

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008064.D
 Acq On : 07 Jan 2019 12:50
 Operator : SY/AP
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Quant Time: Jan 08 03:42:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	120202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96734	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	46565	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	43373	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
35) Dibromofluoromethane	7.88	113	39118	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	10.32	98	152477	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
62) 4-Bromofluorobenzene	12.62	95	51420	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	12967	18.839	ug/l	100
3) Chloromethane	2.21	50	9871	19.331	ug/l	94
4) Vinyl Chloride	2.37	62	14106	21.389	ug/l	97
5) Bromomethane	2.78	94	8349	19.926	ug/l	97
6) Chloroethane	2.93	64	6808	20.197	ug/l	100
7) Trichlorofluoromethane	3.26	101	13356	20.175	ug/l	95
8) Diethyl Ether	3.68	74	7032	20.681	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15896	20.205	ug/l	99
10) Methyl Iodide	4.26	142	24240	19.152	ug/l	99
11) Tert butyl alcohol	5.11	59	166	3.080	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	15032	19.961	ug/l	90
13) Acrolein	3.90	56	2944	80.617	ug/l	95
14) Allyl chloride	4.67	41	20959	20.544	ug/l	99
15) Acrylonitrile	5.37	53	12514	100.062	ug/l	99
16) Acetone	4.14	43	13463	104.835	ug/l	95
17) Carbon Disulfide	4.37	76	44370	19.289	ug/l	98
18) Methyl Acetate	4.67	43	6534	19.619	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23813	20.094	ug/l	98
20) Methylene Chloride	4.90	84	15421	17.948	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16058	19.599	ug/l	95
22) Diisopropyl ether	6.31	45	38224	20.874	ug/l	97
23) Vinyl Acetate	6.26	43	105558	103.030	ug/l	99
24) 1,1-Dichloroethane	6.21	63	26875	19.753	ug/l	99
25) 2-Butanone	7.18	43	15535	102.672	ug/l	96
26) 2,2-Dichloropropane	7.17	77	23137	20.641	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	17600	20.166	ug/l	96
28) Bromochloromethane	7.51	49	8112	18.550	ug/l #	98
29) Tetrahydrofuran	7.53	42	8923	94.941	ug/l	98
30) Chloroform	7.68	83	29871	19.590	ug/l	100
31) Cyclohexane	7.95	56	25736	20.295	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	29059	19.916	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23662	19.955	ug/l	99
37) Ethyl Acetate	7.26	43	7104	19.945	ug/l	98
38) Carbon Tetrachloride	8.06	117	27321	19.226	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	28838	19.511	ug/l	98
40) Benzene	8.32	78	60918	19.474	ug/l	100
41) Methacrylonitrile	7.49	41	4567	21.808	ug/l	96
42) 1,2-Dichloroethane	8.40	62	19789	18.987	ug/l	97
43) Isopropyl Acetate	8.43	43	14232	19.998	ug/l	99
44) Trichloroethene	9.09	130	18219	19.737	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13356	19.726	ug/l	96
46) Dibromomethane	9.46	93	7629	19.272	ug/l	96
47) Bromodichloromethane	9.64	83	21216	19.135	ug/l	97
48) Methyl methacrylate	9.43	41	7546	21.030	ug/l	91
49) 1,4-Dioxane	9.47	88	1989	339.522	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	33306	101.105	ug/l	97
52) Toluene	10.39	92	41408	20.051	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21052	19.745	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	23668	19.894	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	10460	19.516	ug/l	95
56) Ethyl methacrylate	10.65	69	12382	20.435	ug/l	96
57) 1,3-Dichloropropane	10.93	76	17492	19.207	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	29833	103.815	ug/l	100
59) 2-Hexanone	10.98	43	21367	93.955	ug/l	95
60) Dibromochloromethane	11.13	129	13034	17.766	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10302	19.207	ug/l	89
64) Tetrachloroethene	10.87	164	13798	20.649	ug/l	95
65) Chlorobenzene	11.66	112	41925	20.279	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	14956	19.977	ug/l	98
67) Ethyl Benzene	11.73	91	71946	19.606	ug/l	93
68) m/p-Xylenes	11.84	106	59323	41.815	ug/l	94
69) o-Xylene	12.17	106	25756	19.511	ug/l	87
70) Styrene	12.18	104	41745	19.402	ug/l	95
71) Bromoform	12.35	173	6639	19.140	ug/l #	97
73) Isopropylbenzene	12.47	105	75137	20.292	ug/l	99
74) N-amyl acetate	12.27	43	11878	20.608	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10422	22.121	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	14535	39.236	ug/l #	1
77) Bromobenzene	12.75	156	17078	21.459	ug/l	95
78) n-propylbenzene	12.80	91	88726	20.668	ug/l	99
79) 2-Chlorotoluene	12.90	91	51397	20.715	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	66383	20.828	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3054	19.496	ug/l	93
82) 4-Chlorotoluene	12.99	91	56928	21.577	ug/l	95
83) tert-Butylbenzene	13.21	119	58728	21.061	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	67719	20.977	ug/l	97
85) sec-Butylbenzene	13.39	105	75388	19.653	ug/l	96
86) p-Isopropyltoluene	13.51	119	74366	21.493	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	32247	20.081	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33338	20.970	ug/l	98
89) n-Butylbenzene	13.83	91	65984	20.849	ug/l	98
90) Hexachloroethane	14.10	117	12339	20.552	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	29290	20.757	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1902	19.891	ug/l	98

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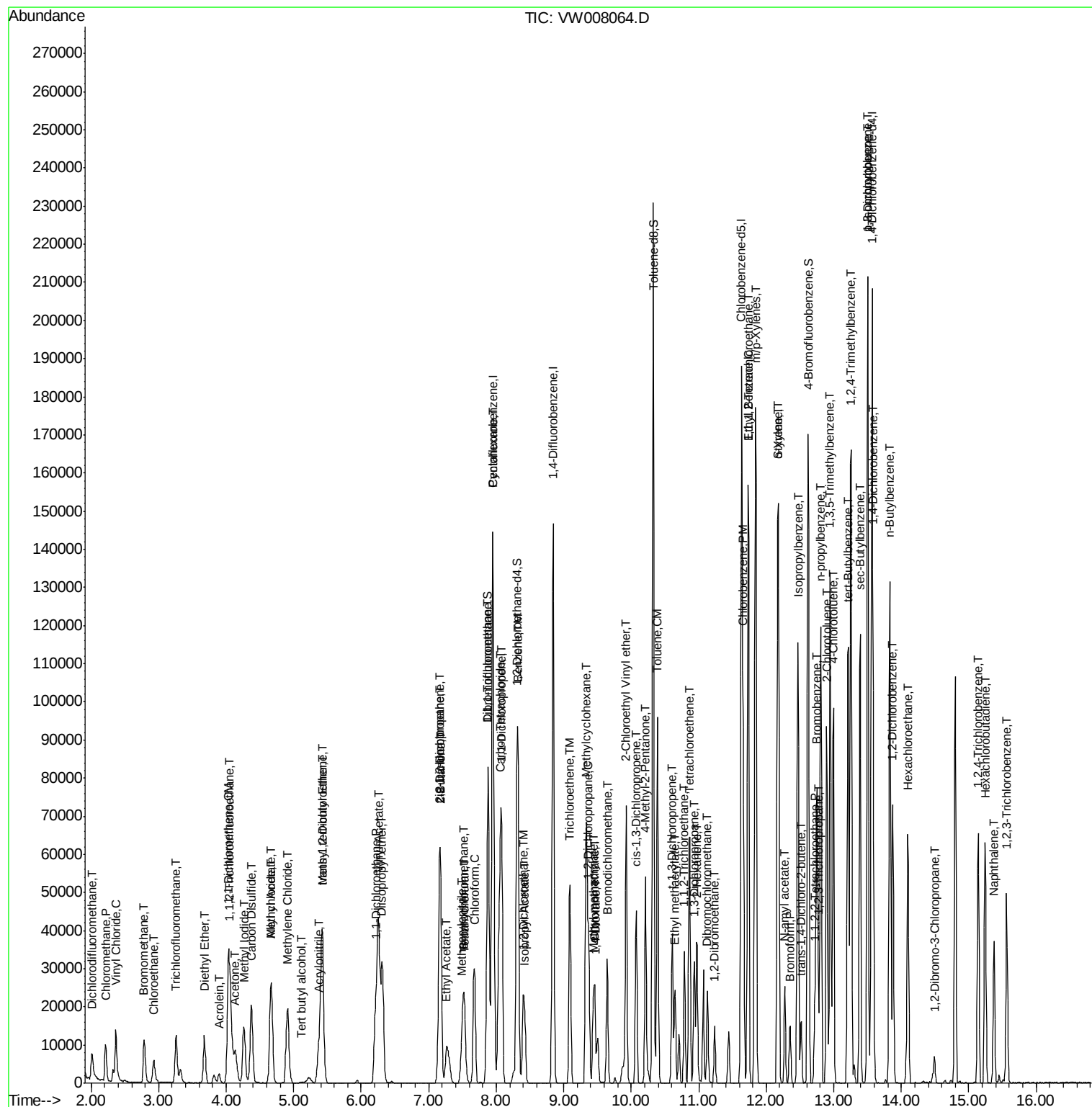
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	19005	19.176	ug/l	96
94) Hexachlorobutadiene	15.24	225	11140	19.467	ug/l	93
95) Naphthalene	15.38	128	33037	19.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16474	20.201	ug/l	96

