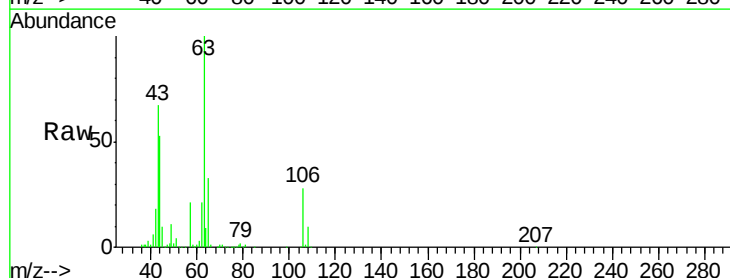
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

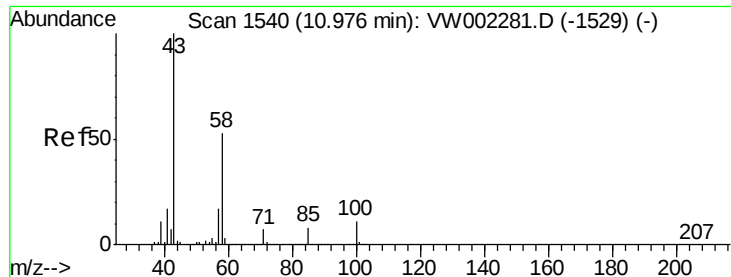
Tot Ion: 76 Resp: 60798
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.81 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion: 63 Resp: 96629
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.5 33.7





#59

2-Hexanone

Concen: 83.12 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

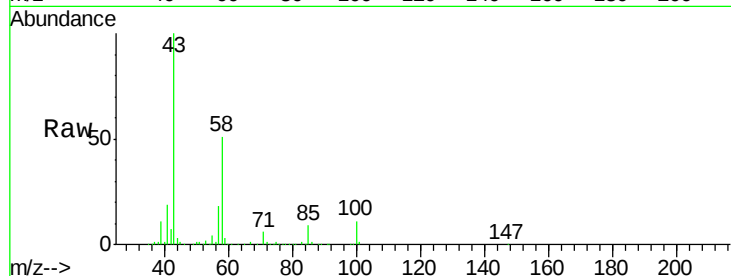
VW0508SBS01

Tot Ion: 43 Resp: 100263

Ion Ratio Lower Upper

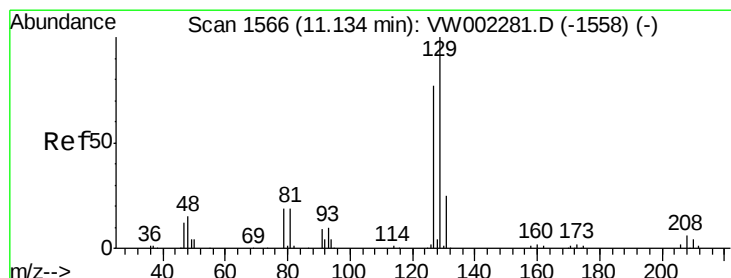
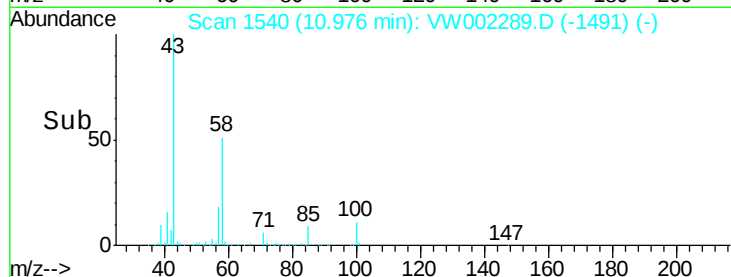
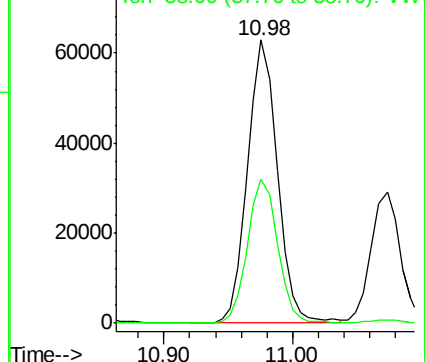
43 100

58 51.6 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 18.10 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW002289.D

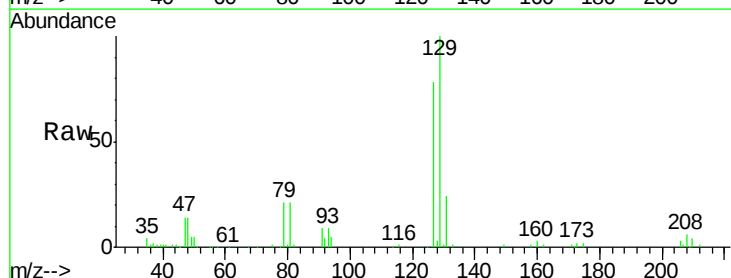
Acq: 08 May 2018 13:07

Tgt Ion: 129 Resp: 42572

Ion Ratio Lower Upper

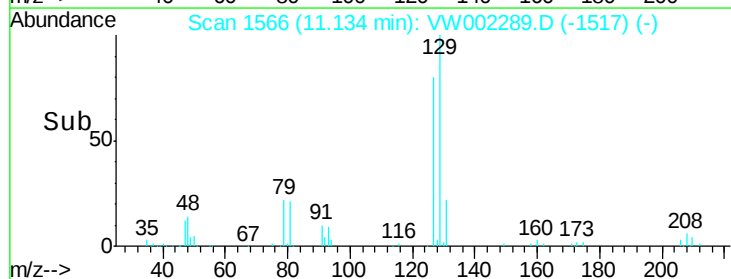
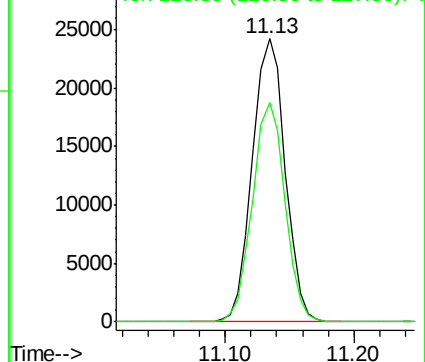
129 100

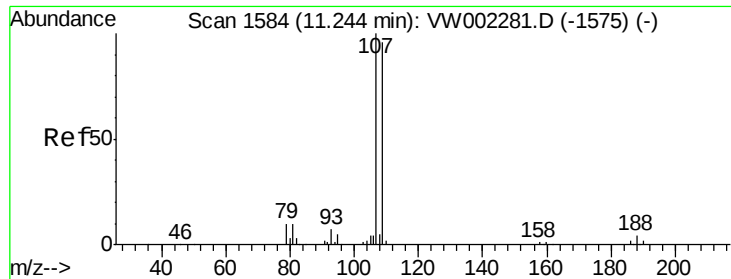
127 76.8 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

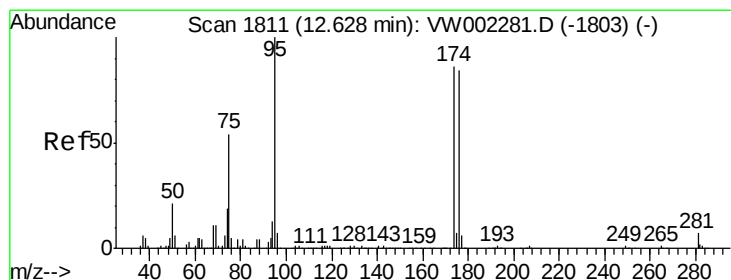
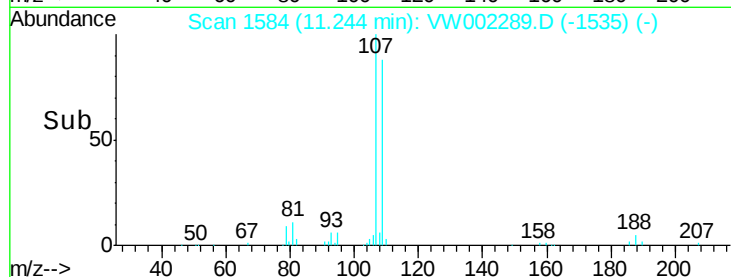
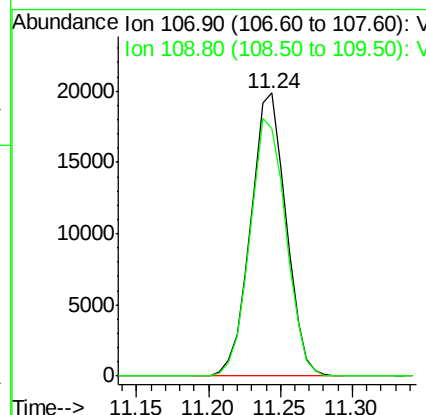
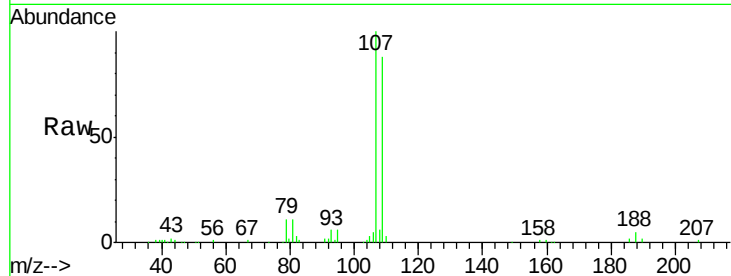




#61
 1,2-Dibromoethane
 Concen: 17.30 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

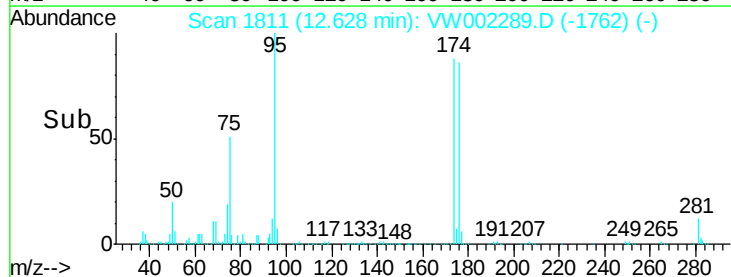
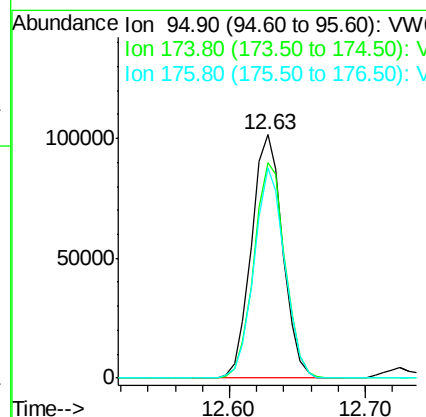
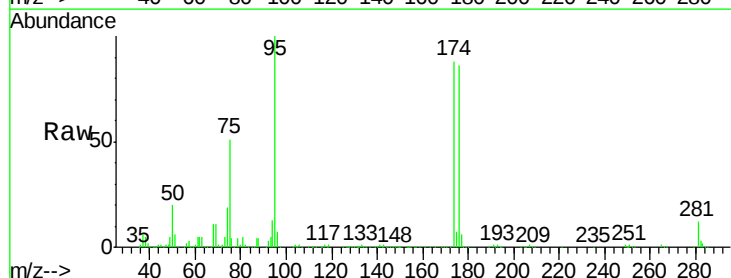
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

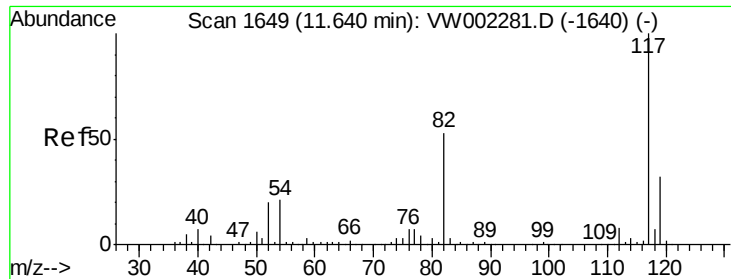
Tot Ion:107 Resp: 33709
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.60 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion: 95 Resp: 164110
 Ion Ratio Lower Upper
 95 100
 174 88.2 0.0 176.8
 176 84.7 0.0 170.4

