

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002347.D
 Acq On : 10 May 2018 00:30
 Operator : JC/SY
 Sample : VW0509SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

Quant Time: May 10 07:28:27 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	225446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	343475	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	318457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174103	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	118706	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.88	113	110832	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.33	98	422306	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.63	95	151582	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	15230	17.87	ug/l	97
3) Chloromethane	2.21	50	33567	19.40	ug/l	96
4) Vinyl Chloride	2.36	62	52110	18.26	ug/l	99
5) Bromomethane	2.76	94	46073	20.08	ug/l	99
6) Chloroethane	2.92	64	39020	20.26	ug/l	97
7) Trichlorofluoromethane	3.24	101	21467	18.42	ug/l	98
8) Diethyl Ether	3.67	74	32751	25.11	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	39803	19.34	ug/l	99
10) Methyl Iodide	4.26	142	64639	19.35	ug/l	100
11) Tert butyl alcohol	5.19	59	18190	104.53	ug/l #	80
12) 1,1-Dichloroethene	4.03	96	39361	19.29	ug/l	97
13) Acrolein	3.88	56	14558	99.92	ug/l	97
14) Allyl chloride	4.65	41	53925	17.98	ug/l	96
15) Acrylonitrile	5.37	53	50813	99.30	ug/l	98
16) Acetone	4.12	43	49409	105.67	ug/l	98
17) Carbon Disulfide	4.37	76	110753	18.66	ug/l	99
18) Methyl Acetate	4.67	43	26270	18.73	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	70374	19.73	ug/l	99
20) Methylene Chloride	4.90	84	48246	21.40	ug/l	96
21) trans-1,2-Dichloroethene	5.40	96	43380	19.69	ug/l	96
22) Diisopropyl ether	6.31	45	128160	19.50	ug/l	98
23) Vinyl Acetate	6.26	43	389865	99.04	ug/l	100
24) 1,1-Dichloroethane	6.21	63	77180	19.37	ug/l	98
25) 2-Butanone	7.18	43	70638	101.75	ug/l	96
26) 2,2-Dichloropropane	7.17	77	38337	19.30	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	49000	19.74	ug/l	99
28) Bromochloromethane	7.51	49	34946	19.38	ug/l	99
29) Tetrahydrofuran	7.53	42	45264	99.41	ug/l	100
30) Chloroform	7.67	83	82417	19.75	ug/l	95
31) Cyclohexane	7.95	56	67500	18.97	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	61155	19.50	ug/l	100
36) 1,1-Dichloropropene	8.08	75	61994	19.96	ug/l	99
37) Ethyl Acetate	7.26	43	31247	20.64	ug/l	98
38) Carbon Tetrachloride	8.07	117	59234	19.72	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	71701	19.78	ug/l	97
40) Benzene	8.32	78	181177	19.95	ug/l	99
41) Methacrylonitrile	7.49	41	18642	21.49	ug/l	95
42) 1,2-Dichloroethane	8.40	62	57016	20.13	ug/l	100
43) Isopropyl Acetate	8.43	43	57363	19.97	ug/l	99
44) Trichloroethene	9.09	130	49146	19.85	ug/l	94
45) 1,2-Dichloropropane	9.37	63	46213	20.31	ug/l	90
46) Dibromomethane	9.46	93	26195	20.60	ug/l	98
47) Bromodichloromethane	9.65	83	59756	19.91	ug/l	93
48) Methyl methacrylate	9.45	41	28486	20.43	ug/l	99
49) 1,4-Dioxane	9.45	88	8882	439.67	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	159073	100.41	ug/l	99
52) Toluene	10.40	92	115540	20.04	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	58518	19.83	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	66011	19.57	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	36503	20.39	ug/l	97
56) Ethyl methacrylate	10.65	69	44321	20.02	ug/l	97
57) 1,3-Dichloropropane	10.94	76	61846	20.32	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	110899	103.22	ug/l	100
59) 2-Hexanone	10.98	43	110048	101.55	ug/l	99
60) Dibromochloromethane	11.13	129	43044	20.37	ug/l	96
61) 1,2-Dibromoethane	11.24	107	36114	20.63	ug/l	98
64) Tetrachloroethene	10.87	164	50737	20.70	ug/l	96
65) Chlorobenzene	11.66	112	130942	20.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	46177	19.91	ug/l	99
67) Ethyl Benzene	11.74	91	221121	19.77	ug/l	100
68) m/p-Xylenes	11.85	106	172838	40.05	ug/l	99
69) o-Xylene	12.18	106	81160	19.78	ug/l	100
70) Styrene	12.19	104	134887	19.79	ug/l	100
71) Bromoform	12.35	173	26504	19.93	ug/l	# 100
73) Isopropylbenzene	12.48	105	219338	19.40	ug/l	99
74) N-amyl acetate	12.28	43	56733	20.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	43568	19.93	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	33710m	21.83	ug/l	
77) Bromobenzene	12.76	156	56739	19.90	ug/l	99
78) n-propylbenzene	12.82	91	267253	19.94	ug/l	99
79) 2-Chlorotoluene	12.90	91	150301	19.47	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	188853	19.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	11122	18.98	ug/l	95
82) 4-Chlorotoluene	13.00	91	162903	19.84	ug/l	100
83) tert-Butylbenzene	13.22	119	162273	19.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	194167	19.69	ug/l	99
85) sec-Butylbenzene	13.40	105	232131	19.85	ug/l	99
86) p-Isopropyltoluene	13.51	119	208189	19.91	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	113260	20.07	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	113739	20.19	ug/l	99
89) n-Butylbenzene	13.83	91	191468	19.57	ug/l	100
90) Hexachloroethane	14.11	117	37108	19.85	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	102783	20.08	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7840	20.75	ug/l	99

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QLast Update : Tue May 08 03:57:58 2018
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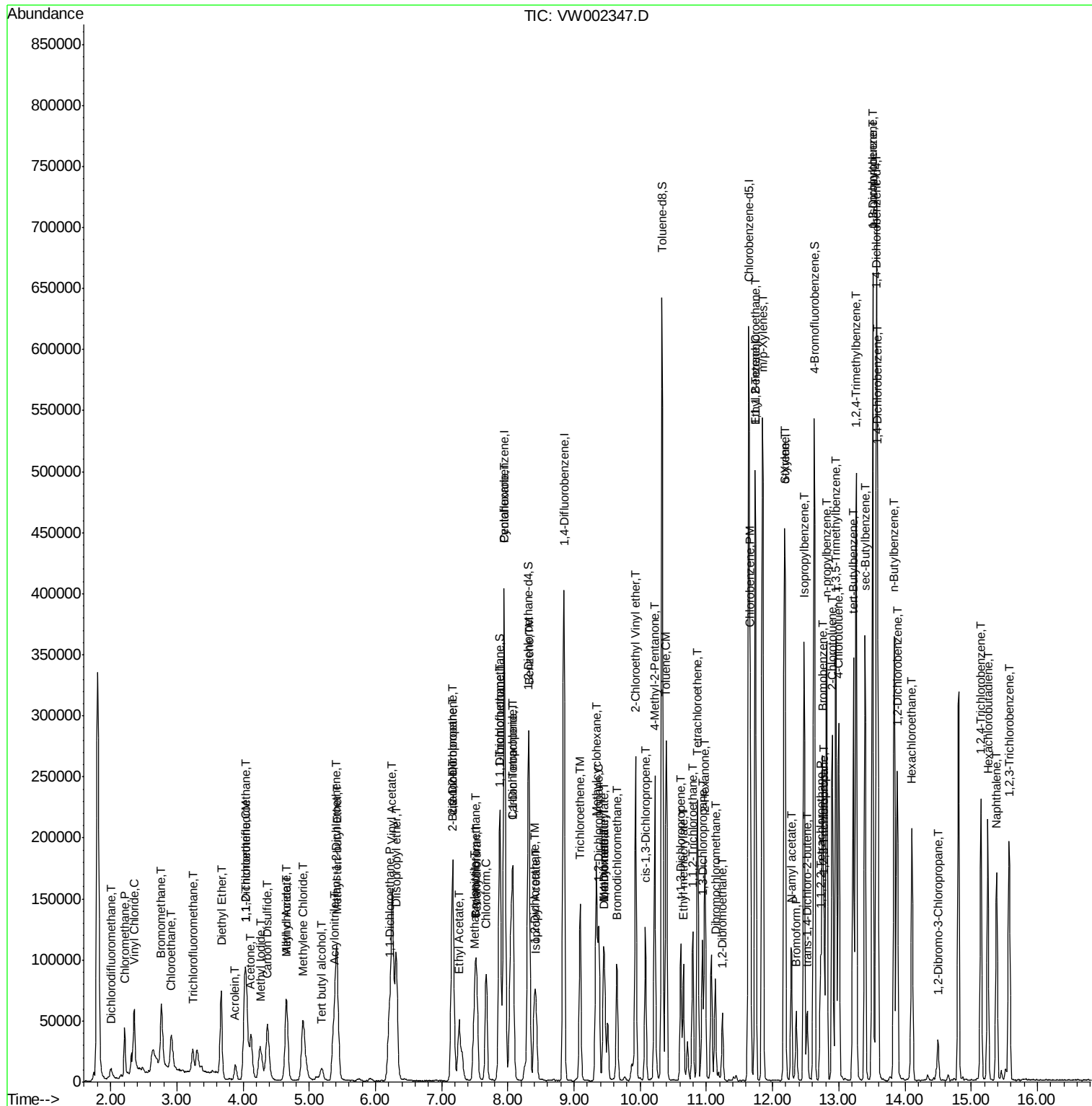
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	76222	20.83	ug/l	100
94) Hexachlorobutadiene	15.26	225	41318	20.27	ug/l	97
95) Naphthalene	15.38	128	143231	21.29	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	67827	20.67	ug/l	99

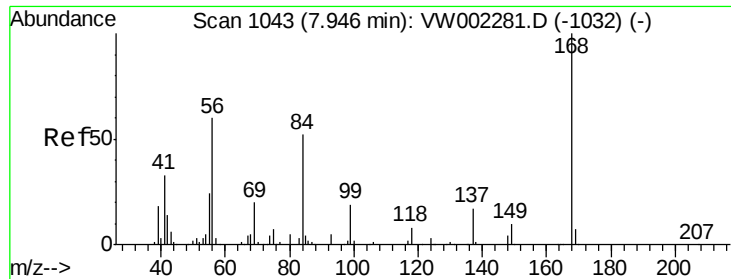
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

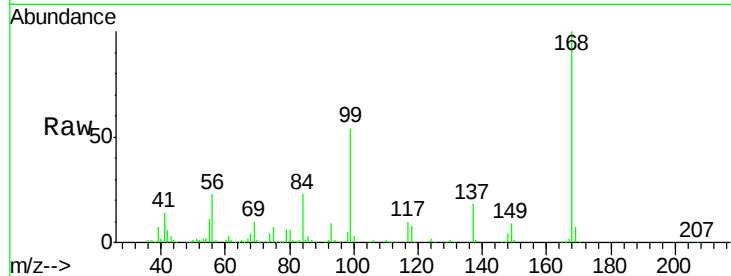
VW0509SBSD01

Tot Ion:168 Resp: 225446

Ion Ratio Lower Upper

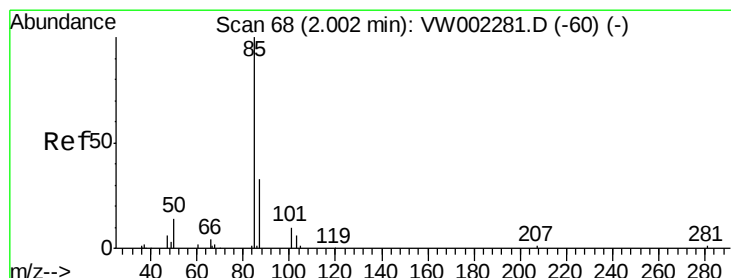
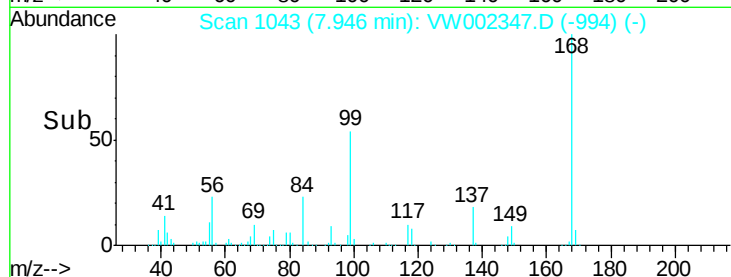
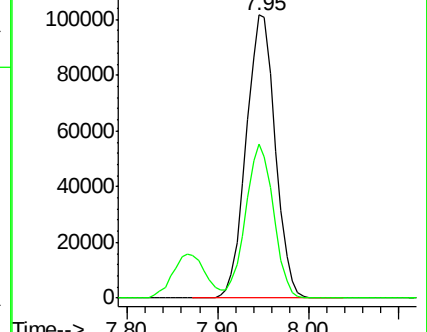
168 100

99 54.4 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.87 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW002347.D

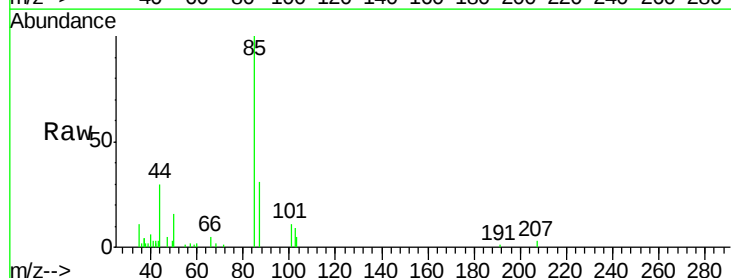
Acq: 10 May 2018 00:30

Tgt Ion: 85 Resp: 15230

Ion Ratio Lower Upper

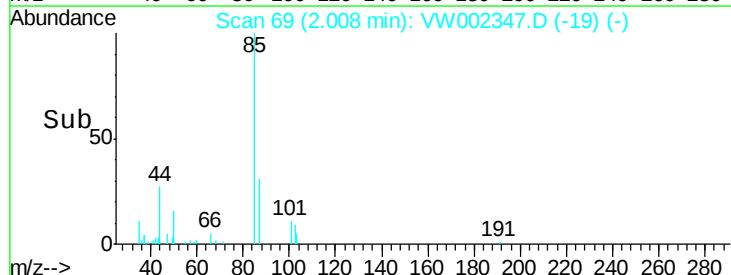
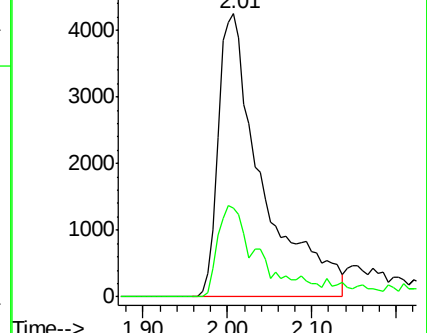
85 100

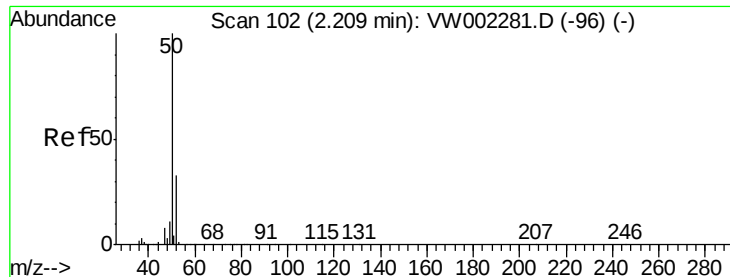
87 31.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.40 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

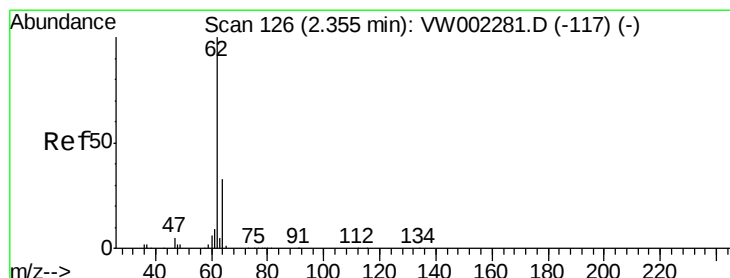
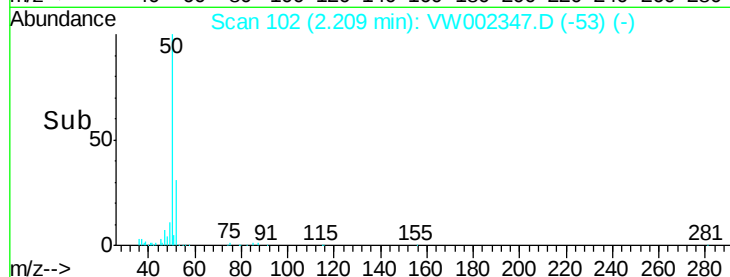
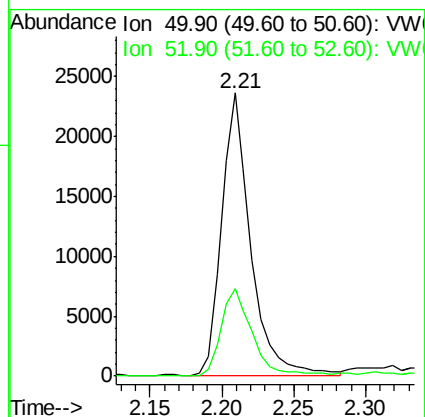
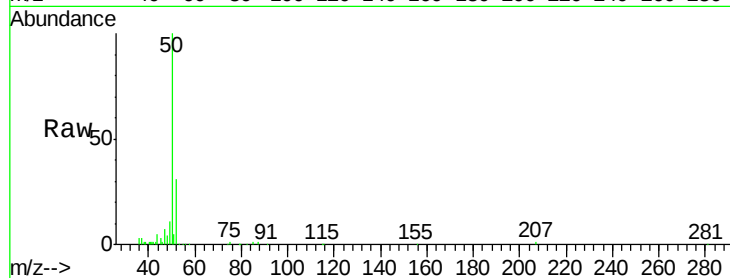
VW0509SBSD01

Tot Ion: 50 Resp: 33567

Ion Ratio Lower Upper

50 100

52 30.8 26.5 39.7



#4

Vinyl Chloride

Concen: 18.26 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002347.D

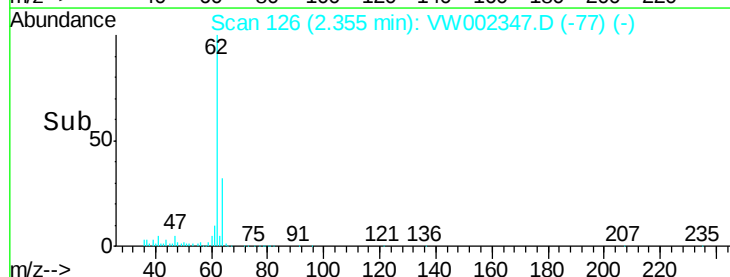
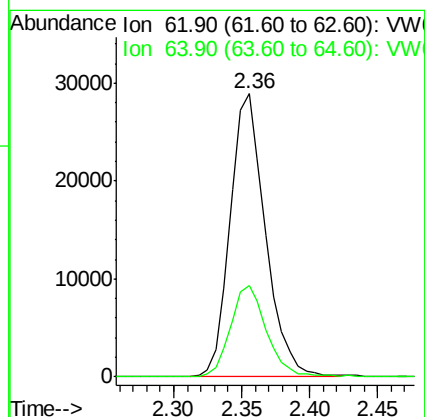
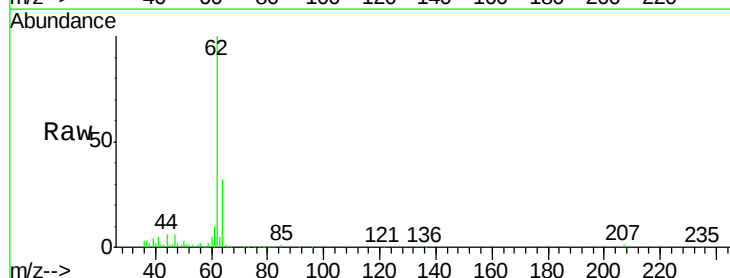
Acq: 10 May 2018 00:30

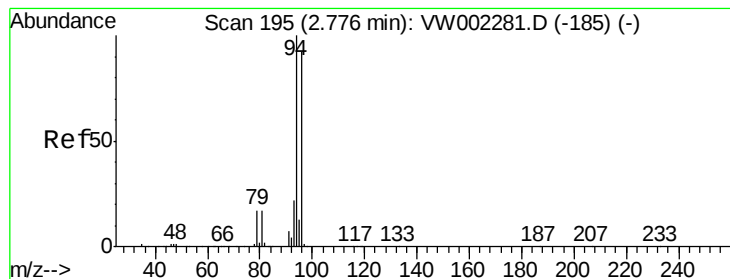
Tgt Ion: 62 Resp: 52110

Ion Ratio Lower Upper

62 100

64 32.2 26.1 39.1





#5

Bromomethane

Concen: 20.08 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

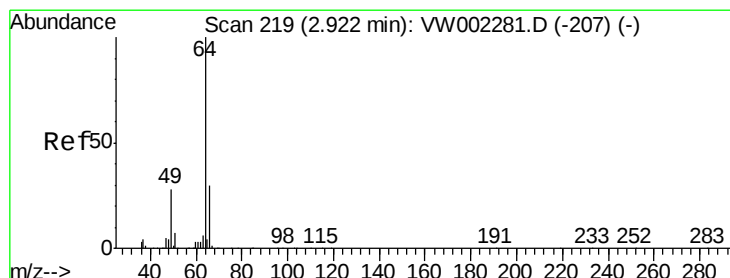
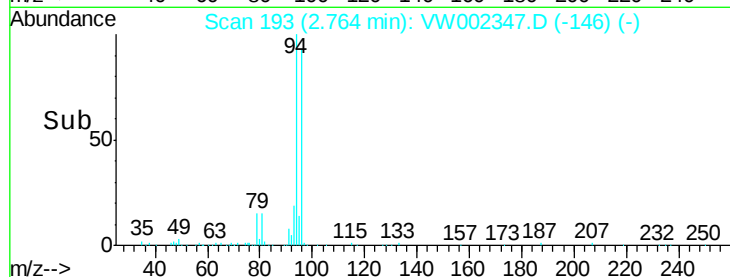
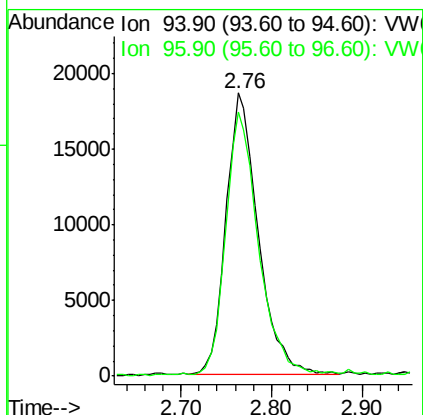
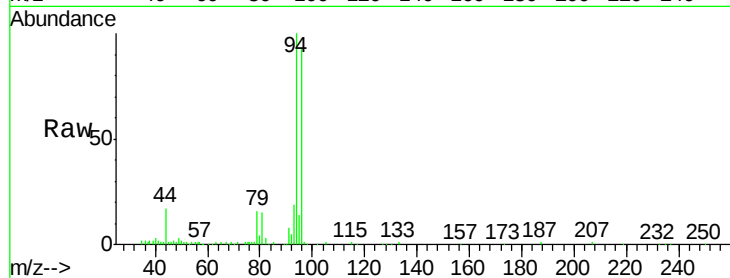
VW0509SBSD01

Tot Ion: 94 Resp: 46073

Ion Ratio Lower Upper

94 100

96 93.0 73.6 110.4



#6

Chloroethane

Concen: 20.26 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW002347.D

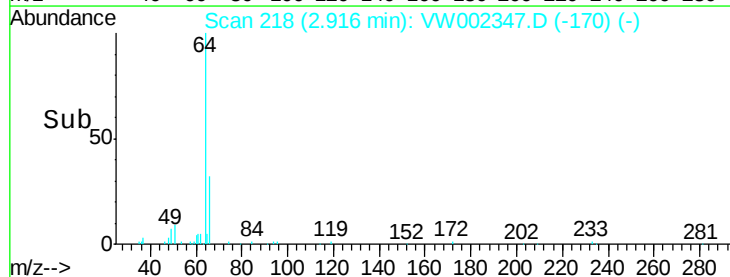
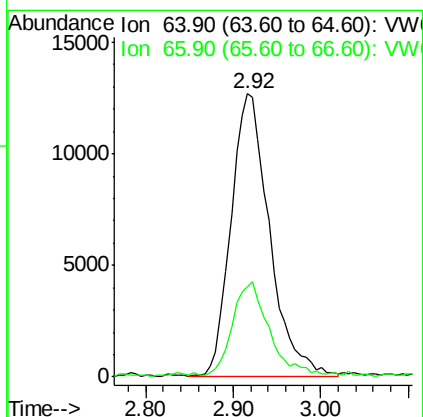
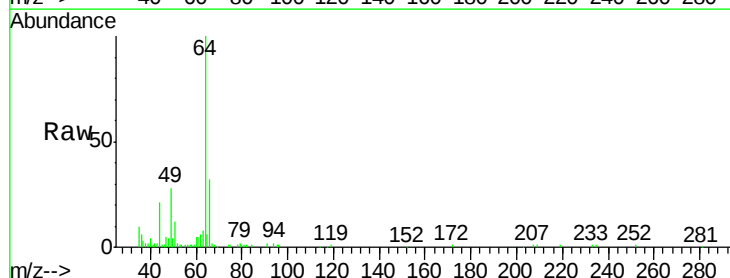
Acq: 10 May 2018 00:30

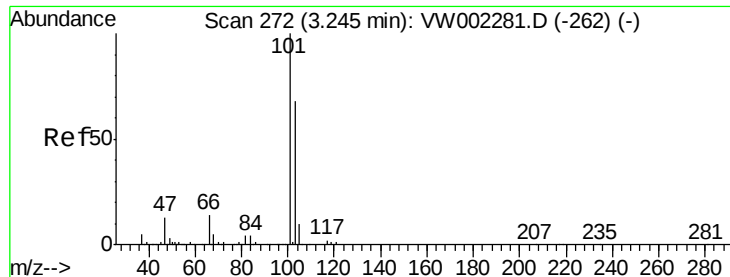
Tgt Ion: 64 Resp: 39020

Ion Ratio Lower Upper

64 100

66 31.1 23.8 35.6



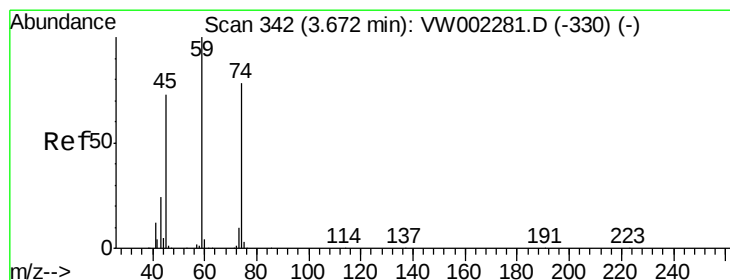
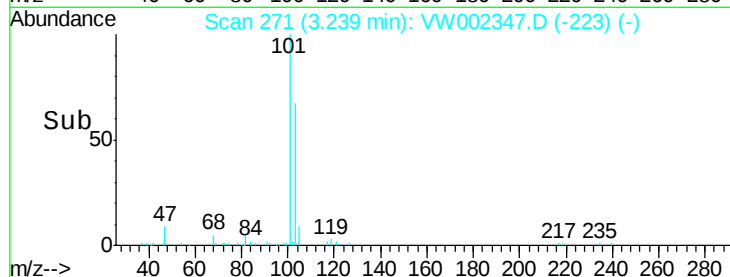
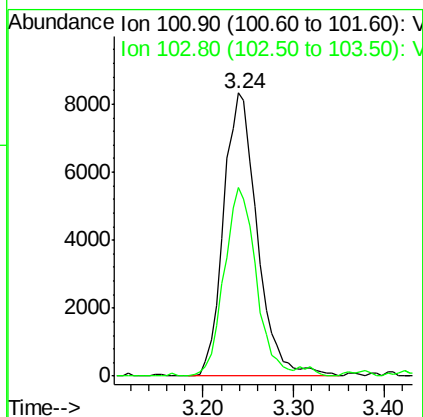
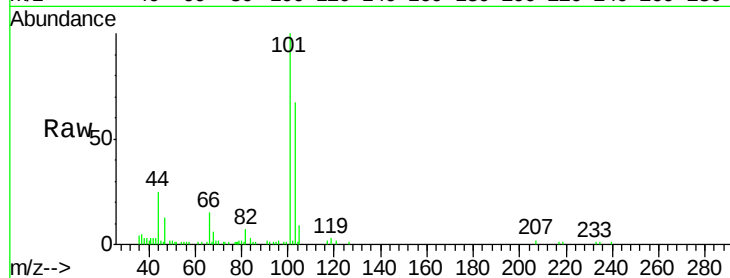


#7

Trichlorofluoromethane
 Concen: 18.42 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Instrument :
 MSVOA_W
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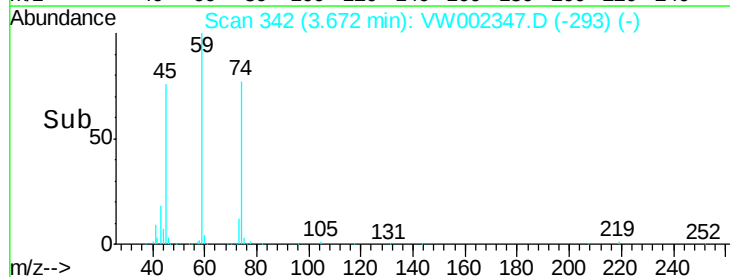
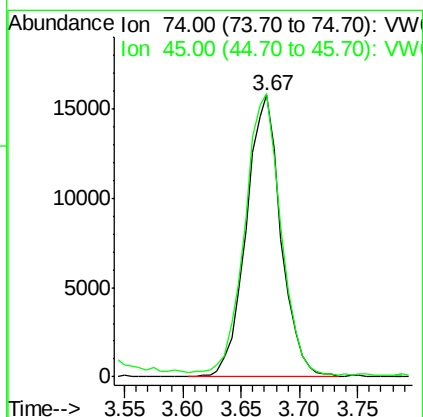
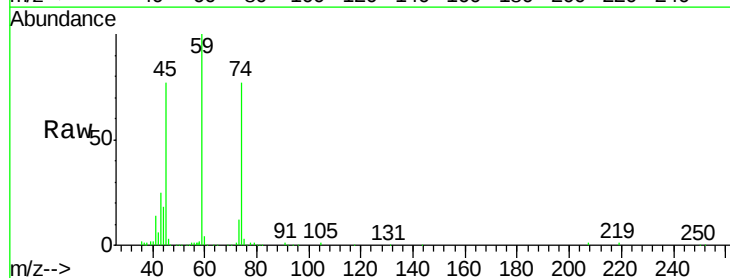
Tot Ion:101 Resp: 21467
 Ion Ratio Lower Upper
 101 100
 103 66.8 54.6 82.0

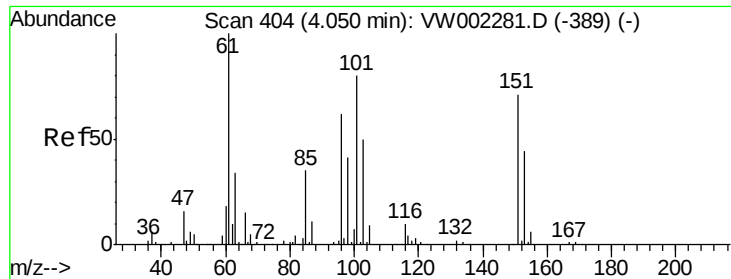


#8

Diethyl Ether
 Concen: 25.11 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 74 Resp: 32751
 Ion Ratio Lower Upper
 74 100
 45 104.0 49.5 148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 4.04 min Scan# 402

Delta R.T. -0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

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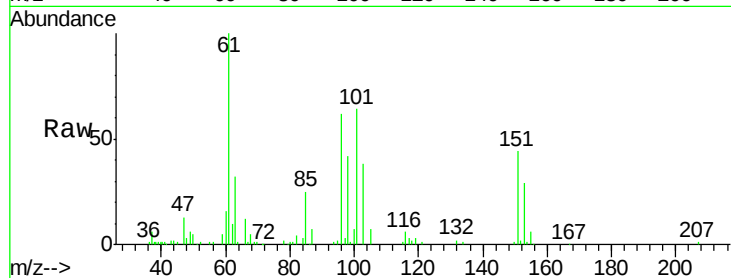
Tot Ion:101 Resp: 39803