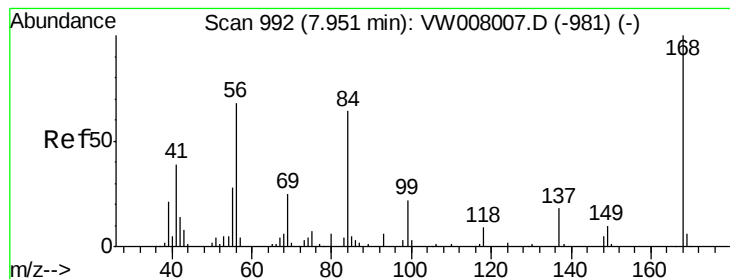
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

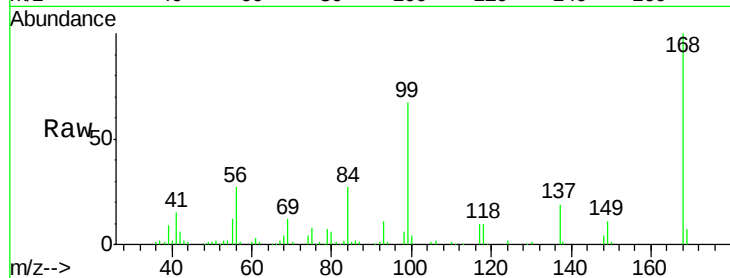
VW0107SBS01

Tot Ion:168 Resp: 75006

Ion Ratio Lower Upper

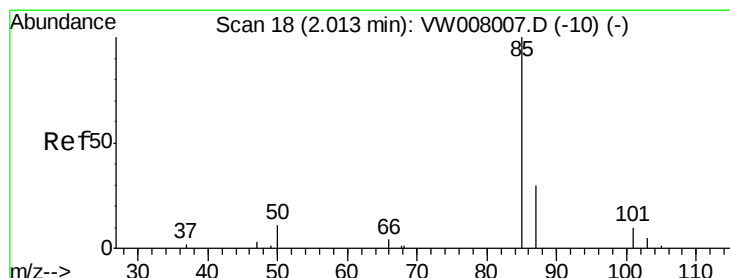
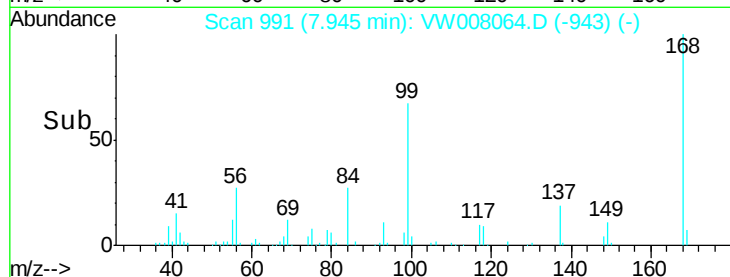
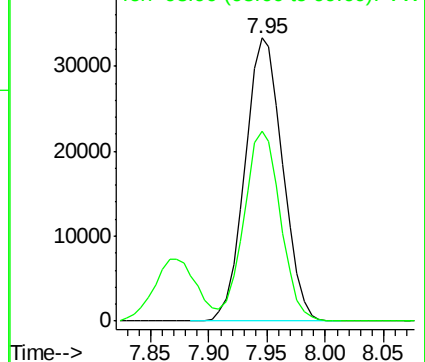
168 100

99 67.2 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.839 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008064.D

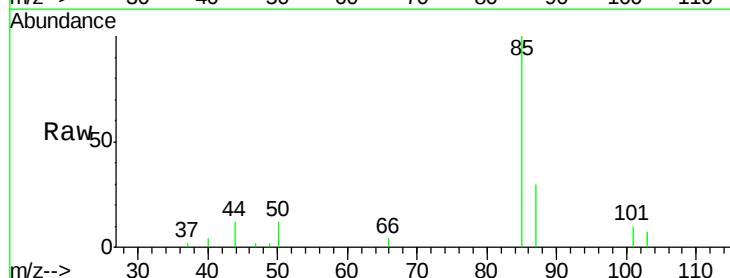
Acq: 07 Jan 2019 12:50

Tgt Ion: 85 Resp: 12967

Ion Ratio Lower Upper

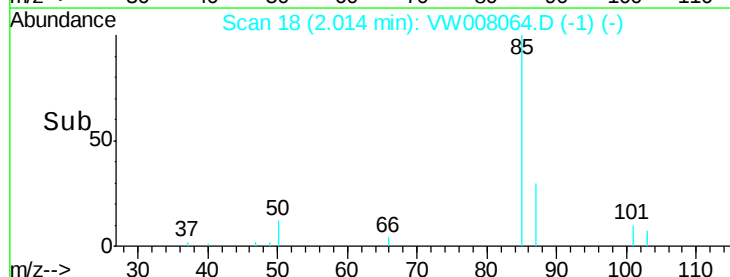
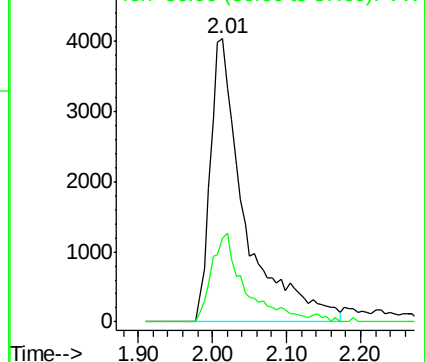
85 100

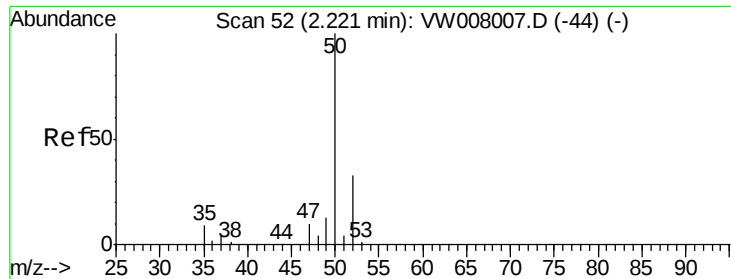
87 29.8 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.331 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