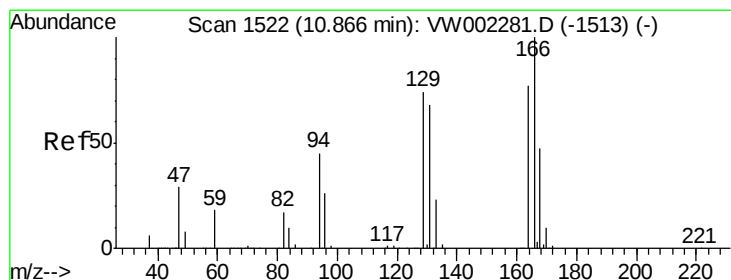
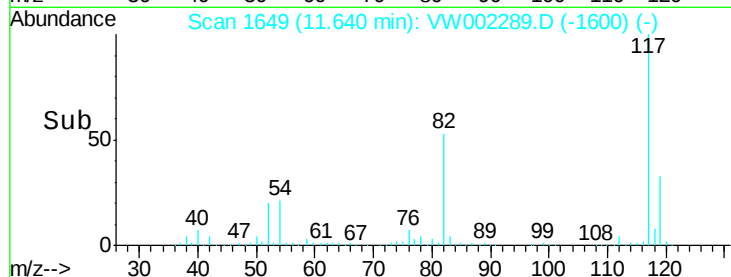
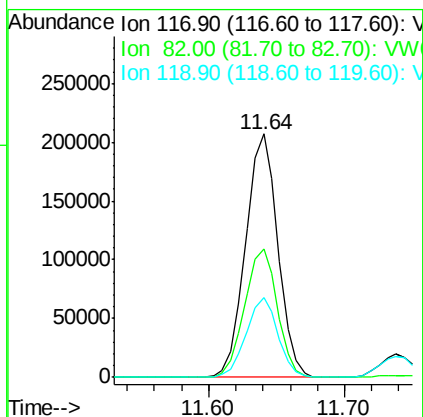
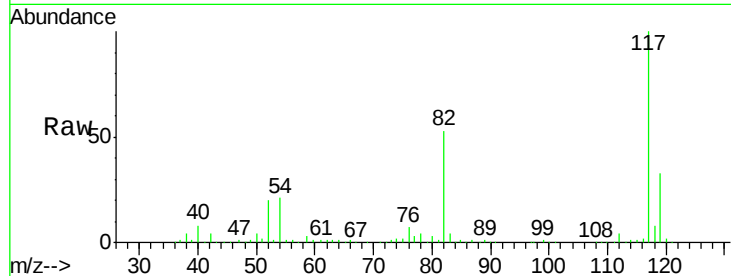




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

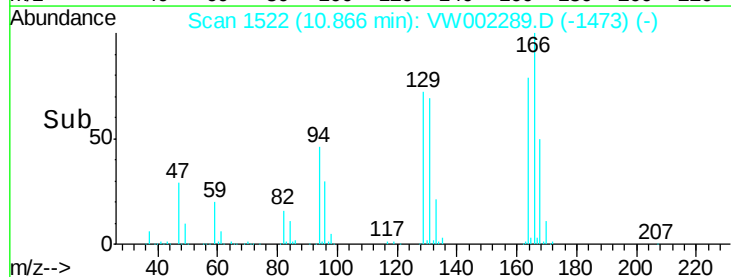
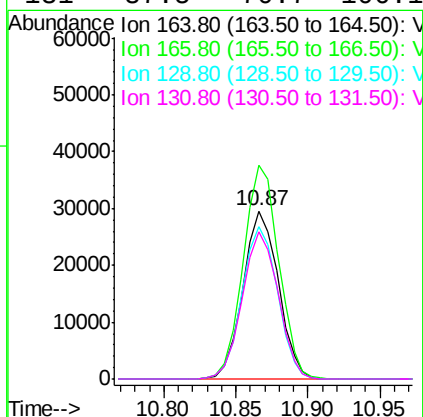
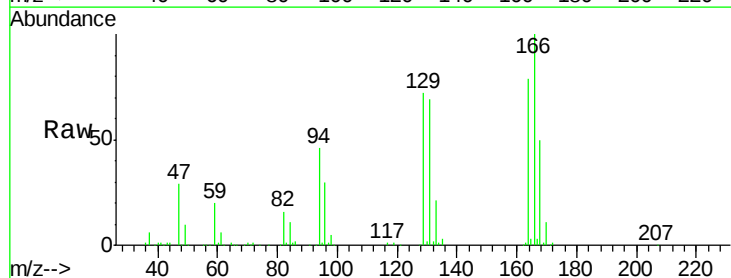
Instrument :
MSVOA_W
ClientSampled :
VW0508SBS01

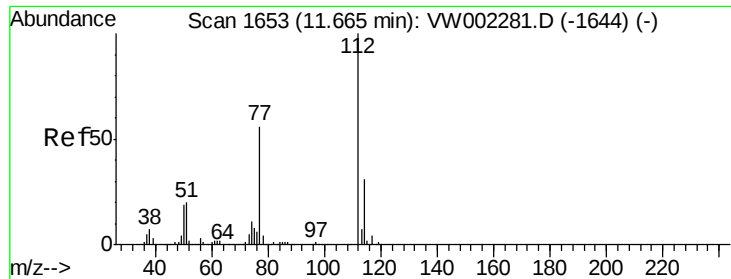
Tot Ion:117 Resp: 343636
Ion Ratio Lower Upper
117 100
82 52.5 42.6 63.8
119 32.7 25.2 37.8



#64
Tetrachloroethene
Concen: 19.01 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion:164 Resp: 50281
Ion Ratio Lower Upper
164 100
166 127.1 103.3 154.9
129 91.0 76.6 114.8
131 87.5 70.7 106.1

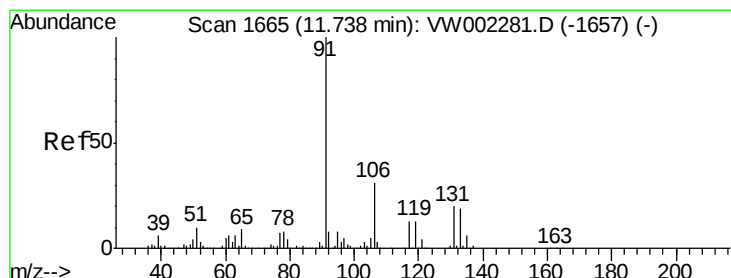
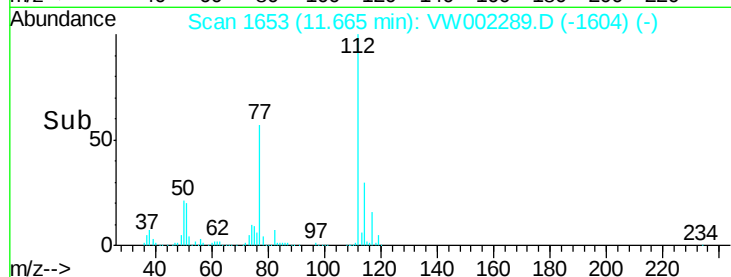
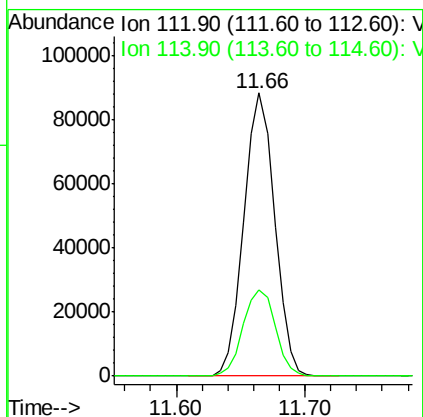
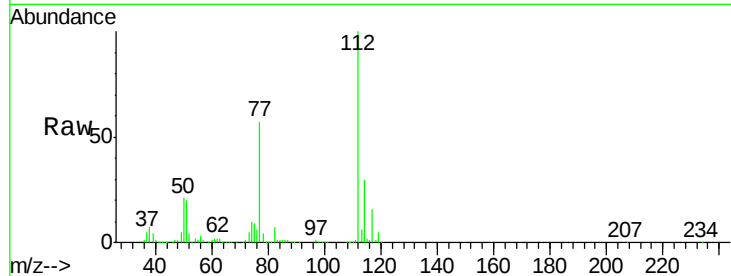




#65
Chlorobenzene
Concen: 20.82 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

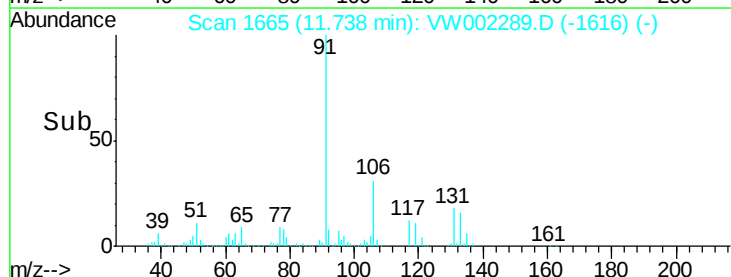
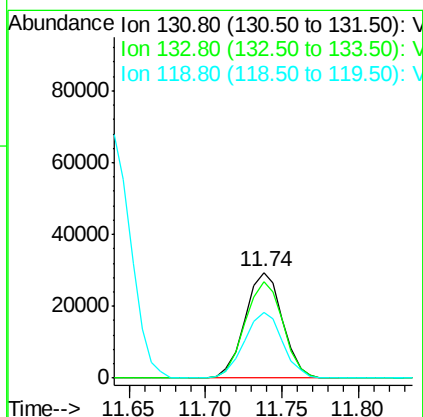
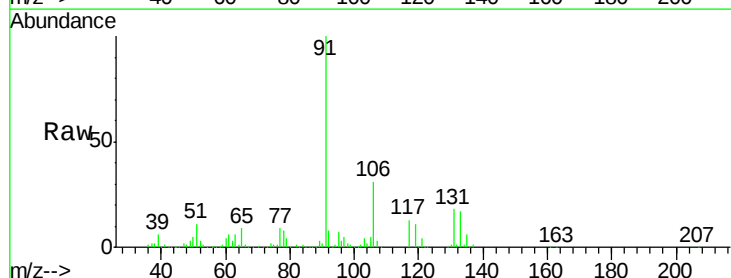
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

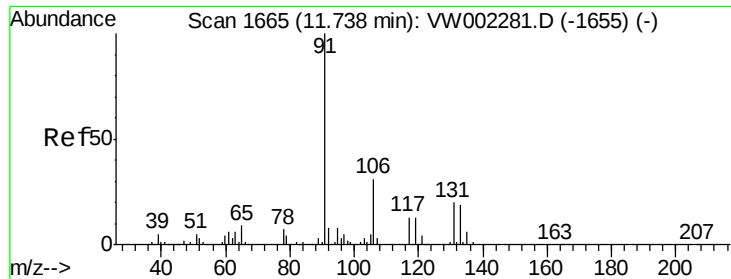
Tot Ion:112 Resp: 146202
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.95 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion:131 Resp: 49920
Ion Ratio Lower Upper
131 100
133 92.9 47.8 143.3
119 63.7 32.0 96.0

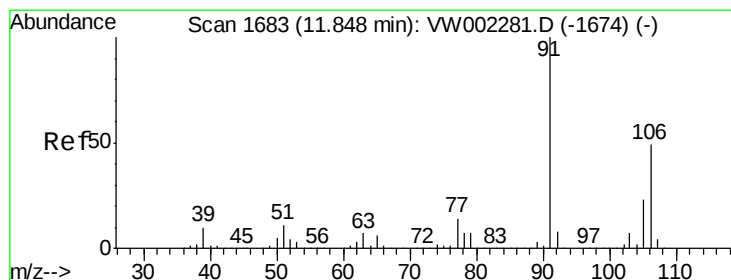
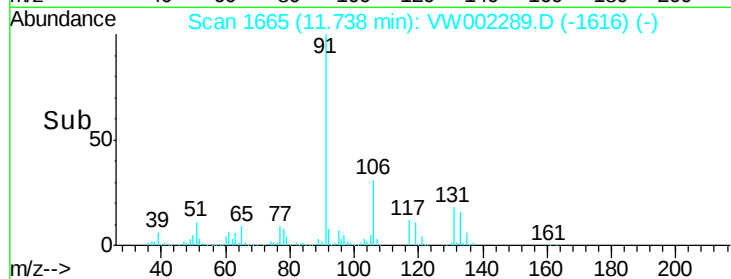
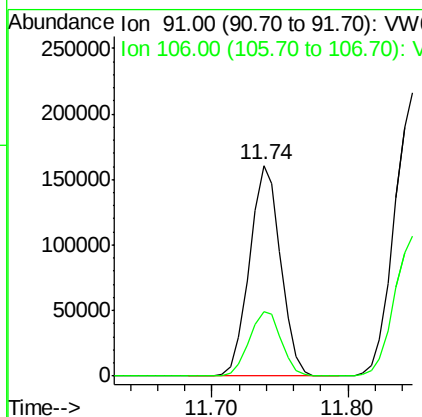
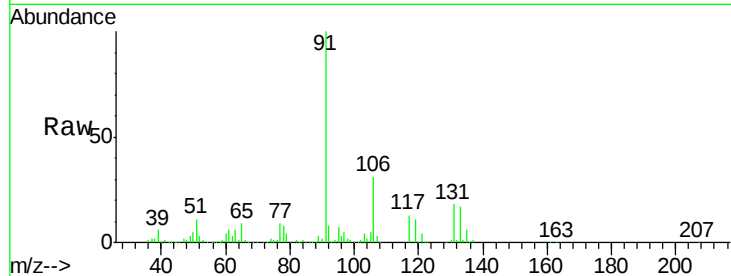