Ion Ratio Lower Upper

101 100

85 43.7 35.9 53.9

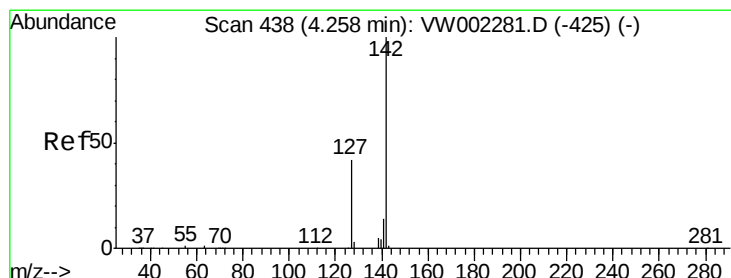
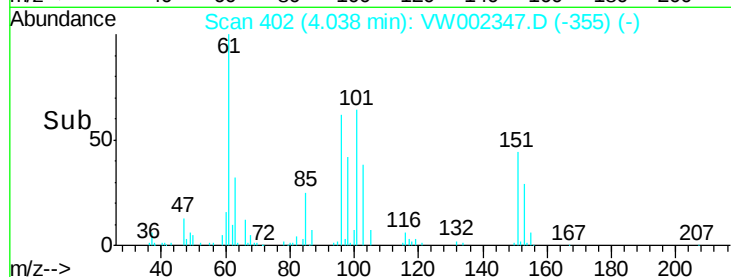
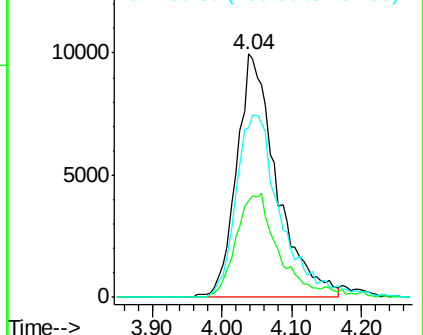
151 80.6 65.4 98.2



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: 19.35 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

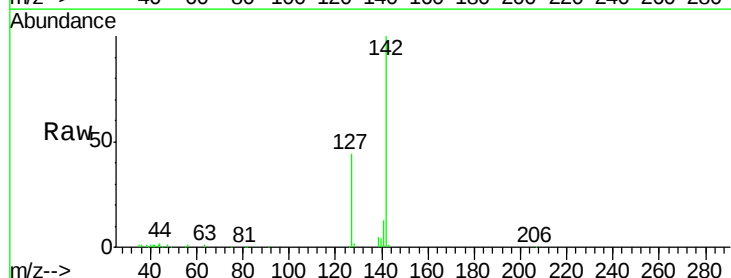
Tgt Ion:142 Resp: 64639

Ion Ratio Lower Upper

142 100

127 43.7 34.7 52.1

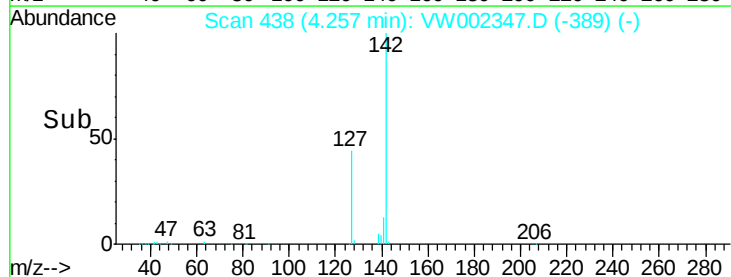
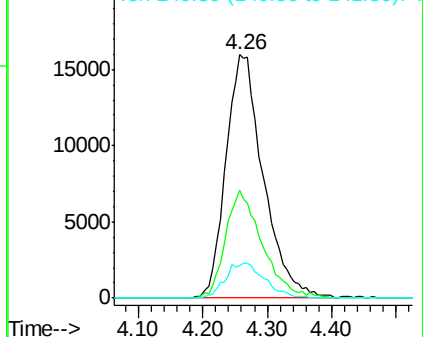
141 15.2 11.9 17.9

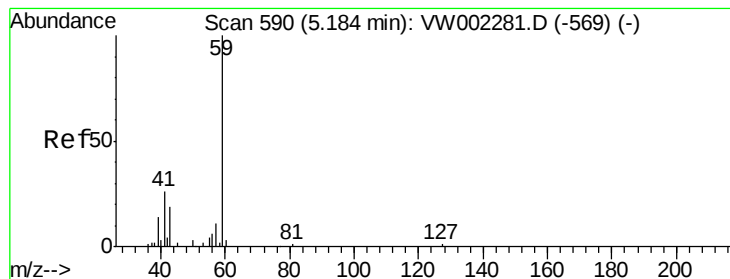


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



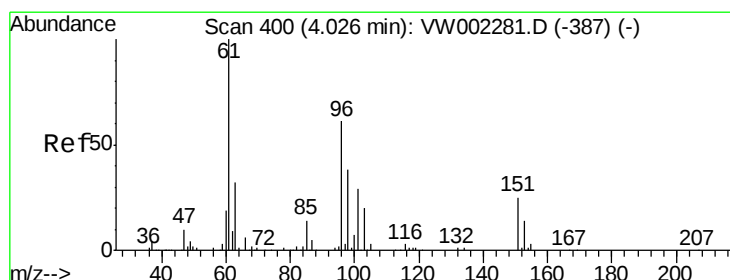
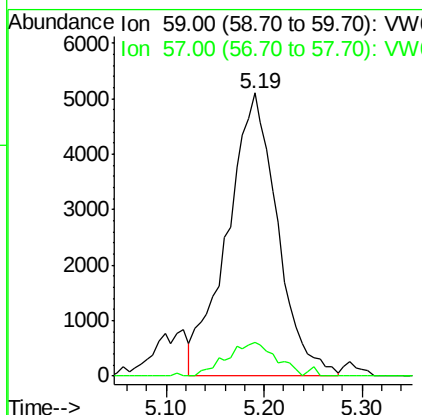
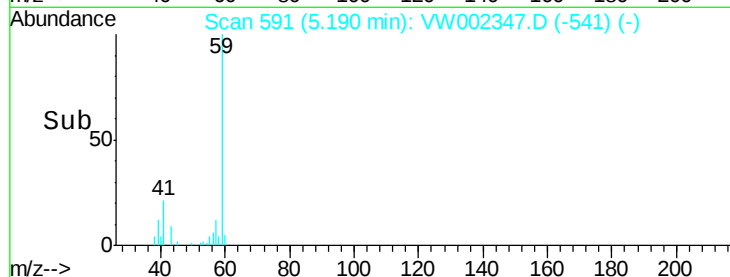
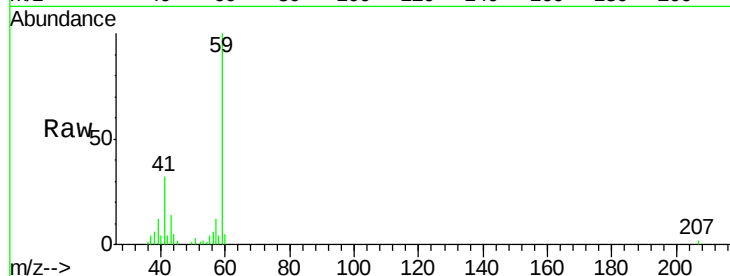


#11

Tert butyl alcohol
 Concen: 104.53 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. 0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

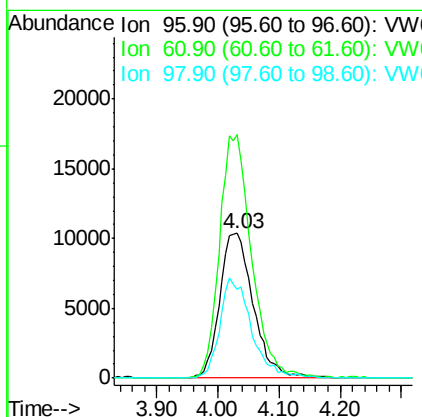
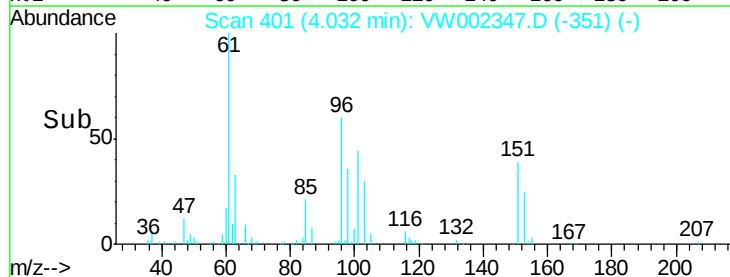
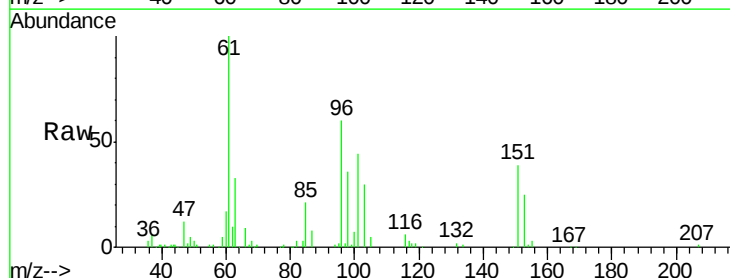
Tot Ion: 59 Resp: 18190
 Ion Ratio Lower Upper
 59 100
 57 11.7 3.9 5.9#

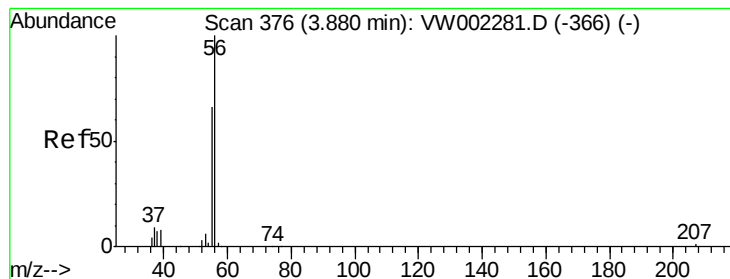


#12

1,1-Dichloroethene
 Concen: 19.29 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 96 Resp: 39361
 Ion Ratio Lower Upper
 96 100
 61 167.9 130.6 196.0
 98 61.0 49.0 73.4





#13

Acrolein

Concen: 99.92 ug/l

RT: 3.88 min Scan# 376

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

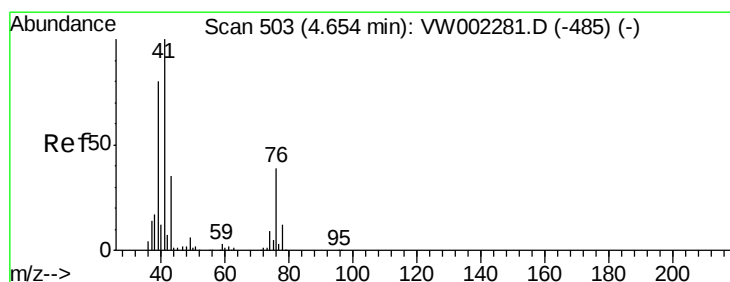
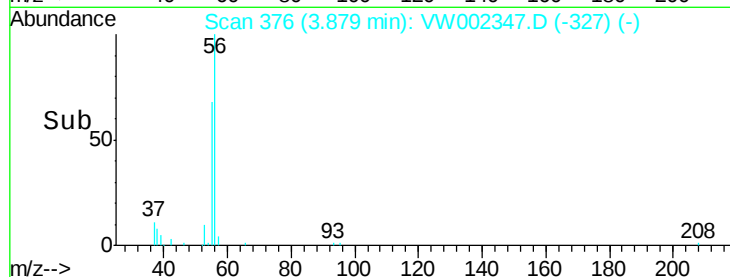
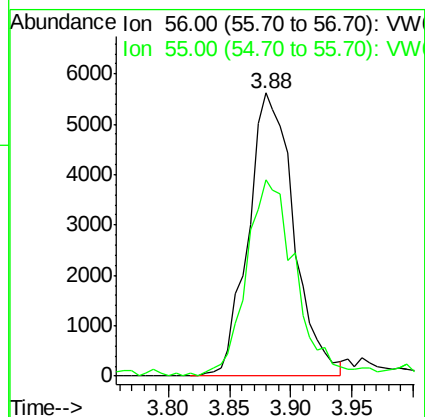
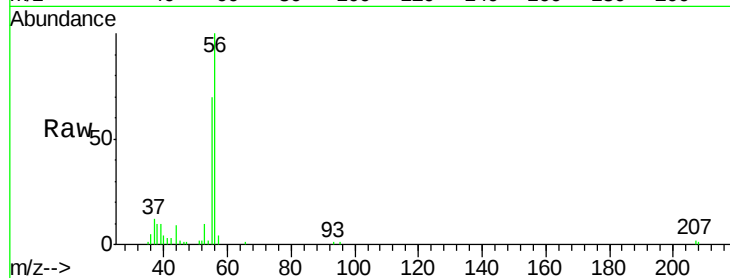
VW0509SBSD01

Tot Ion: 56 Resp: 14558

Ion Ratio Lower Upper

56 100

55 73.8 57.3 85.9



#14

Allyl chloride

Concen: 17.98 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

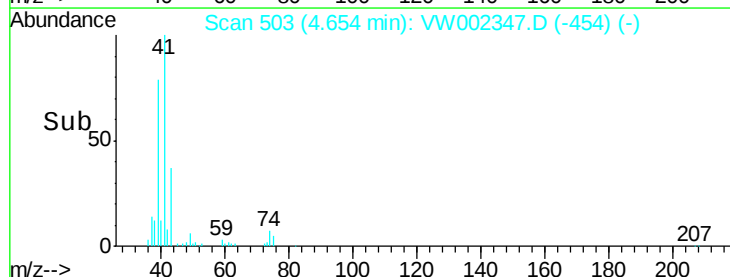
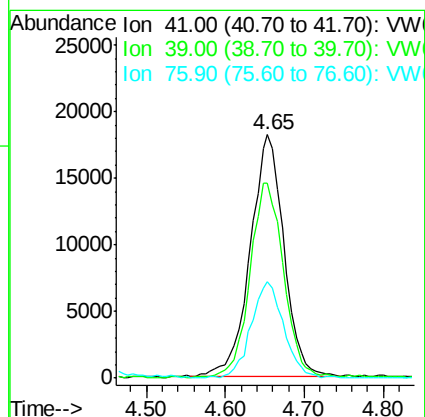
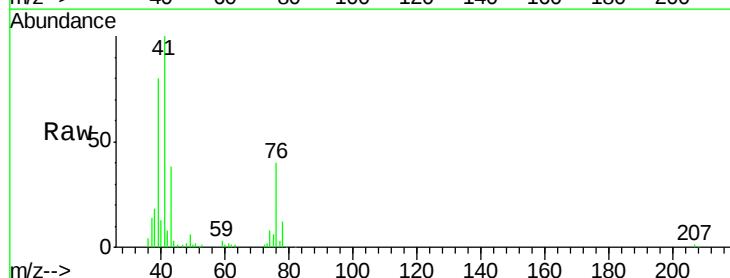
Tgt Ion: 41 Resp: 53925

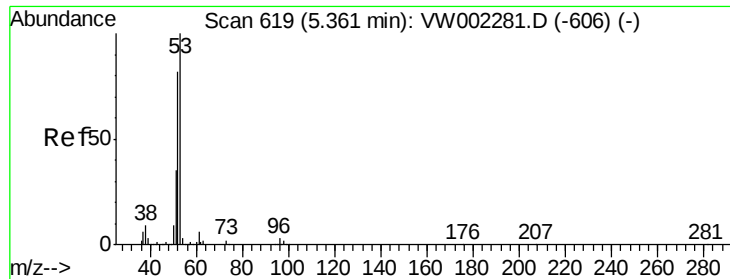
Ion Ratio Lower Upper

41 100

39 81.5 61.7 92.5

76 38.7 29.8 44.6





#15

Acrylonitrile

Concen: 99.30 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

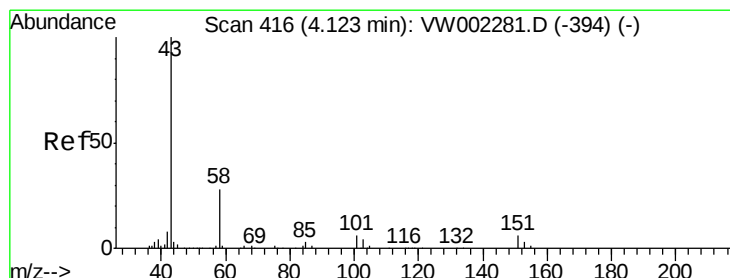
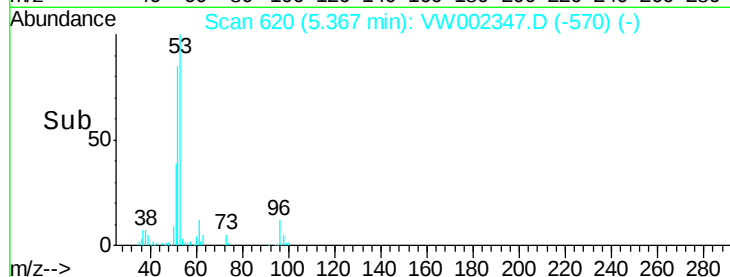
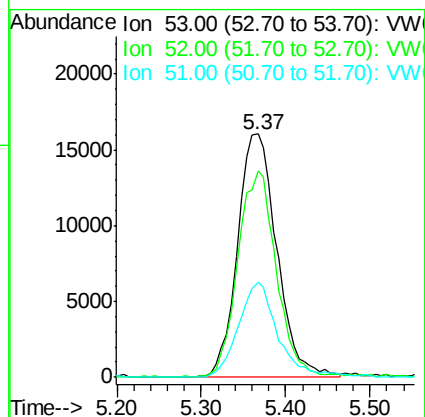
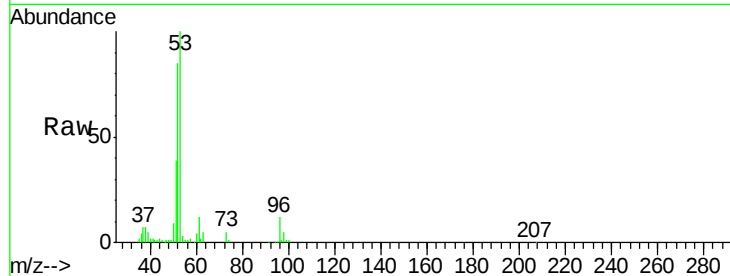
Tot Ion: 53 Resp: 50813

Ion Ratio Lower Upper

53 100

52 83.3 67.9 101.9

51 39.1 30.0 45.0



#16

Acetone

Concen: 105.67 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002347.D

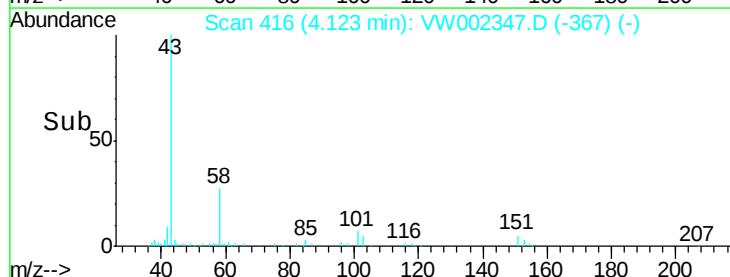
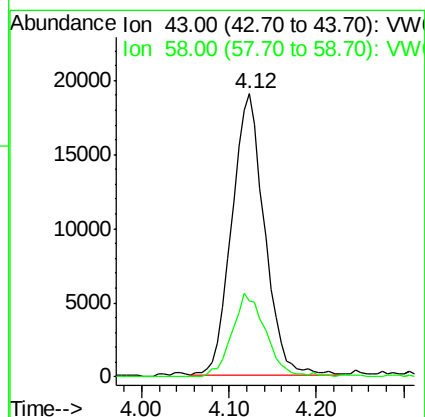
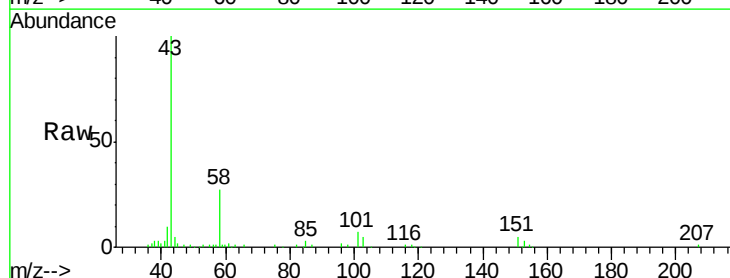
Acq: 10 May 2018 00:30

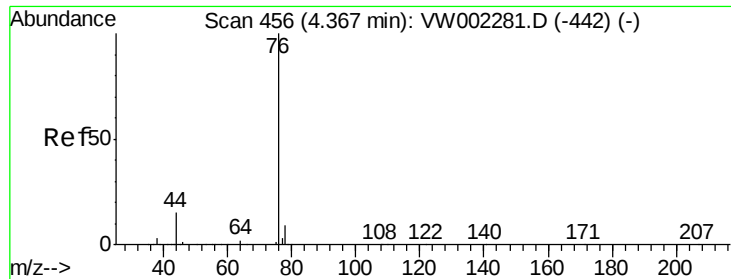
Tgt Ion: 43 Resp: 49409

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.4

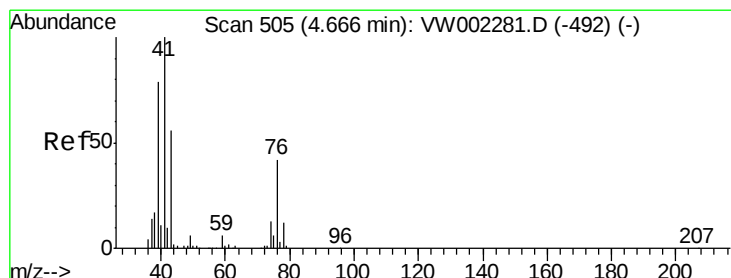
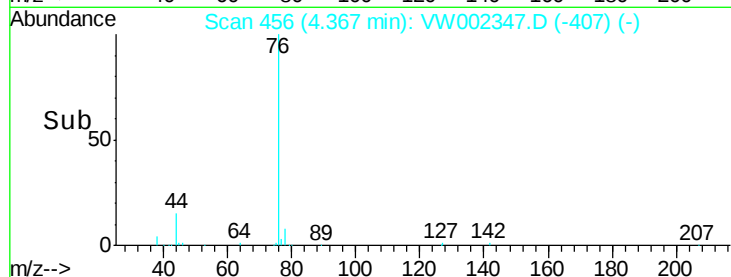
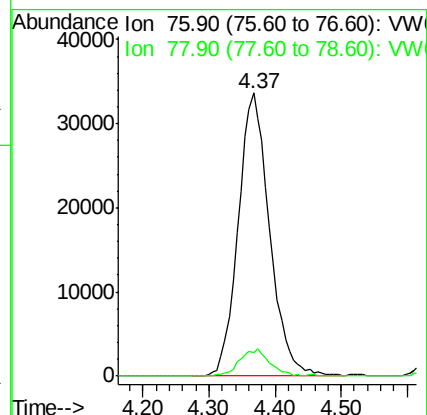
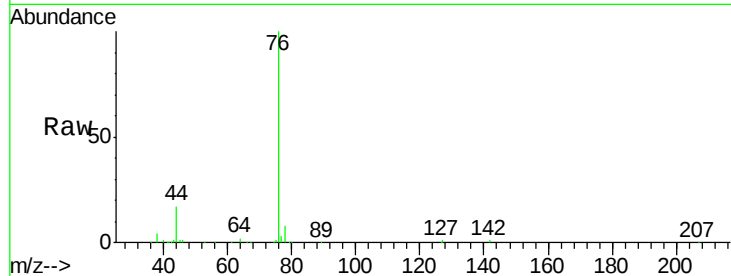




#17
Carbon Disulfide
Concen: 18.66 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

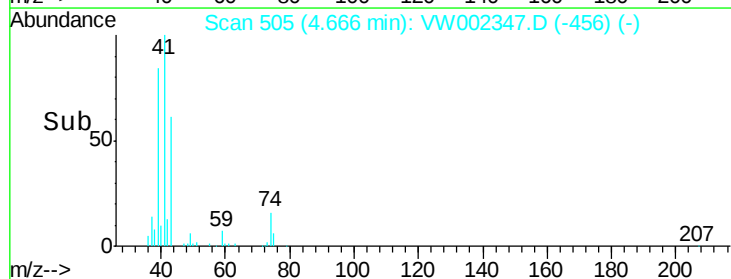
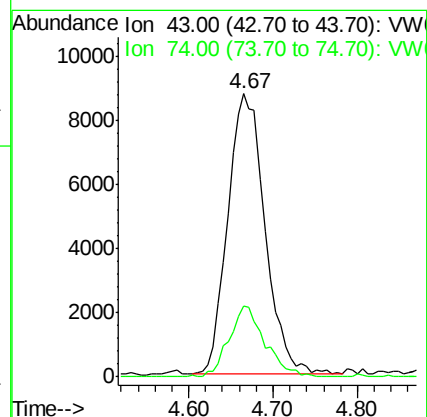
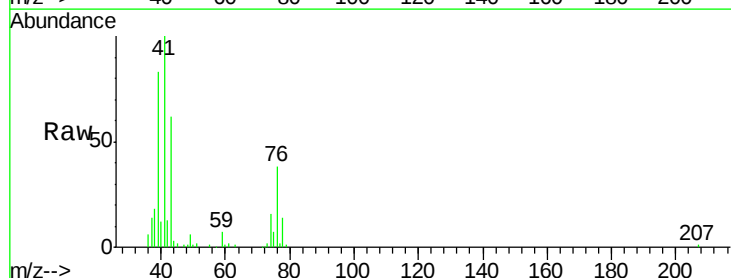
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

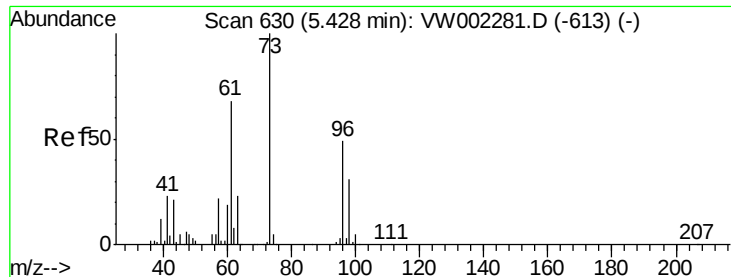
Tot Ion: 76 Resp: 110753
Ion Ratio Lower Upper
76 100
78 8.3 6.9 10.3



#18
Methyl Acetate
Concen: 18.73 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 43 Resp: 26270
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.2

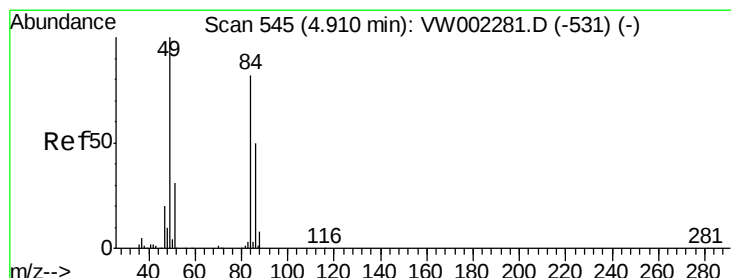
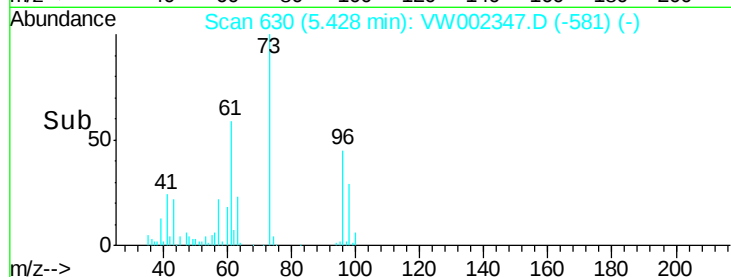
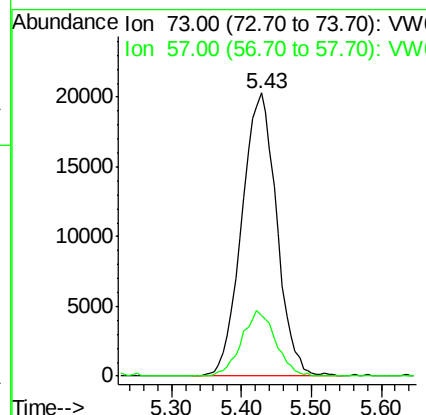
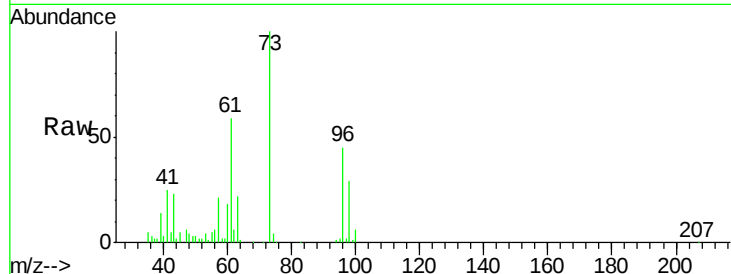




#19
Methyl tert-butyl Ether
Concen: 19.73 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

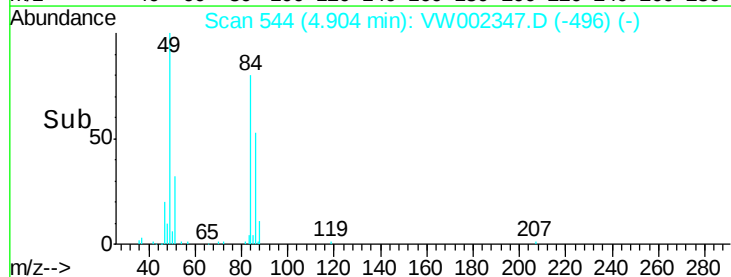
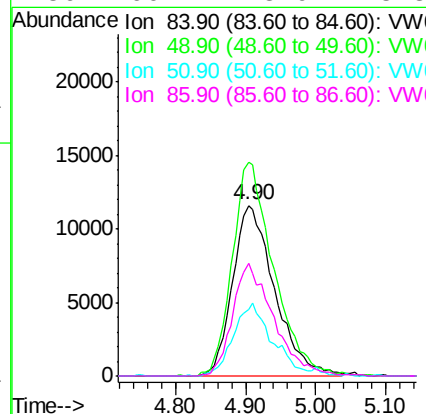
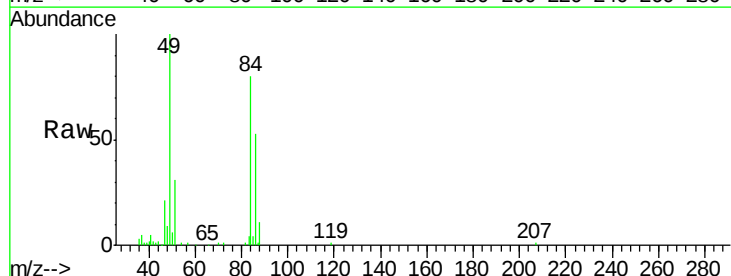
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

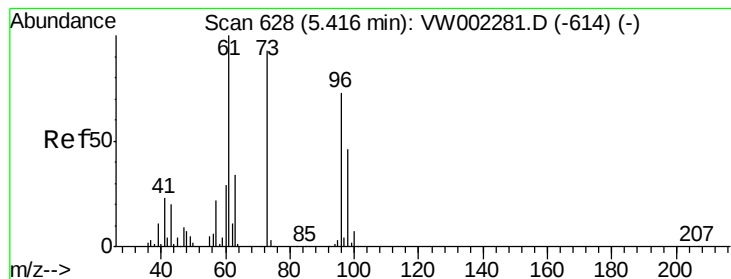
Tot Ion: 73 Resp: 70374
Ion Ratio Lower Upper
73 100
57 21.5 17.7 26.5



#20
Methylene Chloride
Concen: 21.40 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 84 Resp: 48246
Ion Ratio Lower Upper
84 100
49 125.3 97.7 146.5
51 39.3 30.2 45.4
86 66.1 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 19.69 ug/l

RT: 5.40 min Scan# 626

Delta R.T. -0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

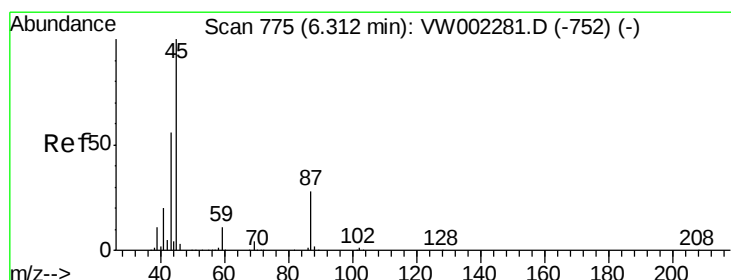
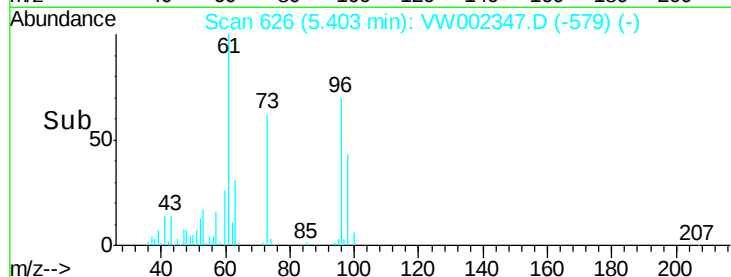
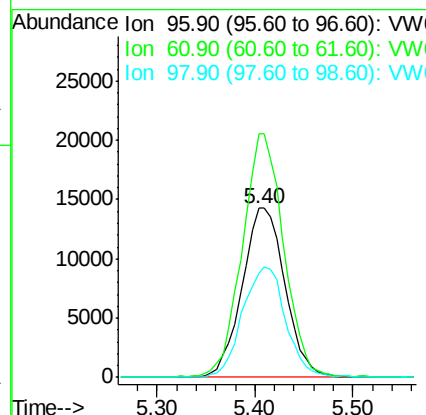
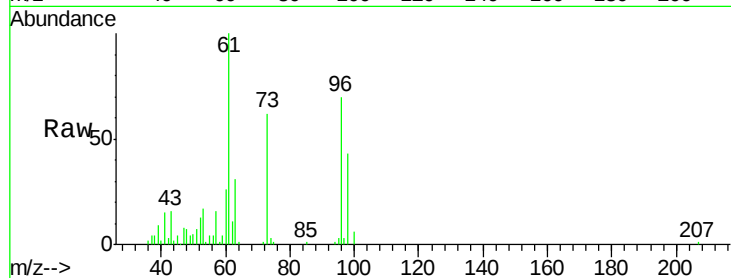
Tot Ion: 96 Resp: 43380