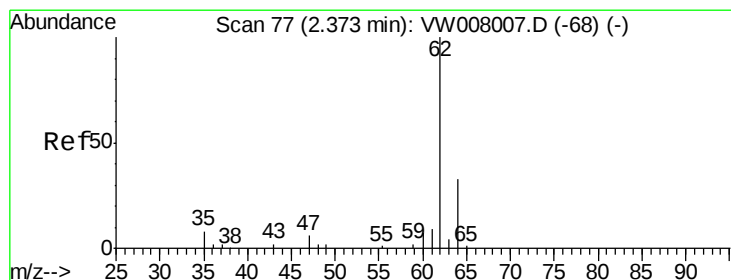
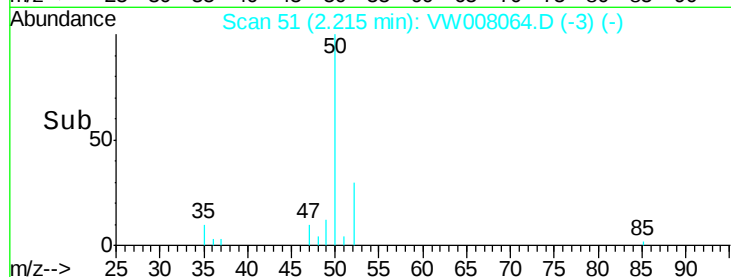
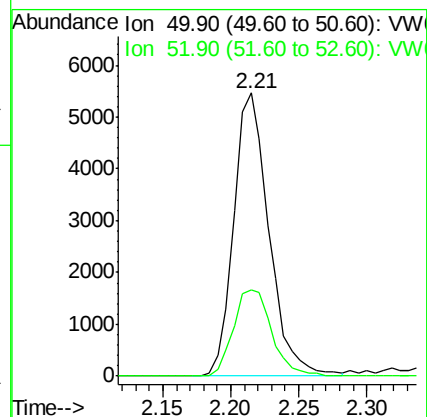
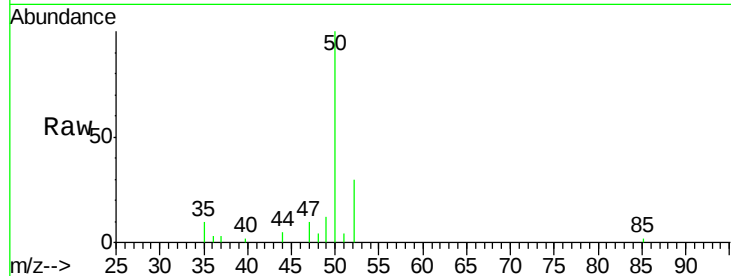
VW0107SBS01

Tot Ion: 50 Resp: 9871

Ion Ratio Lower Upper

50 100

52 30.3 26.8 40.2



#4

Vinyl Chloride

Concen: 21.389 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008064.D

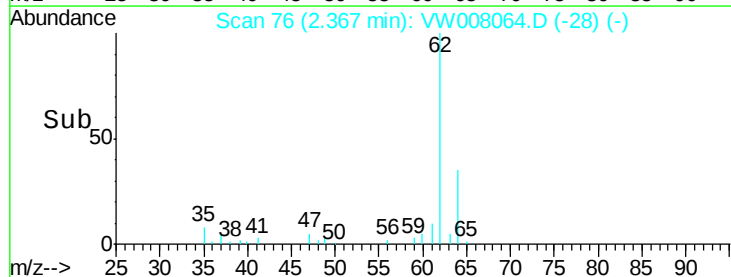
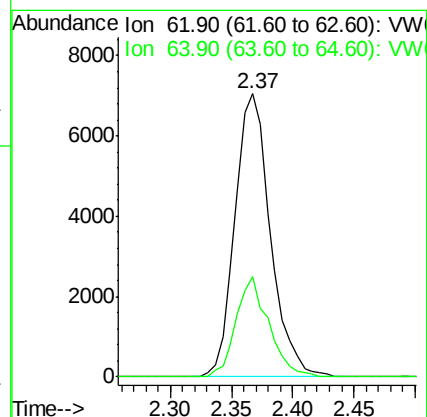
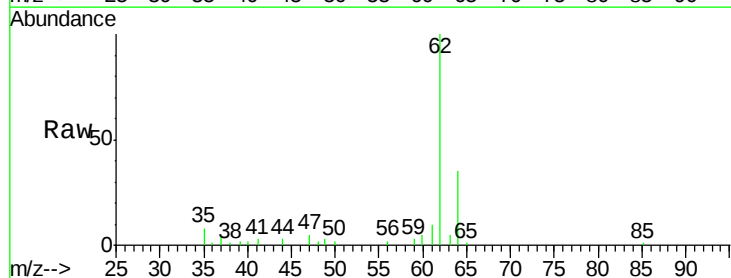
Acq: 07 Jan 2019 12:50

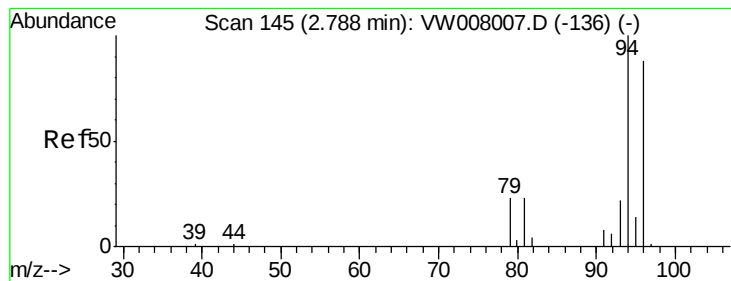
Tgt Ion: 62 Resp: 14106

Ion Ratio Lower Upper

62 100

64 35.3 26.8 40.2





#5

Bromomethane

Concen: 19.926 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

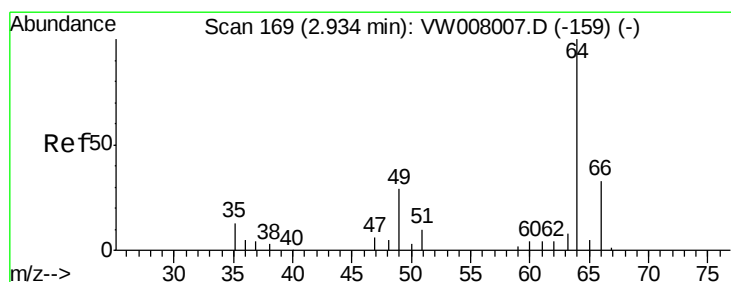
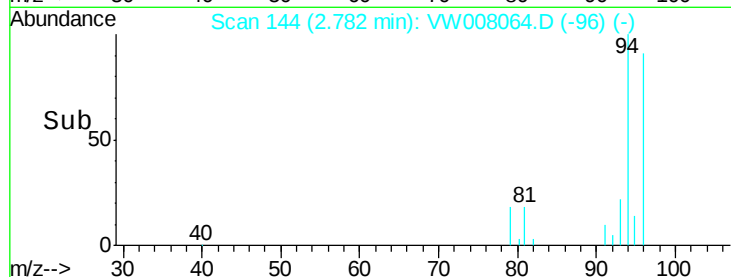
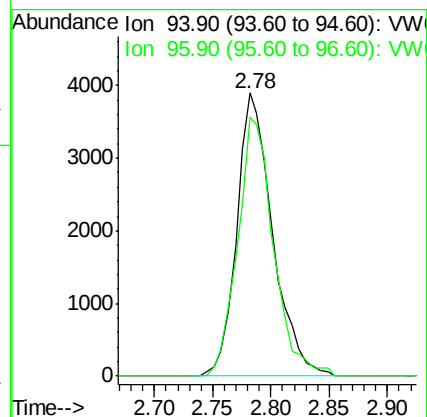
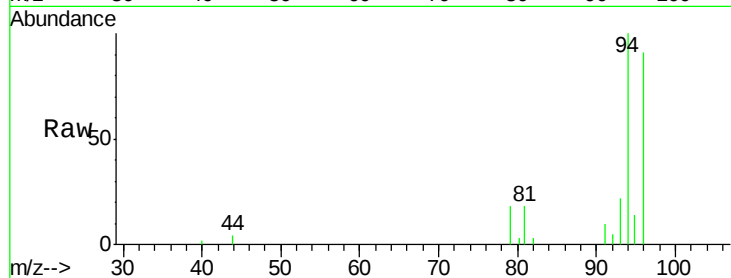
VW0107SBS01