#67
Ethyl Benzene
Concen: 21.34 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

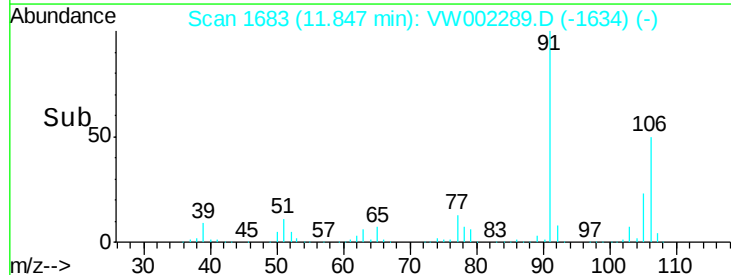
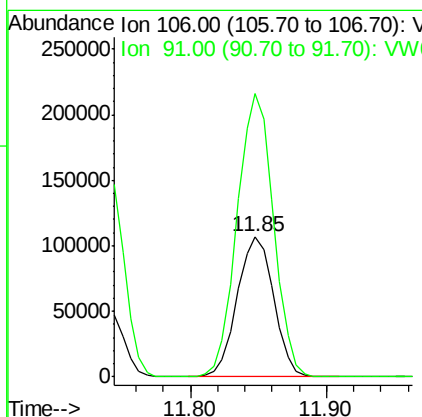
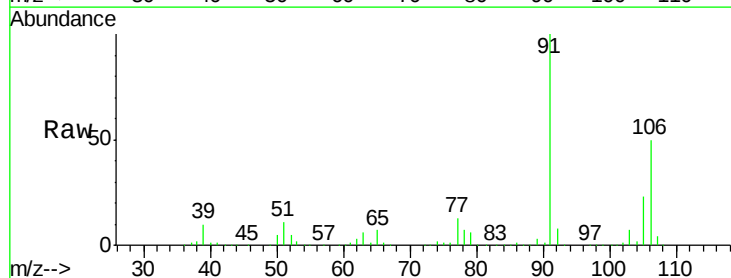
Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

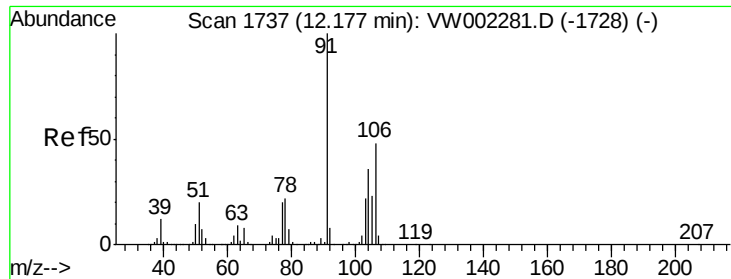
Tot Ion: 91 Resp: 257568
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



#68
m/p-Xylenes
Concen: 43.08 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion: 106 Resp: 200591
Ion Ratio Lower Upper
106 100
91 200.5 161.4 242.0

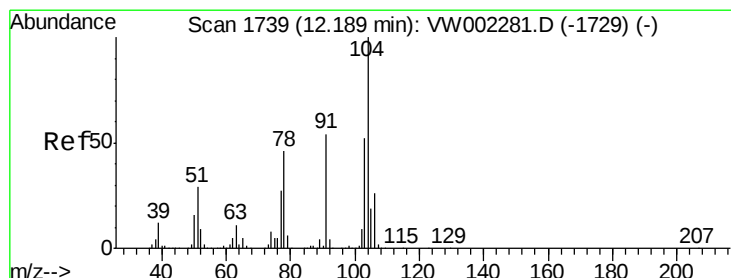
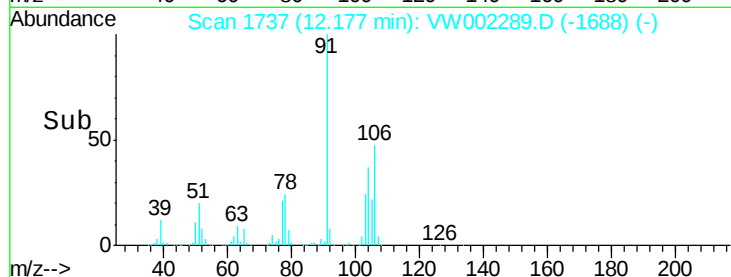
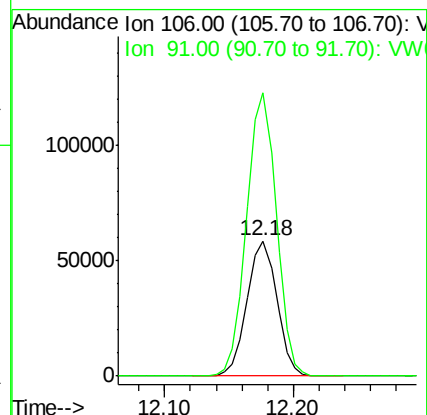
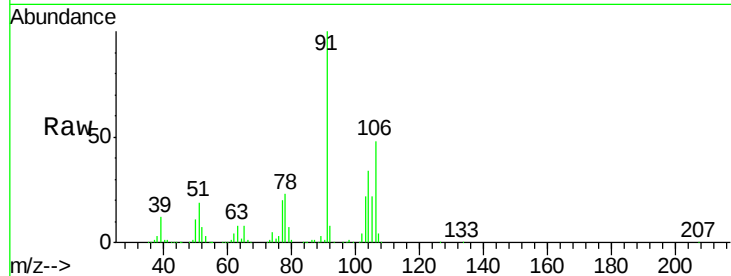




#69
o-Xylene
Concen: 21.22 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

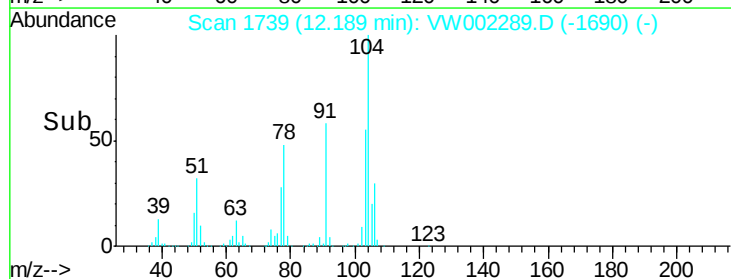
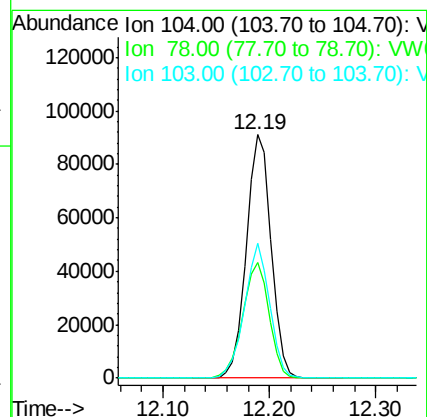
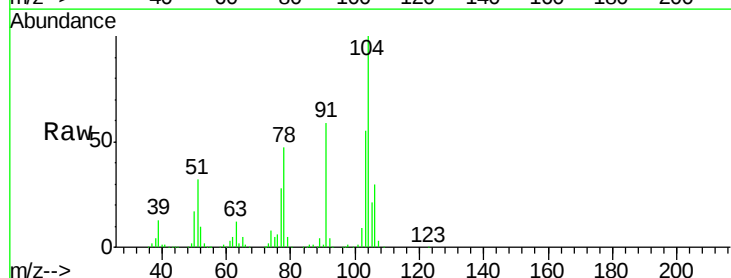
Instrument :
MSVOA_W
ClientSampled :
VW0508SBS01

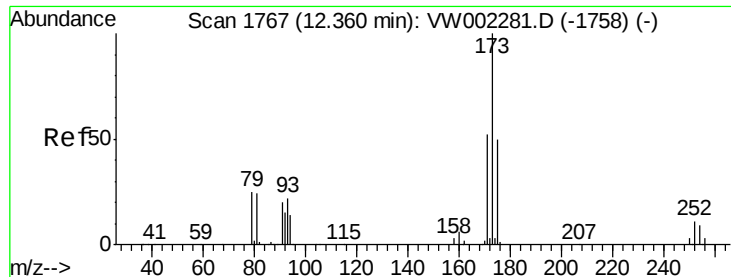
Tot Ion:106 Resp: 93969
Ion Ratio Lower Upper
106 100
91 208.9 107.1 321.1



#70
Styrene
Concen: 20.25 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion:104 Resp: 148891
Ion Ratio Lower Upper
104 100
78 50.7 39.6 59.4
103 56.3 44.4 66.6





#71

Bromoform

Concen: 17.33 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

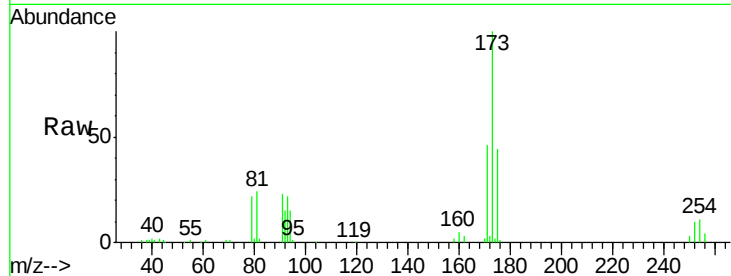
Tot Ion:173 Resp: 24872

Ion Ratio Lower Upper

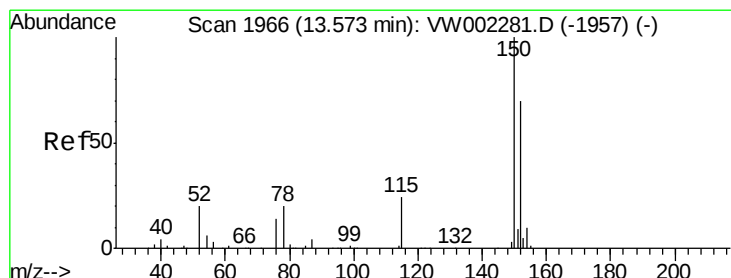
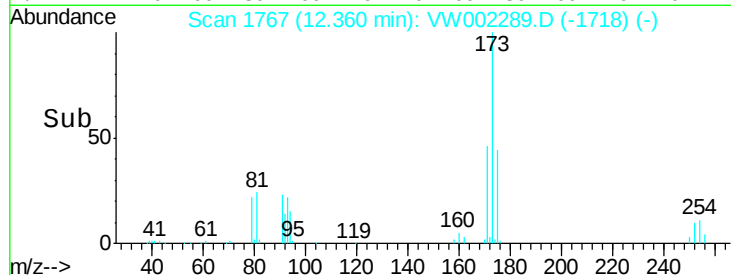
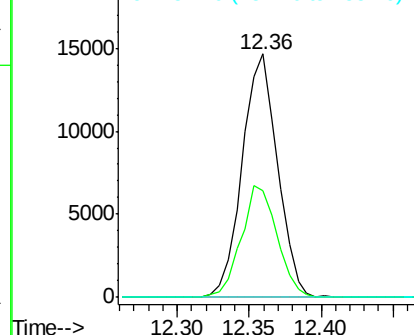
173 100

175 46.5 24.3 72.9

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: VW002289.D

Acq: 08 May 2018 13:07

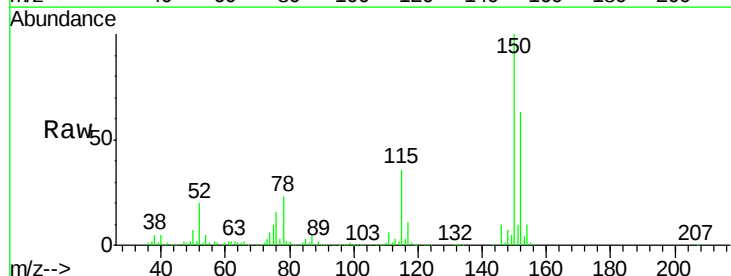
Tgt Ion:152 Resp: 182664

Ion Ratio Lower Upper

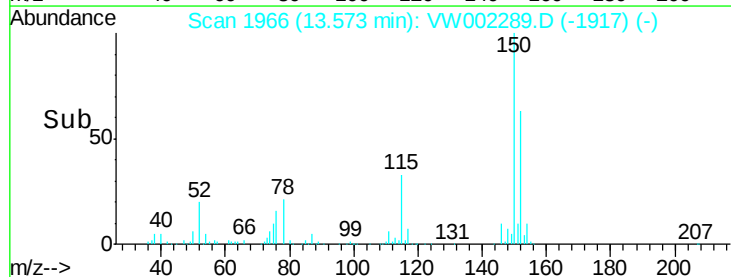
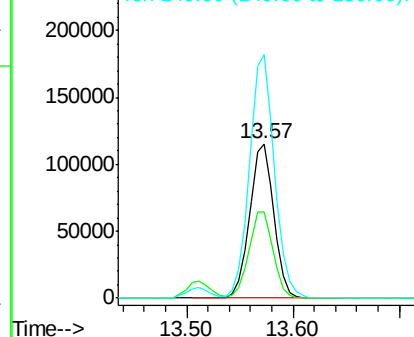
152 100