Ion Ratio Lower Upper

96 100

61 143.0 109.5 164.3

98 61.8 50.2 75.4



#22

Diisopropyl ether

Concen: 19.50 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Tgt Ion: 45 Resp: 128160

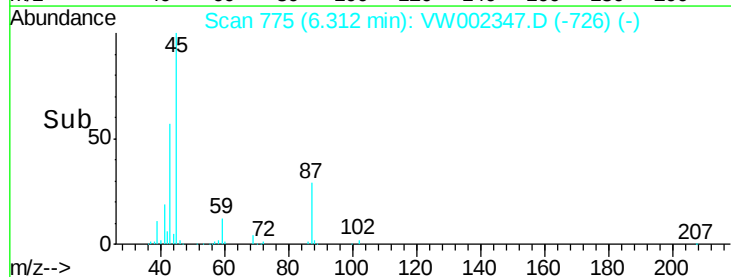
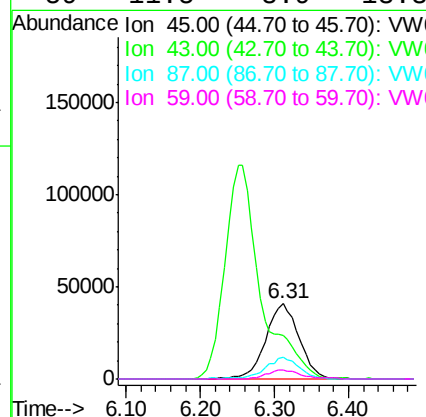
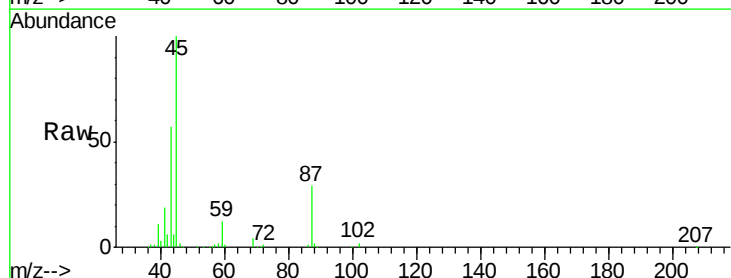
Ion Ratio Lower Upper

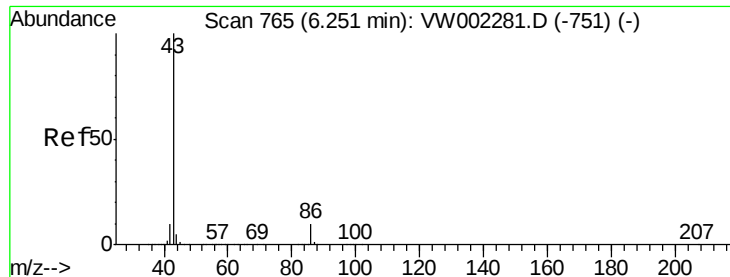
45 100

43 56.6 44.5 66.7

87 28.9 22.2 33.4

59 11.5 8.9 13.3





#23

Vinyl Acetate

Concen: 99.04 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

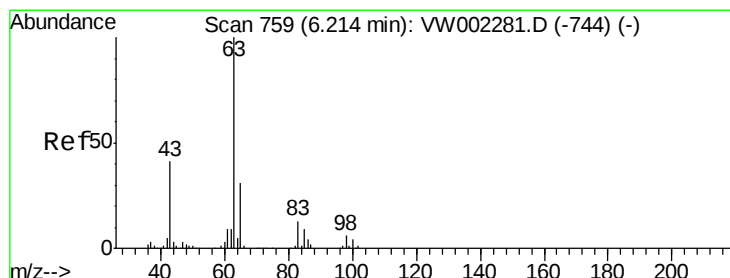
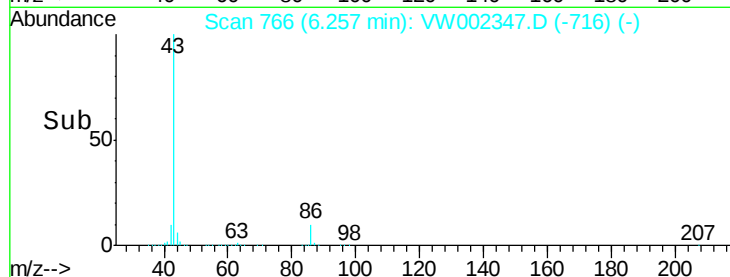
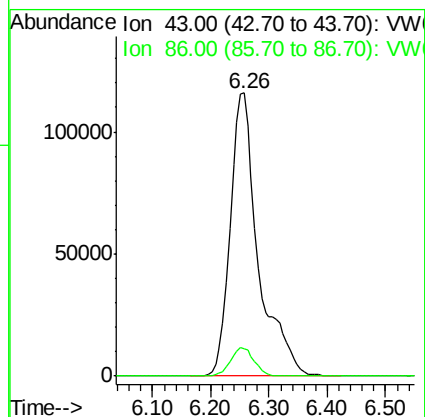
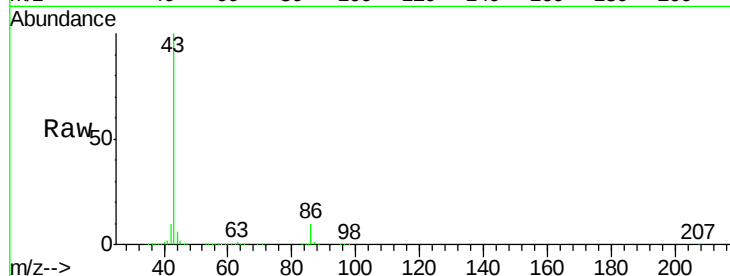
VW0509SBSD01

Tot Ion: 43 Resp: 389865

Ion Ratio Lower Upper

43 100

86 9.9 7.9 11.9



#24

1,1-Dichloroethane

Concen: 19.37 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

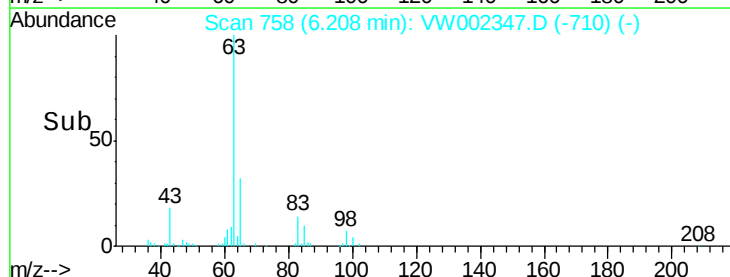
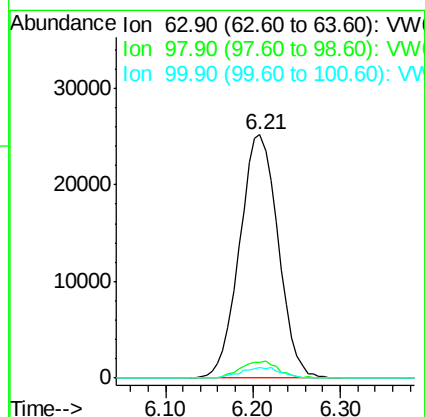
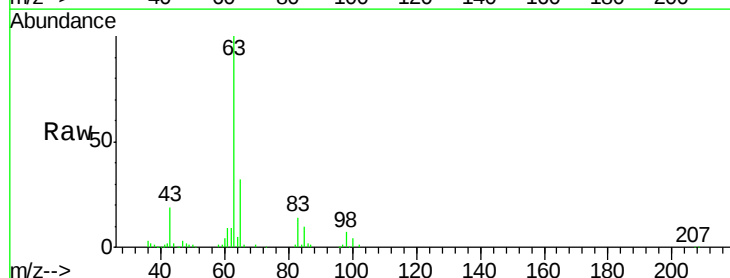
Tgt Ion: 63 Resp: 77180

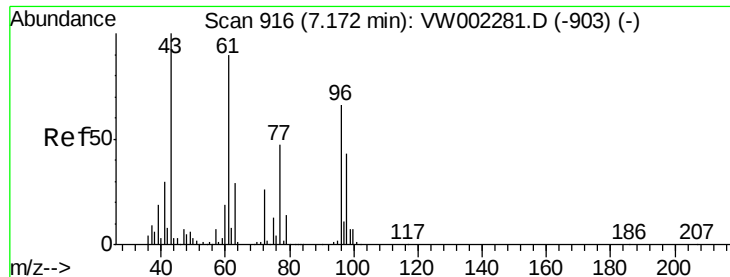
Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

100 4.5 2.0 6.0





#25

2-Butanone

Concen: 101.75 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

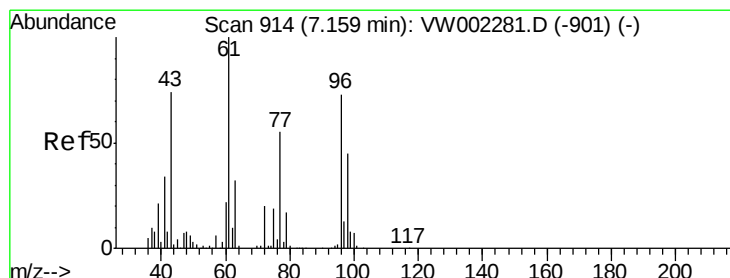
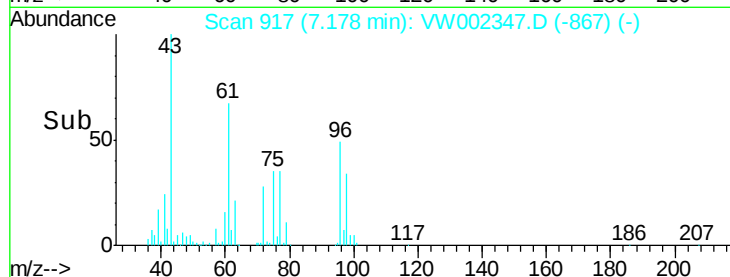
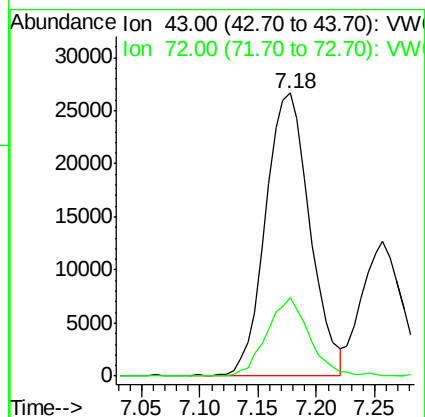
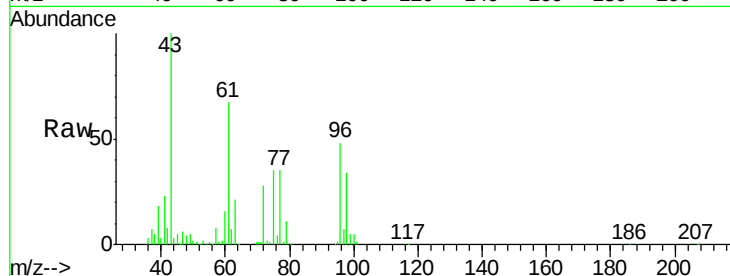
VW0509SBSD01

Tot Ion: 43 Resp: 70638

Ion Ratio Lower Upper

43 100

72 27.8 20.6 31.0



#26

2,2-Dichloropropane

Concen: 19.30 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.01 min

Lab File: VW002347.D

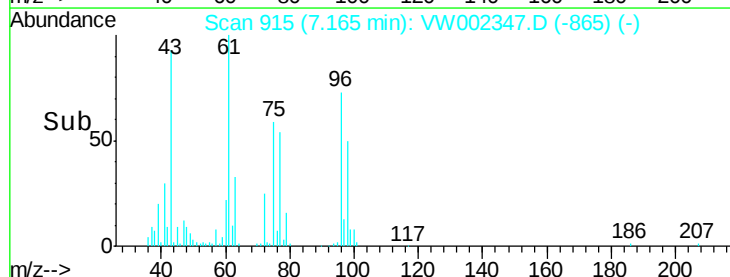
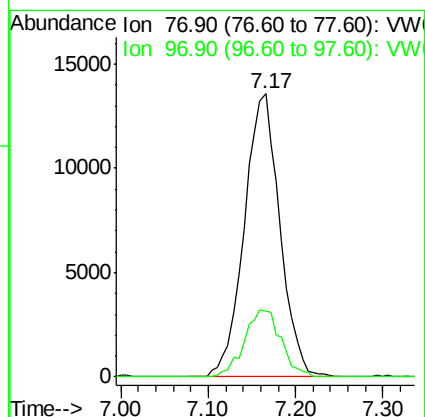
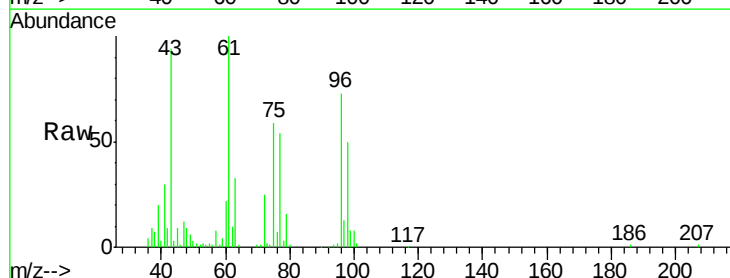
Acq: 10 May 2018 00:30

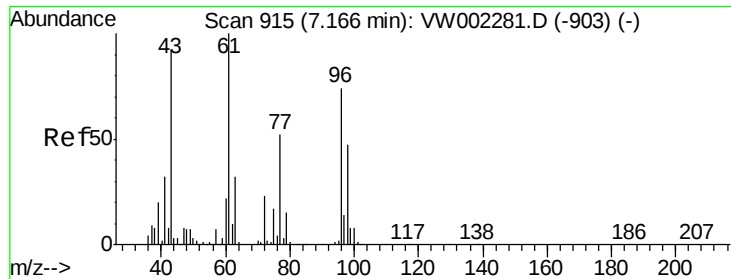
Tgt Ion: 77 Resp: 38337

Ion Ratio Lower Upper

77 100

97 24.3 12.7 38.0

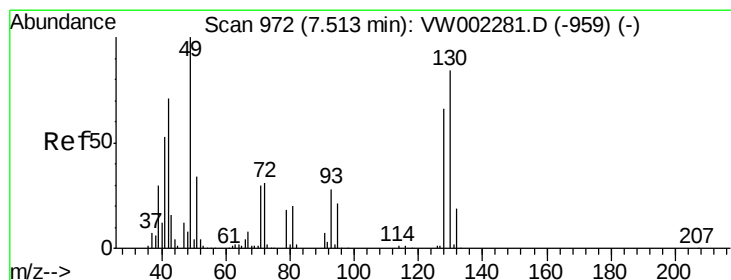
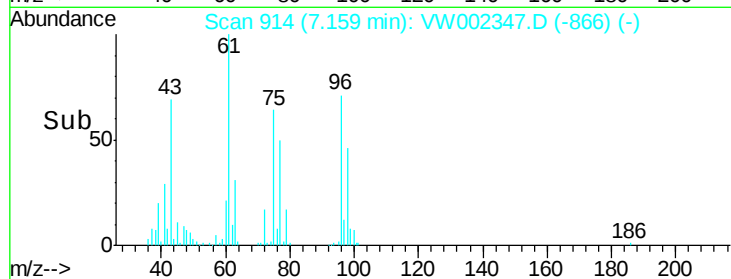
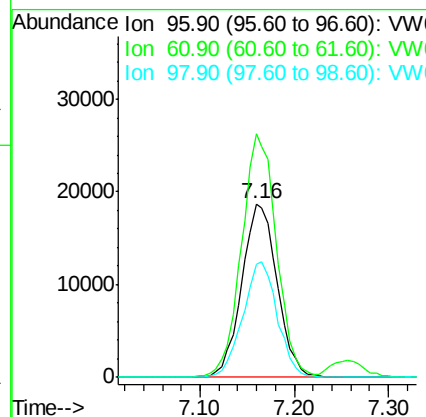
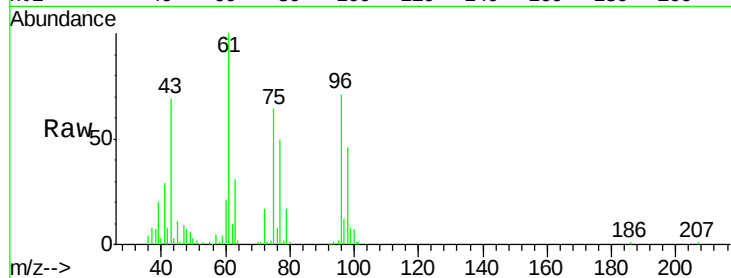




#27
 cis-1,2-Dichloroethene
 Concen: 19.74 ug/l
 RT: 7.16 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

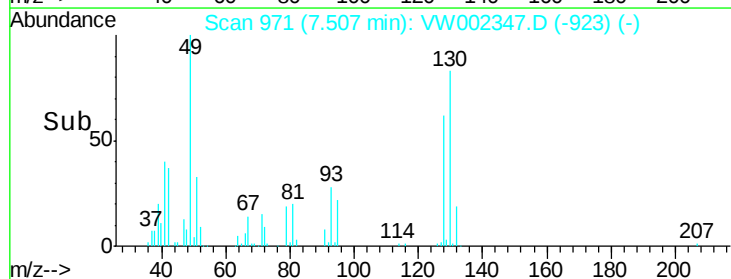
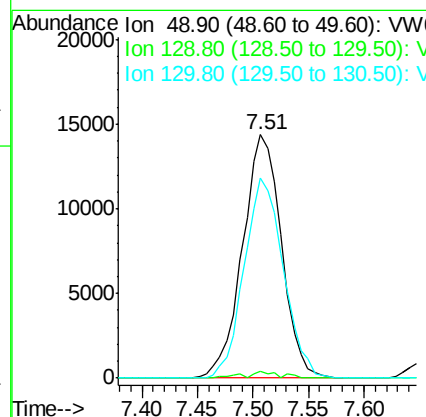
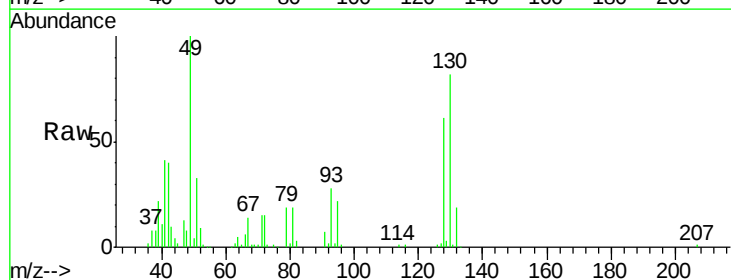
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0509SBSD01

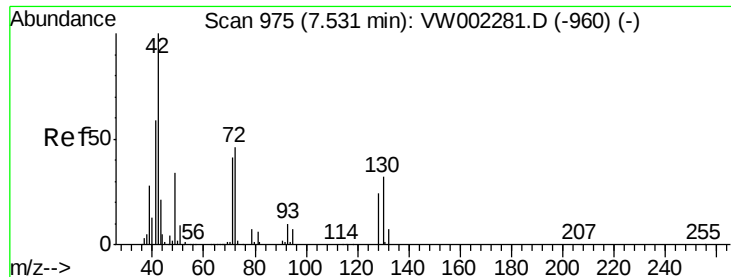
Tot Ion: 96 Resp: 49000
 Ion Ratio Lower Upper
 96 100
 61 138.6 0.0 274.8
 98 65.0 0.0 128.4



#28
 Bromochloromethane
 Concen: 19.38 ug/l
 RT: 7.51 min Scan# 971
 Delta R.T. -0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 49 Resp: 34946
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 2.4
 130 82.9 65.5 98.3

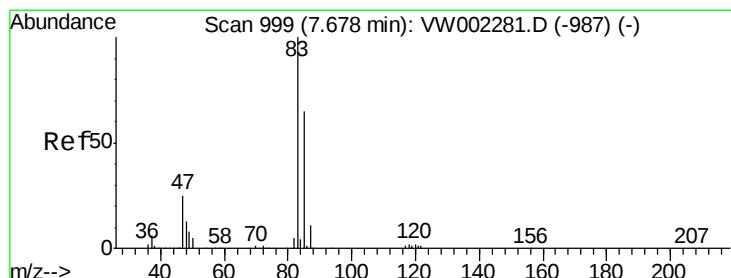
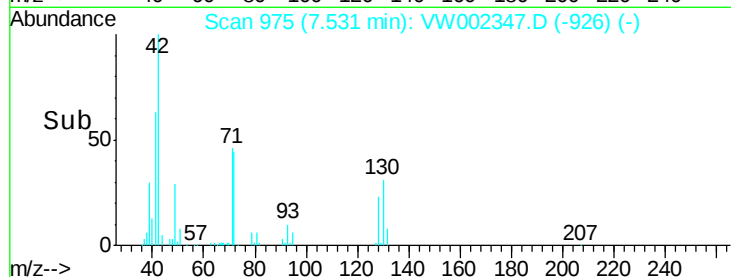
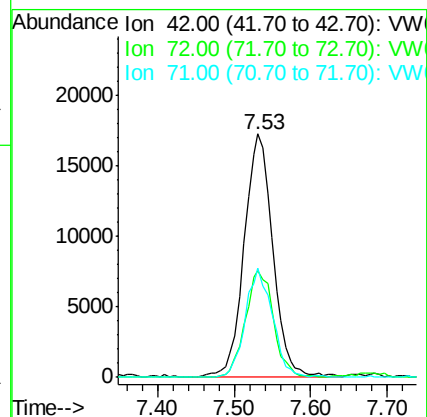
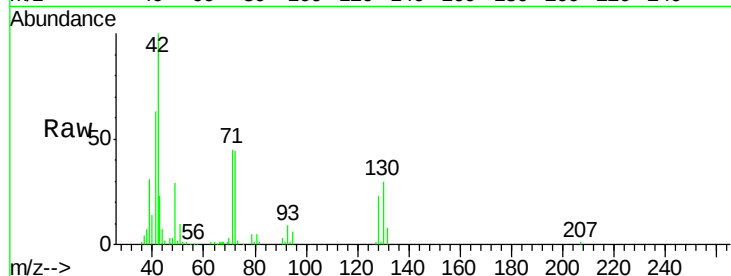




#29
Tetrahydrofuran
Concen: 99.41 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

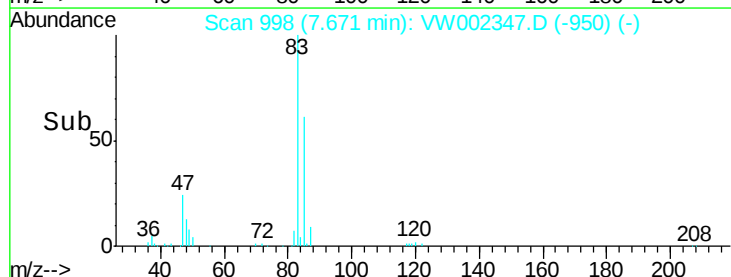
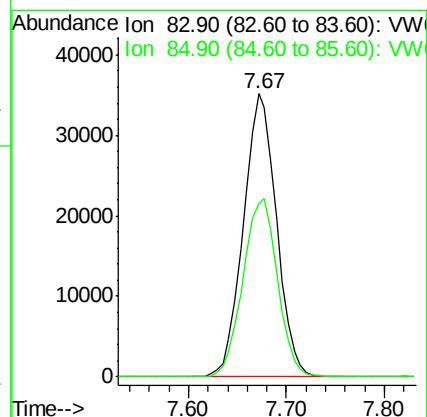
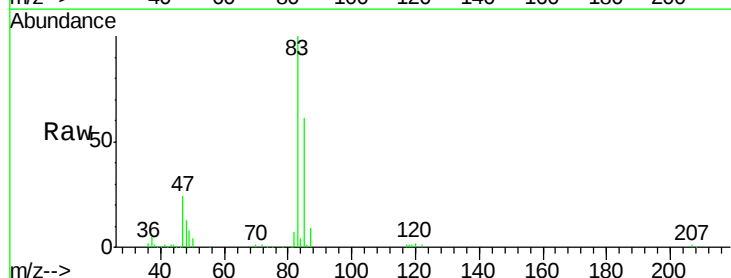
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

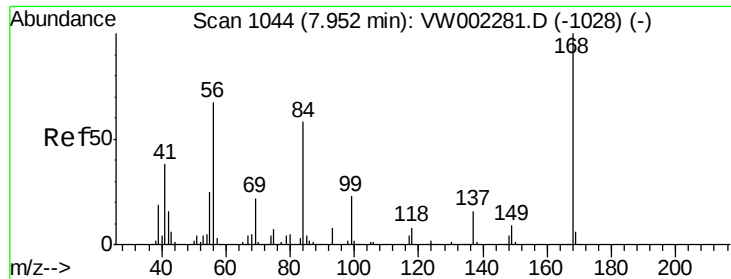
Tot Ion: 42 Resp: 45264
Ion Ratio Lower Upper
42 100
72 43.1 34.5 51.7
71 41.9 33.0 49.6



#30
Chloroform
Concen: 19.75 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 83 Resp: 82417
Ion Ratio Lower Upper
83 100
85 61.1 51.8 77.6





#31

Cyclohexane

Concen: 18.97 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

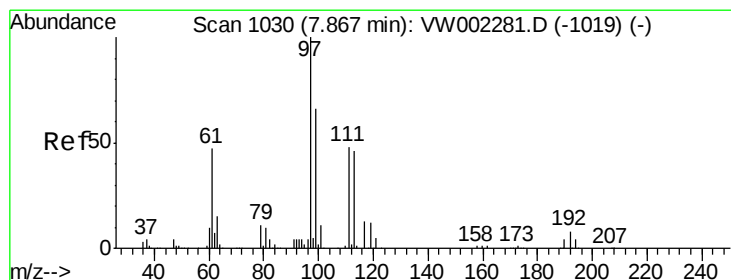
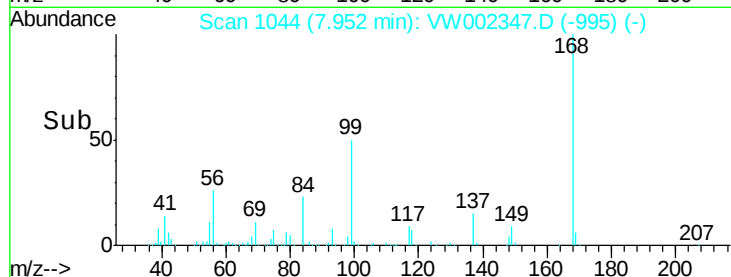
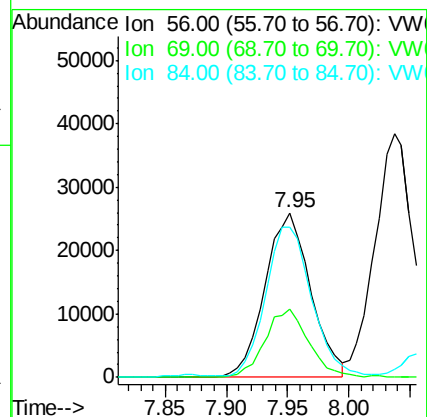
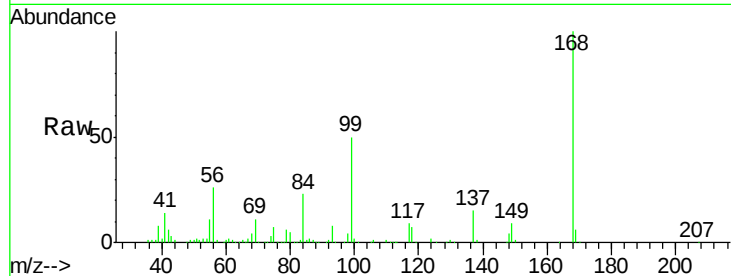
Tot Ion: 56 Resp: 67500

Ion Ratio Lower Upper

56 100

69 41.6 26.2 39.4#

84 89.5 69.2 103.8



#32

1,1,1-Trichloroethane

Concen: 19.50 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

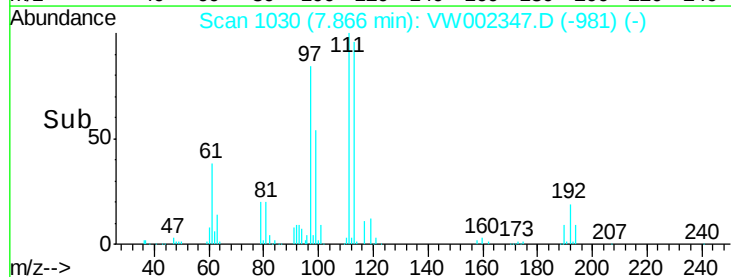
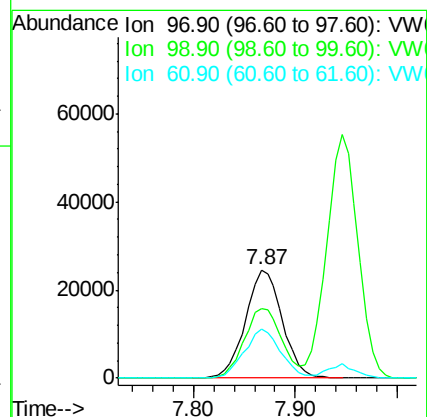
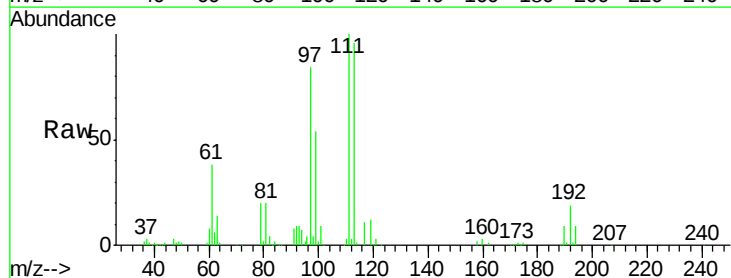
Tgt Ion: 97 Resp: 61155

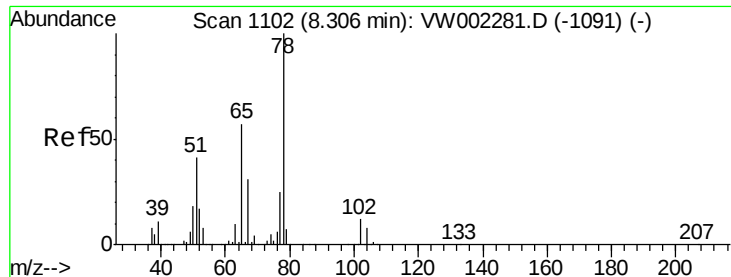
Ion Ratio Lower Upper

97 100

99 65.7 52.6 79.0

61 45.0 35.6 53.4





#33

1,2-Dichloroethane-d4

Concen: 49.58 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

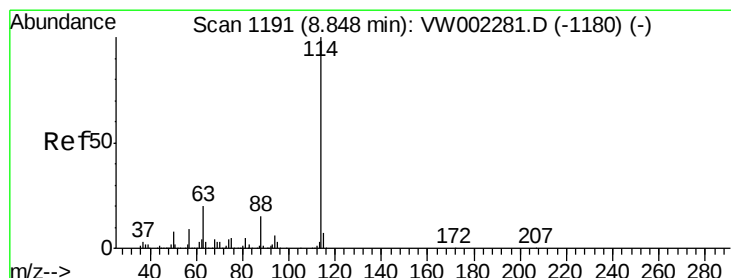
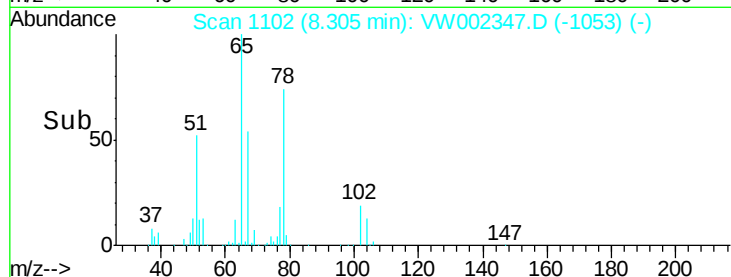
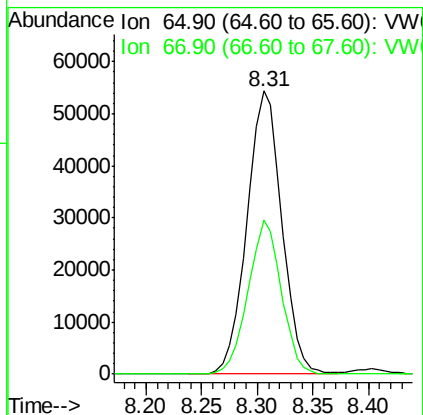
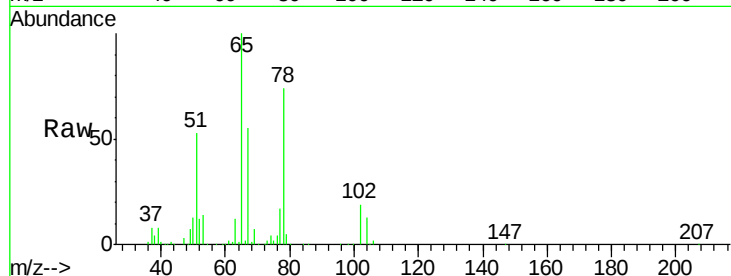
VW0509SBSD01