Tot Ion: 94 Resp: 8349

Ion Ratio Lower Upper

94 100

96 91.4 70.7 106.1



#6

Chloroethane

Concen: 20.197 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008064.D

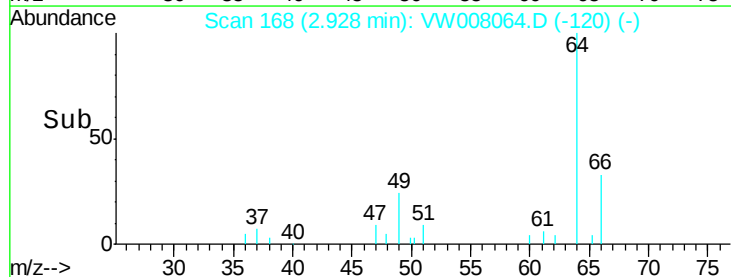
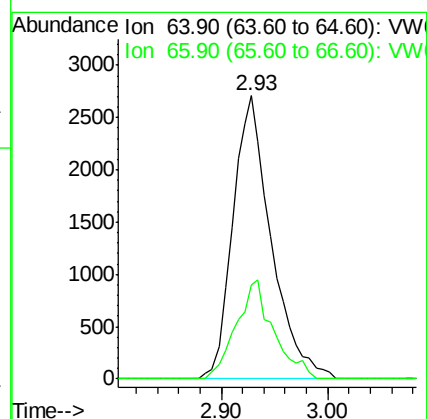
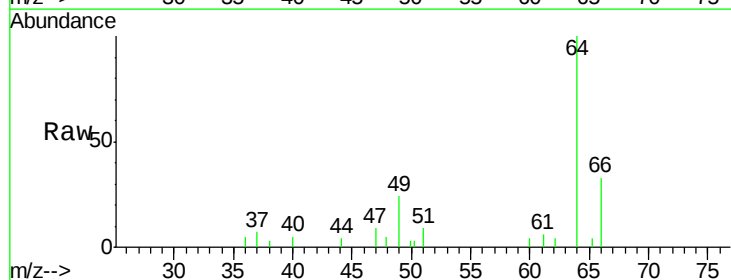
Acq: 07 Jan 2019 12:50

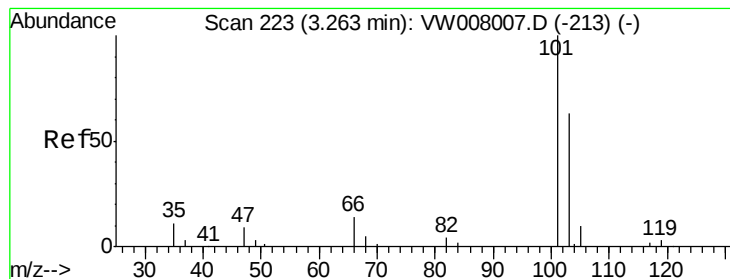
Tgt Ion: 64 Resp: 6808

Ion Ratio Lower Upper

64 100

66 33.3 26.6 39.8



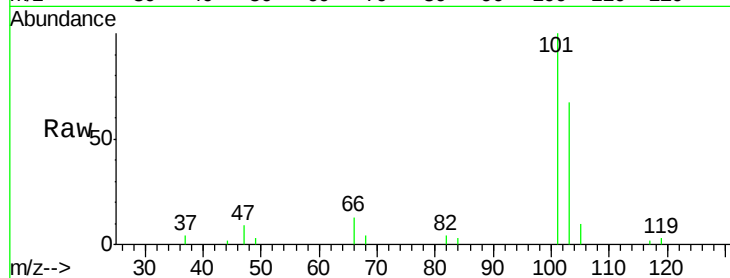


#7

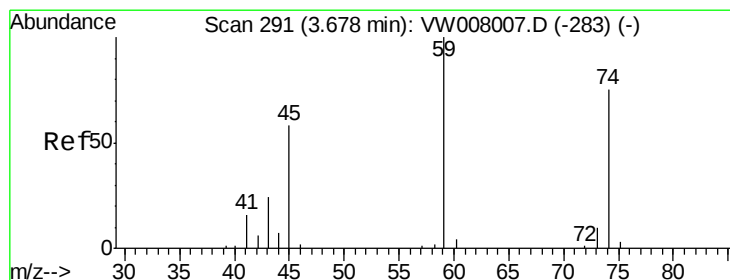
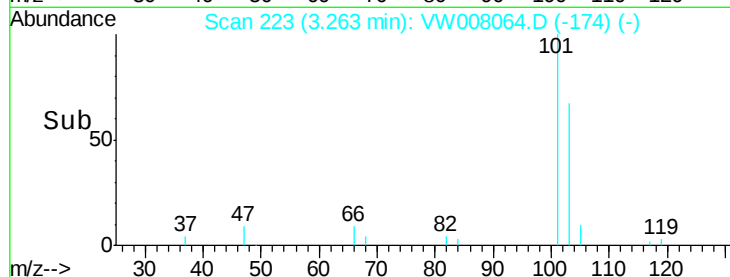
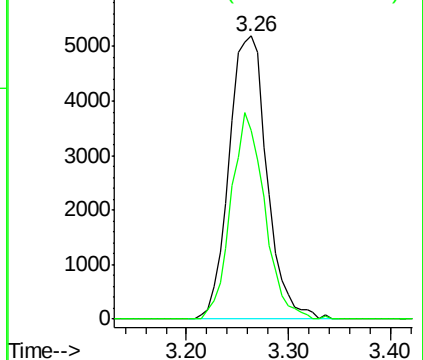
Trichlorofluoromethane
 Concen: 20.175 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
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Tot Ion:101 Resp: 13356
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.5 75.7



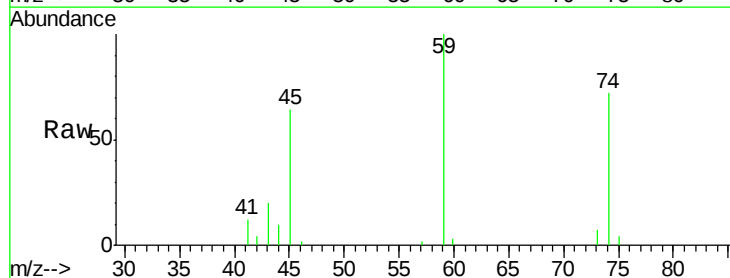
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



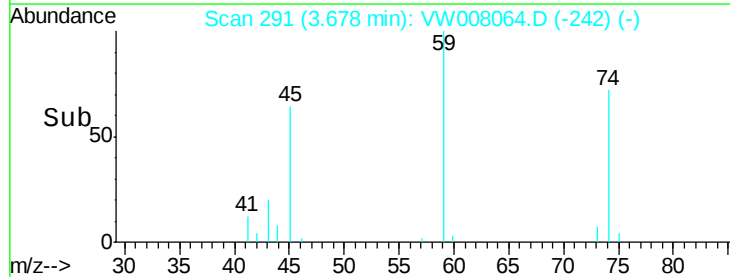
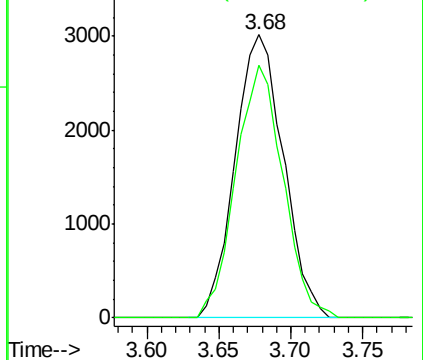
#8