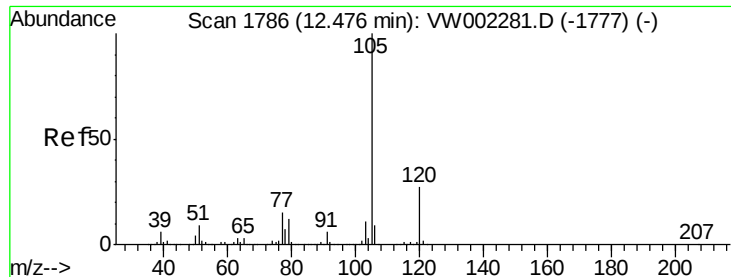
115 56.7 28.5 85.5

150 163.3 0.0 342.6



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: 22.02 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

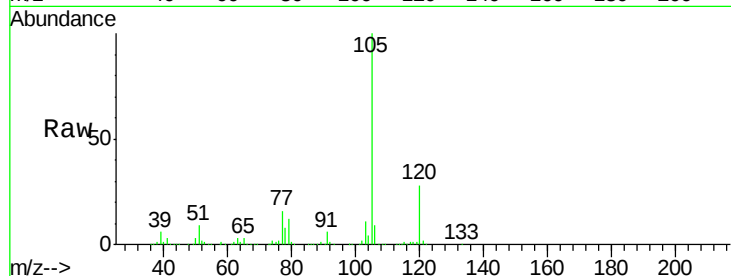
VW0508SBS01

Tot Ion:105 Resp: 261279

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

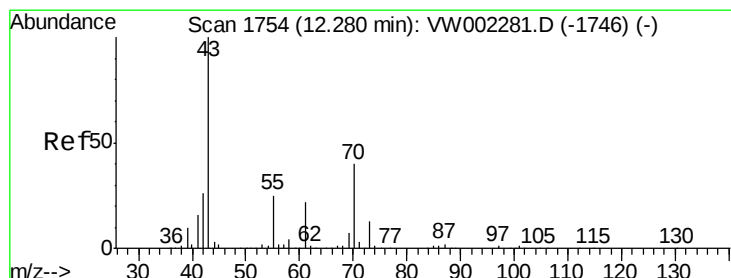
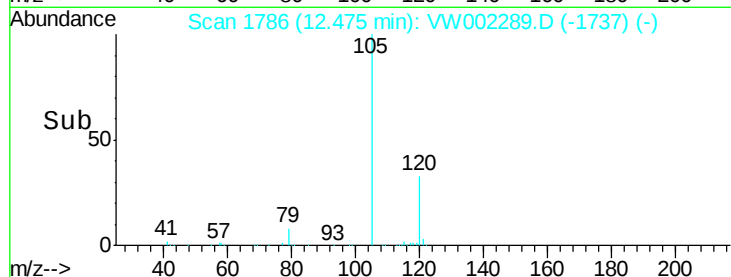
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 16.37 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.01 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Tgt Ion: 43 Resp: 48592

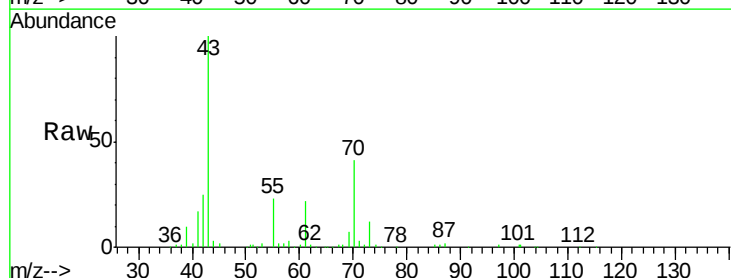
Ion Ratio Lower Upper

43 100

70 43.3 31.9 47.9

55 26.1 19.9 29.9

61 24.1 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

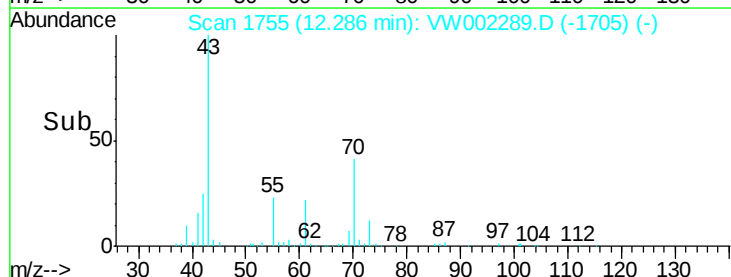
30000

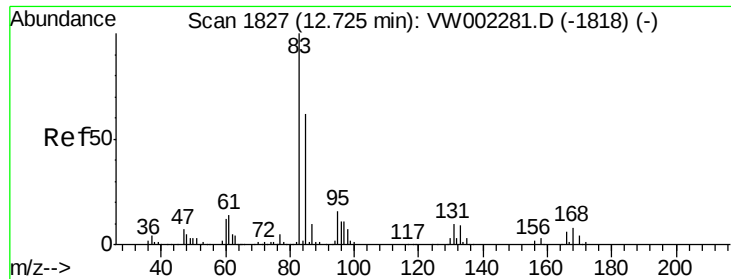
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.44 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

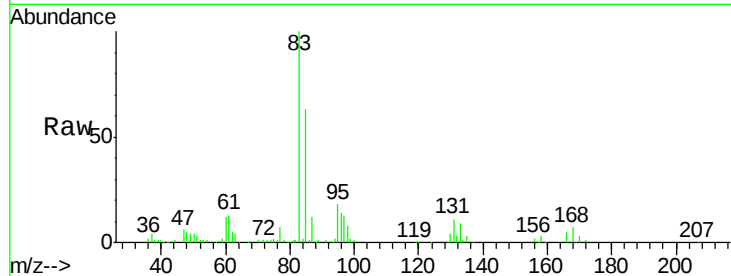
Tot Ion: 83 Resp: 39997

Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.5

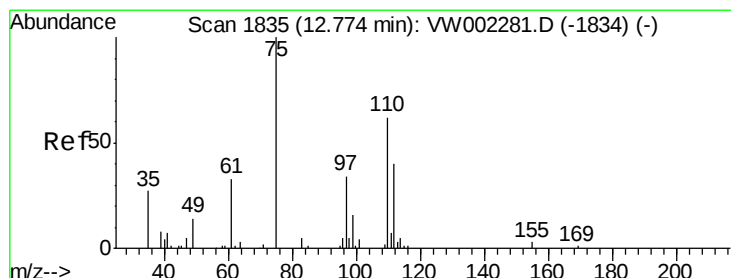
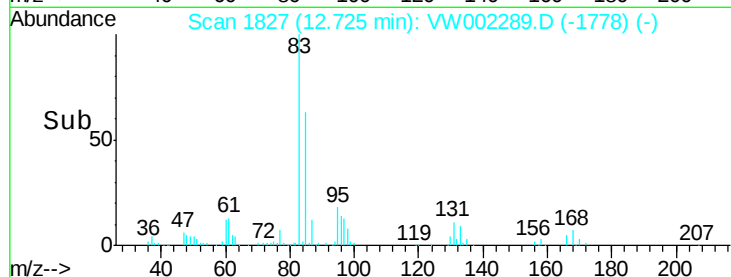
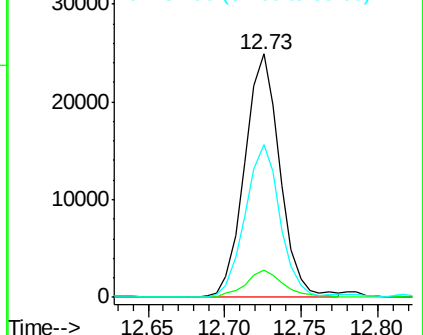
85 61.6 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 18.56 ug/l m

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002289.D

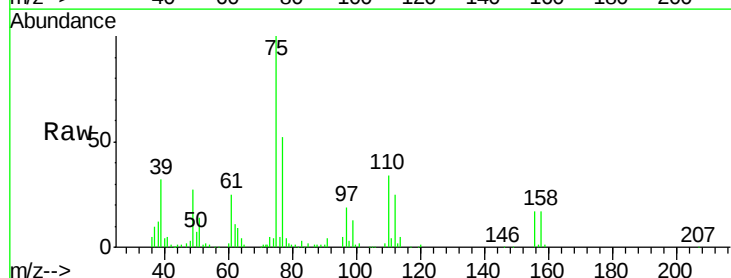
Acq: 08 May 2018 13:07

Tgt Ion: 75 Resp: 30065

Ion Ratio Lower Upper

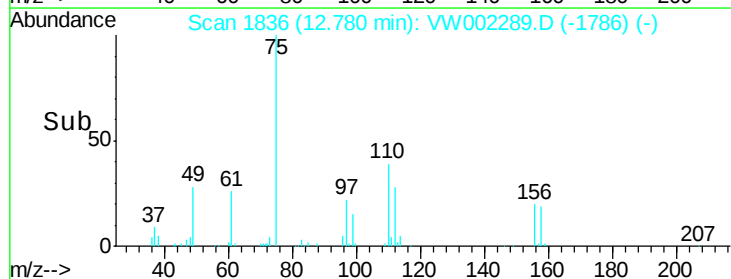
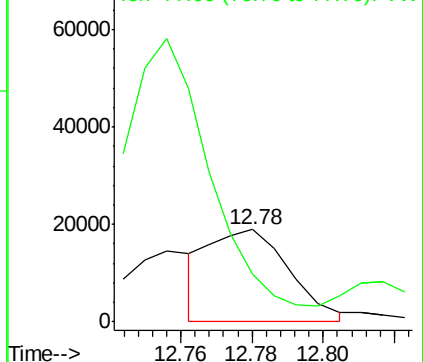
75 100

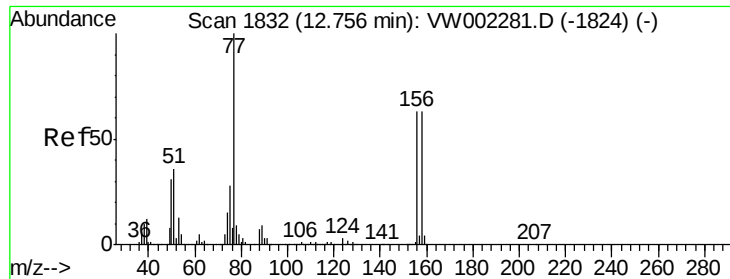
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.11 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

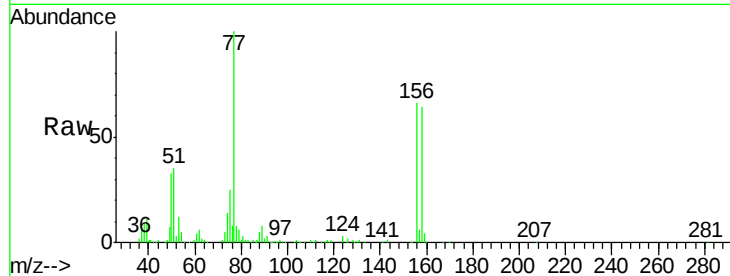
Tot Ion:156 Resp: 60152

Ion Ratio Lower Upper

156 100

77 173.9 87.7 263.1

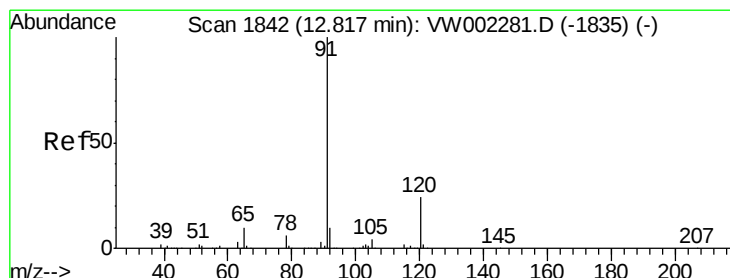
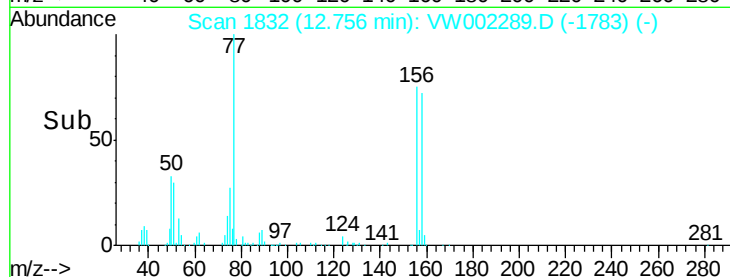
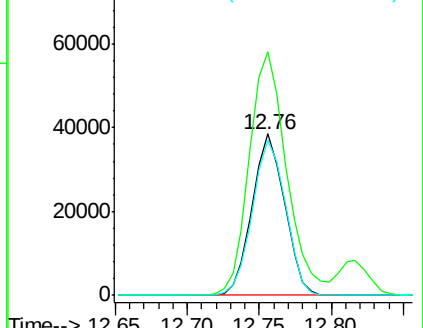
158 98.3 48.6 145.8