Tot Ion: 65 Resp: 118706

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

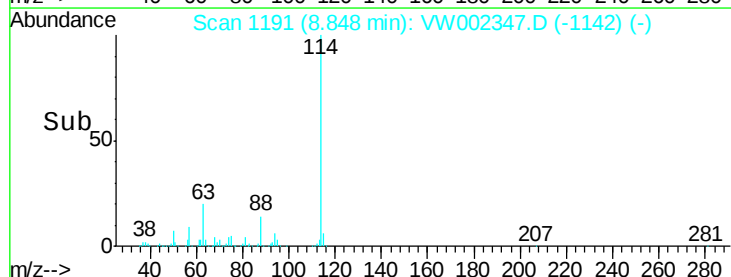
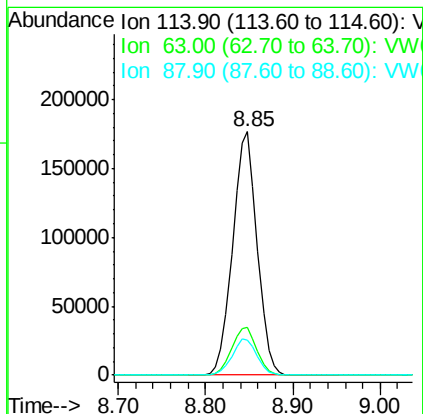
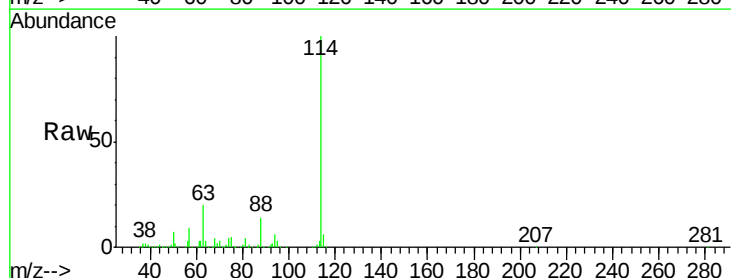
Tgt Ion: 114 Resp: 343475

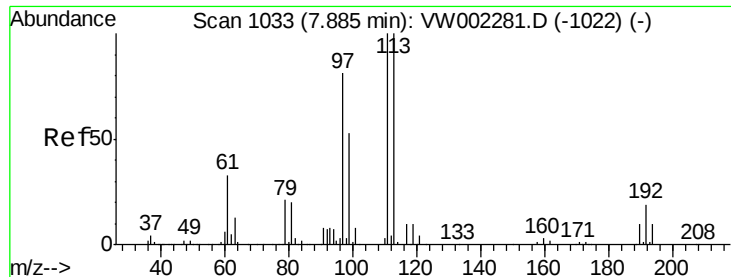
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.0

88 14.3 0.0 29.6

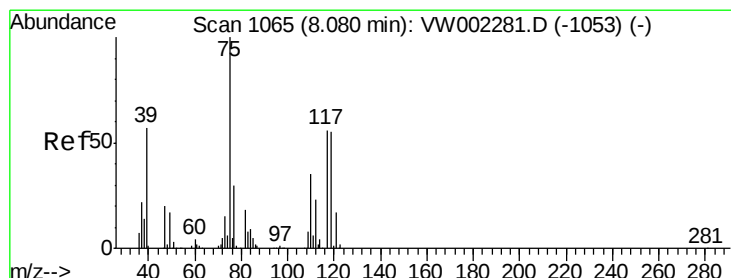
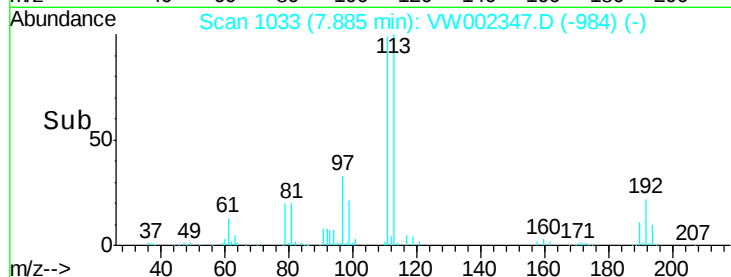
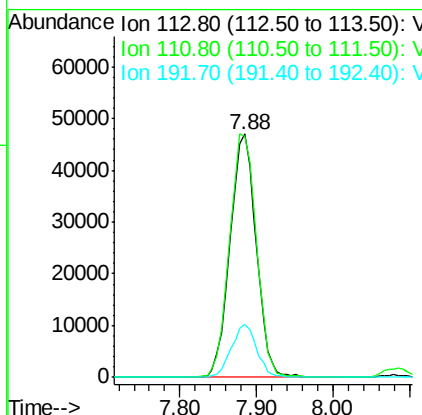
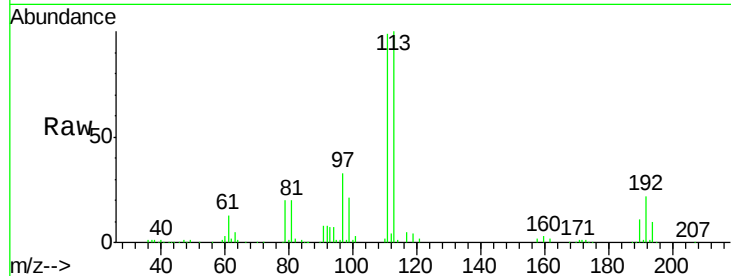




#35
 Dibromofluoromethane
 Concen: 50.34 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

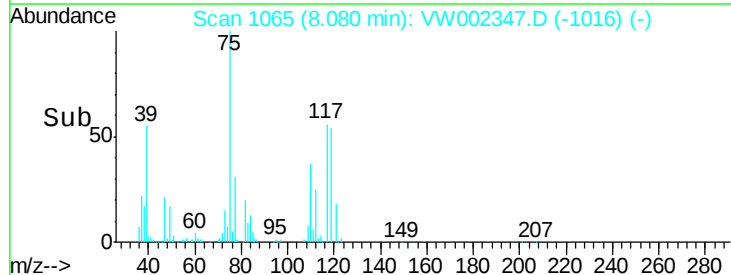
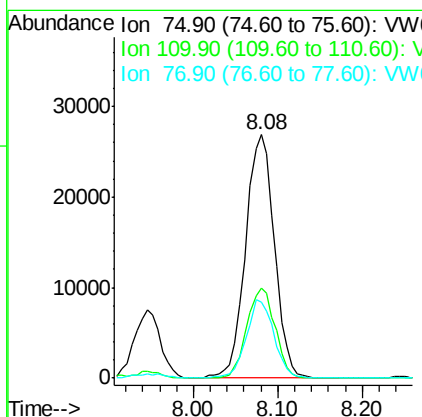
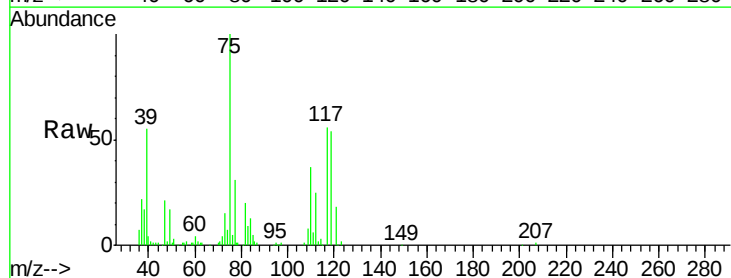
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

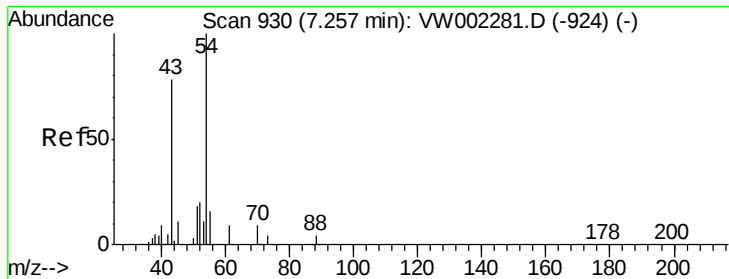
Tot Ion:113 Resp: 110832
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.5 122.3
 192 21.1 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 19.96 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 75 Resp: 61994
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.1
 77 31.2 24.5 36.7

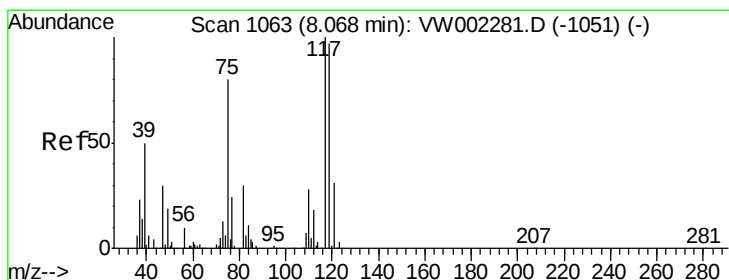
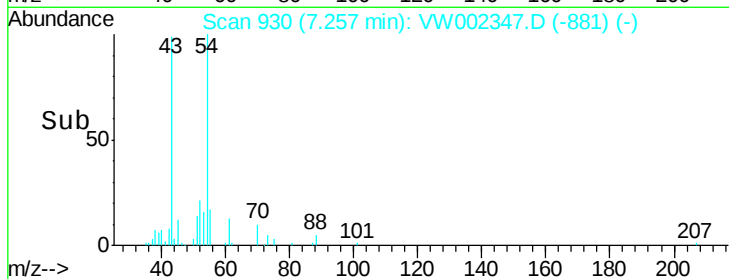
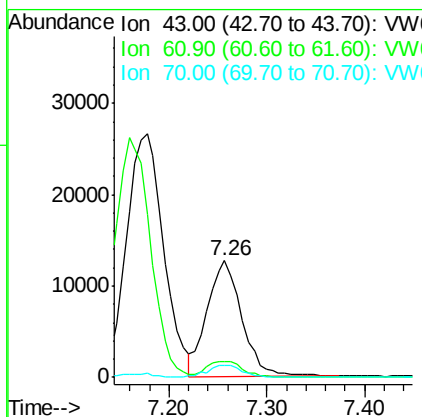
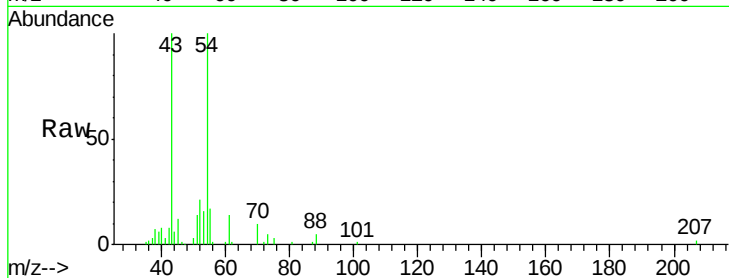




#37
Ethyl Acetate
Concen: 20.64 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

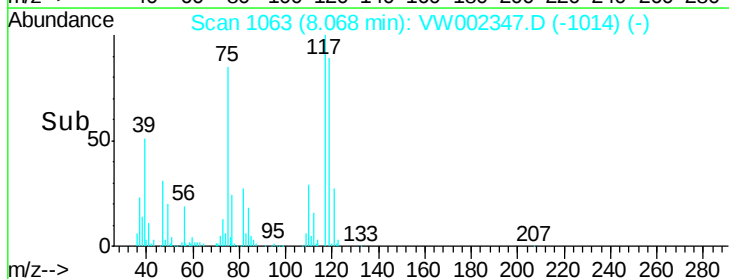
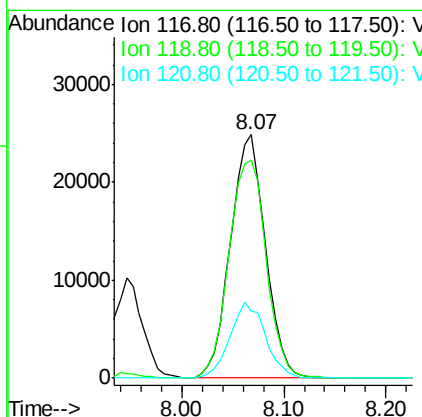
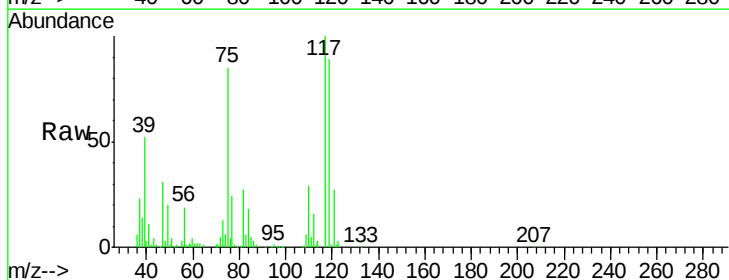
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBS01

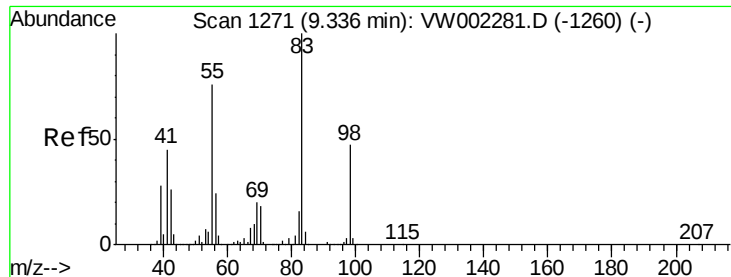
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	10.4	7.9	11.9



#38
Carbon Tetrachloride
Concen: 19.72 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.4	77.5	116.3
121	27.4	24.4	36.6

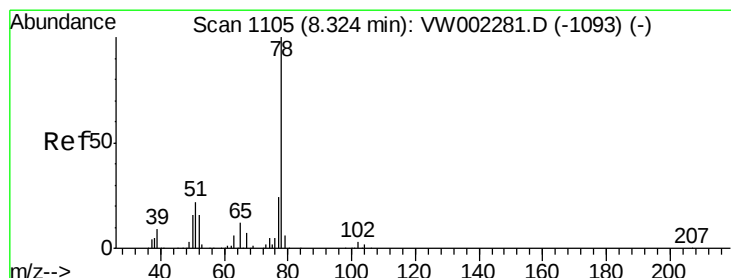
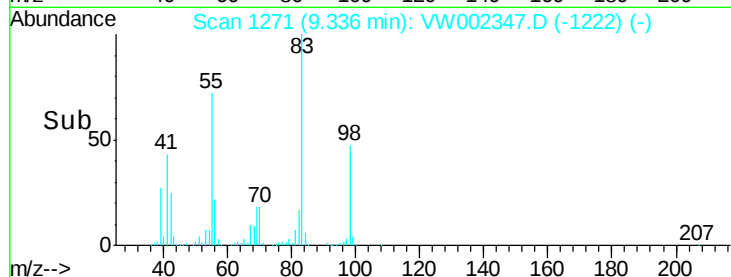
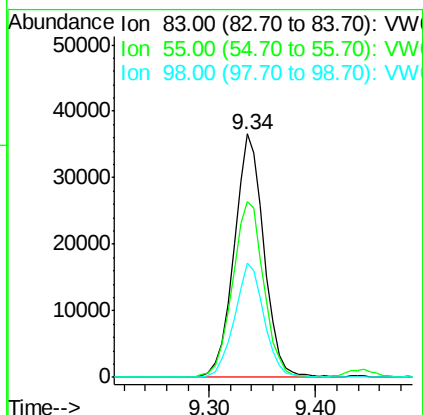
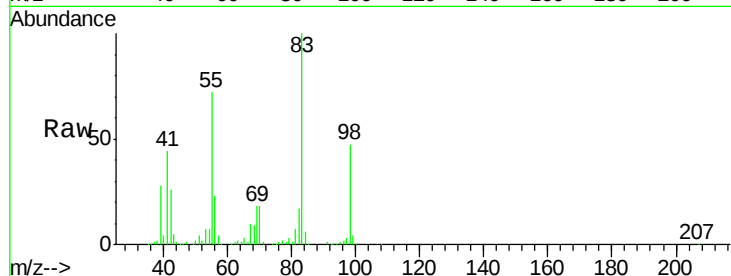




#39
Methvlcvclohexane
Concen: 19.78 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

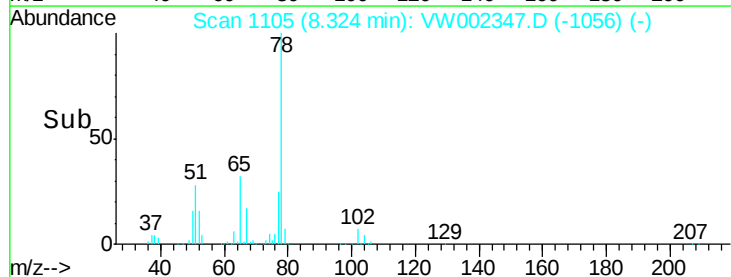
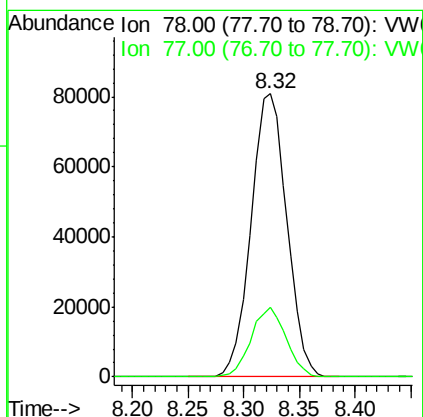
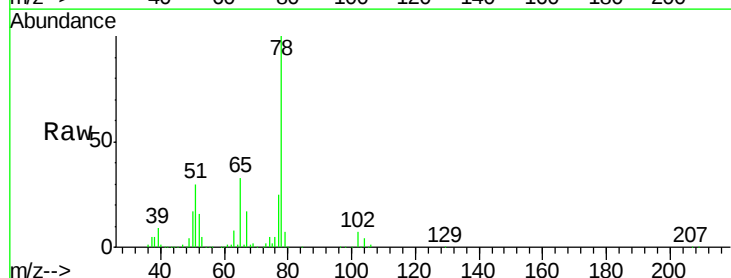
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

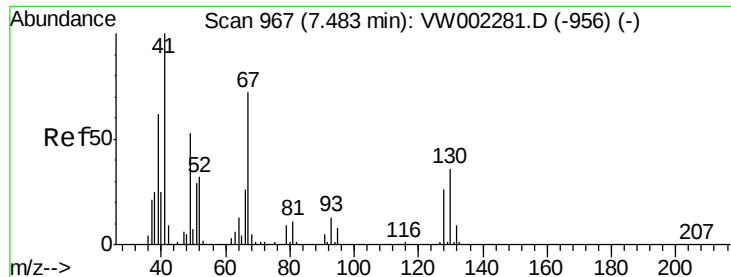
Tot Ion: 83 Resp: 71701
Ion Ratio Lower Upper
83 100
55 72.2 60.6 91.0
98 46.7 37.4 56.0



#40
Benzene
Concen: 19.95 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 78 Resp: 181177
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

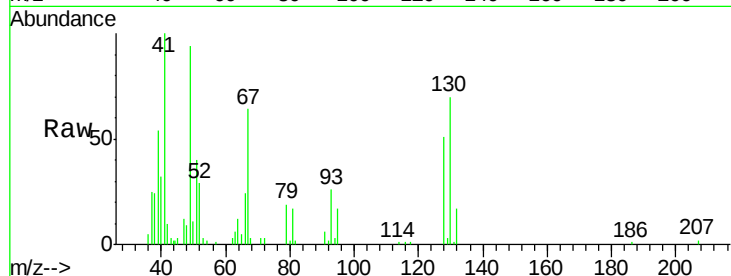




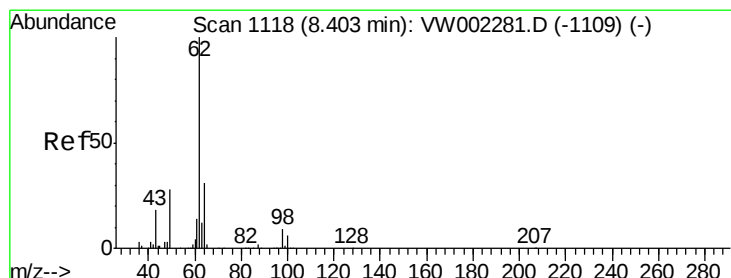
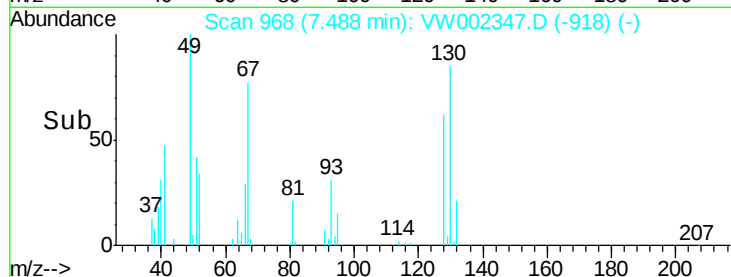
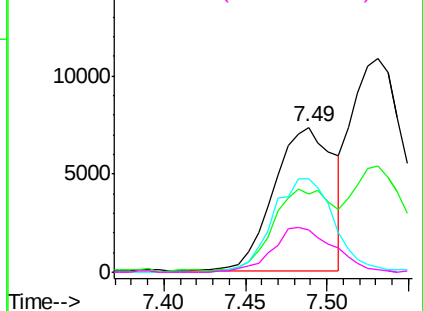
#41
Methacrylonitrile
Concen: 21.49 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.01 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Instrument :
MSVOA_W
ClientSampleId :
VW0509SBS01

Tot Ion:	41	Resp:	18642
Ion	Ratio	Lower	Upper
41	100		
39	58.4	40.2	60.4
67	68.2	54.7	82.1
52	32.1	23.6	35.4

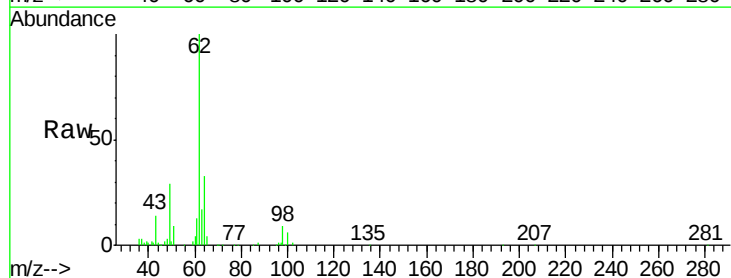


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

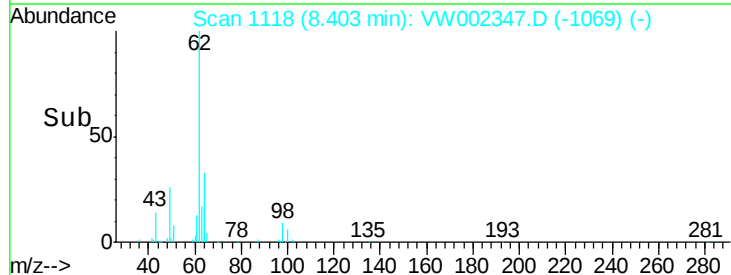
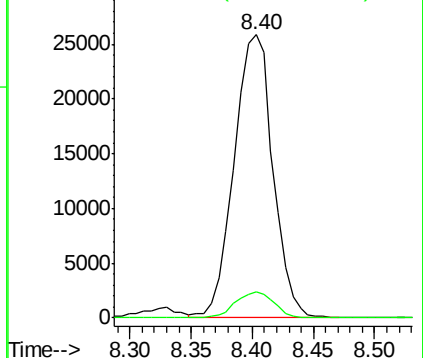


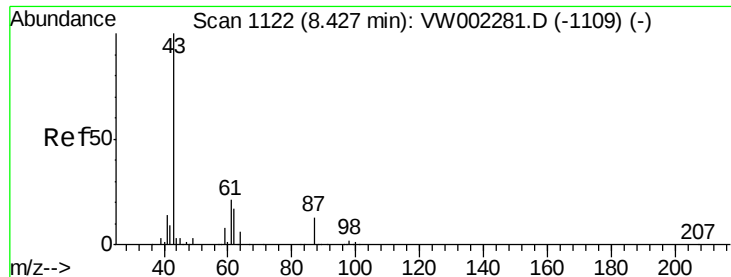
#42
1,2-Dichloroethane
Concen: 20.13 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion:	62	Resp:	57016
Ion	Ratio	Lower	Upper
62	100		
98	9.2	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: 19.97 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

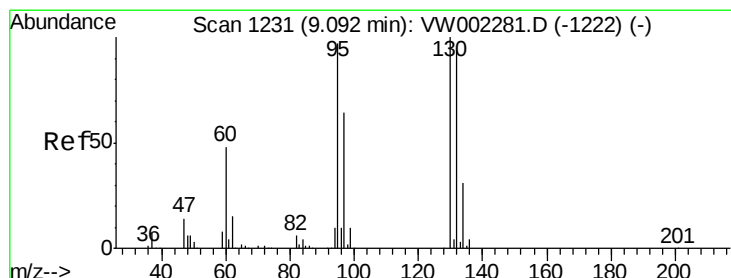
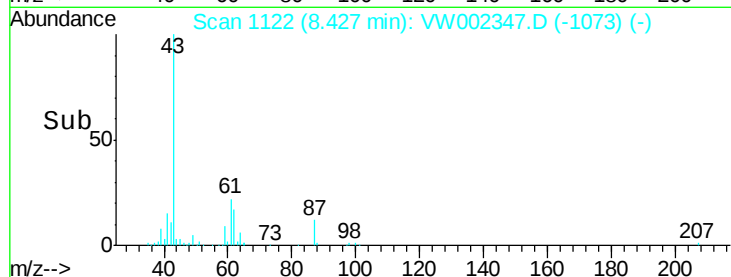
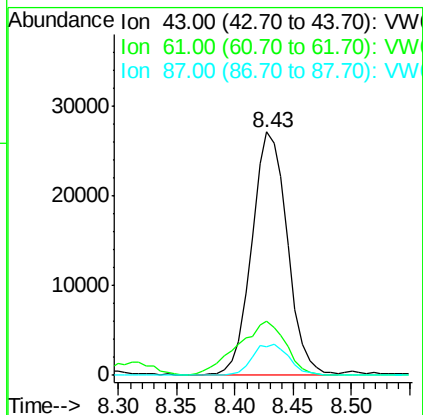
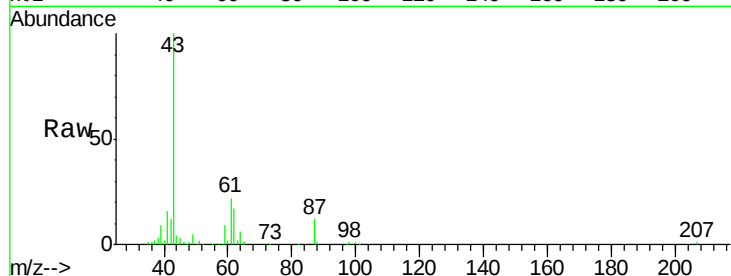
Tot Ion: 43 Resp: 57363

Ion Ratio Lower Upper

43 100

61 30.3 23.7 35.5

87 13.6 10.7 16.1



#44

Trichloroethene

Concen: 19.85 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW002347.D

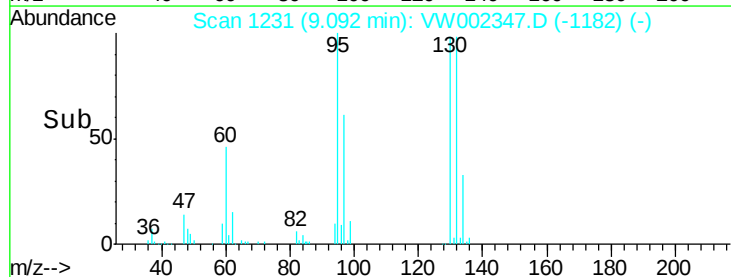
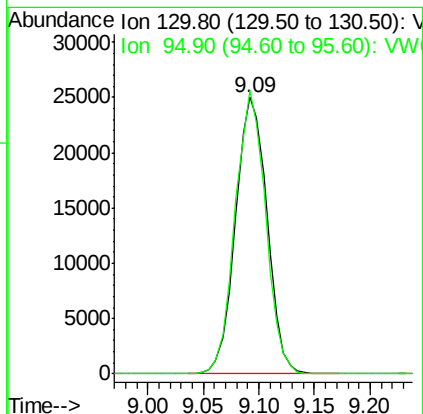
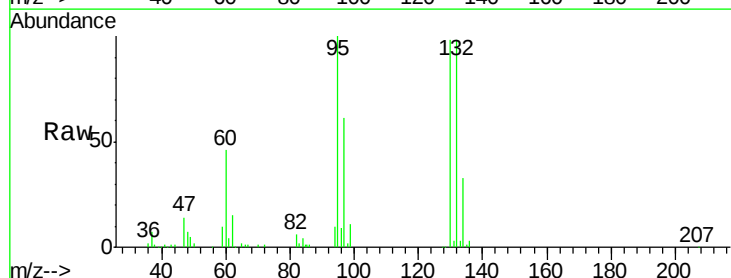
Acq: 10 May 2018 00:30

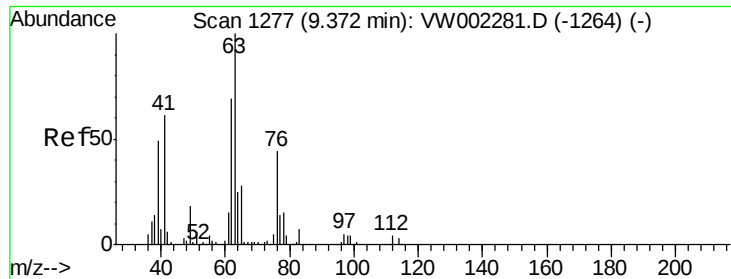
Tgt Ion: 130 Resp: 49146

Ion Ratio Lower Upper

130 100

95 102.4 0.0 193.4

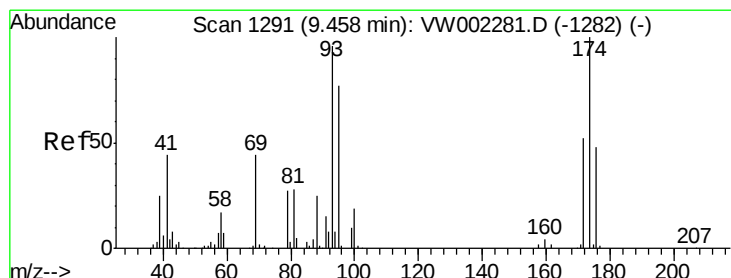
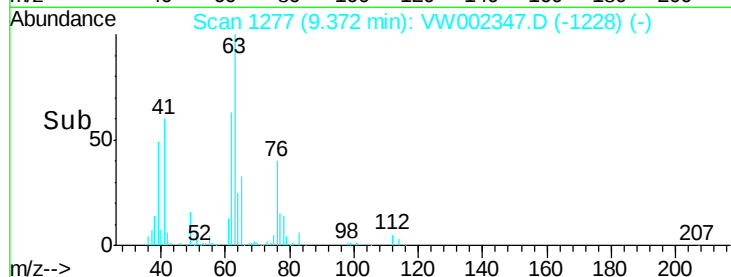
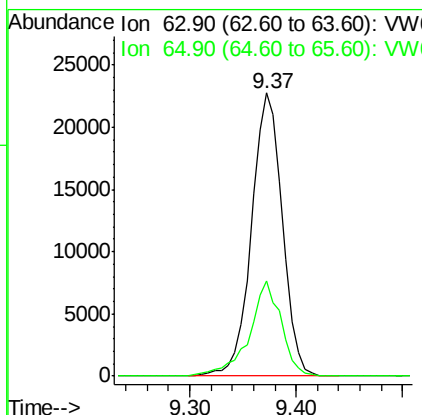
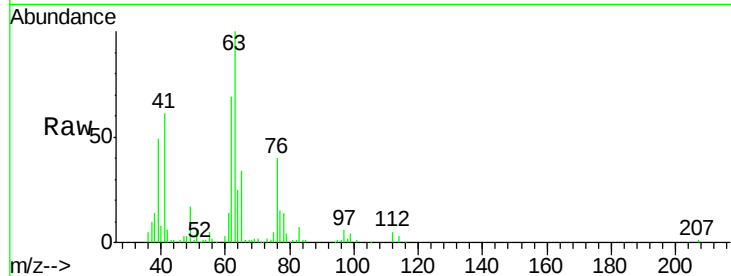




#45
 1,2-Dichloropropane
 Concen: 20.31 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

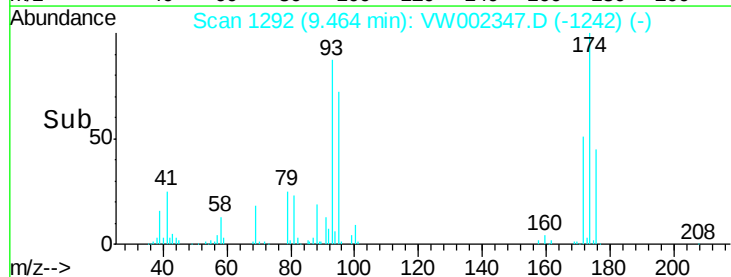
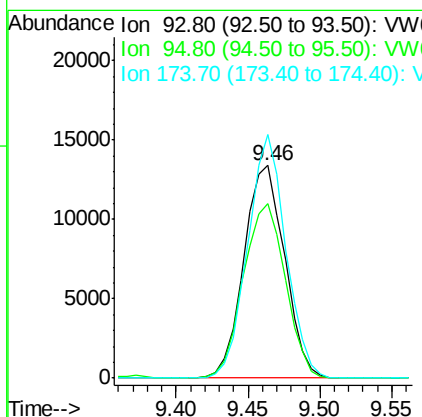
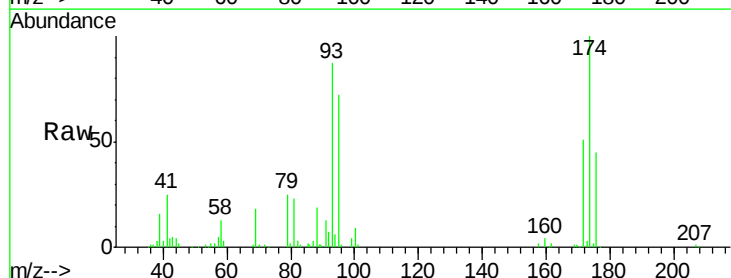
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0509SBS01