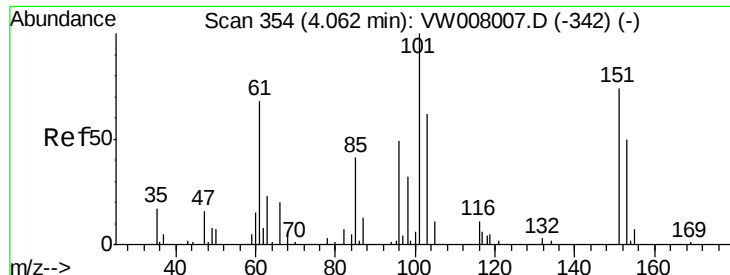
Diethyl Ether
 Concen: 20.681 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008064.D
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Tgt Ion: 74 Resp: 7032
 Ion Ratio Lower Upper
 74 100
 45 87.1 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.205 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

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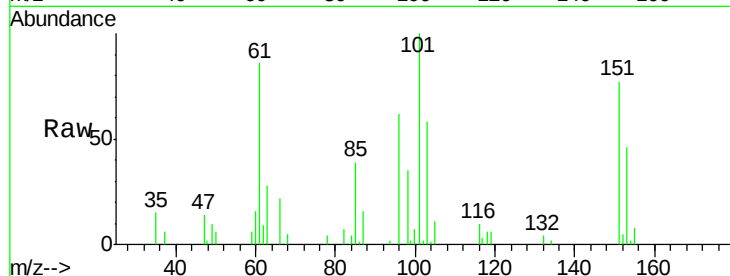
Tot Ion:101 Resp: 15896

Ion Ratio Lower Upper

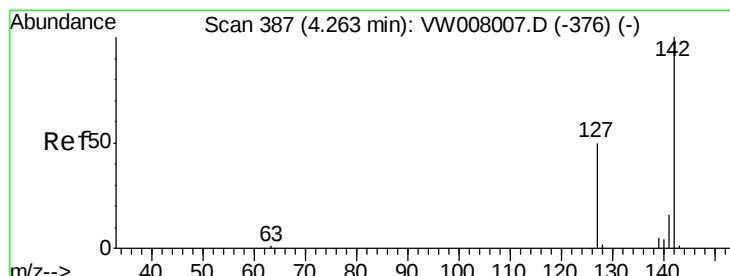
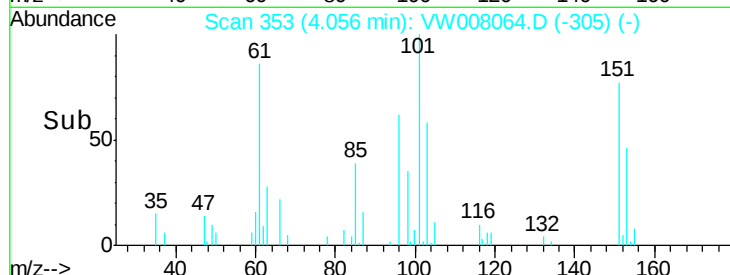
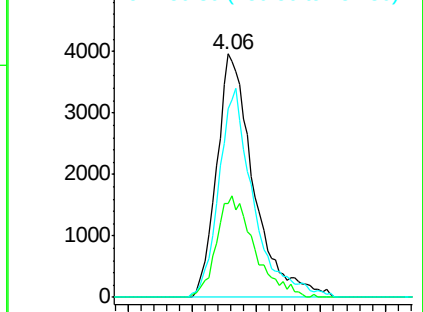
101 100

85 42.7 35.1 52.7

151 80.9 65.3 97.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.152 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

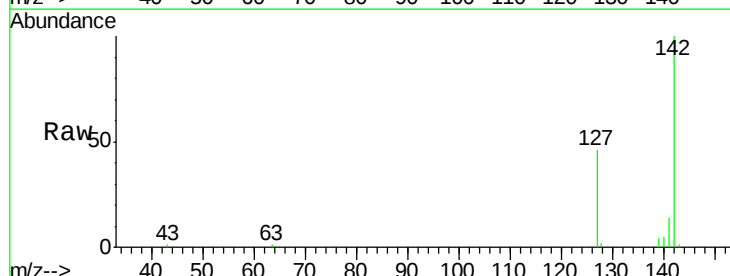
Tgt Ion:142 Resp: 24240

Ion Ratio Lower Upper

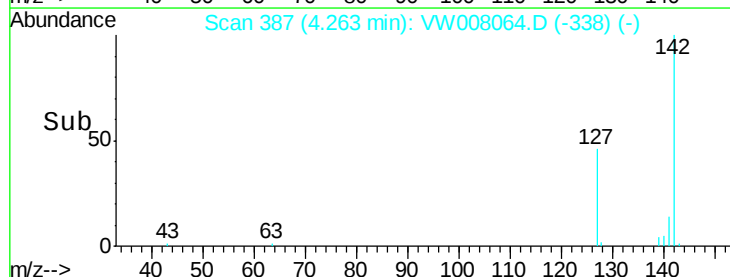
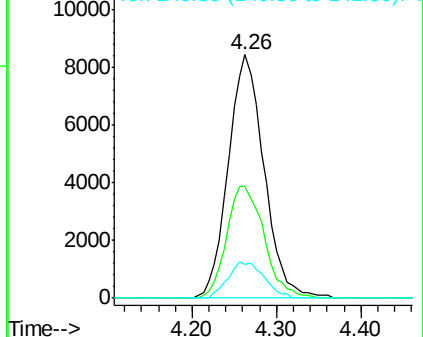
142 100

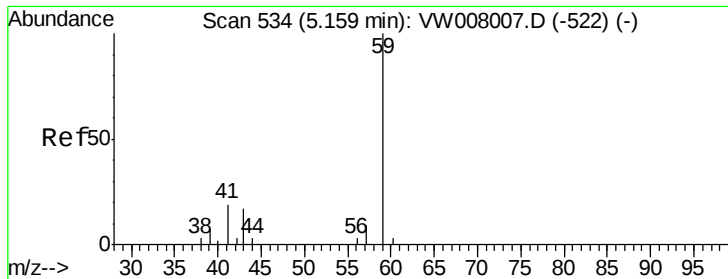
127 48.0 39.4 59.0

141 14.9 12.1 18.1



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



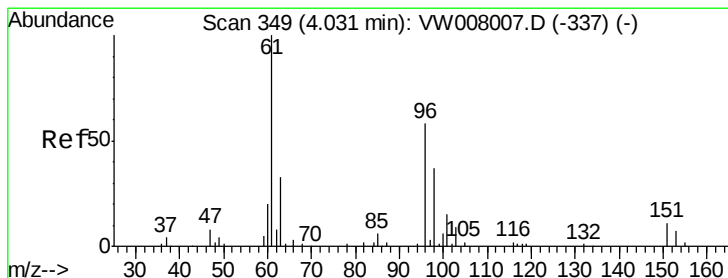
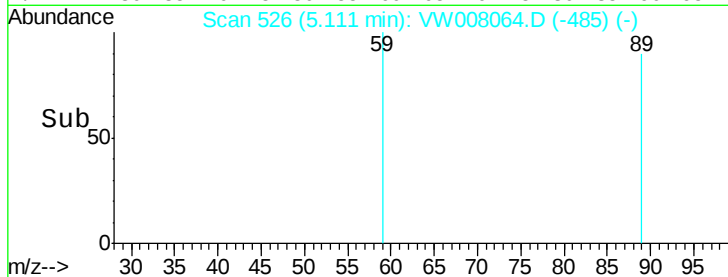
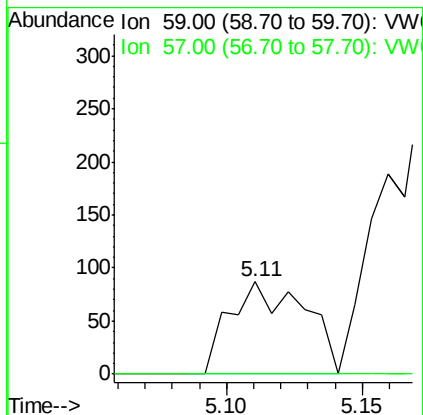
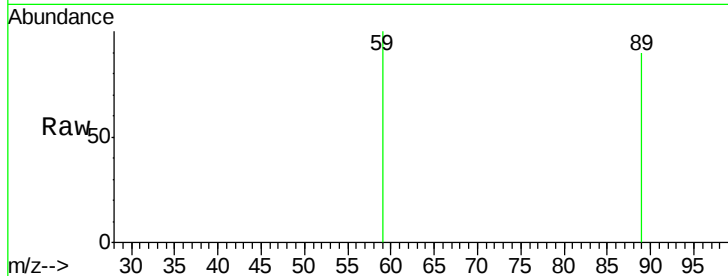