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: 22.47 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002289.D

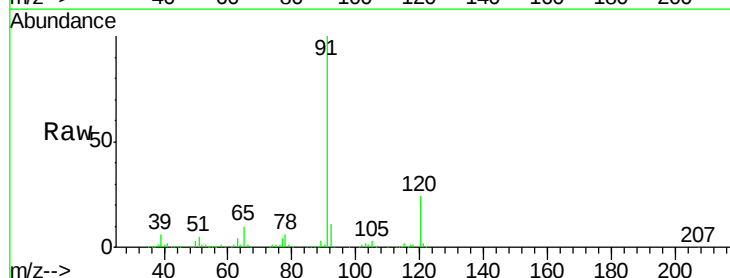
Acq: 08 May 2018 13:07

Tgt Ion: 91 Resp: 316038

Ion Ratio Lower Upper

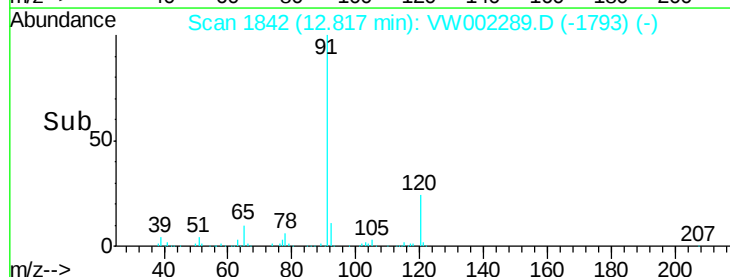
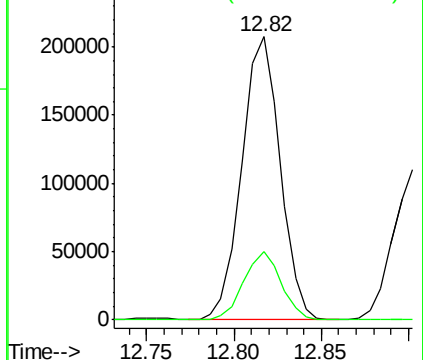
91 100

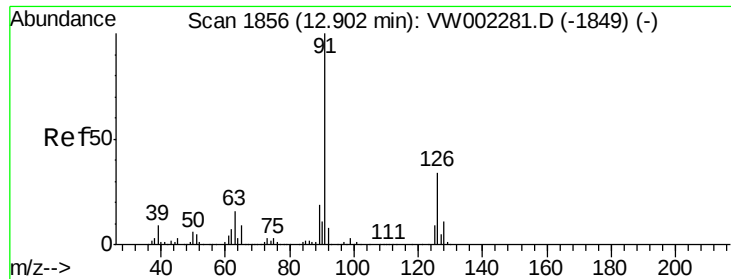
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

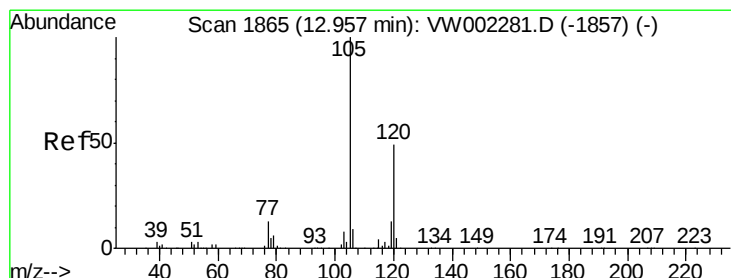
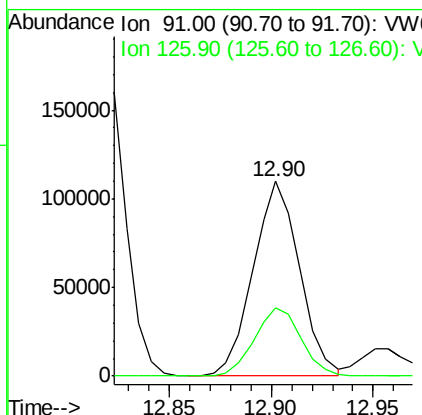
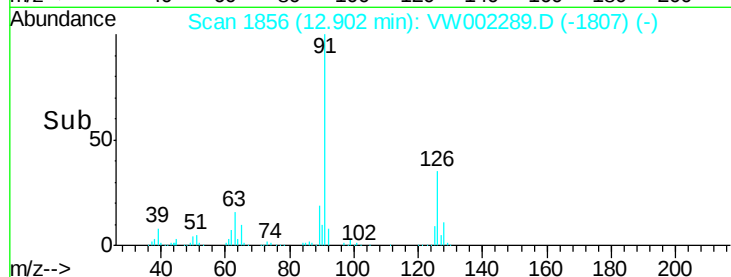
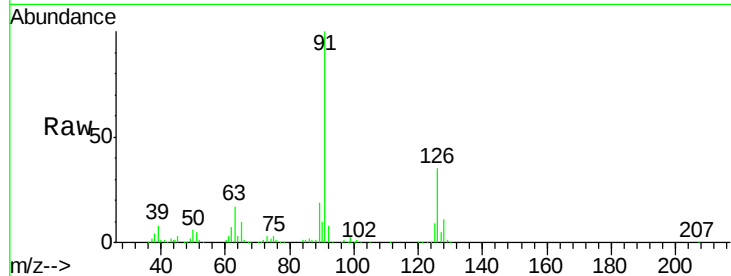




#79
 2-Chlorotoluene
 Concen: 21.37 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

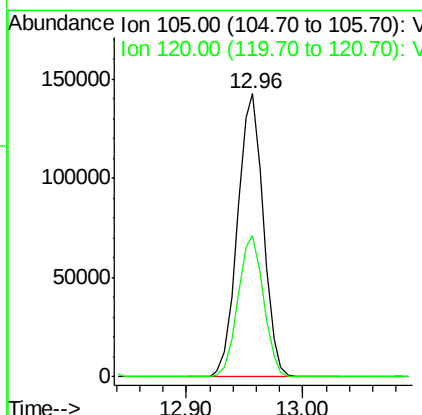
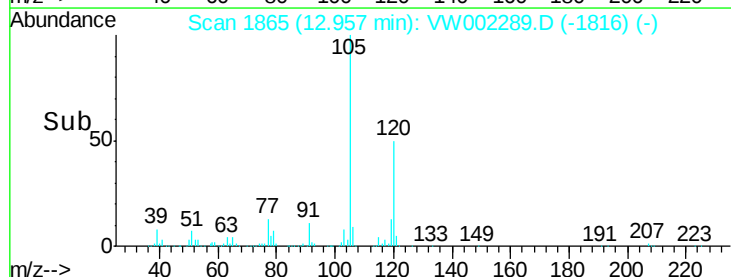
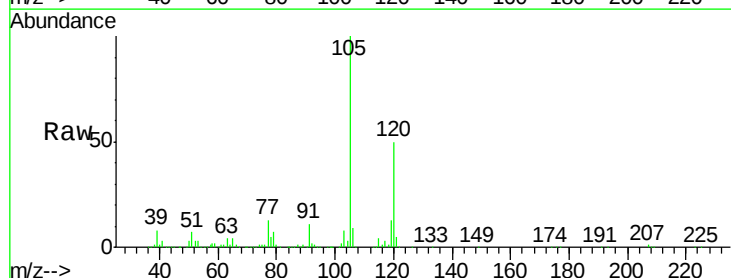
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

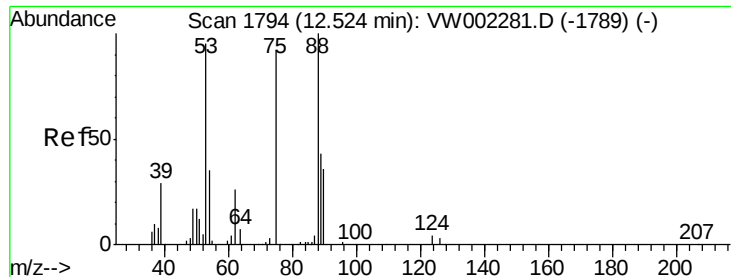
Tot Ion: 91 Resp: 173106
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.03 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion:105 Resp: 219842
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.04 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

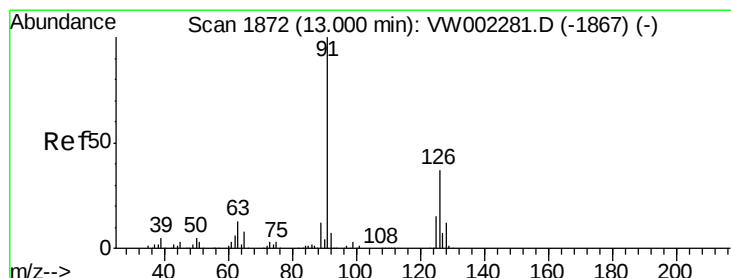
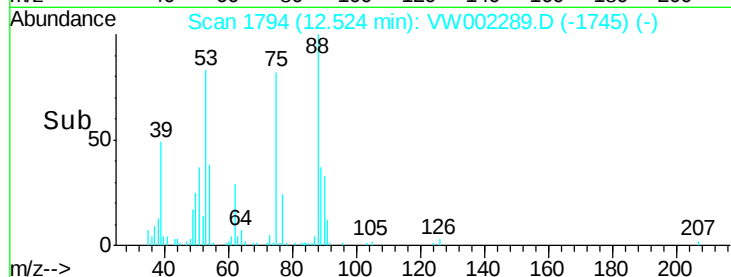
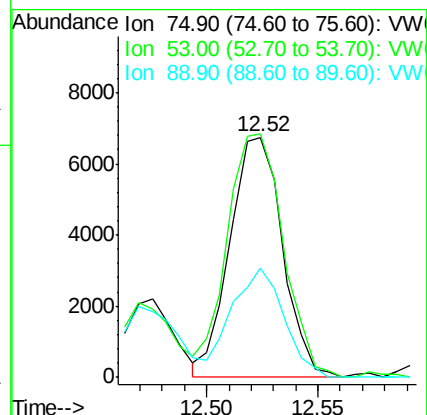
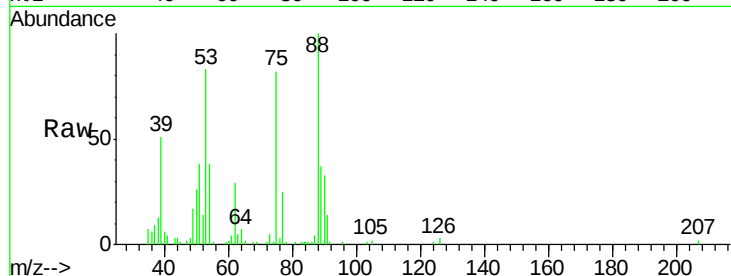
Tot Ion: 75 Resp: 11091