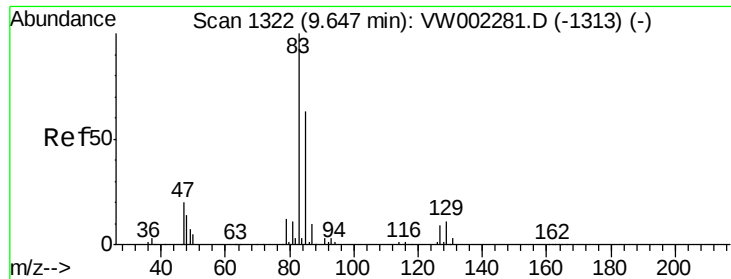
Tot Ion: 63 Resp: 46213
 Ion Ratio Lower Upper
 63 100
 65 33.7 22.9 34.3



#46
 Dibromomethane
 Concen: 20.60 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 93 Resp: 26195
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.4 99.6
 174 107.0 86.8 130.2





#47

Bromodichloromethane

Concen: 19.91 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

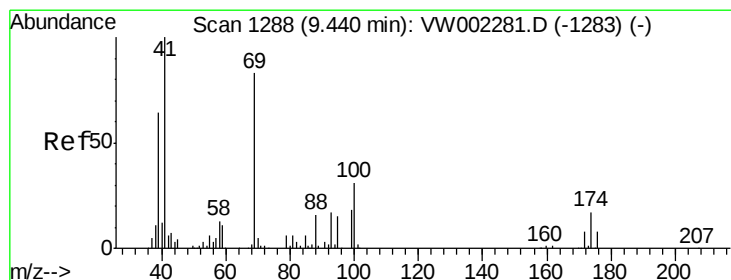
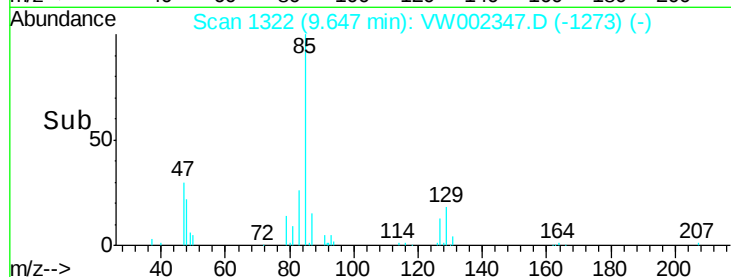
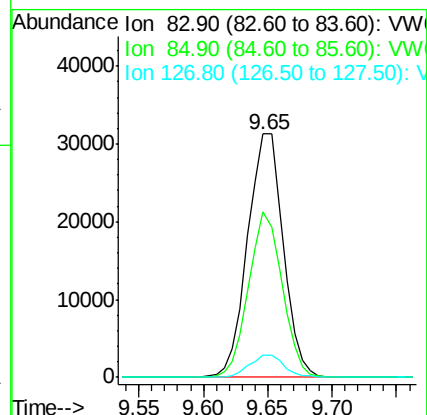
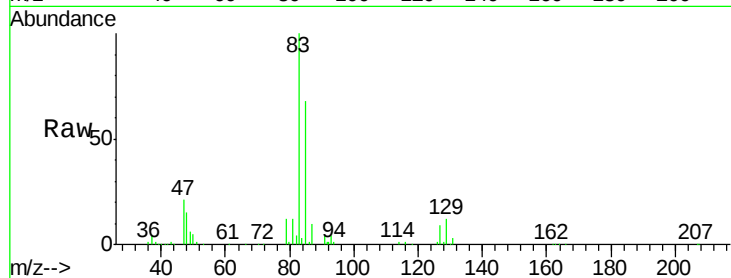
Tot Ion: 83 Resp: 59756

Ion Ratio Lower Upper

83 100

85 68.3 50.2 75.2

127 9.2 6.9 10.3



#48

Methyl methacrylate

Concen: 20.43 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

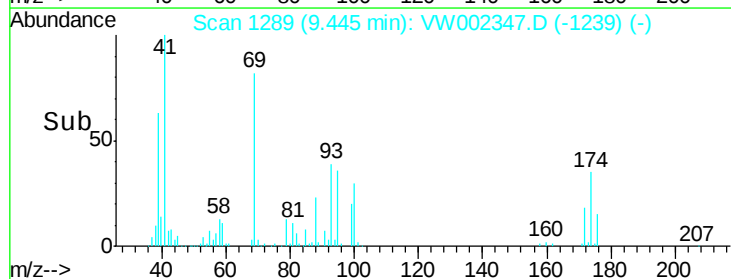
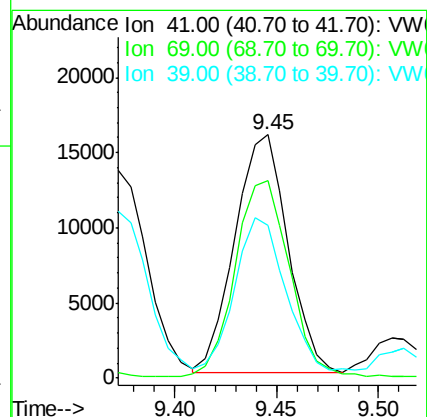
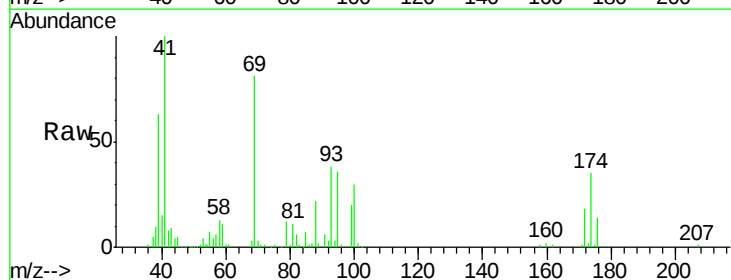
Tgt Ion: 41 Resp: 28486

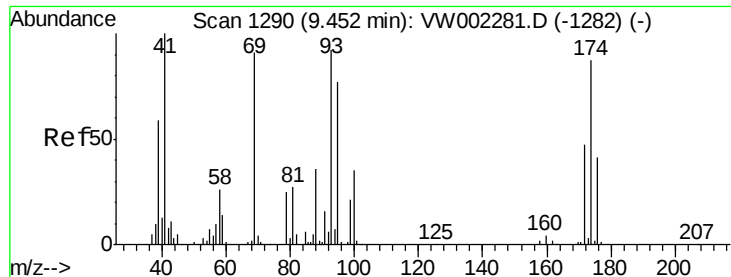
Ion Ratio Lower Upper

41 100

69 87.3 69.9 104.9

39 68.4 54.0 81.0





#49

1,4-Dioxane

Concen: 439.67 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

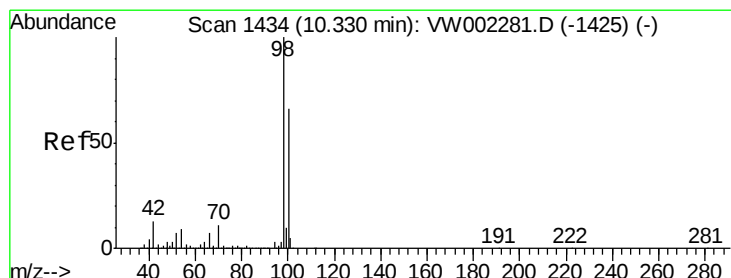
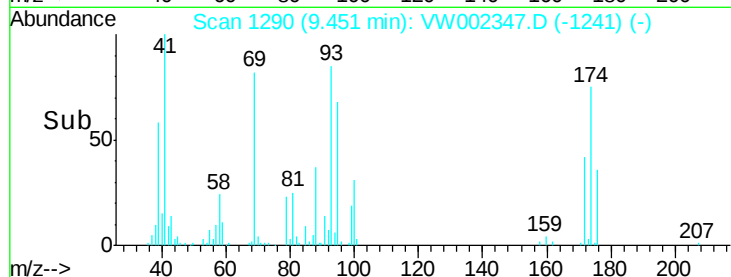
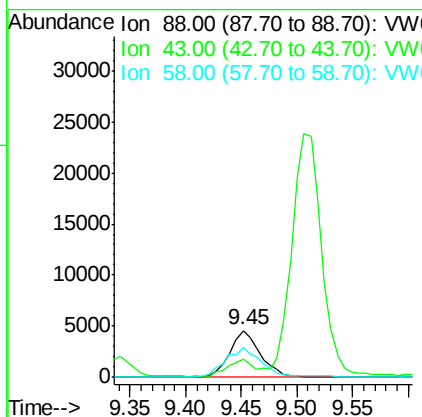
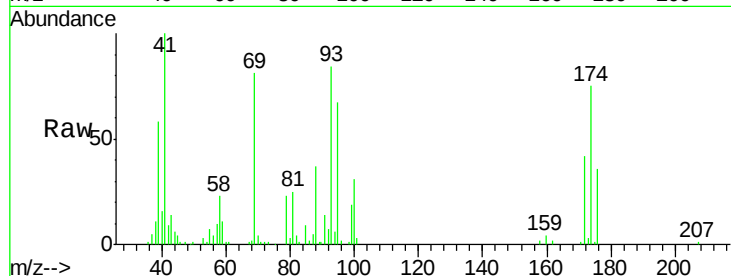
Tot Ion: 88 Resp: 8882

Ion Ratio Lower Upper

88 100

43 33.4 26.3 39.5

58 72.0 56.0 84.0



#50

Toluene-d8

Concen: 50.30 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002347.D

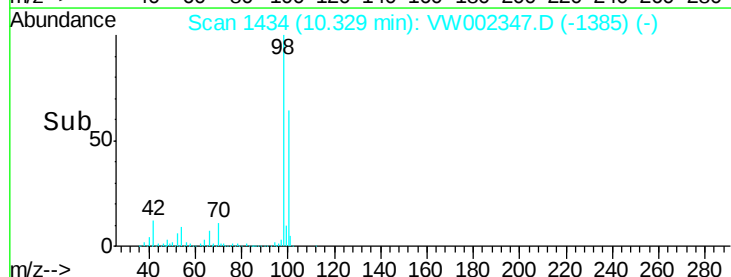
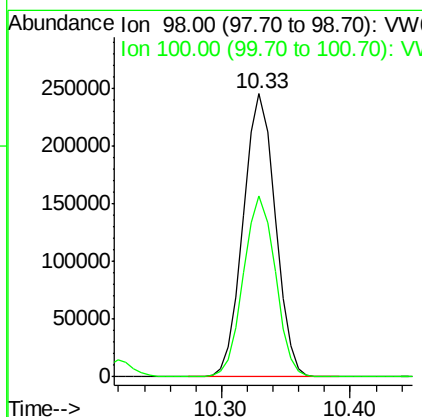
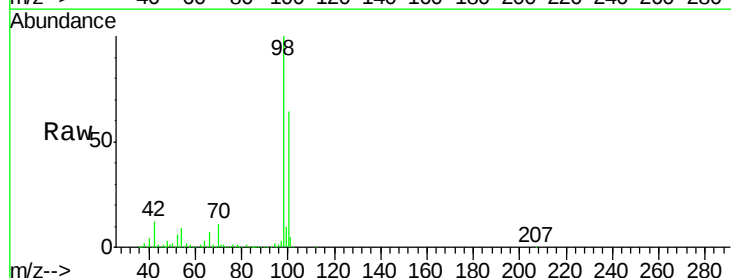
Acq: 10 May 2018 00:30

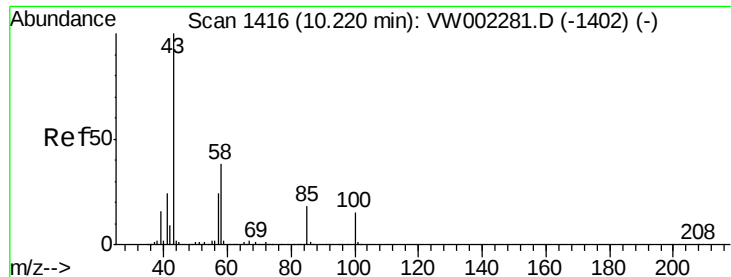
Tgt Ion: 98 Resp: 422306

Ion Ratio Lower Upper

98 100

100 63.5 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 100.41 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampled :

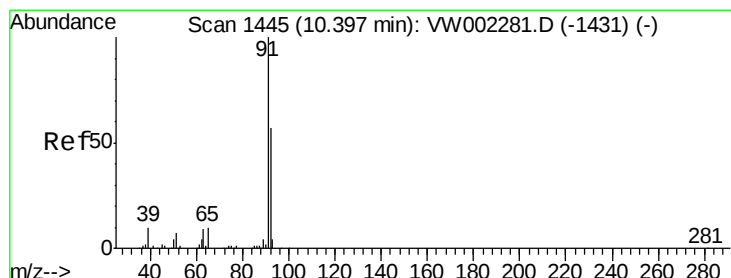
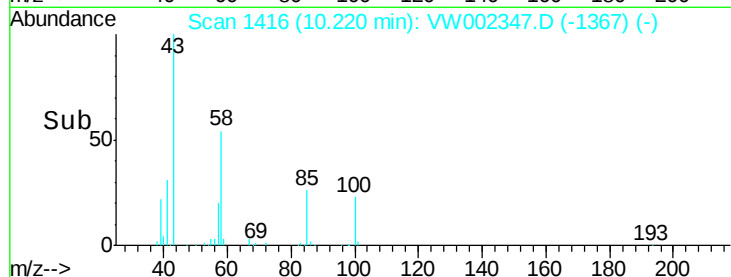
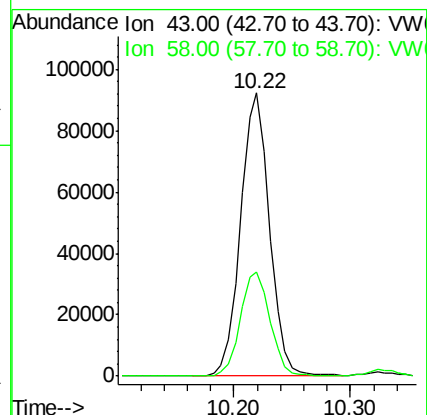
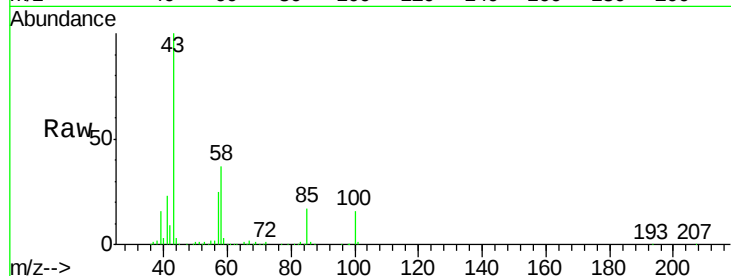
VW0509SBS01

Tot Ion: 43 Resp: 159073

Ion Ratio Lower Upper

43 100

58 38.1 30.2 45.2



#52

Toluene

Concen: 20.04 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW002347.D

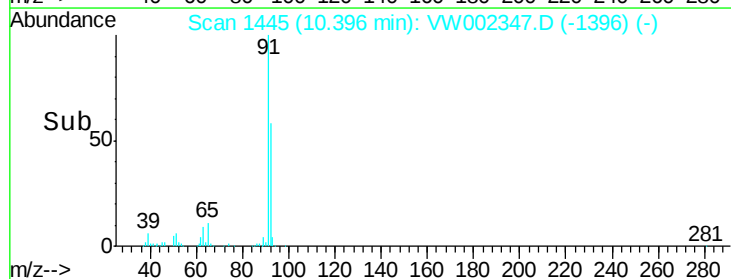
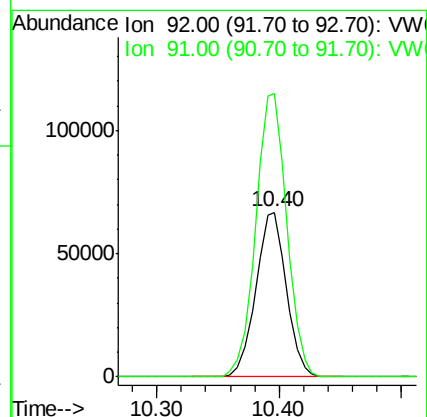
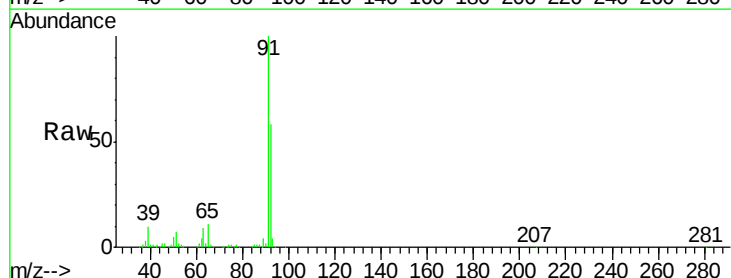
Acq: 10 May 2018 00:30

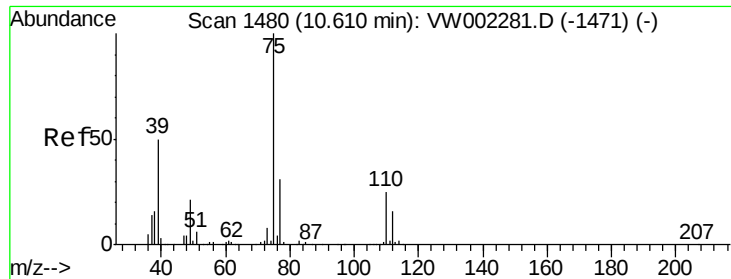
Tgt Ion: 92 Resp: 115540

Ion Ratio Lower Upper

92 100

91 175.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 19.83 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

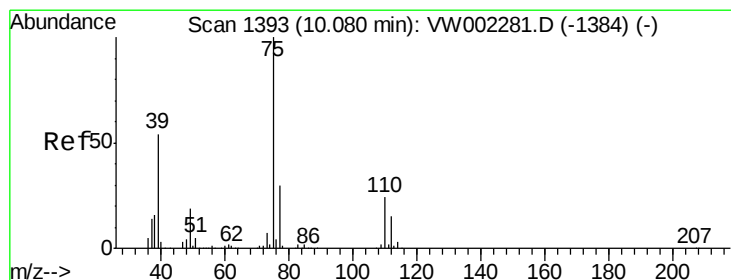
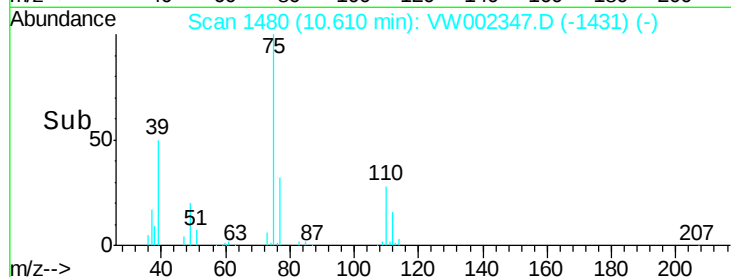
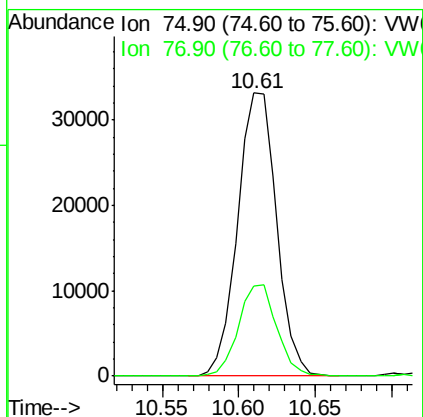
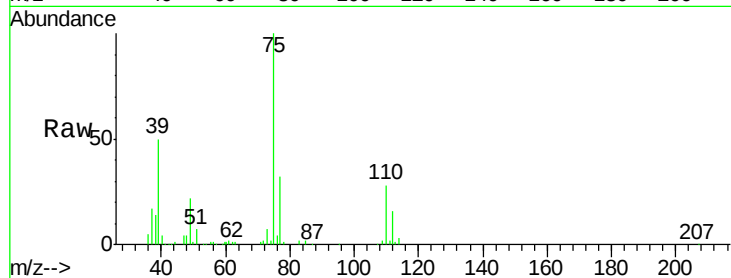
VW0509SBSD01

Tot Ion: 75 Resp: 58518

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

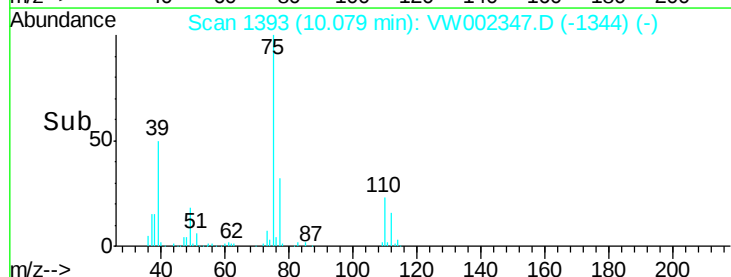
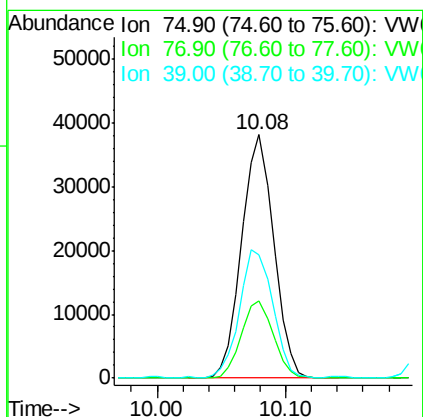
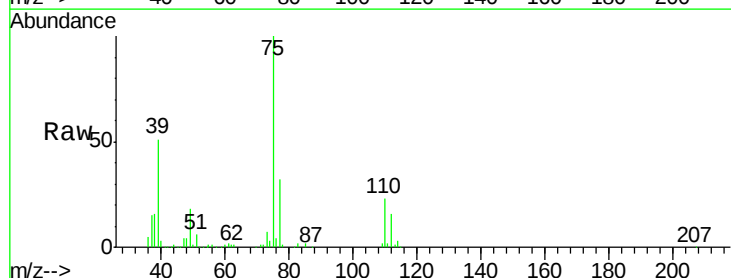
Tgt Ion: 75 Resp: 66011

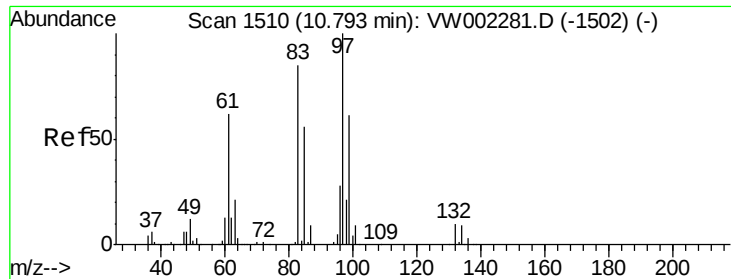
Ion Ratio Lower Upper

75 100

77 31.9 23.9 35.9

39 50.2 43.2 64.8





#55

1,1,2-Trichloroethane

Concen: 20.39 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

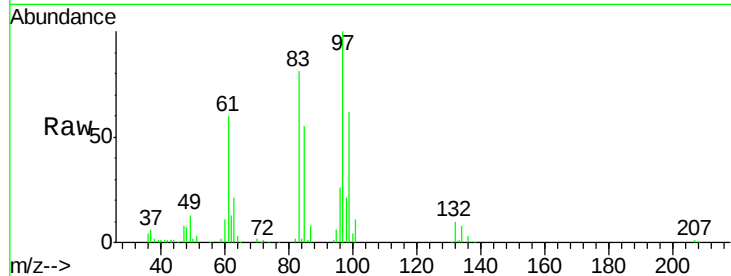
MSVOA_W

ClientSampleId :

VW0509SBSD01

Tot Ion: 97 Resp: 36503

Ion	Ratio	Lower	Upper
97	100		
83	80.6	68.4	102.6
85	55.4	44.6	67.0
99	62.4	48.8	73.2

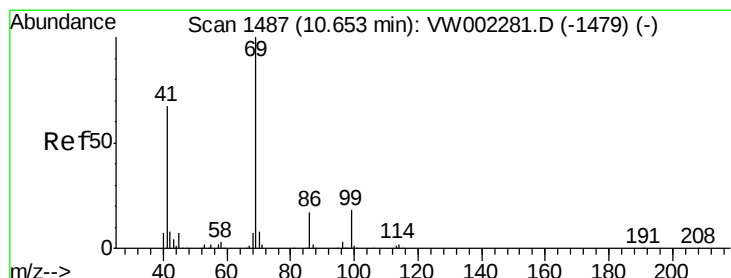
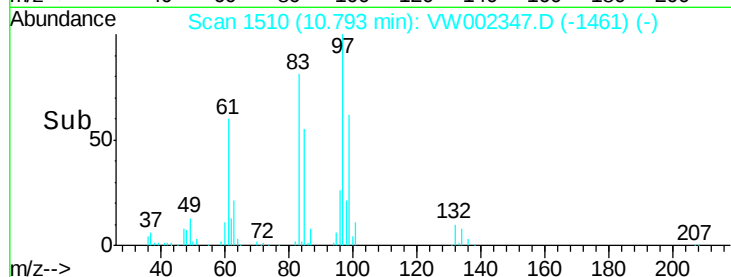
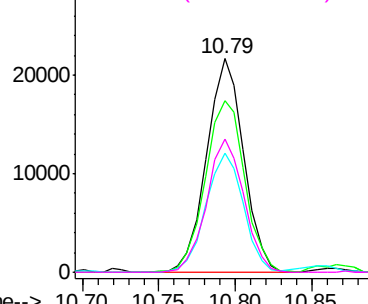


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.02 ug/l

RT: 10.65 min Scan# 1487

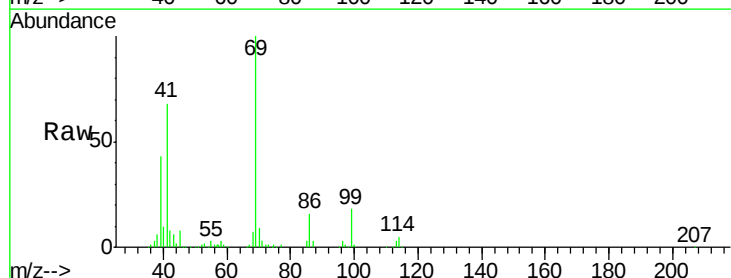
Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Tgt Ion: 69 Resp: 44321

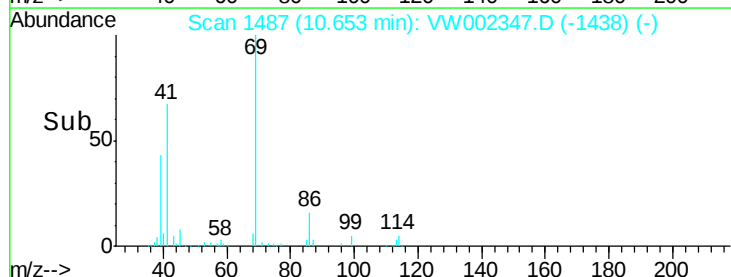
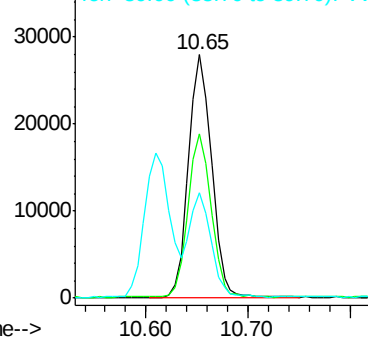
Ion	Ratio	Lower	Upper
69	100		
41	66.1	56.0	84.0
39	40.5	32.7	49.1

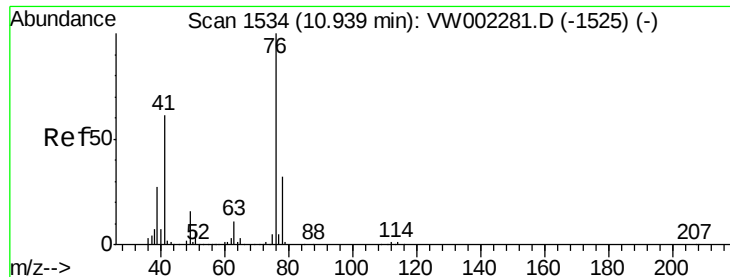


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 20.32 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

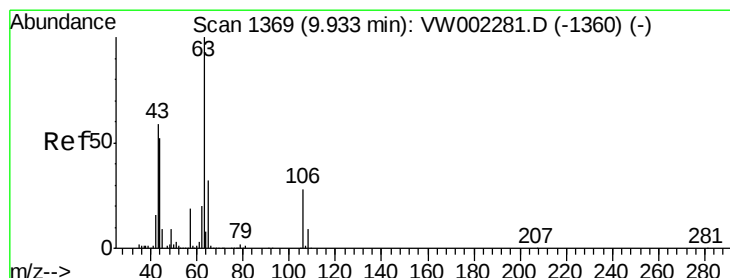
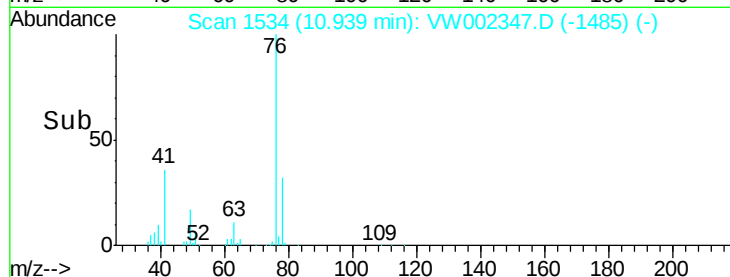
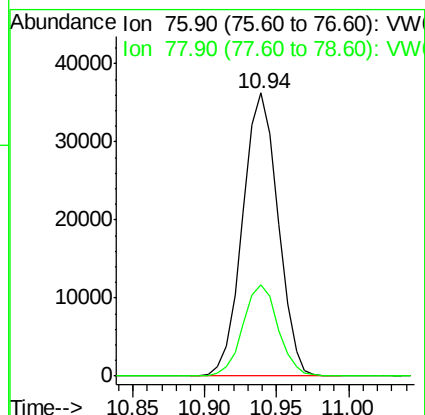
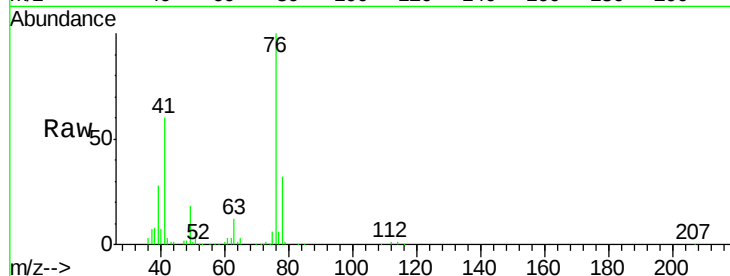
VW0509SBS01

Tot Ion: 76 Resp: 61846

Ion Ratio Lower Upper

76 100

78 32.0 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 103.22 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW002347.D

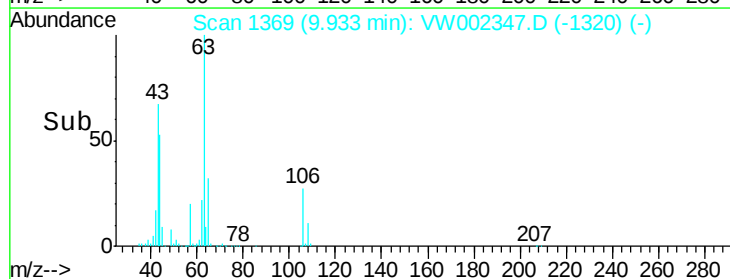
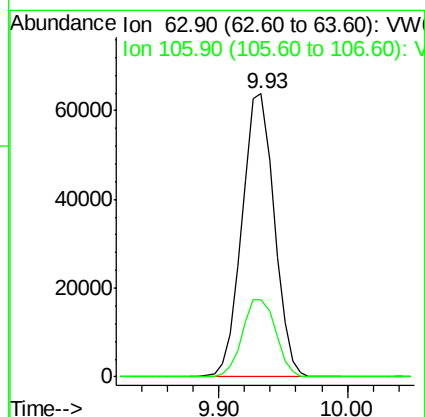
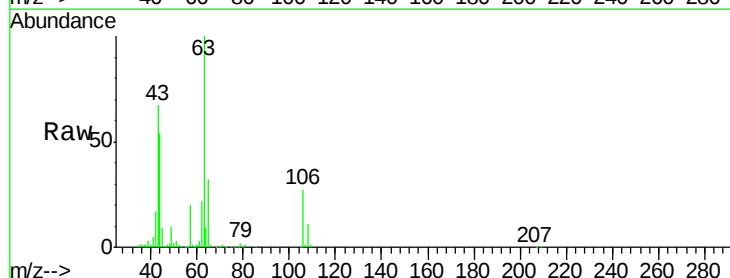
Acq: 10 May 2018 00:30