#11

Tert butyl alcohol
 Concen: 3.080 ug/l
 RT: 5.11 min Scan# 526
 Delta R.T. -0.05 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampled :
 VW0107SBS01

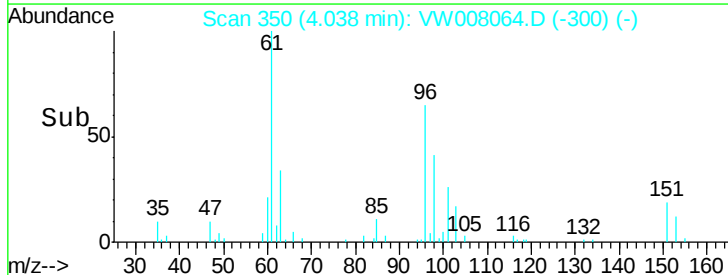
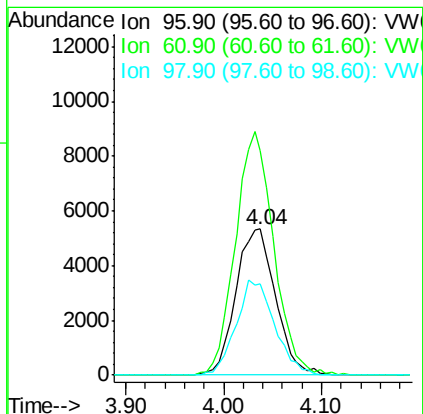
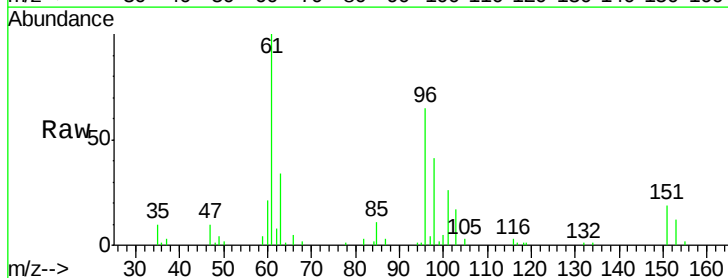
Tot Ion: 59 Resp: 166
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

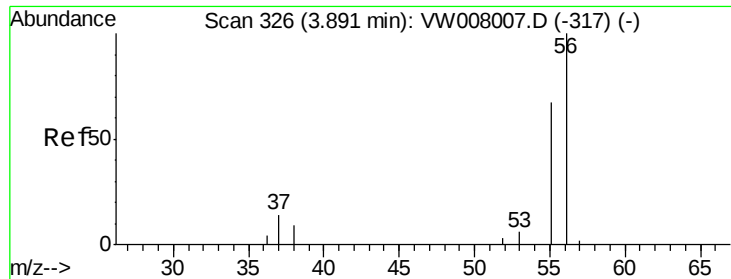


#12

1,1-Dichloroethene
 Concen: 19.961 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 96 Resp: 15032
 Ion Ratio Lower Upper
 96 100
 61 153.8 137.3 205.9
 98 62.4 50.5 75.7





#13

Acrolein

Concen: 80.617 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

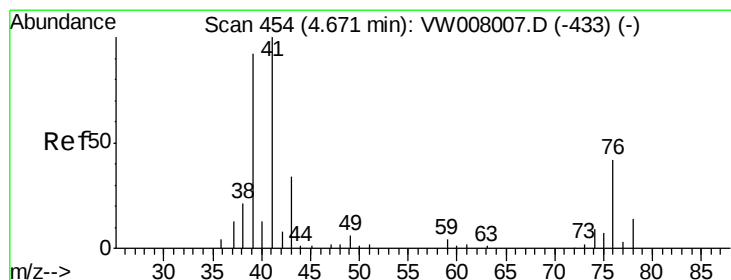
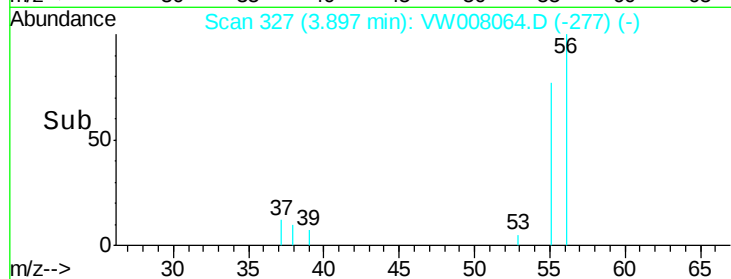
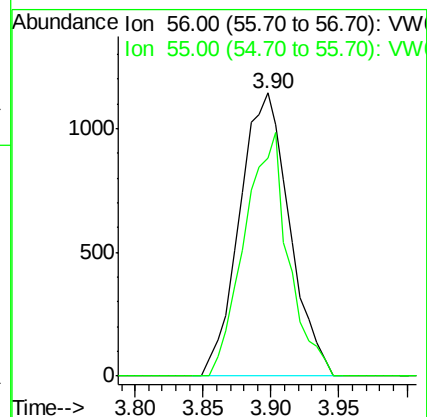
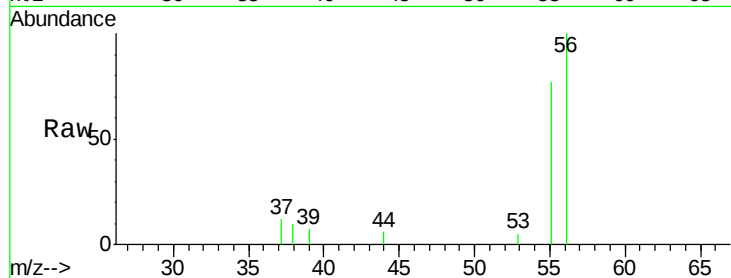
VW0107SBS01

Tot Ion: 56 Resp: 2944

Ion Ratio Lower Upper

56 100

55 75.9 57.3 85.9



#14

Allyl chloride

Concen: 20.544 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

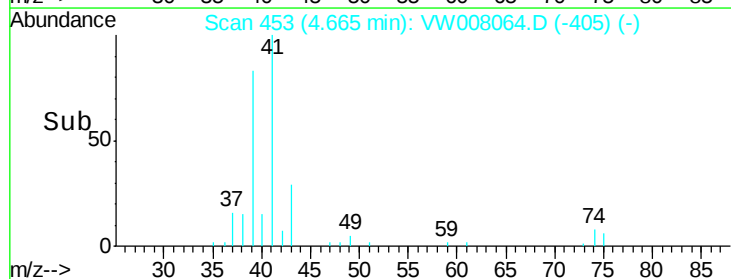
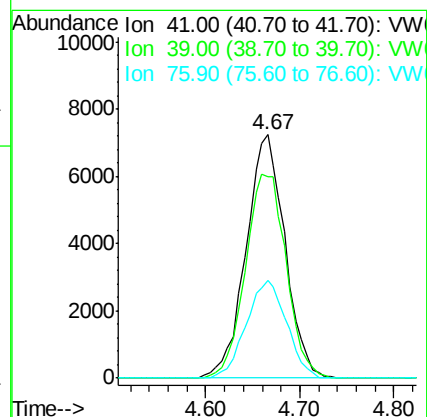
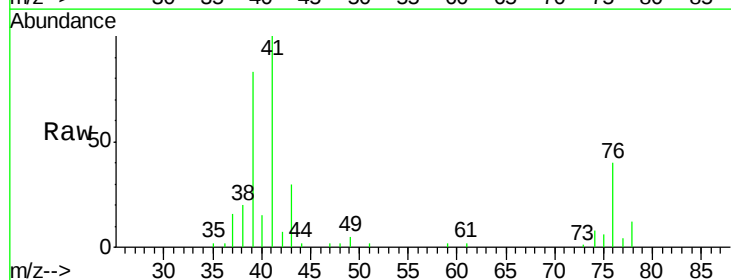
Tgt Ion: 41 Resp: 20959