Ion Ratio Lower Upper

75 100

53 108.4 79.9 119.9

89 44.7 37.6 56.4



#82

4-Chlorotoluene

Concen: 21.45 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002289.D

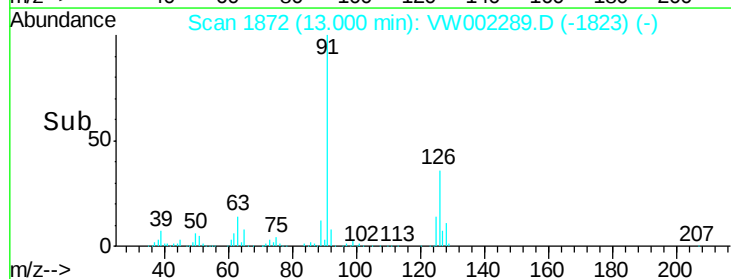
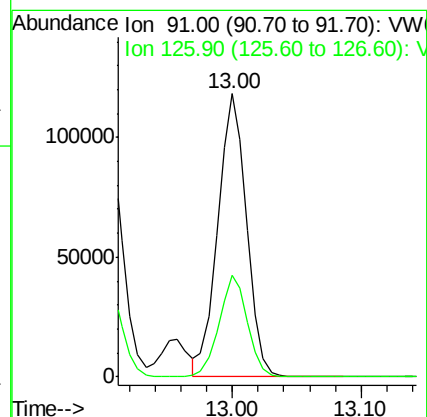
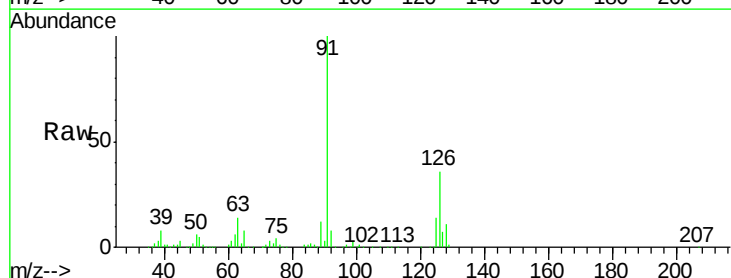
Acq: 08 May 2018 13:07

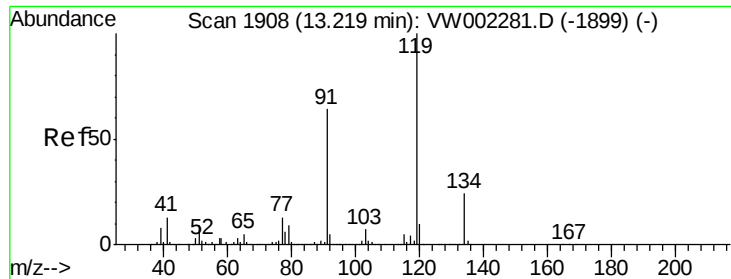
Tgt Ion: 91 Resp: 184741

Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3

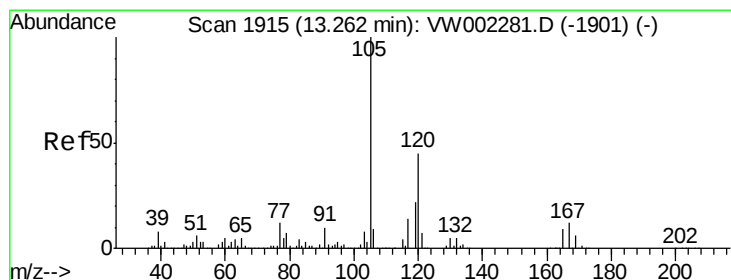
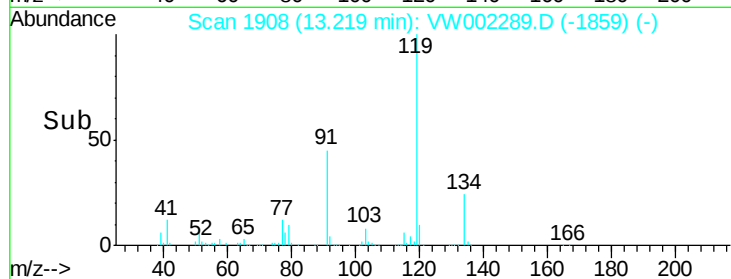
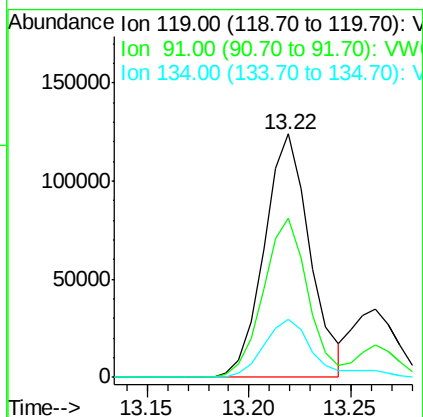
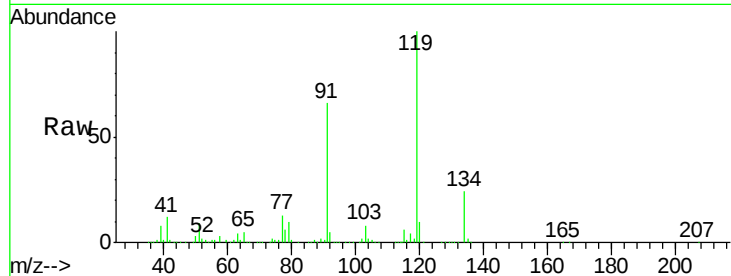




#83
 tert-Butylbenzene
 Concen: 22.56 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

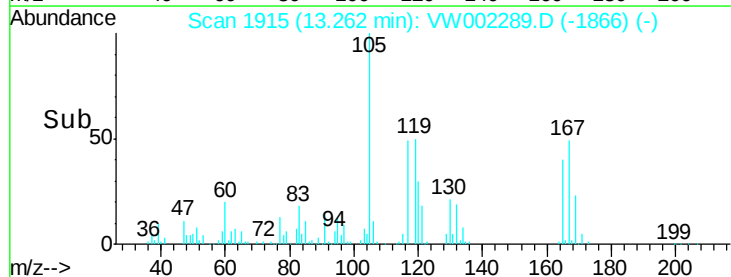
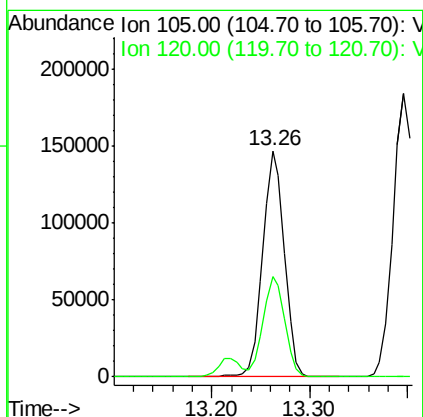
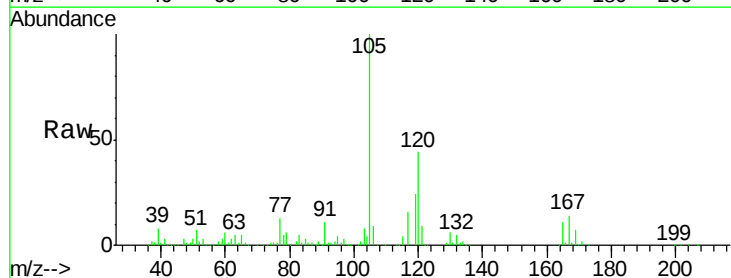
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

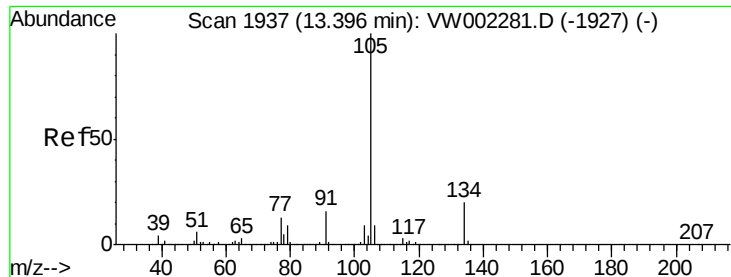
Tot Ion:119 Resp: 193899
 Ion Ratio Lower Upper
 119 100
 91 63.5 31.6 94.8
 134 26.5 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.81 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion:105 Resp: 225664
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.5 67.5





#85

sec-Butylbenzene

Concen: 22.72 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

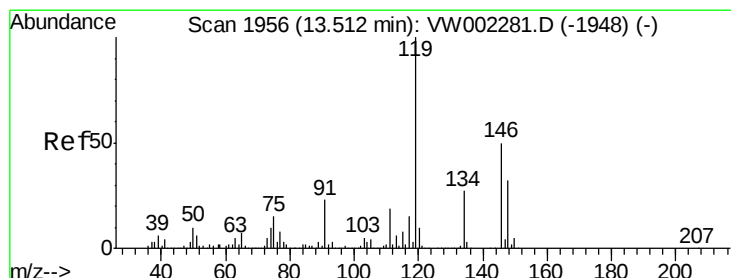
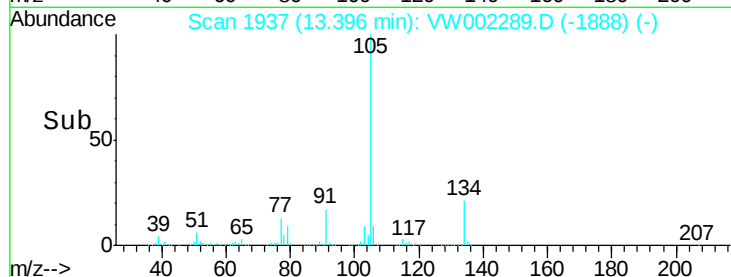
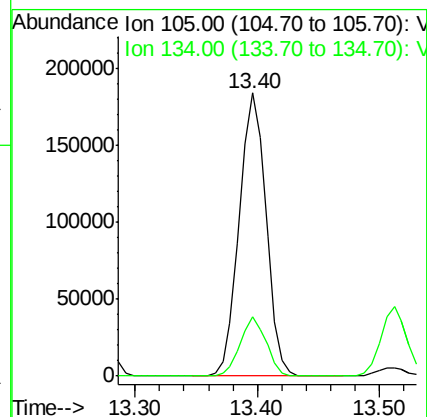
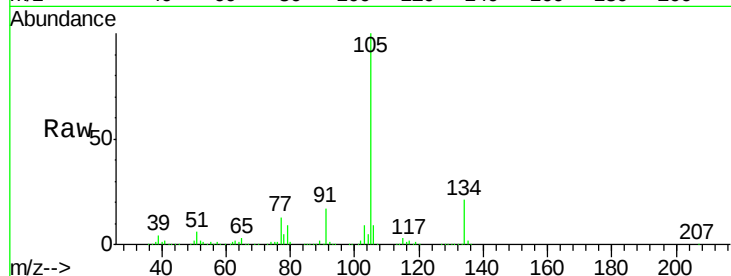
VW0508SBS01

Tot Ion:105 Resp: 278768

Ion Ratio Lower Upper

105 100

134 20.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 22.67 ug/l

RT: 13.51 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

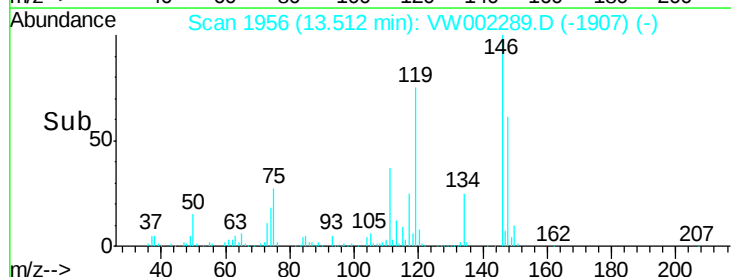
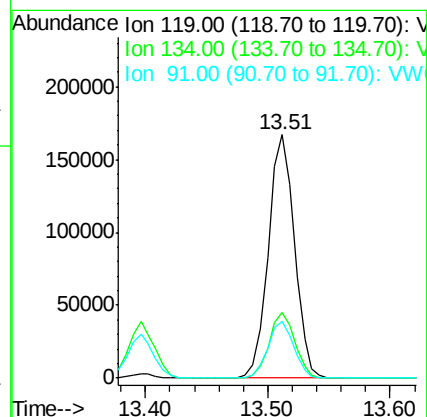
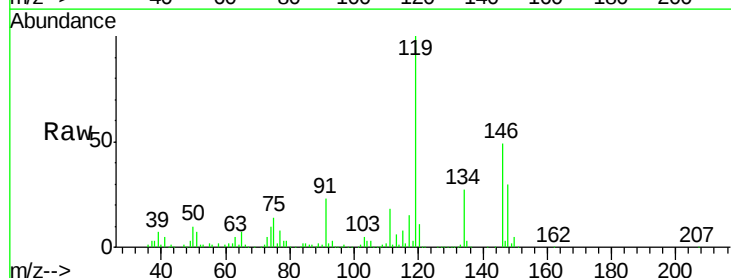
Tgt Ion:119 Resp: 248730

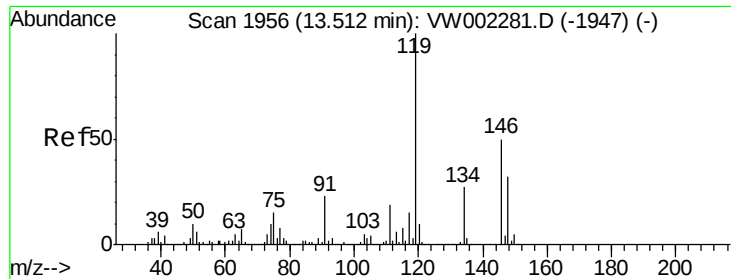
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.3 11.8 35.3