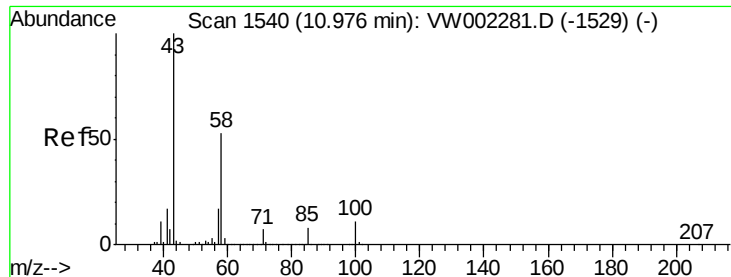
Tgt Ion: 63 Resp: 110899

Ion Ratio Lower Upper

63 100

106 28.1 22.5 33.7

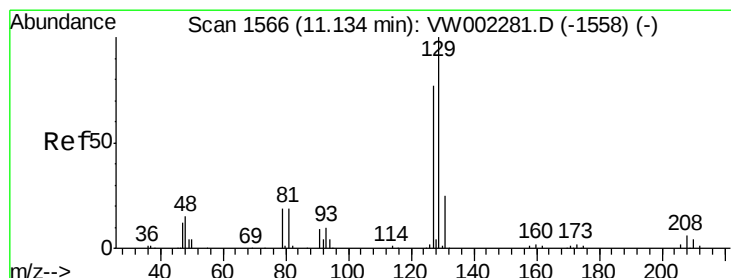
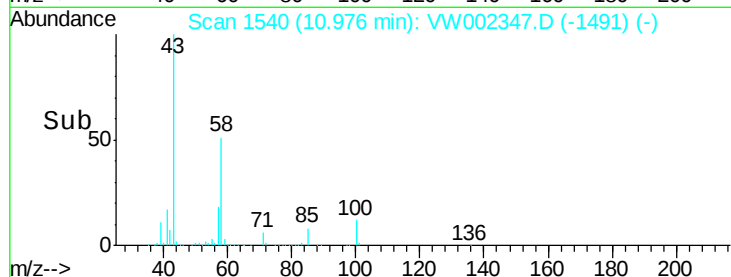
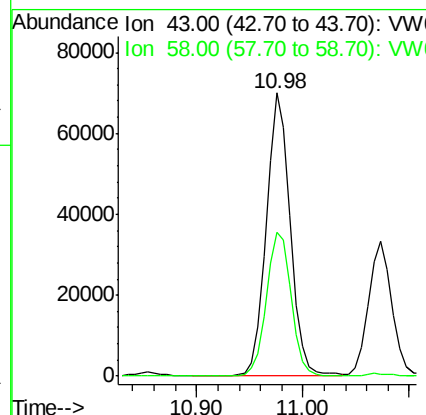
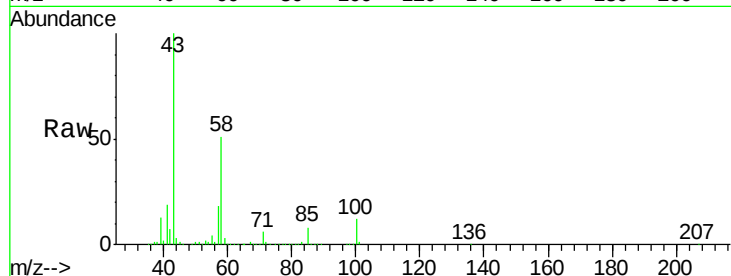




#59
2-Hexanone
Concen: 101.55 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

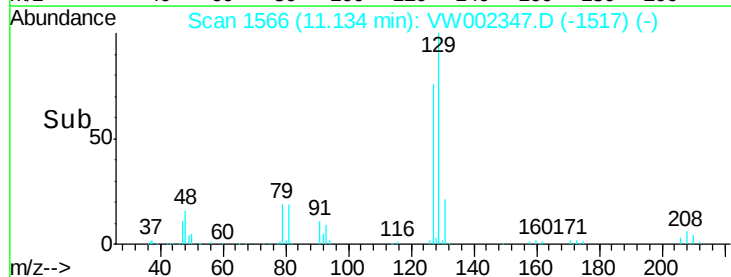
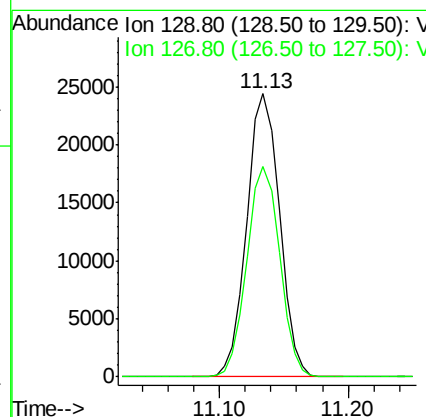
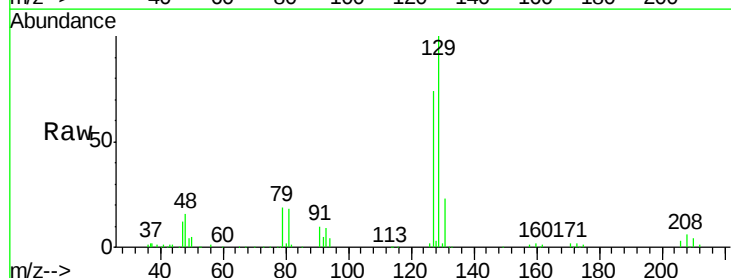
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

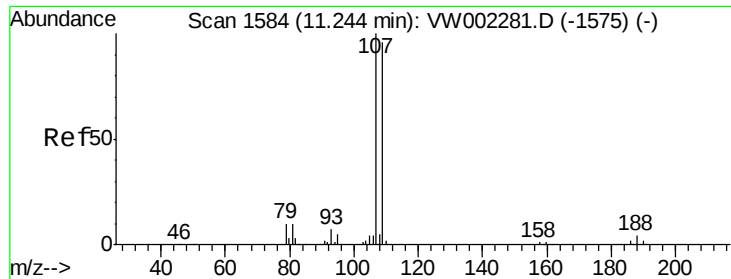
Tot Ion: 43 Resp: 110048
Ion Ratio Lower Upper
43 100
58 52.9 26.0 78.0



#60
Dibromochloromethane
Concen: 20.37 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 129 Resp: 43044
Ion Ratio Lower Upper
129 100
127 74.5 39.0 116.9

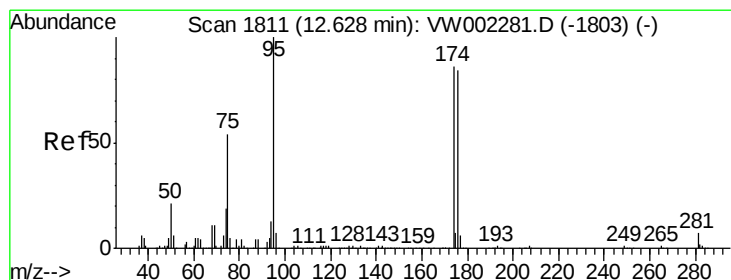
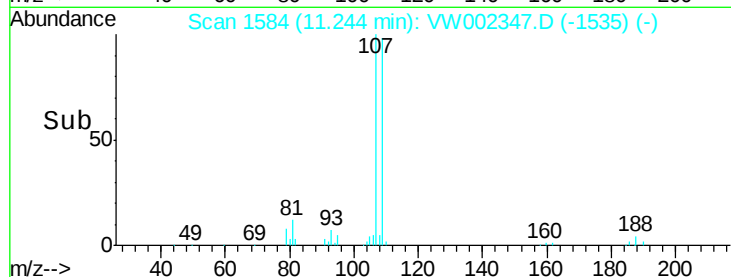
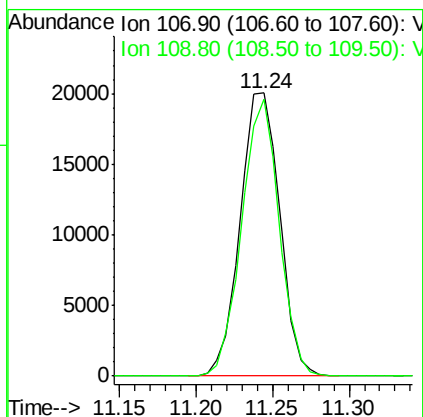
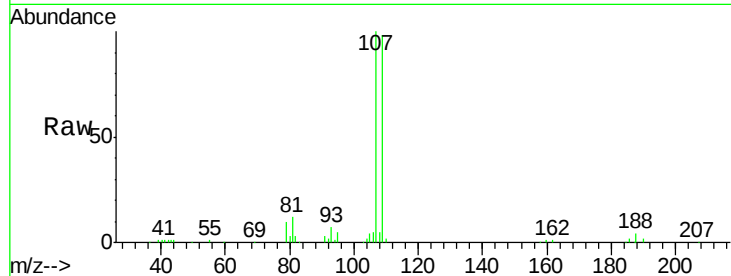




#61
 1,2-Dibromoethane
 Concen: 20.63 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

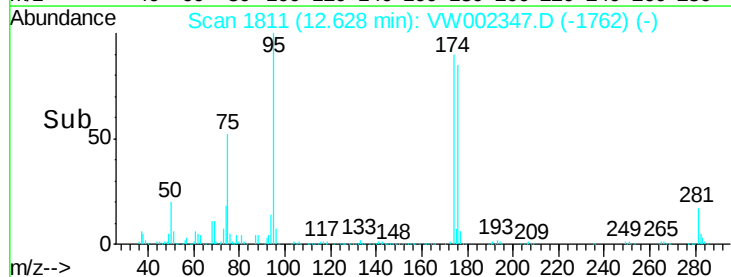
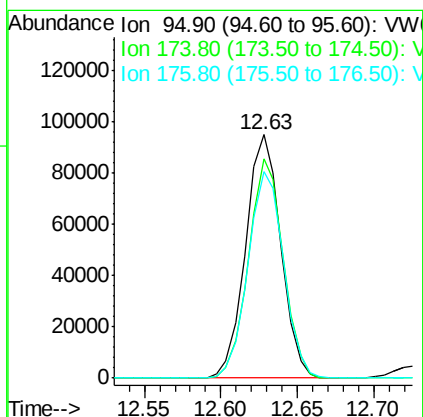
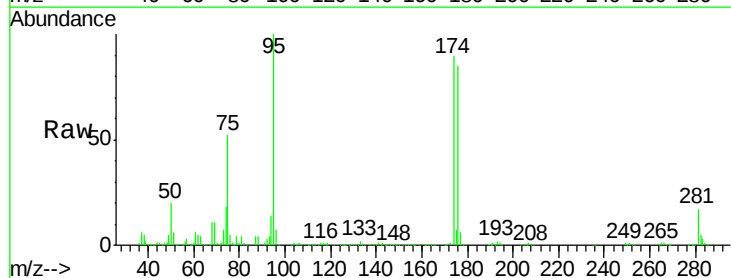
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

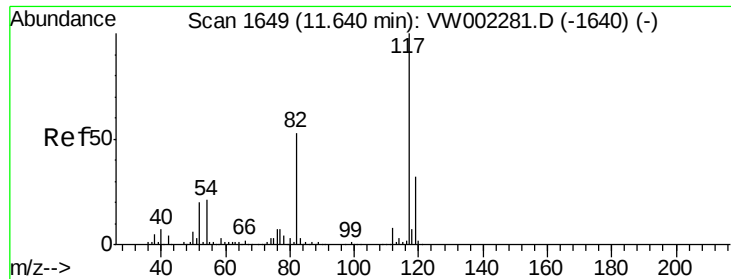
Tot Ion:107 Resp: 36114
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.96 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion: 95 Resp: 151582
 Ion Ratio Lower Upper
 95 100
 174 88.7 0.0 176.8
 176 86.1 0.0 170.4

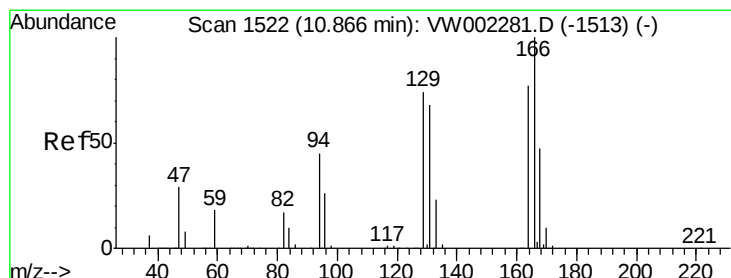
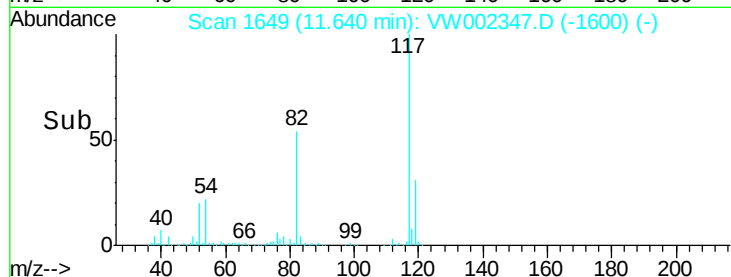
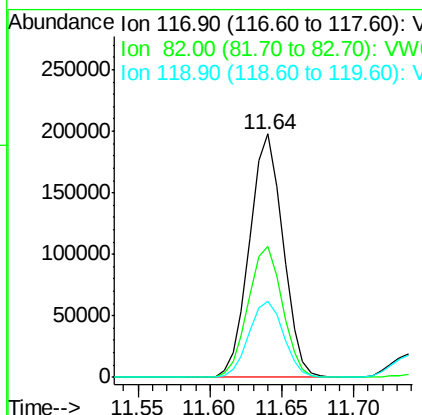
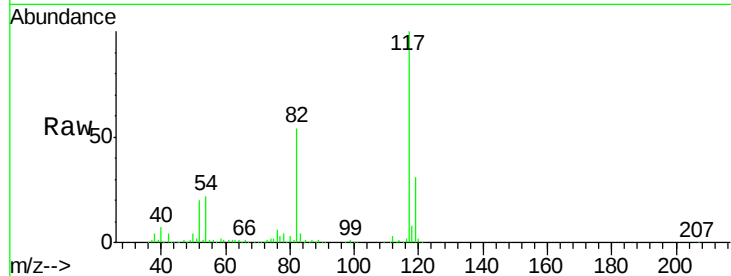




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

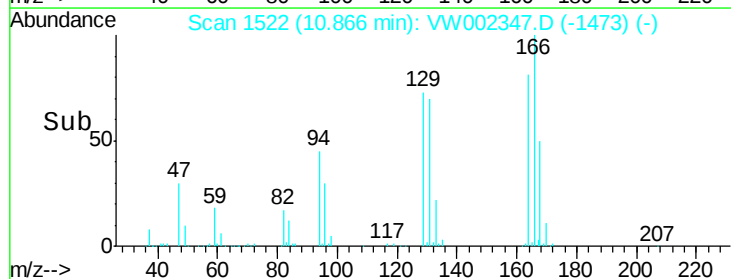
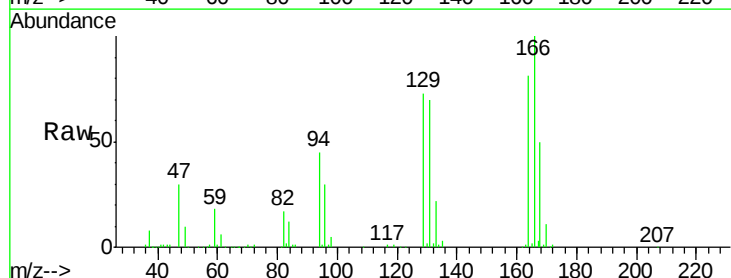
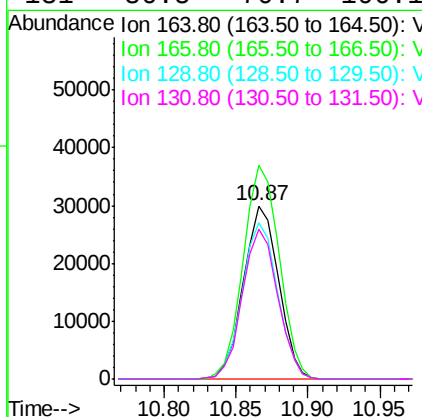
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

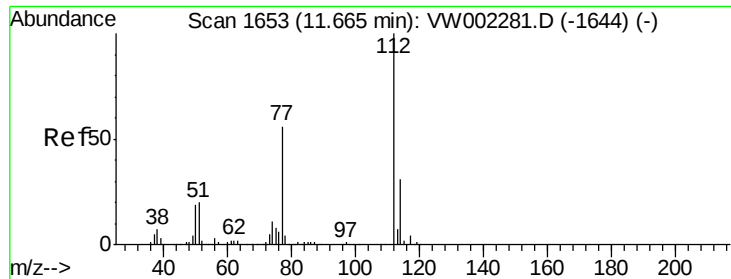
Tot Ion:117 Resp: 318457
Ion Ratio Lower Upper
117 100
82 53.7 42.6 63.8
119 31.2 25.2 37.8



#64
Tetrachloroethene
Concen: 20.70 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion:164 Resp: 50737
Ion Ratio Lower Upper
164 100
166 123.2 103.3 154.9
129 90.4 76.6 114.8
131 86.5 70.7 106.1





#65

Chlorobenzene

Concen: 20.12 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

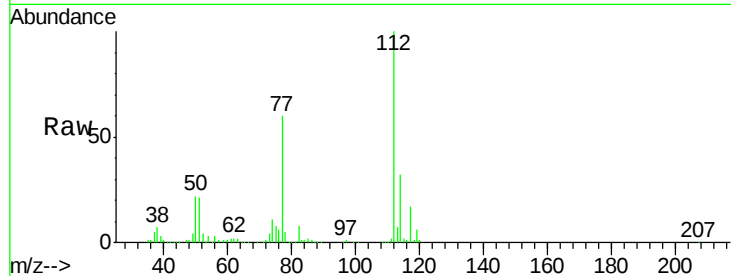
VW0509SBSD01

Tot Ion:112 Resp: 130942

Ion Ratio Lower Upper

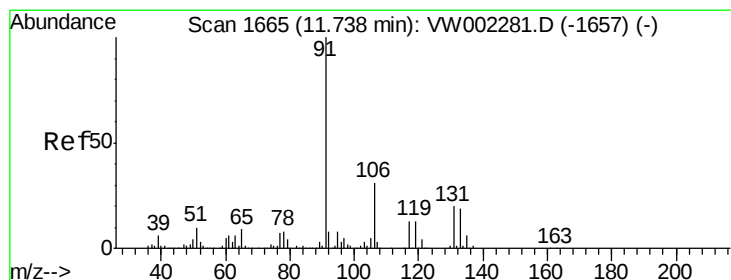
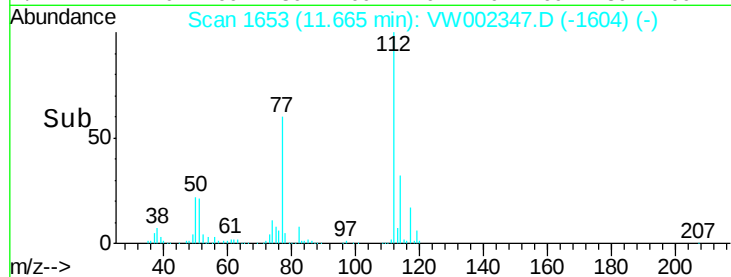
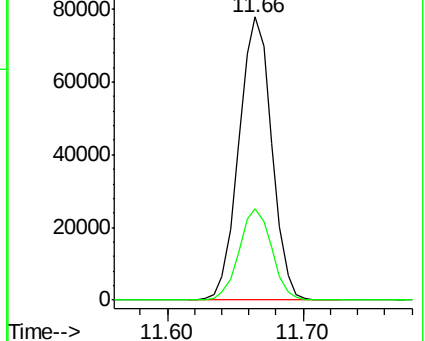
112 100

114 32.3 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

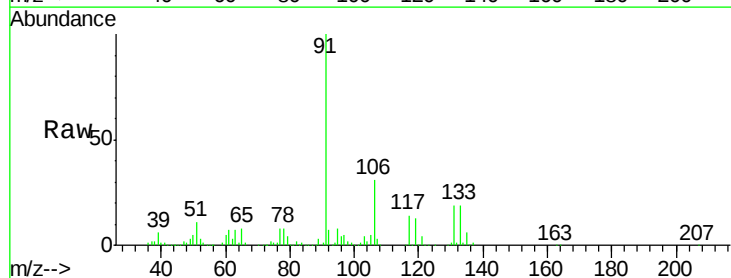
Tgt Ion:131 Resp: 46177

Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

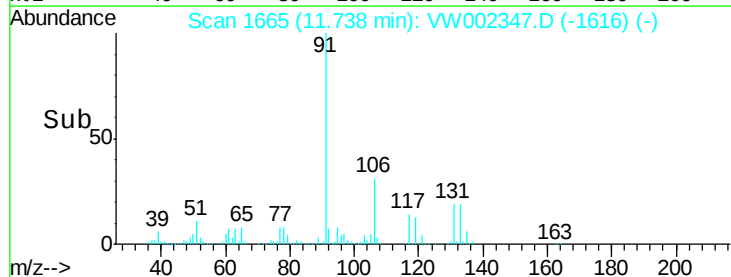
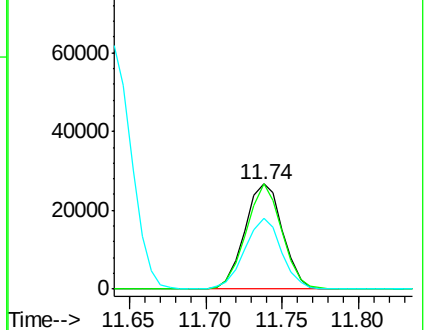
119 64.9 32.0 96.0

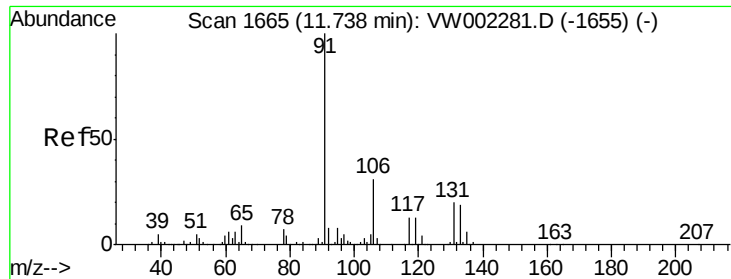


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

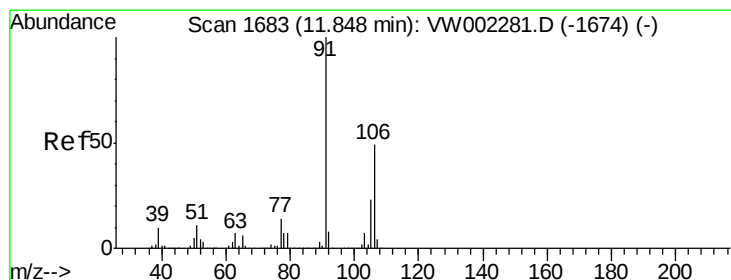
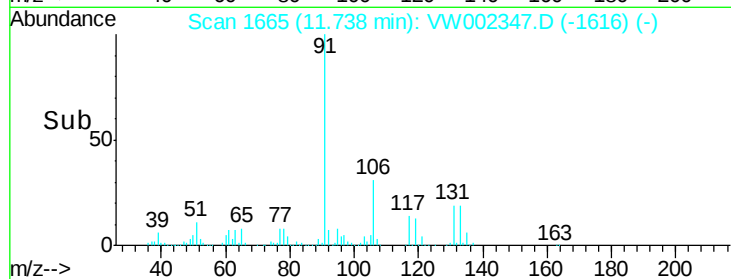
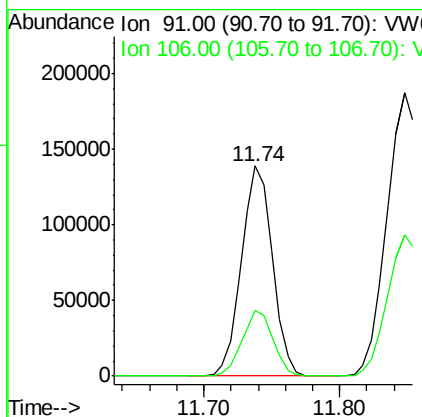
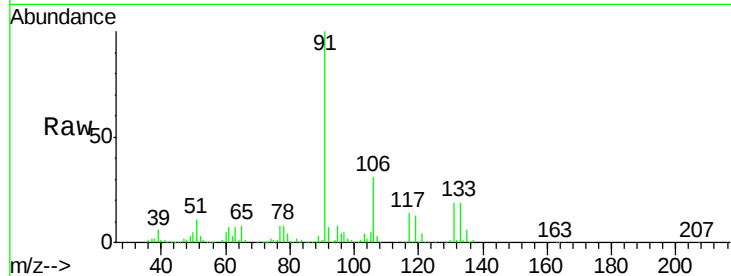




#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

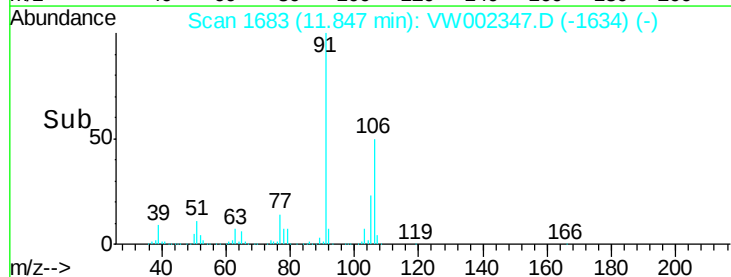
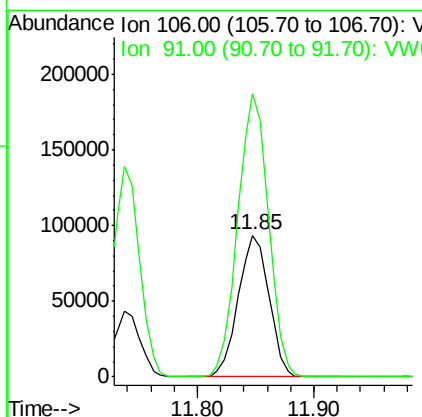
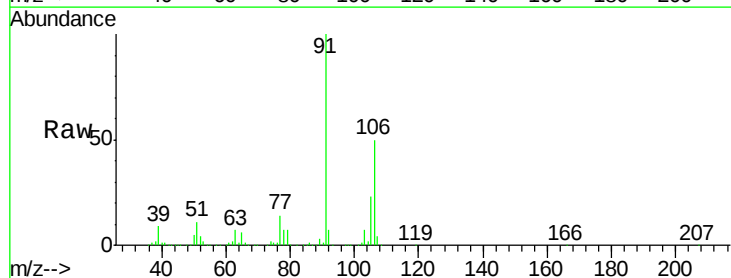
Instrument :
MSVOA_W
ClientSampleID :
VW0509SBSD01

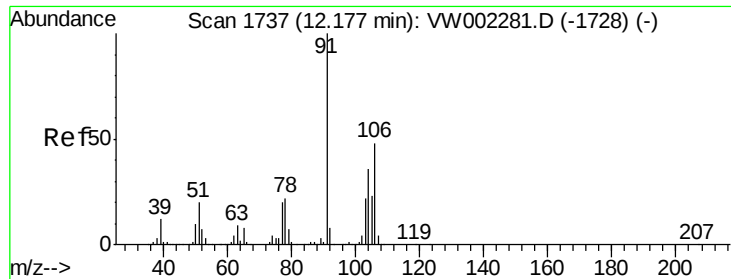
Tot Ion: 91 Resp: 221121
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 40.05 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 106 Resp: 172838
Ion Ratio Lower Upper
106 100
91 199.7 161.4 242.0

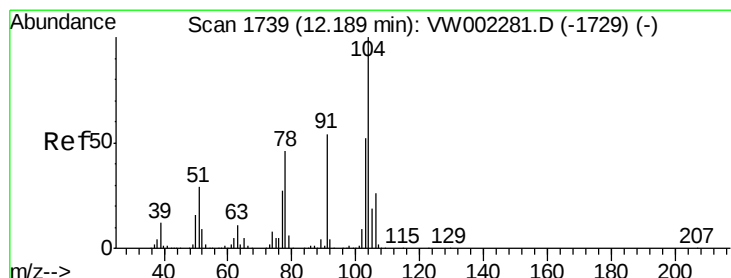
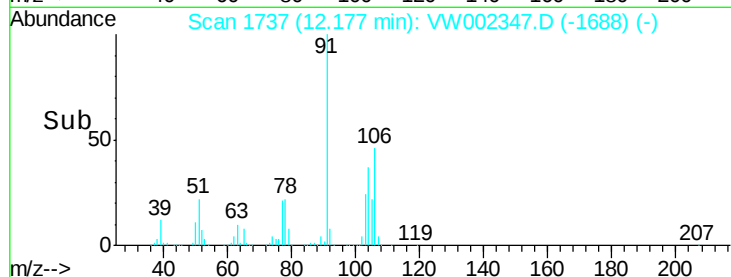
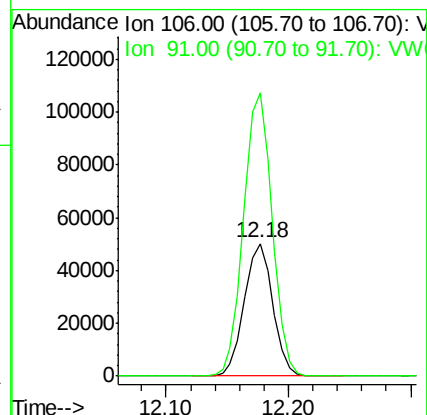
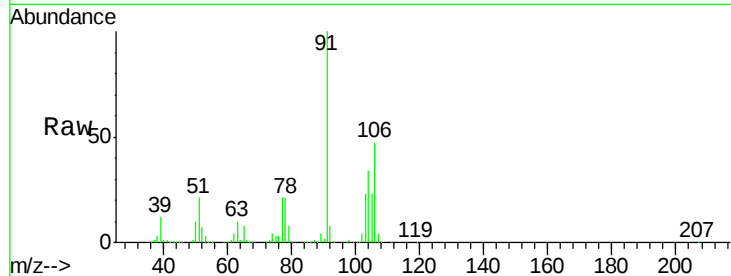




#69
o-Xylene
Concen: 19.78 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

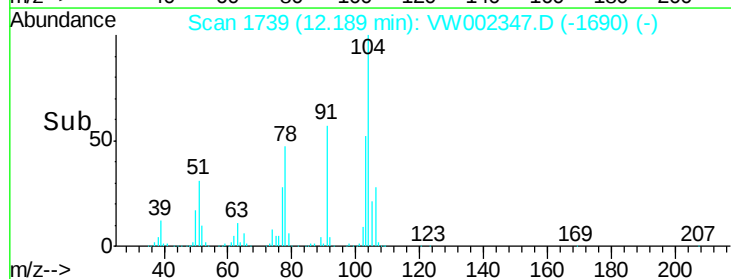
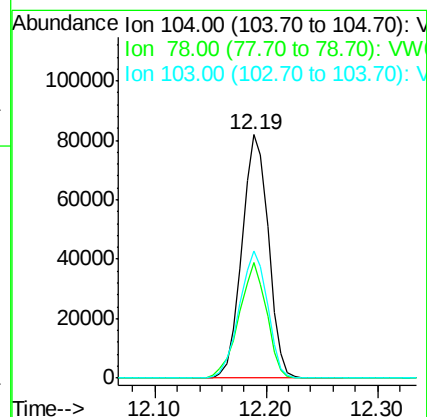
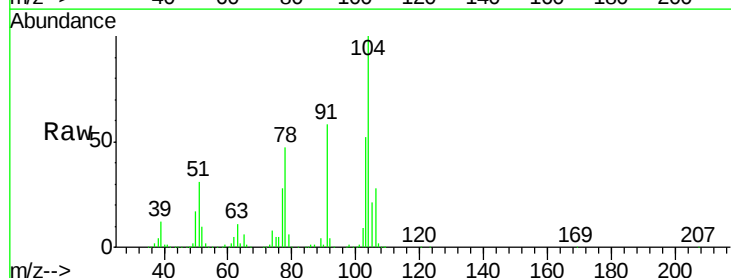
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBSD01

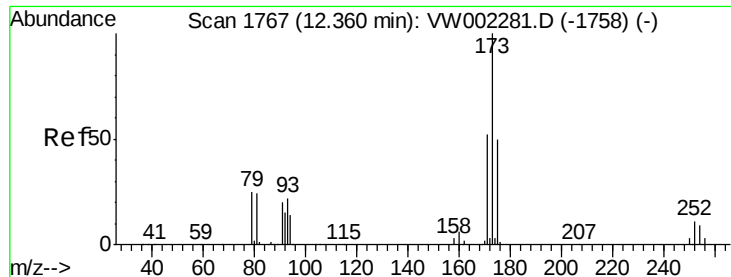
Tot Ion:106 Resp: 81160
Ion Ratio Lower Upper
106 100
91 214.3 107.1 321.1



#70
Styrene
Concen: 19.79 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion:104 Resp: 134887
Ion Ratio Lower Upper
104 100
78 49.4 39.6 59.4
103 55.6 44.4 66.6