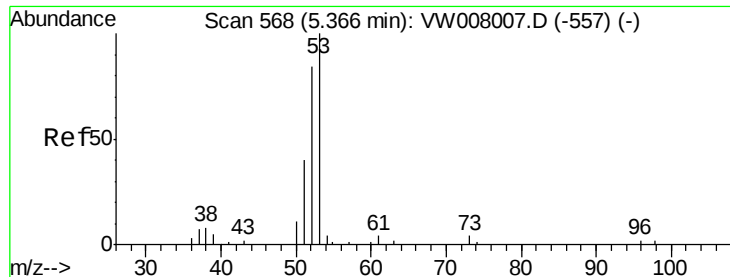
Ion Ratio Lower Upper

41 100

39 87.9 71.1 106.7

76 41.3 33.4 50.2





#15

Acrylonitrile

Concen: 100.062 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

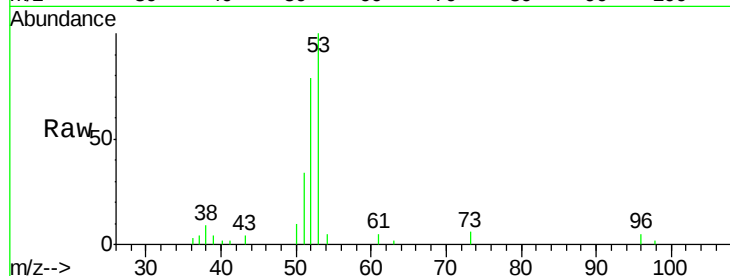
Tot Ion: 53 Resp: 12514

Ion Ratio Lower Upper

53 100

52 83.7 67.8 101.8

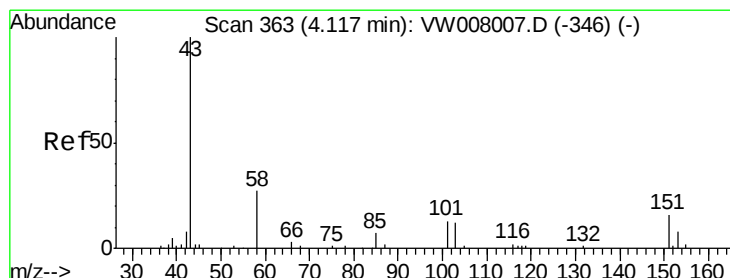
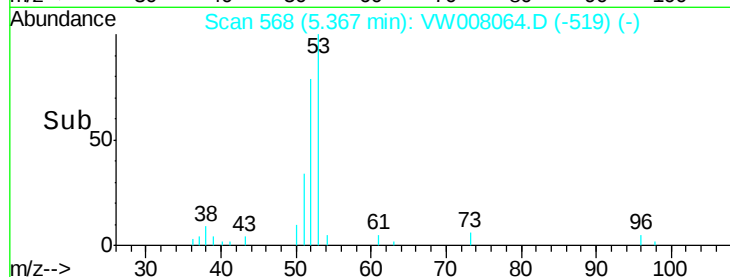
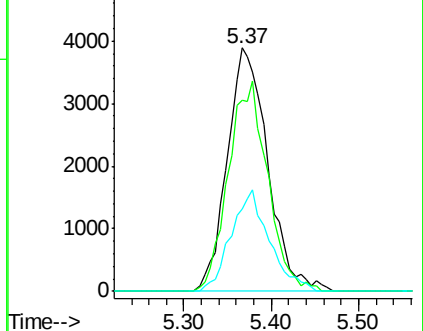
51 39.4 31.5 47.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 104.835 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW008064.D

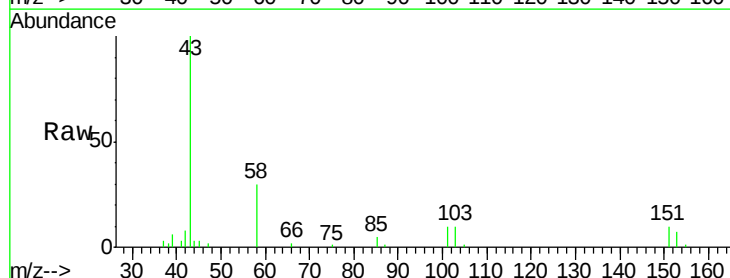
Acq: 07 Jan 2019 12:50

Tgt Ion: 43 Resp: 13463

Ion Ratio Lower Upper

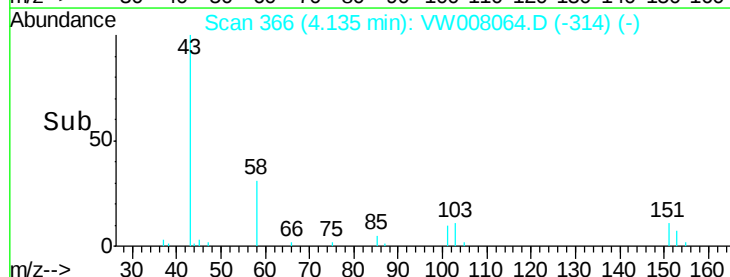
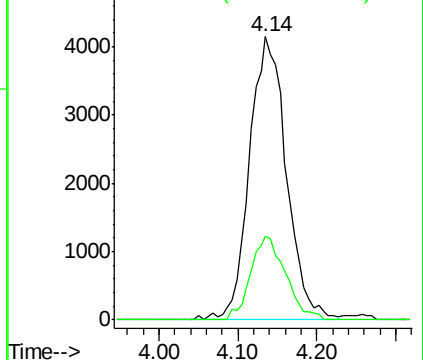
43 100

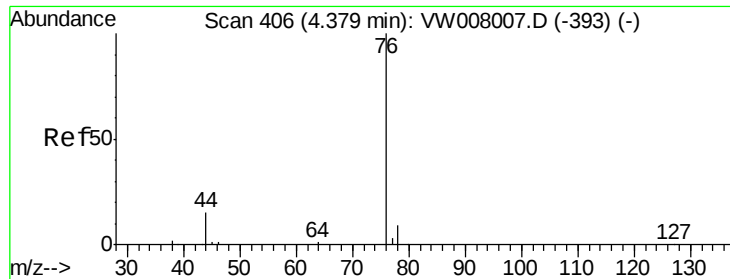
58 29.5 21.7 32.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.289 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