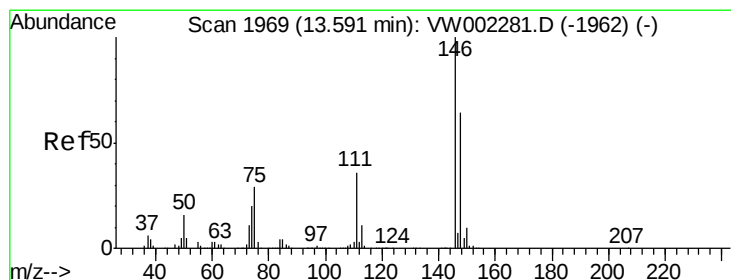
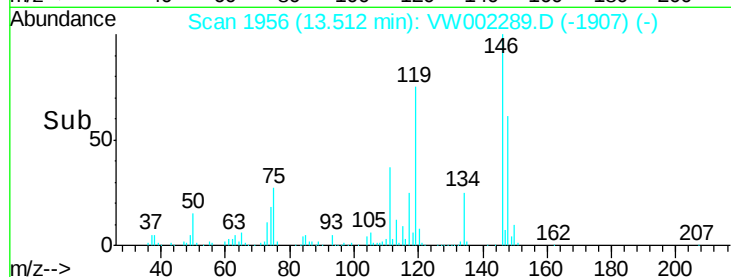
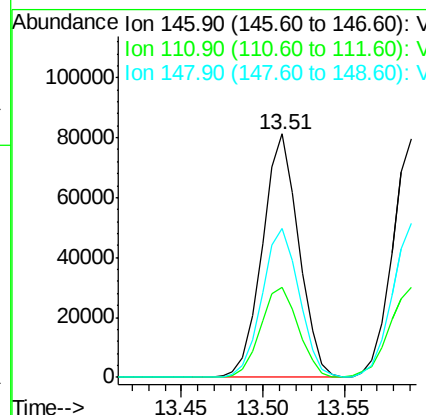
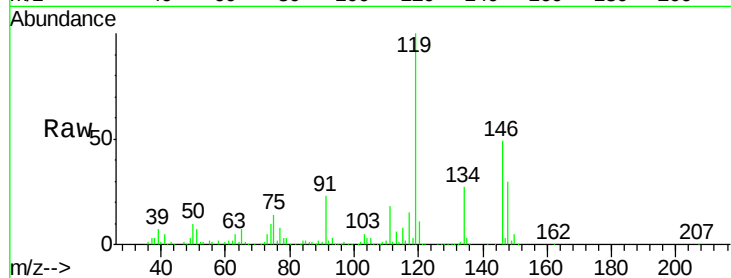




#87
 1,3-Dichlorobenzene
 Concen: 21.18 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

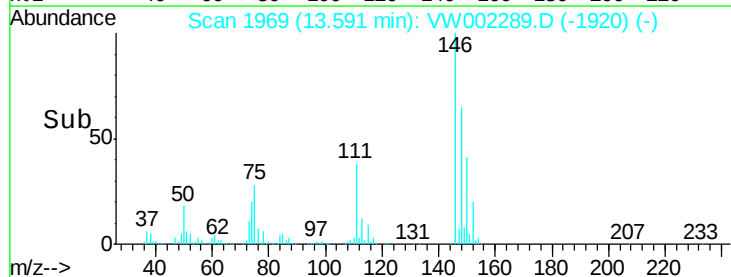
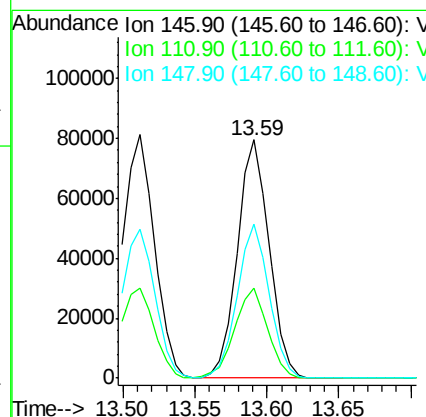
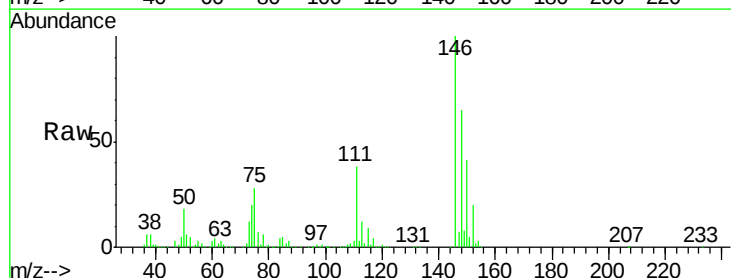
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

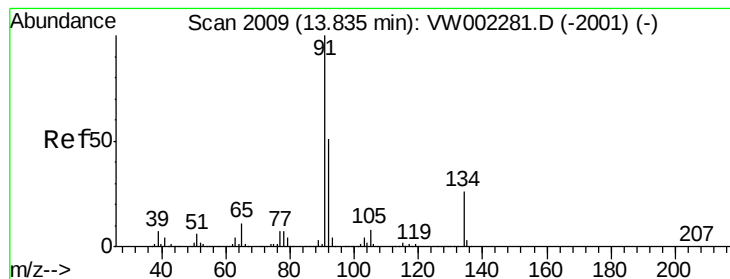
Tot Ion:146 Resp: 125375
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.3 57.8
 148 62.7 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 20.75 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion:146 Resp: 122630
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.0 57.0
 148 64.8 32.3 96.9





#89

n-Butylbenzene

Concen: 23.14 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VW002289.D

Acq: 08 May 2018 13:07

Instrument :

MSVOA_W

ClientSampleId :

VW0508SBS01

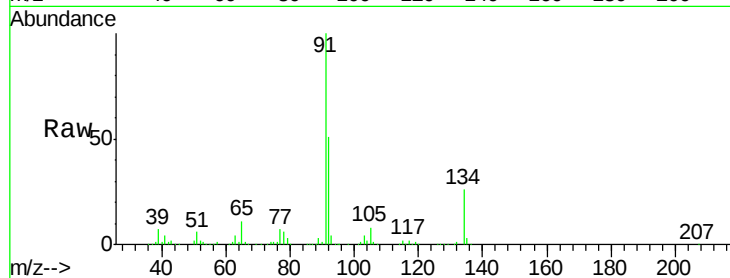
Tot Ion: 91 Resp: 237530

Ion Ratio Lower Upper

91 100

92 51.9 25.9 77.8

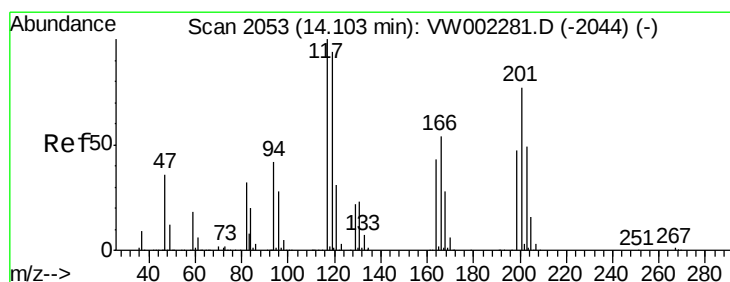
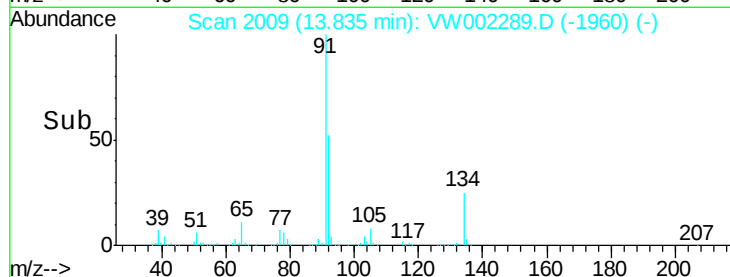
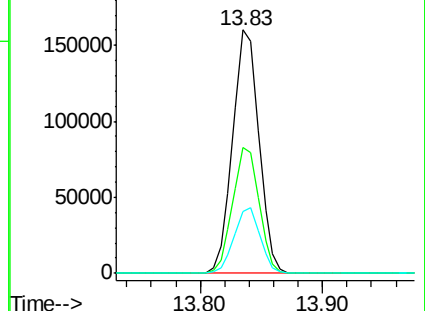
134 26.9 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 21.81 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. 0.01 min

Lab File: VW002289.D

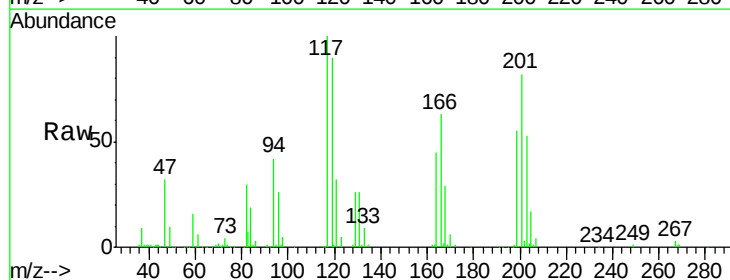
Acq: 08 May 2018 13:07

Tgt Ion: 117 Resp: 42775

Ion Ratio Lower Upper

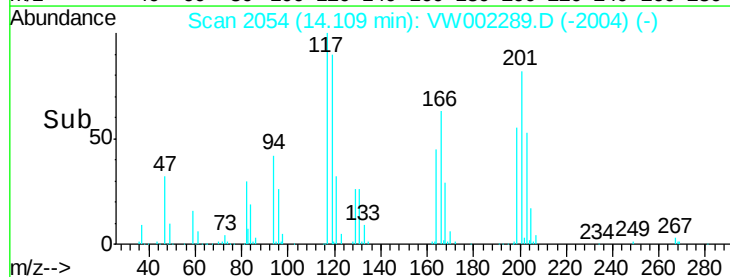
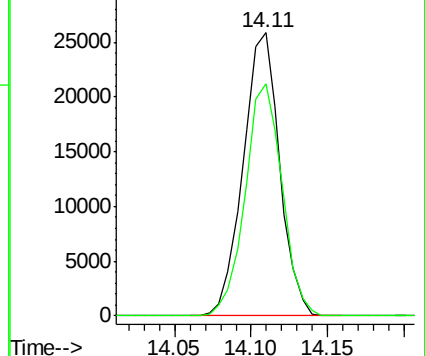
117 100

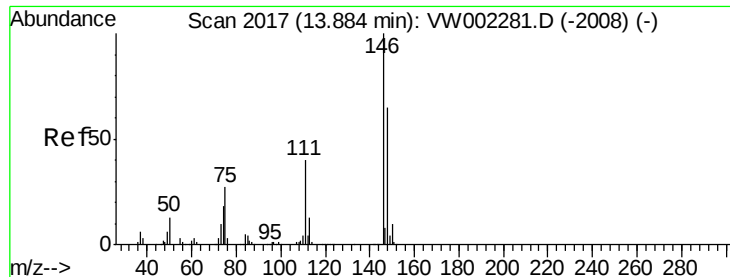
201 83.0 42.2 126.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

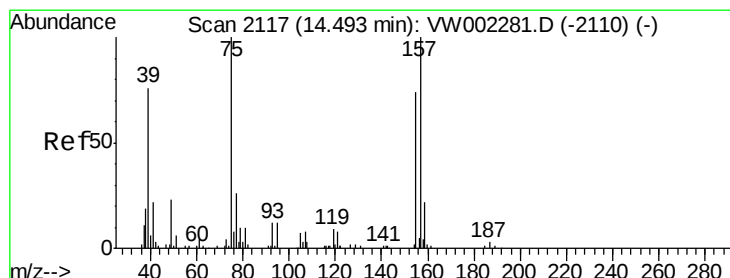
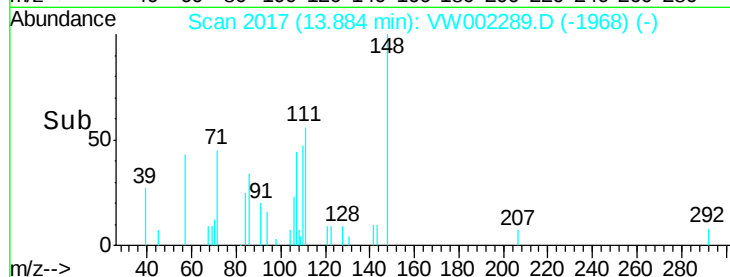
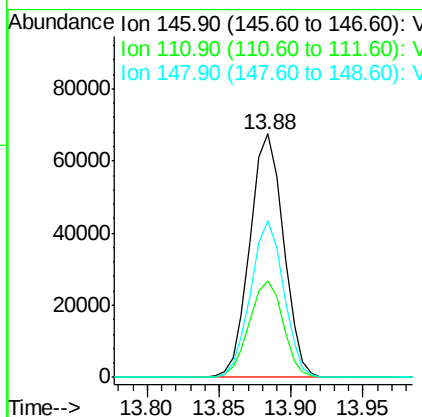
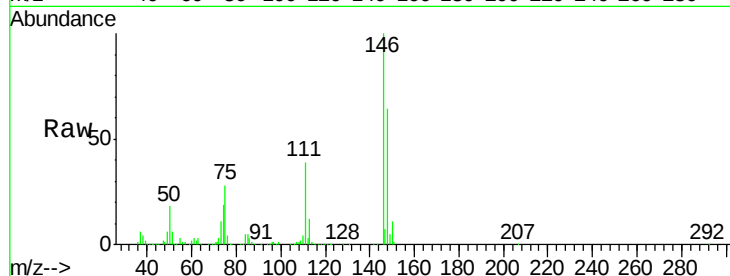