#71

Bromoform

Concen: 19.93 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

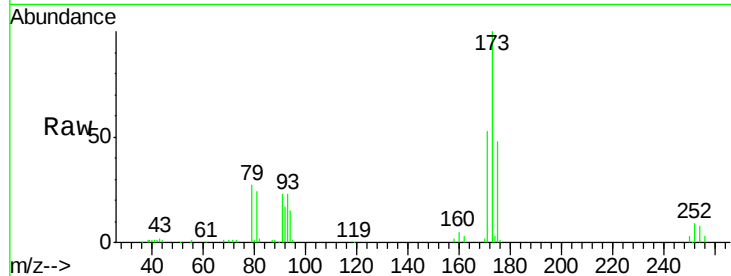
Tot Ion:173 Resp: 26504

Ion Ratio Lower Upper

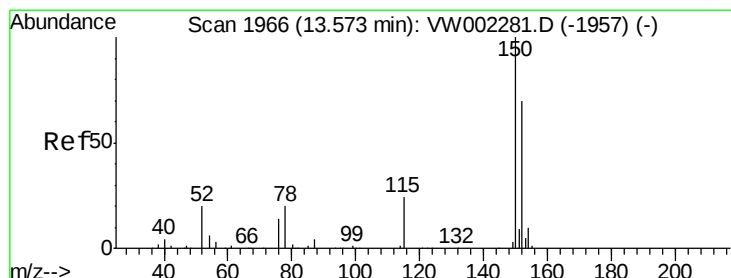
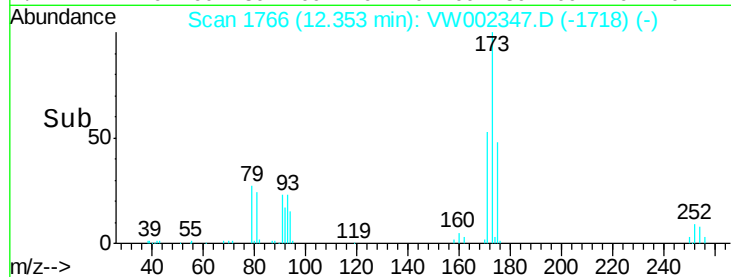
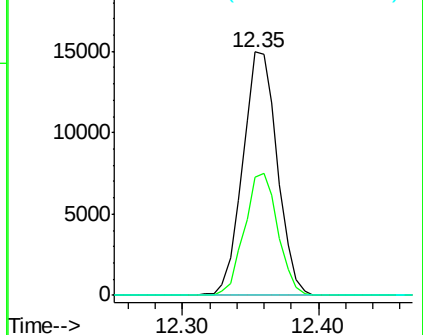
173 100

175 48.7 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: VW002347.D

Acq: 10 May 2018 00:30

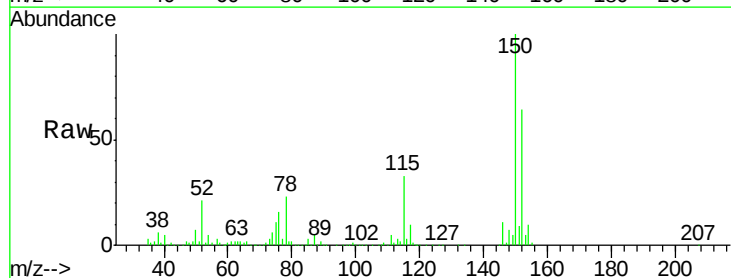
Tgt Ion:152 Resp: 174103

Ion Ratio Lower Upper

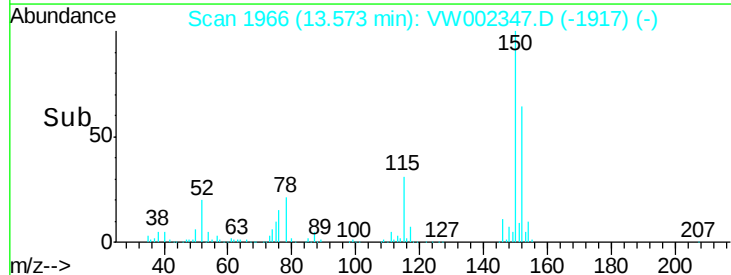
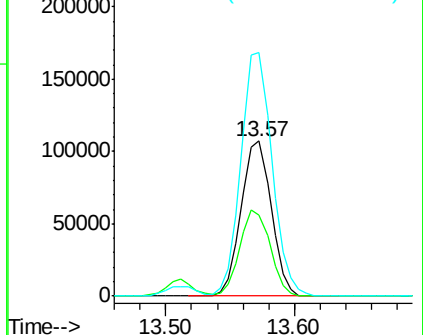
152 100

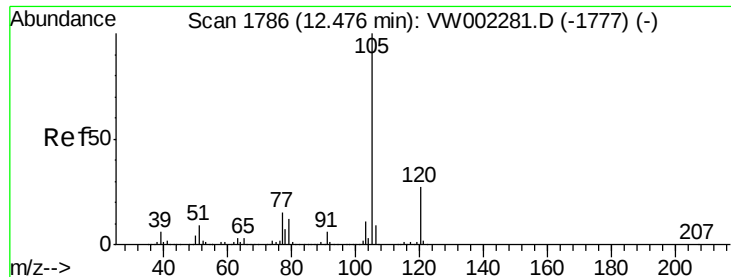
115 55.7 28.5 85.5

150 162.7 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: 19.40 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

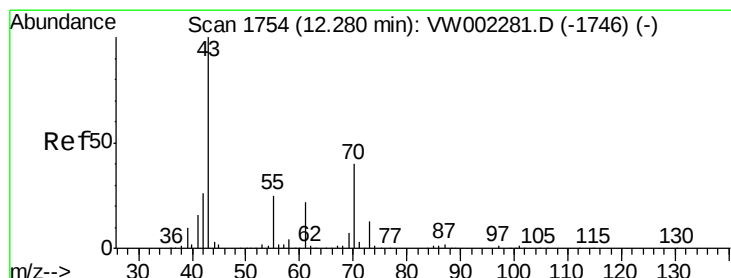
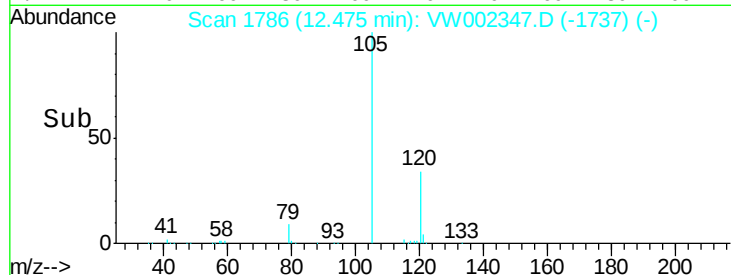
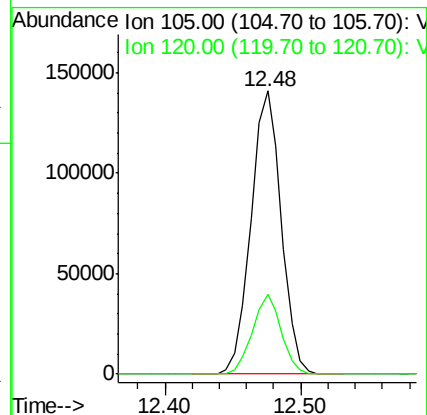
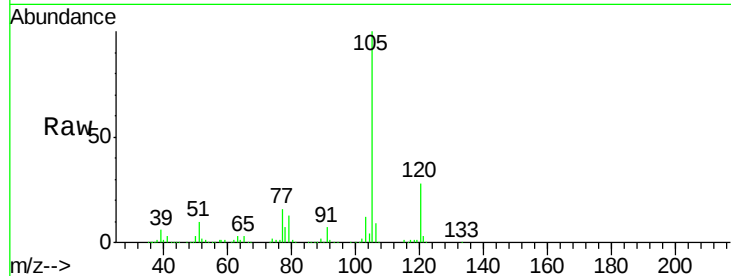
VW0509SBSD01

Tot Ion:105 Resp: 219338

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 20.05 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Tgt Ion: 43 Resp: 56733

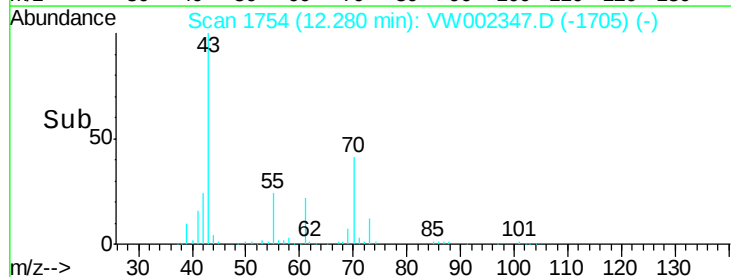
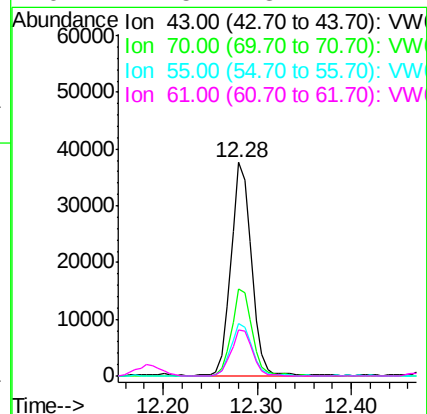
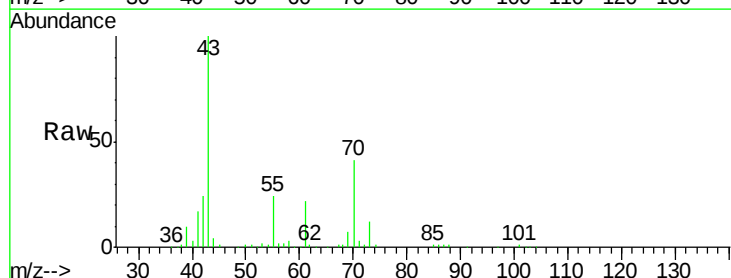
Ion Ratio Lower Upper

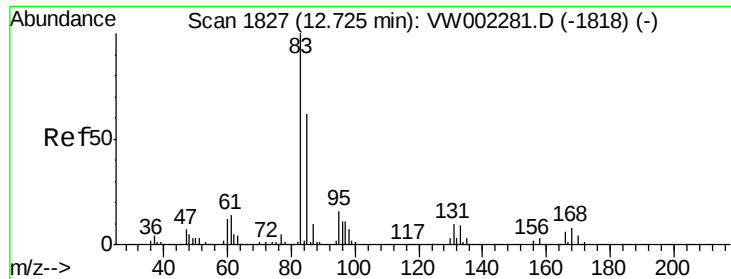
43 100

70 40.7 31.9 47.9

55 25.7 19.9 29.9

61 22.5 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.93 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

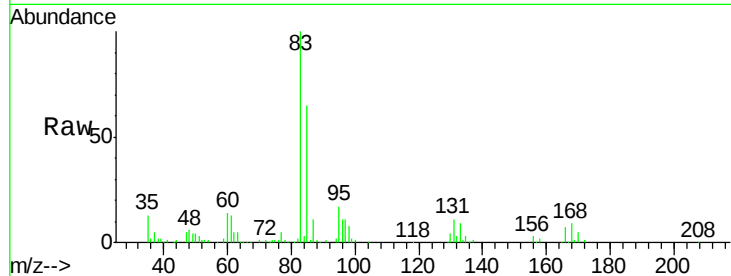
Tot Ion: 83 Resp: 43568

Ion Ratio Lower Upper

83 100

131 11.9 5.5 16.5

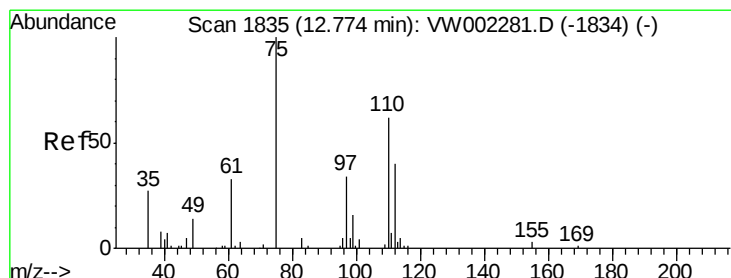
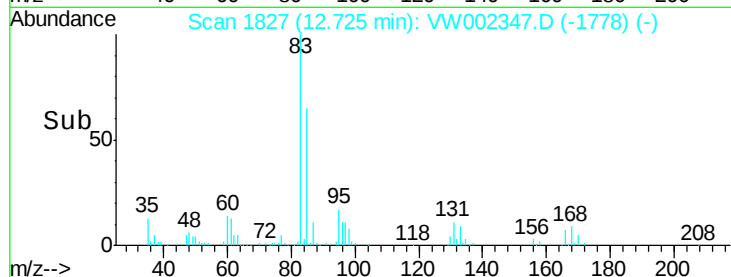
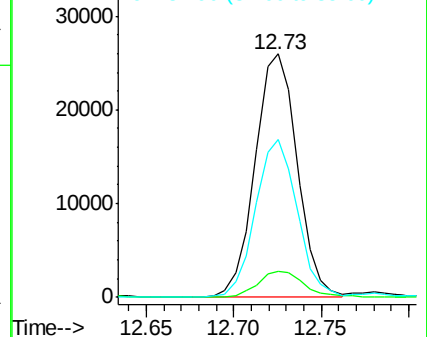
85 64.6 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 21.83 ug/l m

RT: 12.78 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VW002347.D

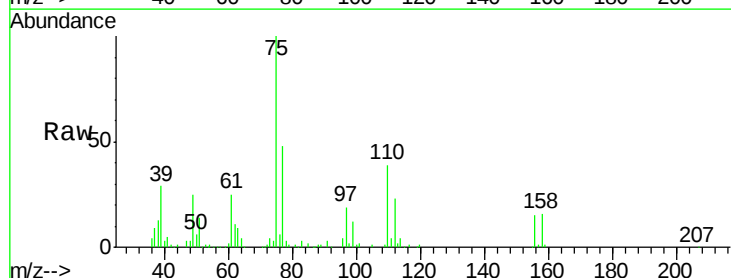
Acq: 10 May 2018 00:30

Tgt Ion: 75 Resp: 33710

Ion Ratio Lower Upper

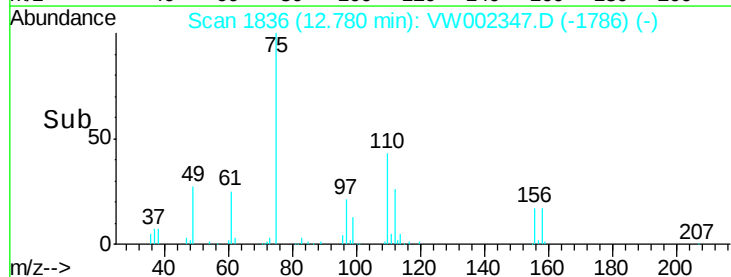
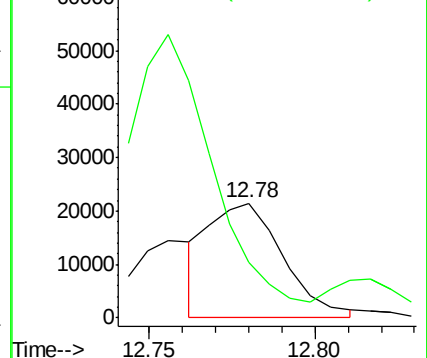
75 100

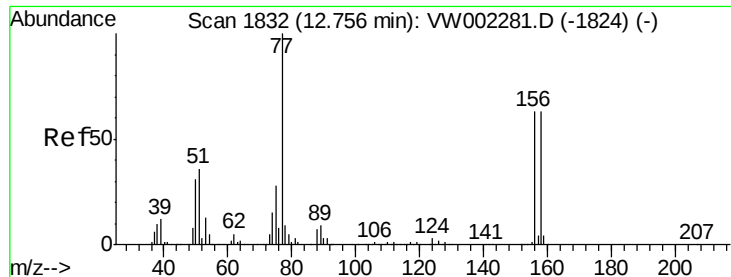
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

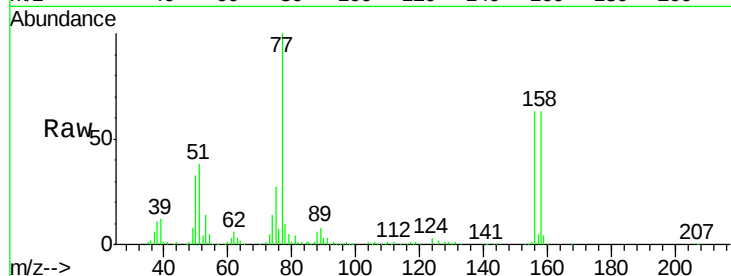
Tot Ion:156 Resp: 56739

Ion Ratio Lower Upper

156 100

77 174.2 87.7 263.1

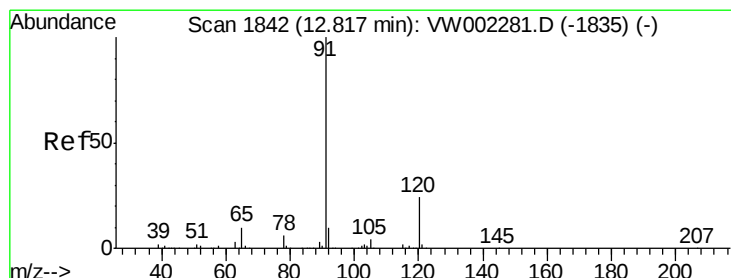
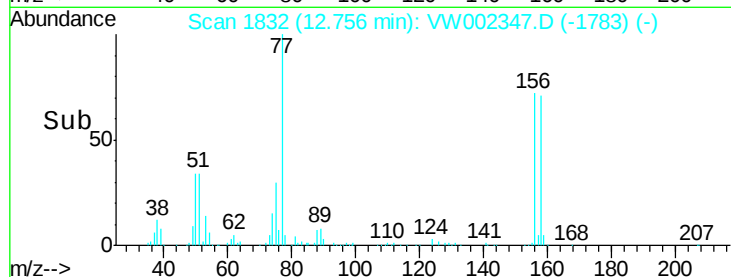
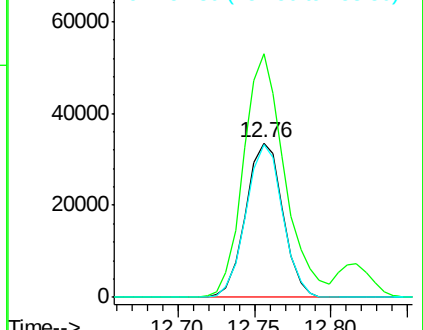
158 97.7 48.6 145.8



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: 19.94 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VW002347.D

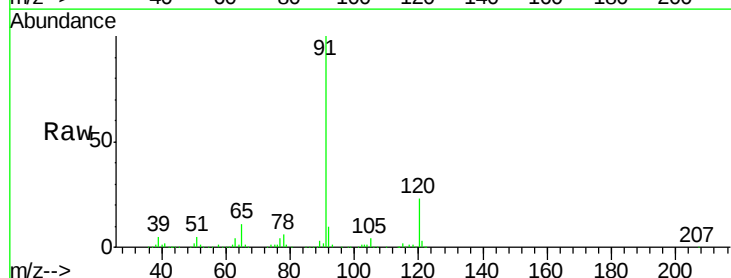
Acq: 10 May 2018 00:30

Tgt Ion: 91 Resp: 267253

Ion Ratio Lower Upper

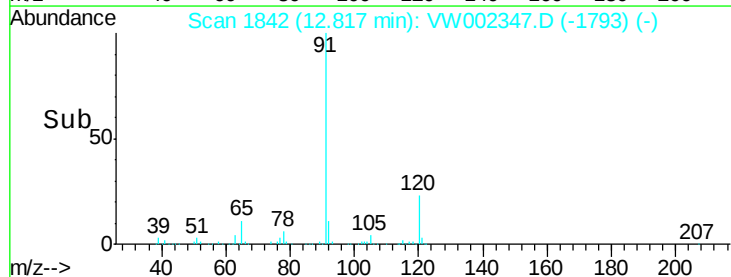
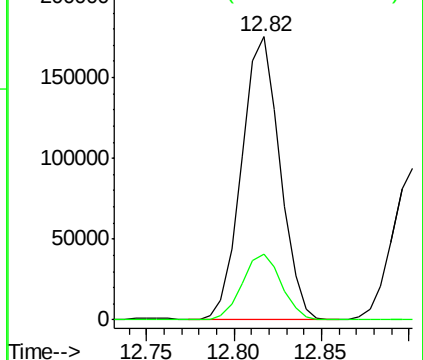
91 100

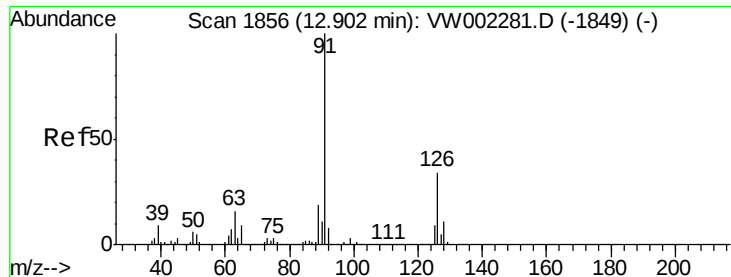
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.47 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

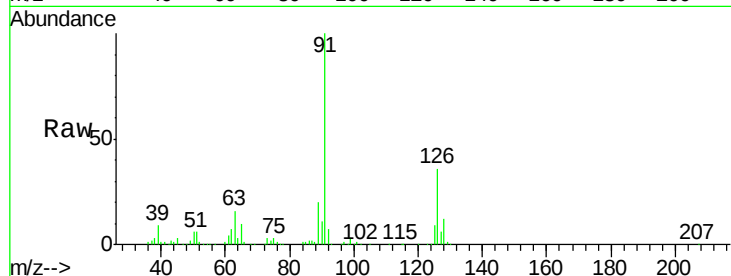
VW0509SBSD01

Tot Ion: 91 Resp: 150301

Ion Ratio Lower Upper

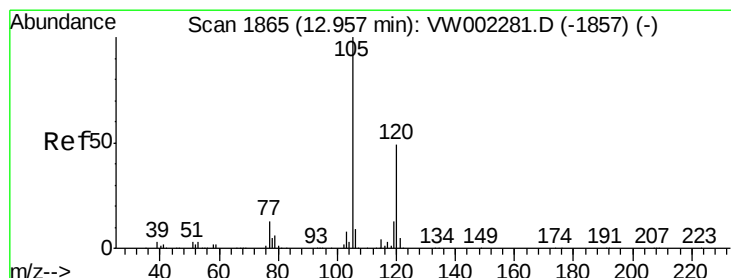
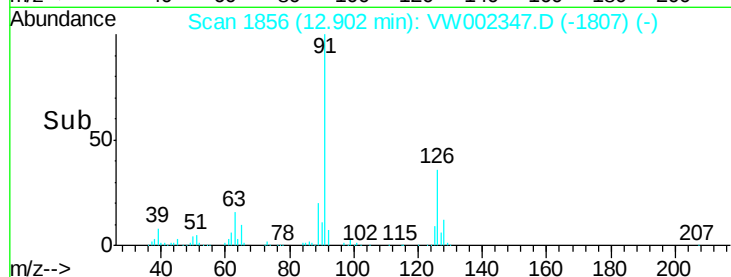
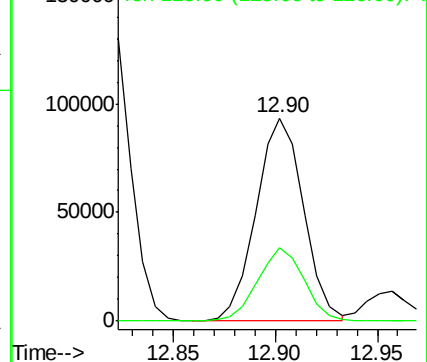
91 100

126 35.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.85 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VW002347.D

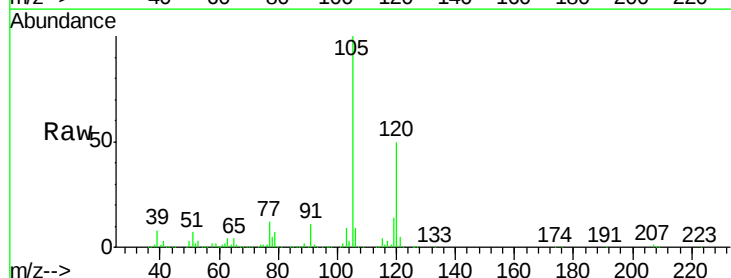
Acq: 10 May 2018 00:30

Tgt Ion:105 Resp: 188853

Ion Ratio Lower Upper

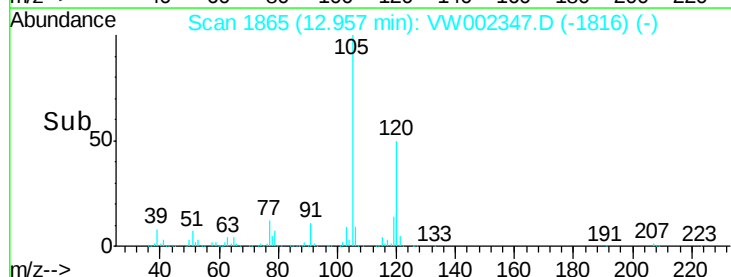
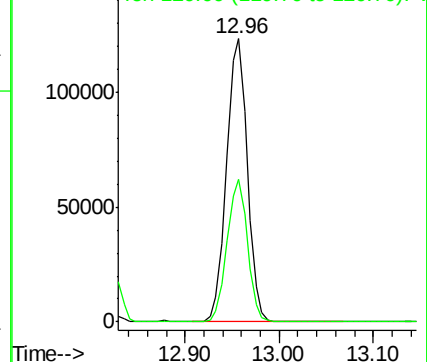
105 100

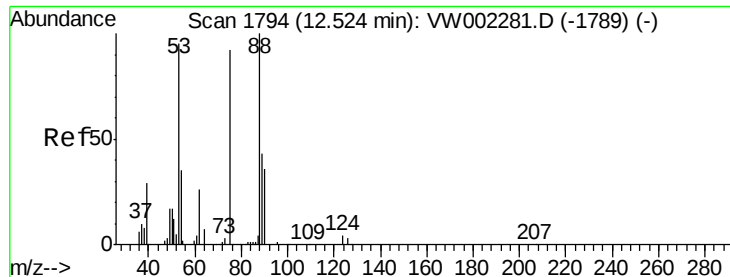
120 49.3 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.98 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

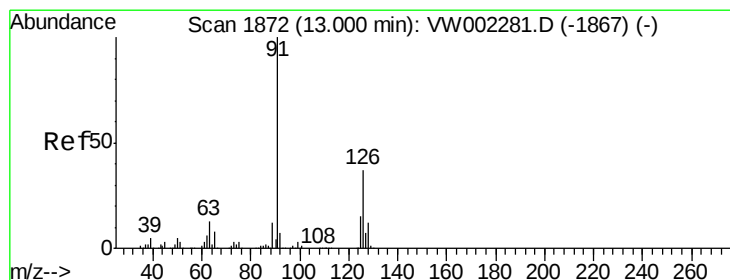
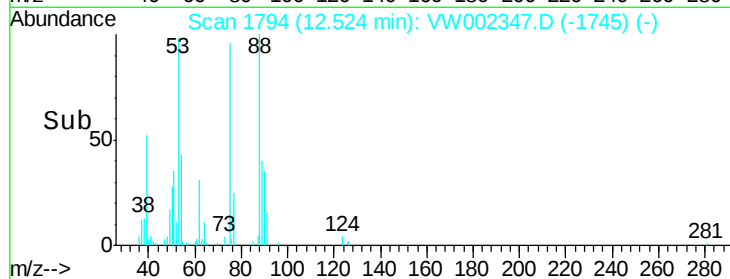
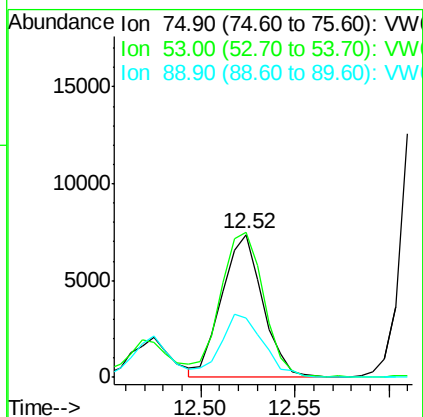
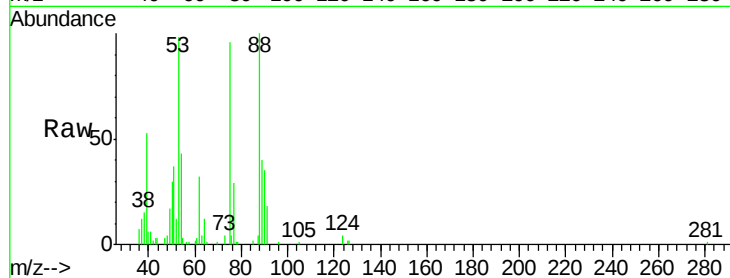
Tot Ion: 75 Resp: 11122

Ion Ratio Lower Upper

75 100

53 107.4 79.9 119.9

89 46.5 37.6 56.4



#82

4-Chlorotoluene

Concen: 19.84 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW002347.D

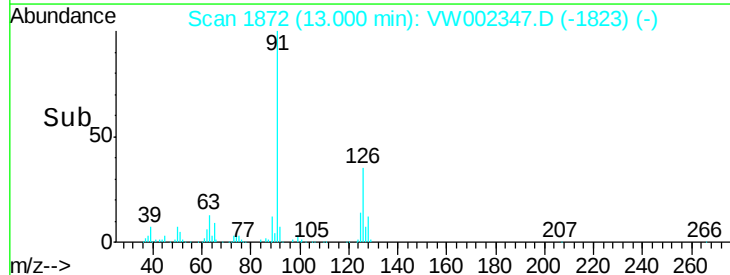
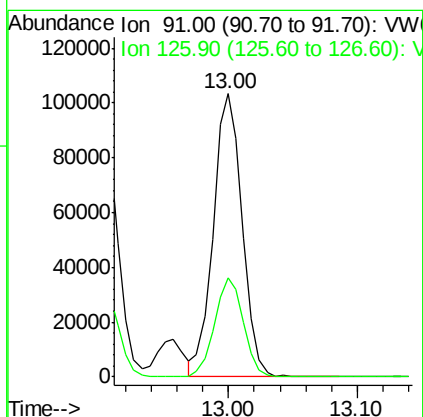
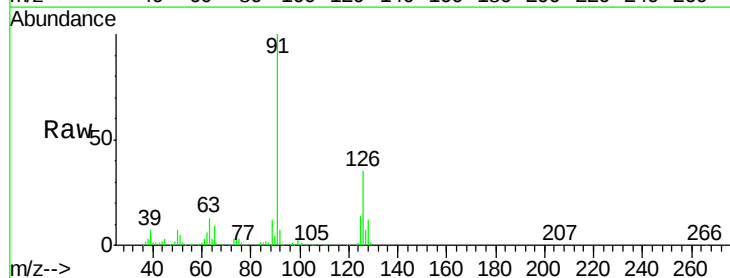
Acq: 10 May 2018 00:30

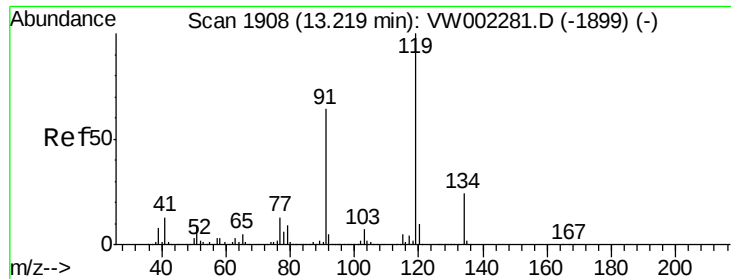
Tgt Ion: 91 Resp: 162903

Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3

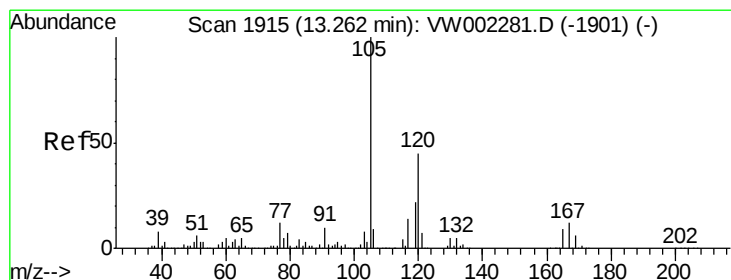
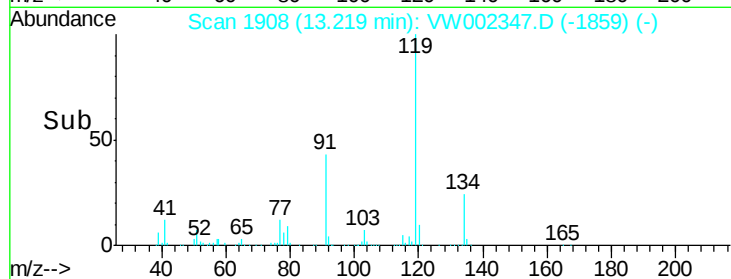
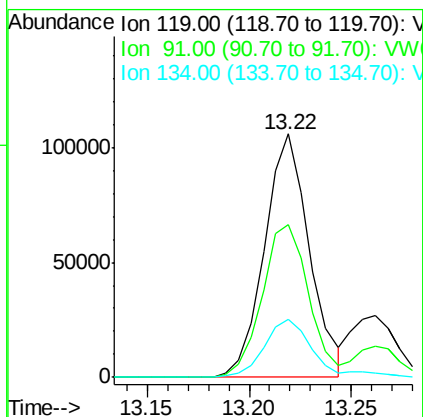
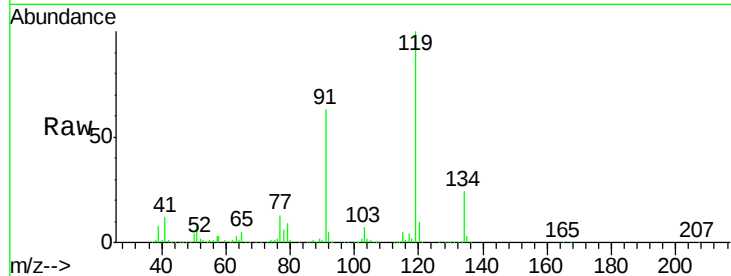