#91
 1,2-Dichlorobenzene
 Concen: 20.34 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

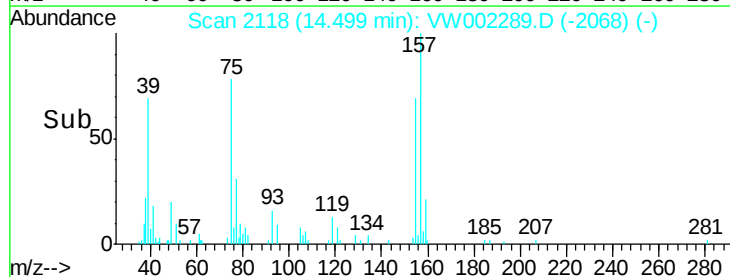
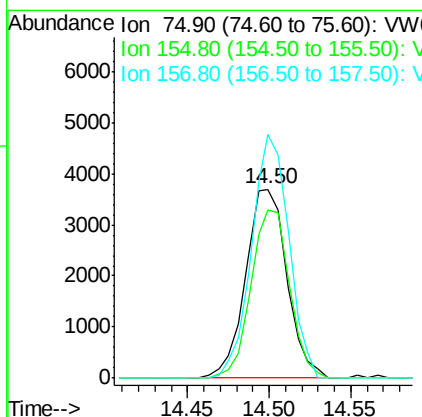
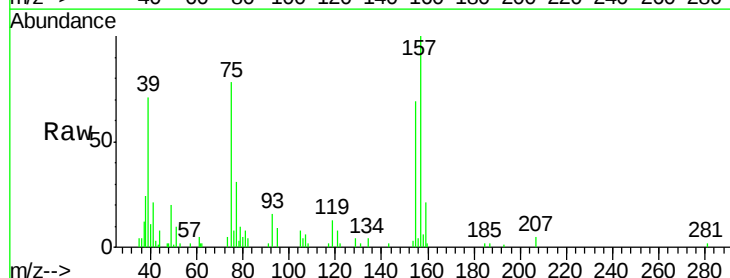
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

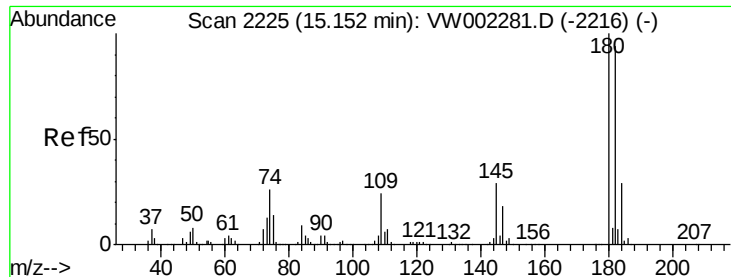
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.5	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.49 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. 0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	43.3	129.8
157	115.8	55.8	167.4

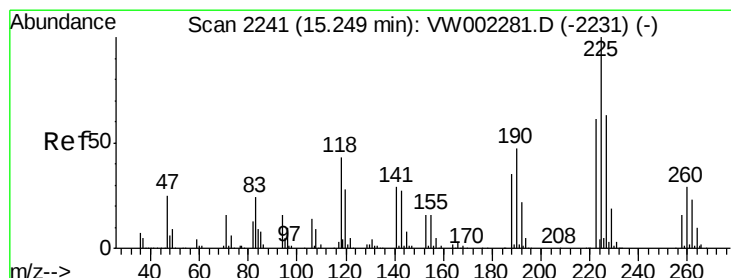
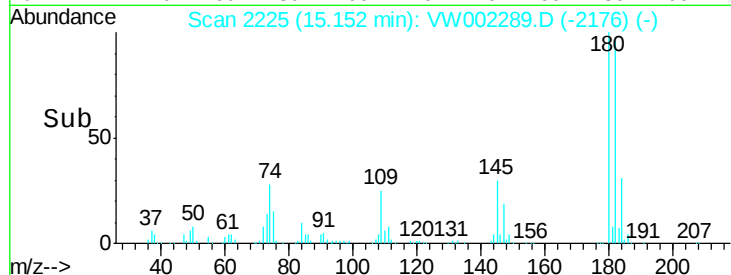
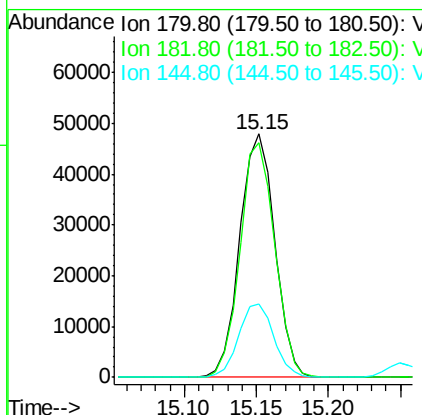
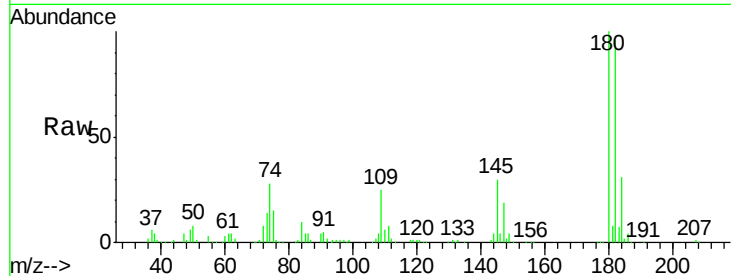




#93
 1,2,4-Trichlorobenzene
 Concen: 20.98 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

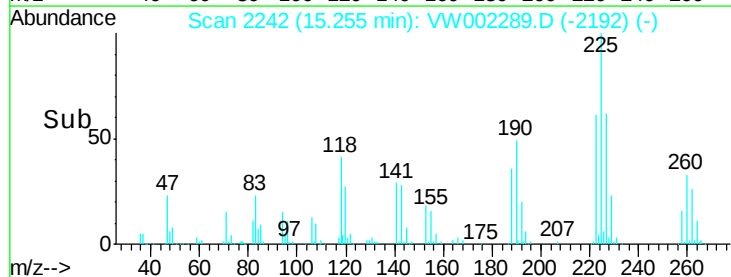
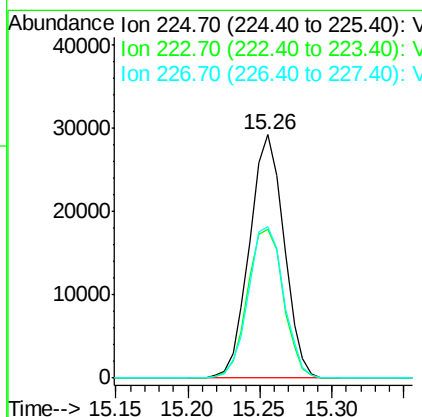
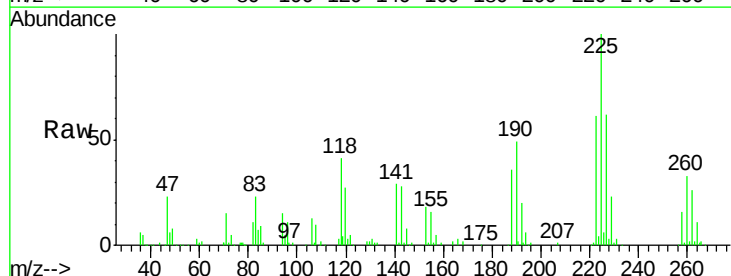
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0508SBS01

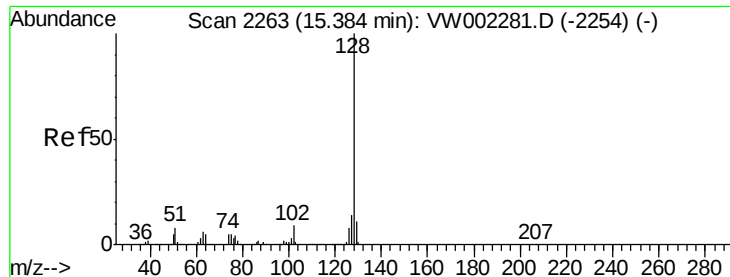
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.3	141.8
145	30.4	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 22.72 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002289.D
 Acq: 08 May 2018 13:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.9	92.7
227	63.7	32.0	96.0

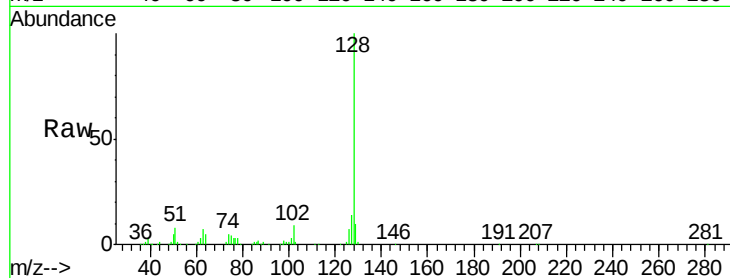




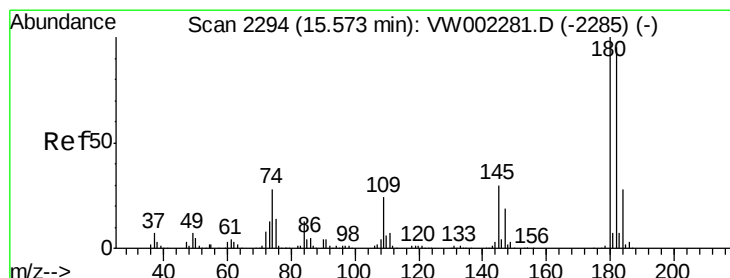
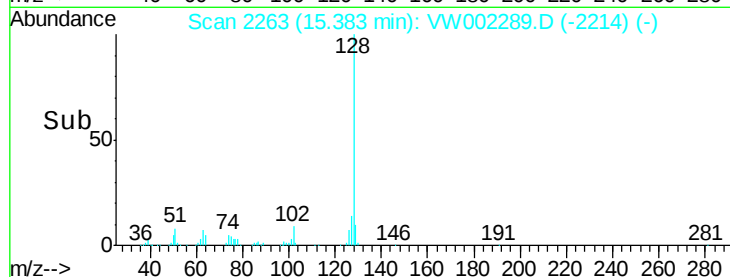
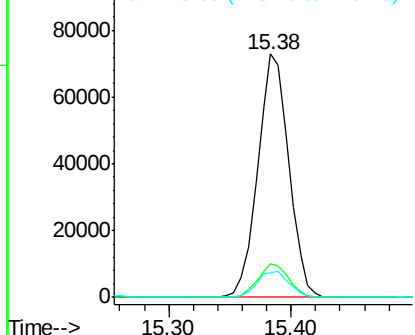
#95
Naphthalene
Concen: 18.22 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Instrument :
MSVOA_W
ClientSampleId :
VW0508SBS01

Tot Ion:128 Resp: 128618
Ion Ratio Lower Upper
128 100
127 13.7 11.0 16.4
129 11.1 8.7 13.1

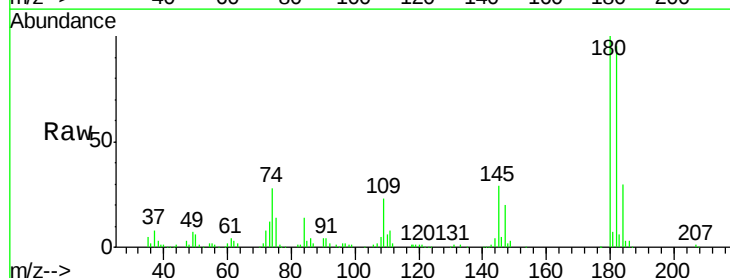


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.90 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VW002289.D
Acq: 08 May 2018 13:07

Tgt Ion:180 Resp: 68533
Ion Ratio Lower Upper
180 100
182 94.4 48.0 144.0
145 31.2 15.7 47.0



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