#83
tert-Butylbenzene
Concen: 19.81 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

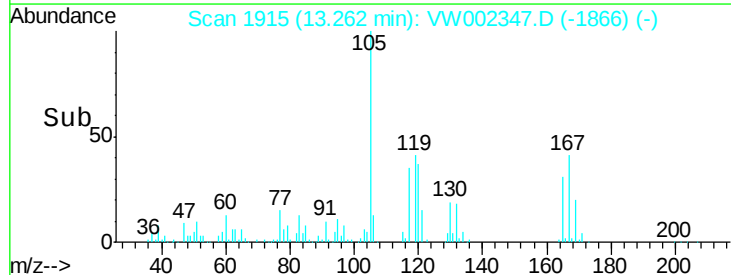
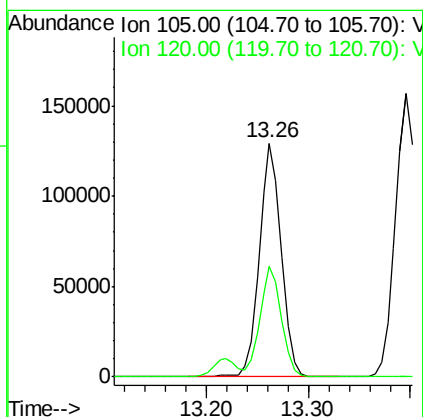
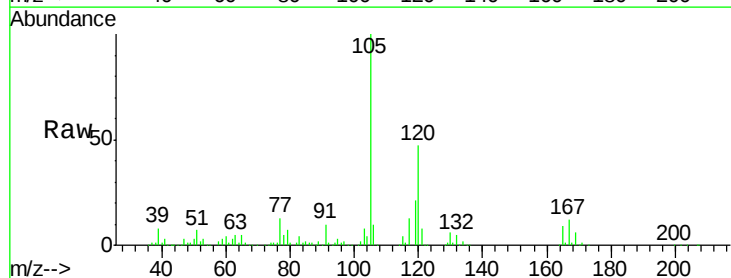
Instrument :
MSVOA_W
ClientSampleId :
VW0509SBS01

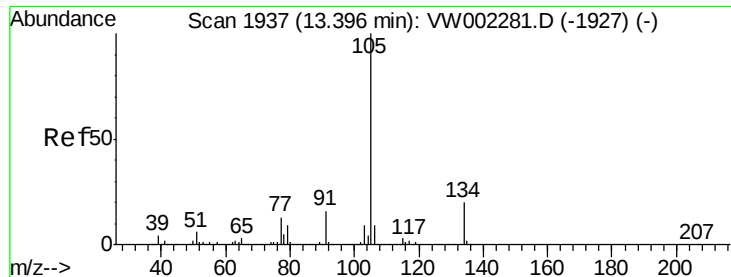
Tot Ion:119 Resp: 162273
Ion Ratio Lower Upper
119 100
91 65.0 31.6 94.8
134 26.4 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 19.69 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion:105 Resp: 194167
Ion Ratio Lower Upper
105 100
120 45.9 22.5 67.5

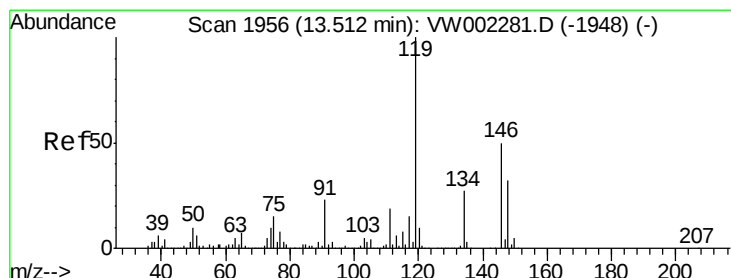
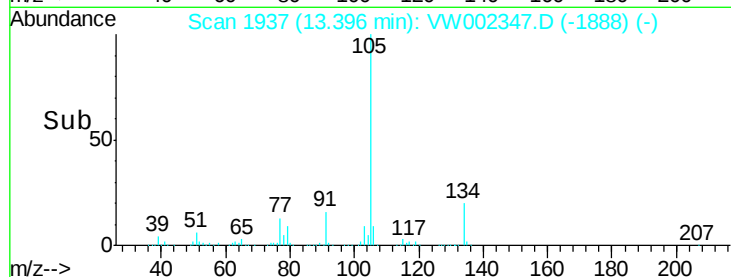
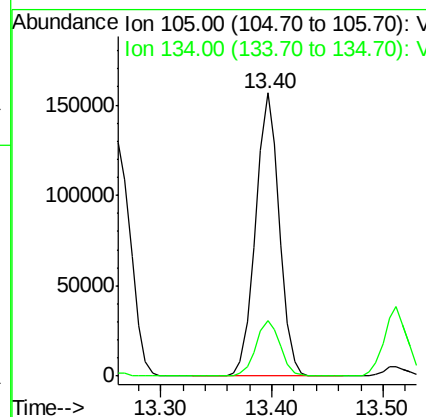
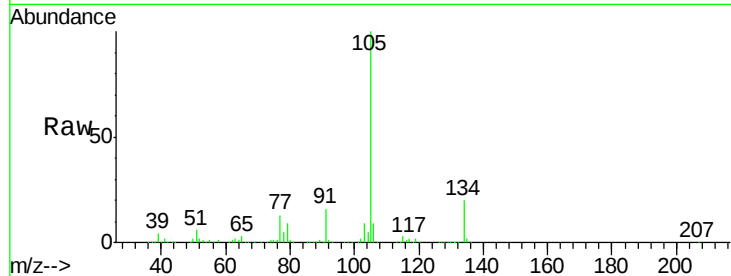




#85
 sec-Butylbenzene
 Concen: 19.85 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

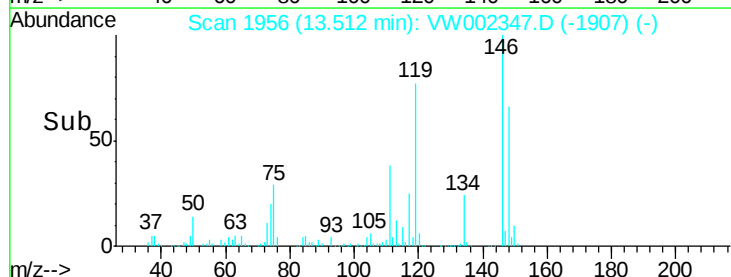
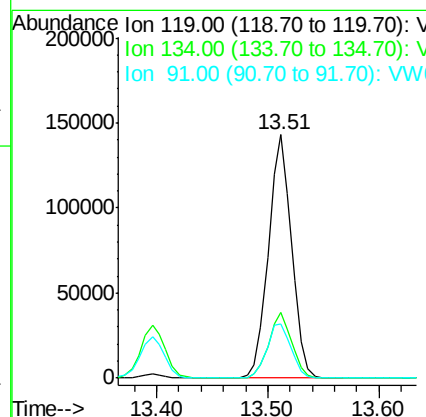
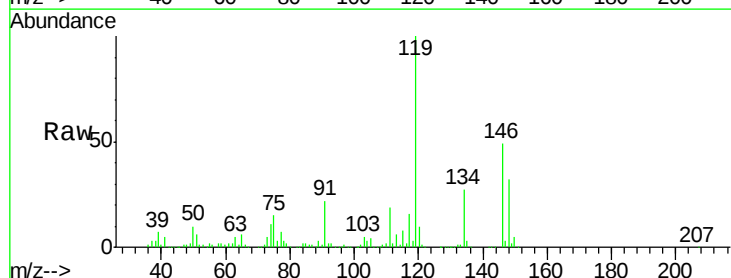
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

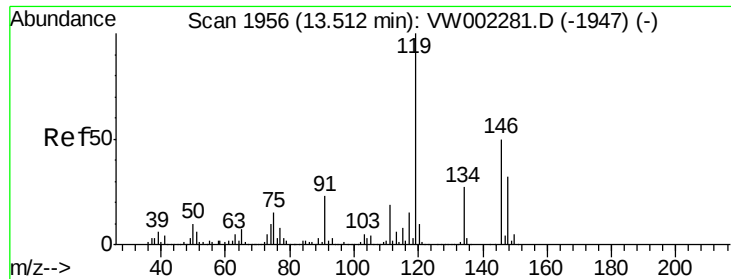
Tot Ion:105 Resp: 232131
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 19.91 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion:119 Resp: 208189
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.9
 91 23.5 11.8 35.3

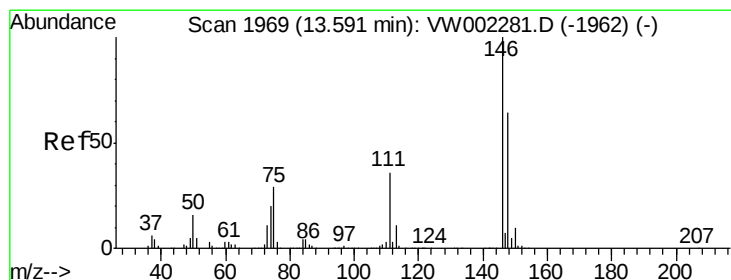
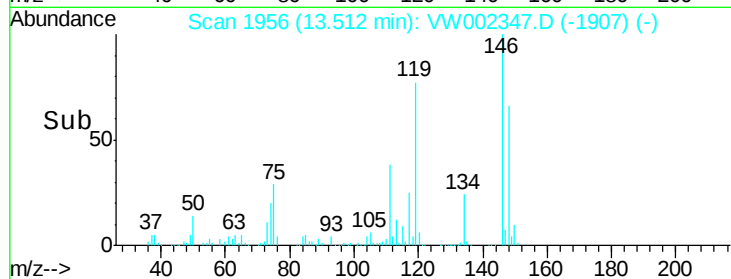
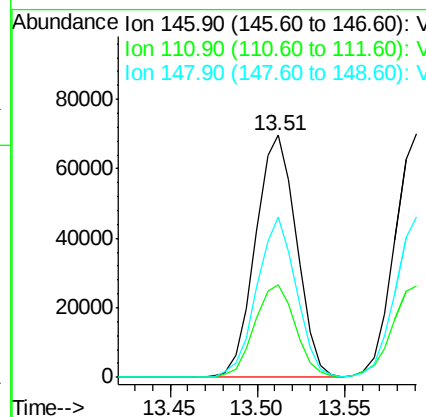
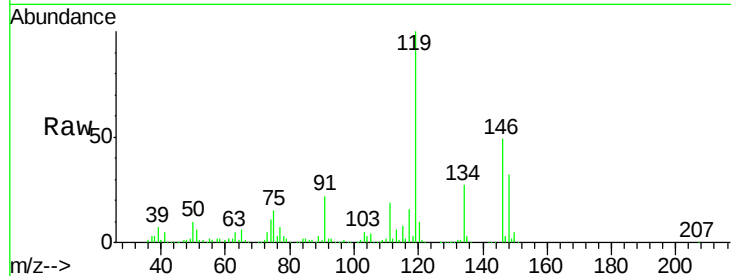




#87
 1,3-Dichlorobenzene
 Concen: 20.07 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

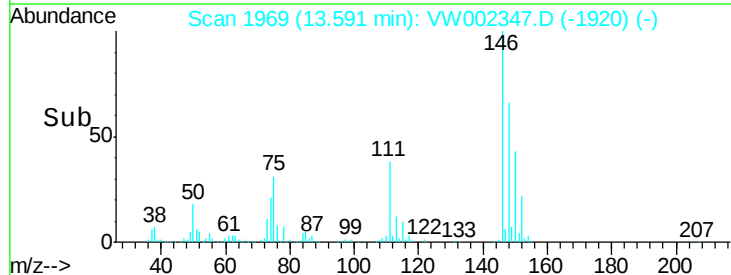
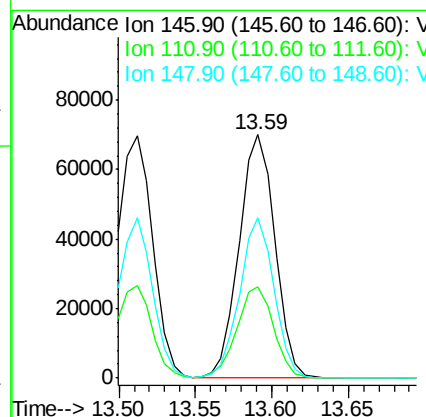
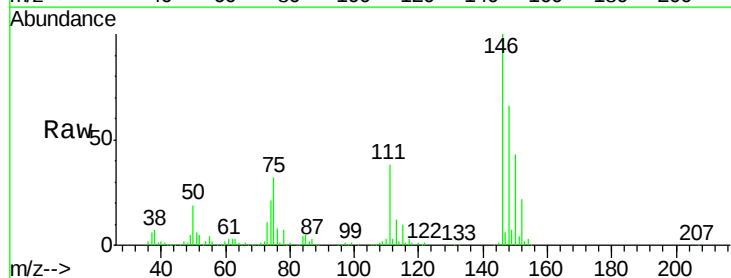
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

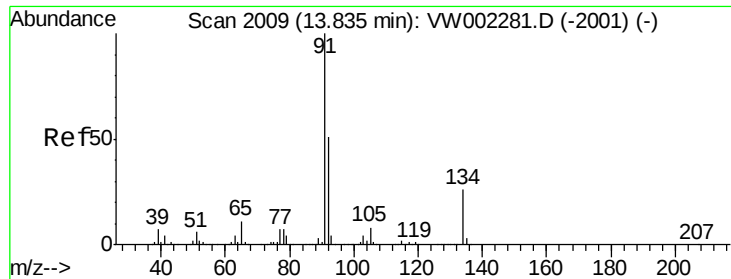
Tot Ion:146 Resp: 113260
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.3 57.8
 148 63.6 31.6 95.0



#88
 1,4-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion:146 Resp: 113739
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 63.5 32.3 96.9

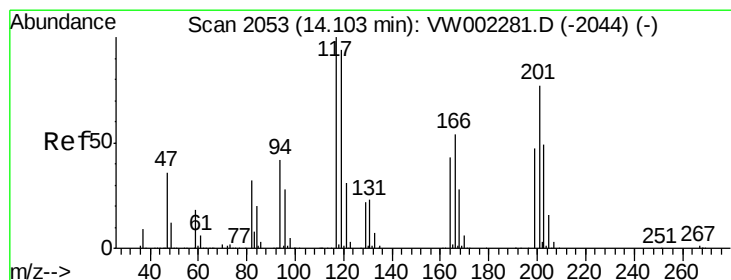
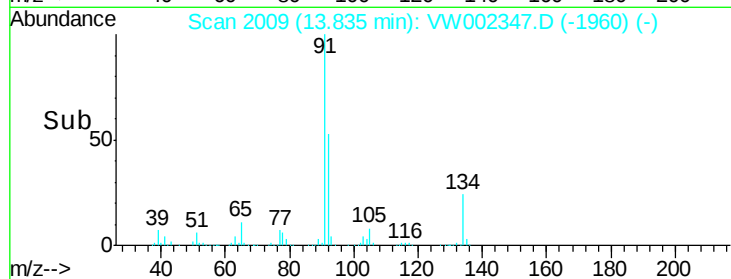
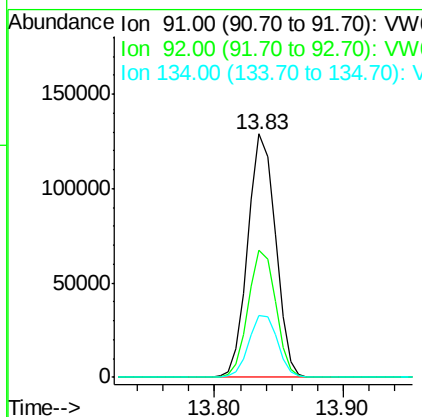
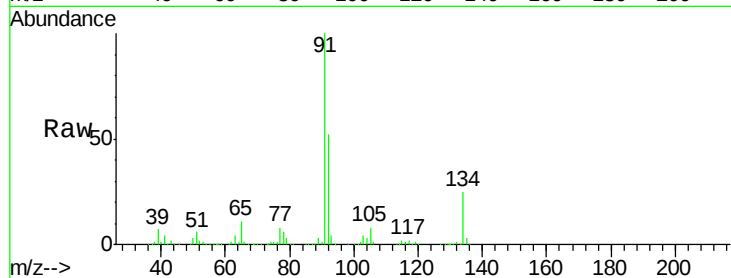




#89
n-Butylbenzene
Concen: 19.57 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

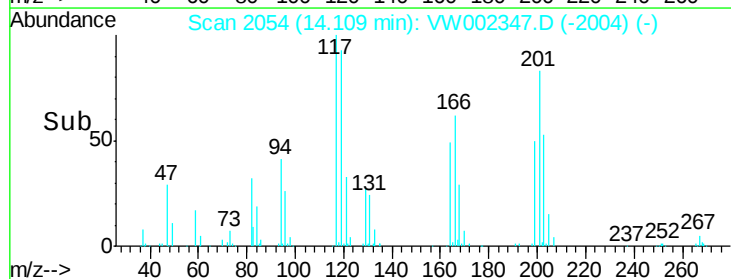
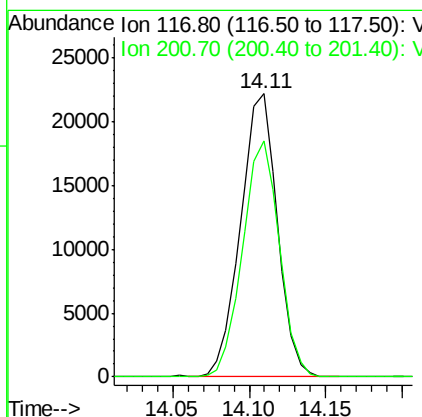
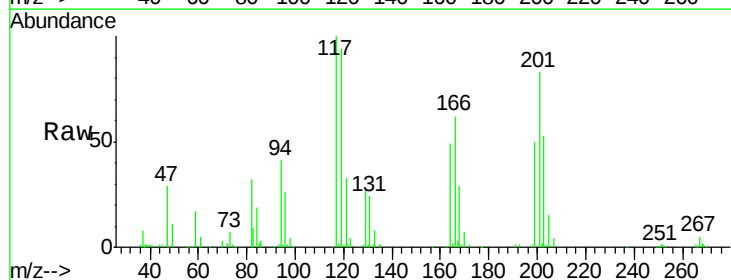
Instrument :
MSVOA_W
ClientSampled :
VW0509SBSD01

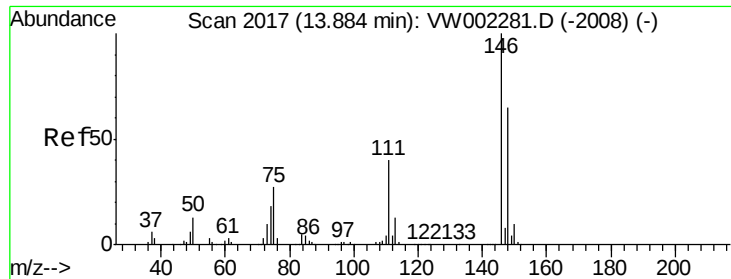
Tot Ion: 91 Resp: 191468
Ion Ratio Lower Upper
91 100
92 52.0 25.9 77.8
134 26.1 13.1 39.1



#90
Hexachloroethane
Concen: 19.85 ug/l
RT: 14.11 min Scan# 2054
Delta R.T. 0.01 min
Lab File: VW002347.D
Acq: 10 May 2018 00:30

Tgt Ion: 117 Resp: 37108
Ion Ratio Lower Upper
117 100
201 83.1 42.2 126.6





#91

1,2-Dichlorobenzene

Concen: 20.08 ug/l

RT: 13.88 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

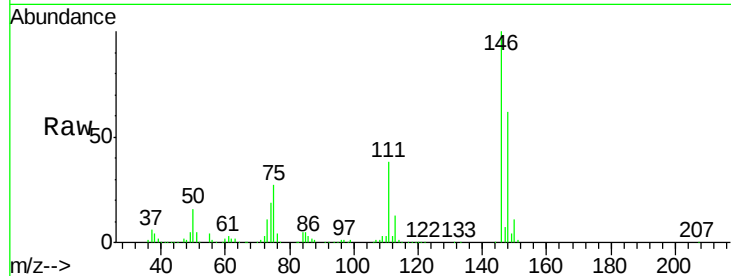
Tot Ion:146 Resp: 102783

Ion Ratio Lower Upper

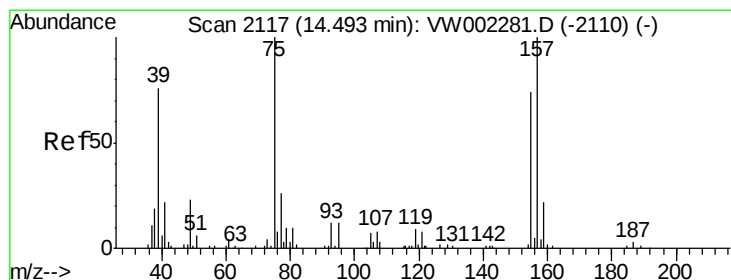
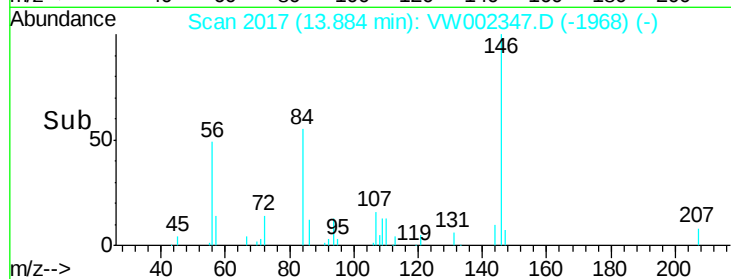
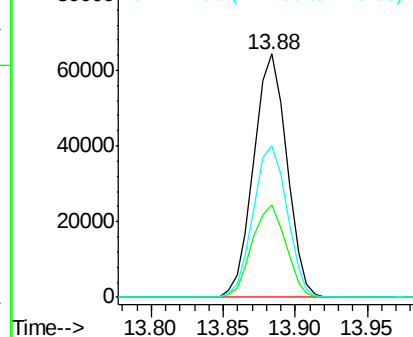
146 100

111 38.9 20.0 59.9

148 63.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.75 ug/l

RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

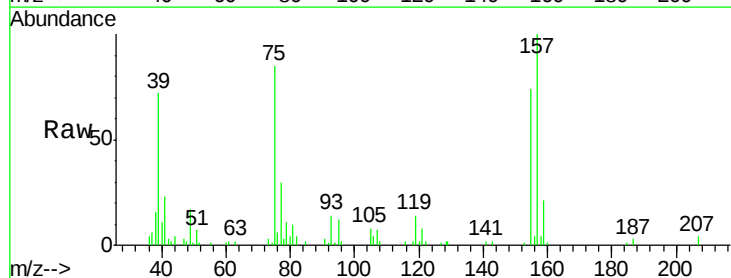
Tgt Ion: 75 Resp: 7840

Ion Ratio Lower Upper

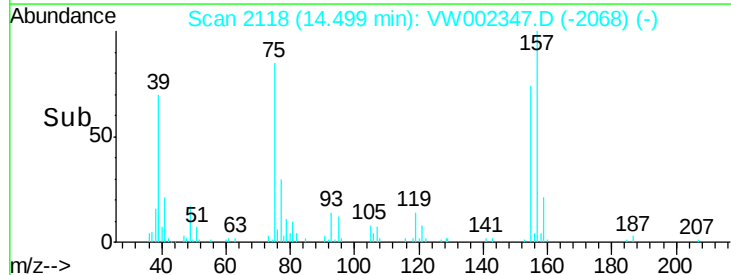
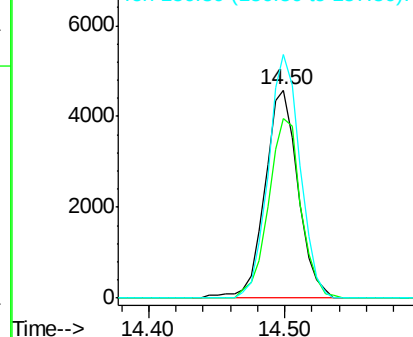
75 100

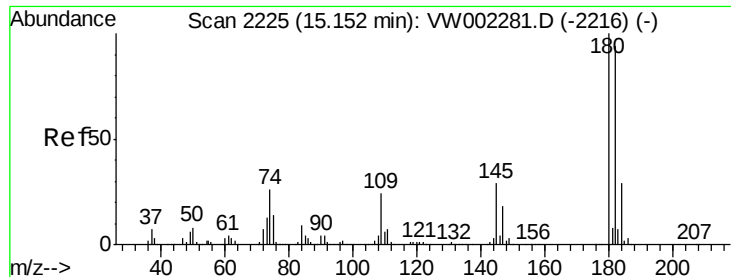
155 84.0 43.3 129.8

157 111.6 55.8 167.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

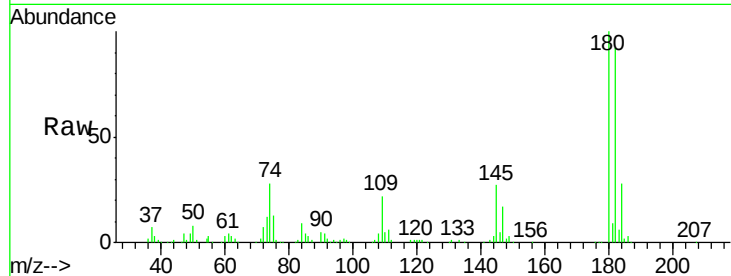




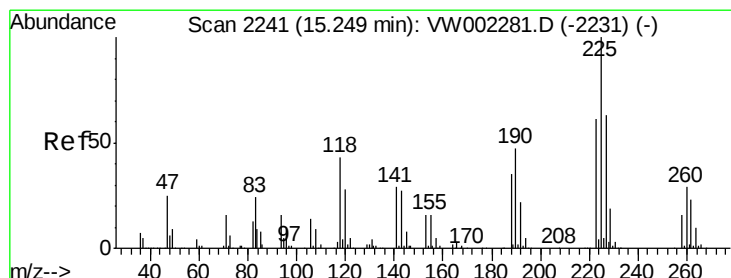
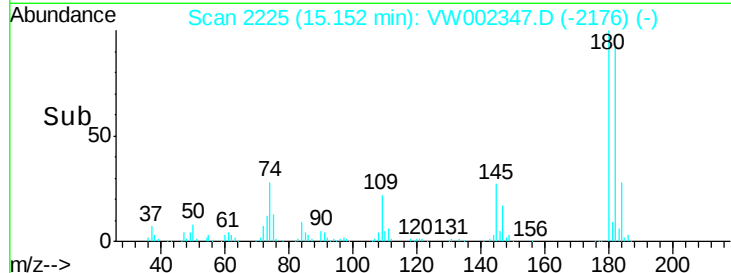
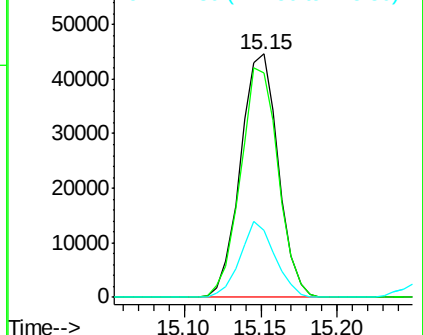
#93
 1,2,4-Trichlorobenzene
 Concen: 20.83 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBSD01

Tot Ion:180 Resp: 76222
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 141.8
 145 29.0 14.5 43.6

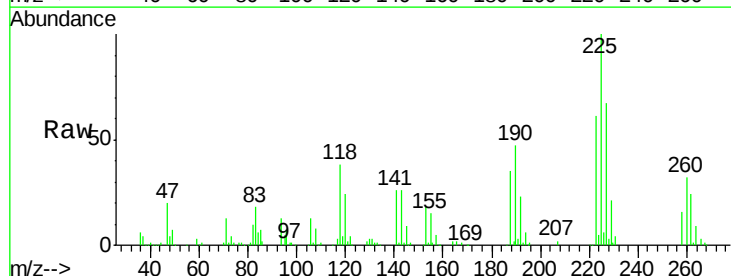


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

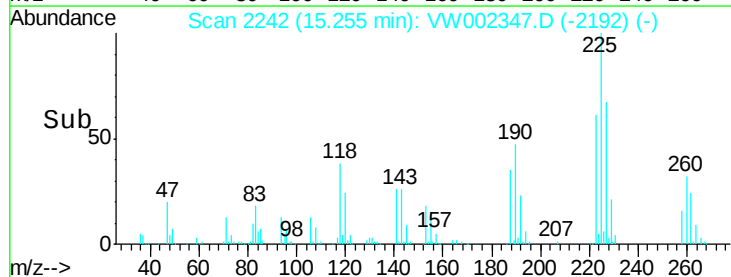
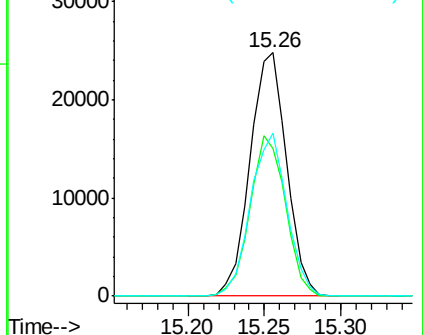


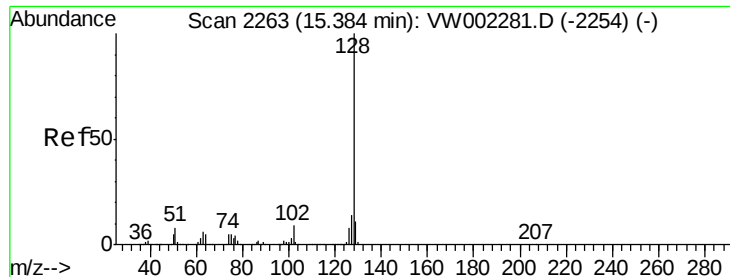
#94
 Hexachlorobutadiene
 Concen: 20.27 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: VW002347.D
 Acq: 10 May 2018 00:30

Tgt Ion:225 Resp: 41318
 Ion Ratio Lower Upper
 225 100
 223 64.0 30.9 92.7
 227 66.4 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.29 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

Instrument :

MSVOA_W

ClientSampleId :

VW0509SBSD01

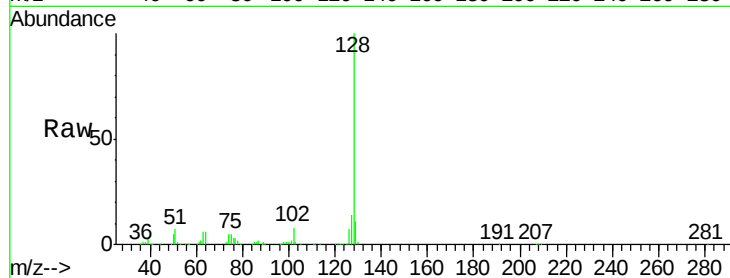
Tot Ion:128 Resp: 143231

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

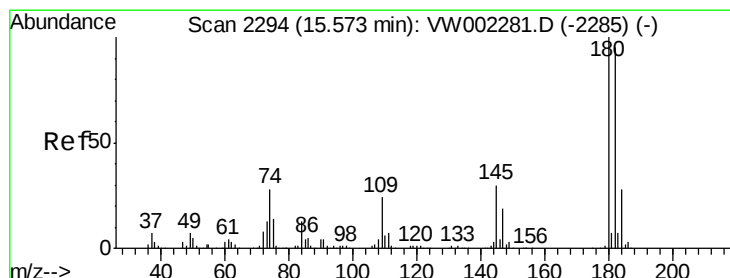
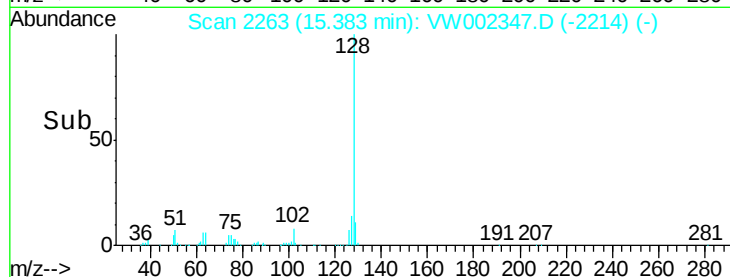
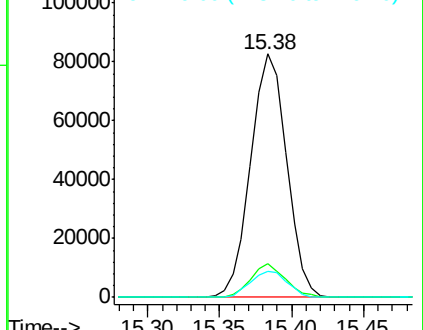
129 11.1 8.7 13.1



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: 20.67 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002347.D

Acq: 10 May 2018 00:30

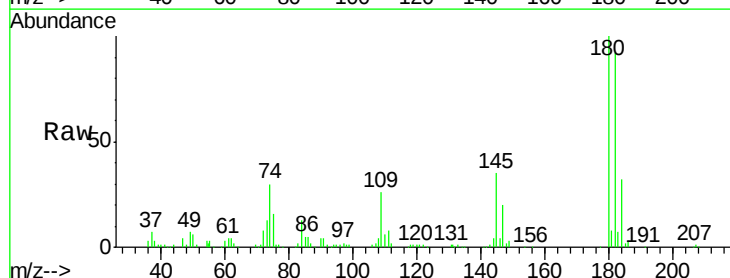
Tgt Ion:180 Resp: 67827

Ion Ratio Lower Upper

180 100

182 97.1 48.0 144.0

145 32.0 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