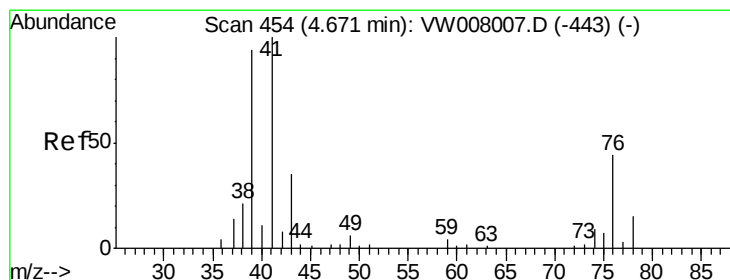
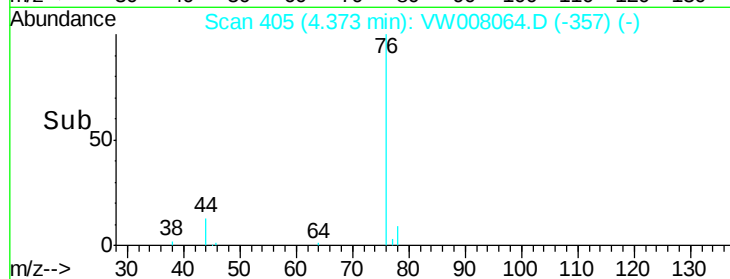
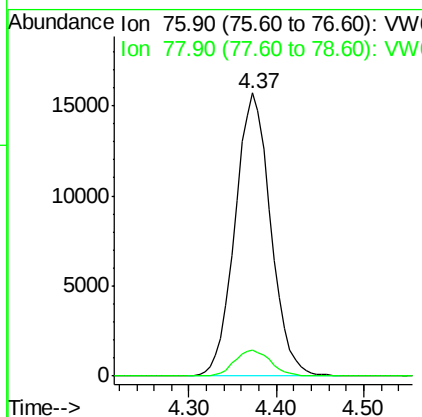
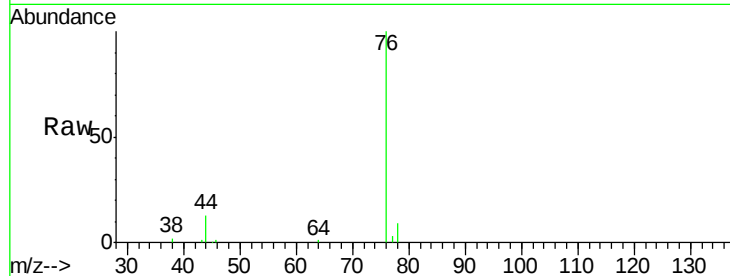
VW0107SBS01

Tot Ion: 76 Resp: 44370

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.4



#18

Methyl Acetate

Concen: 19.619 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008064.D

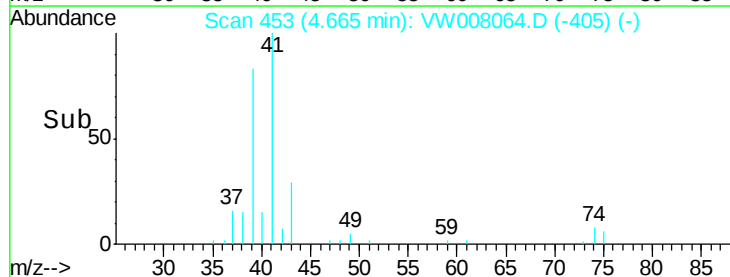
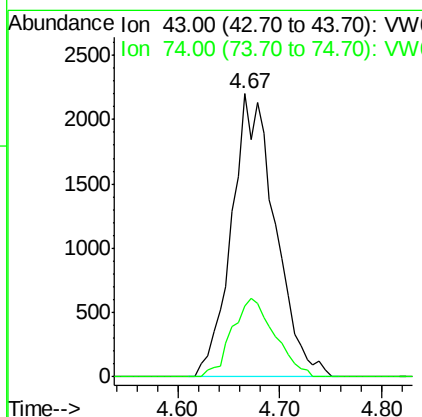
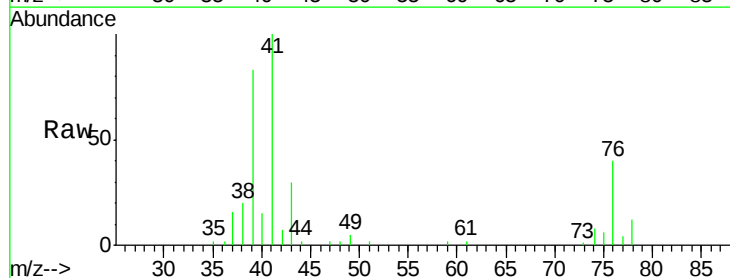
Acq: 07 Jan 2019 12:50

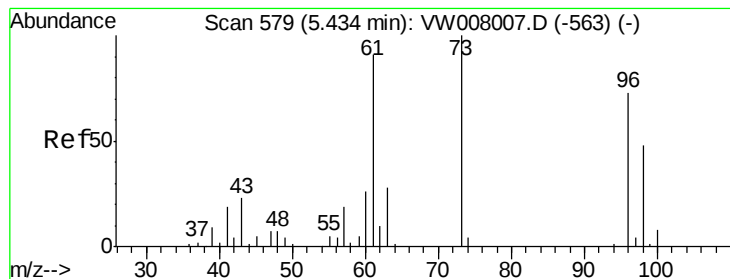
Tgt Ion: 43 Resp: 6534

Ion Ratio Lower Upper

43 100

74 27.1 21.4 32.2



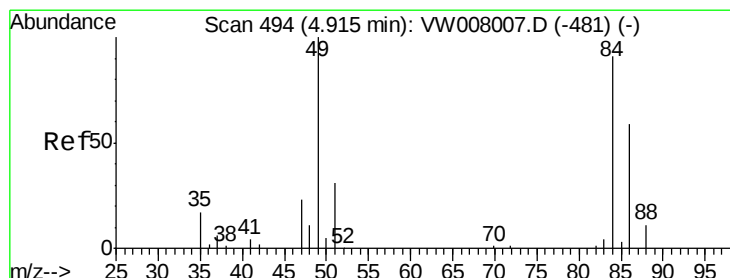
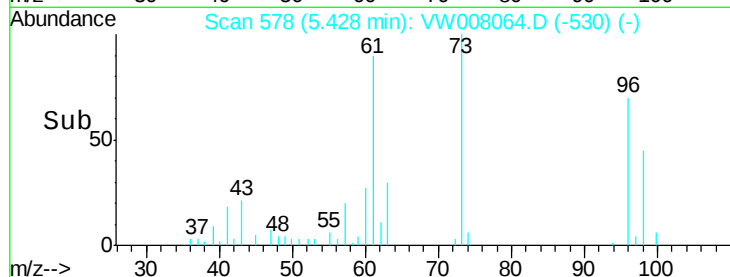
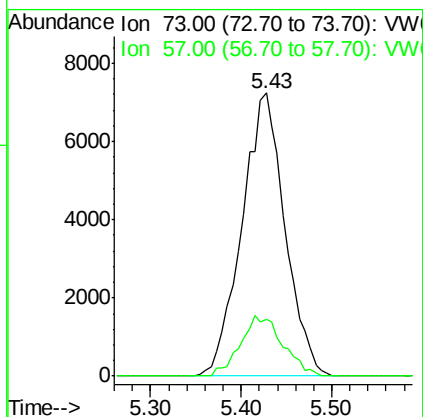
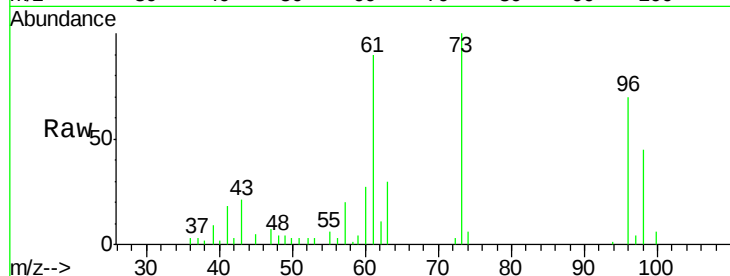


#19

Methyl tert-butyl Ether
 Concen: 20.094 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

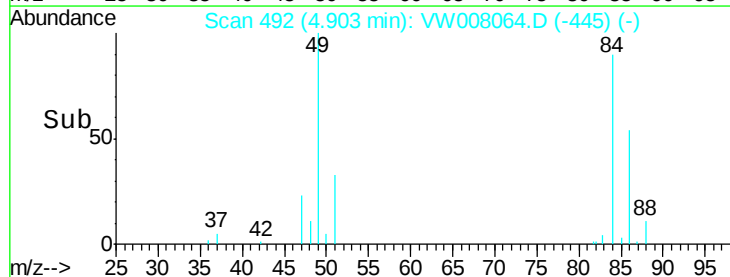
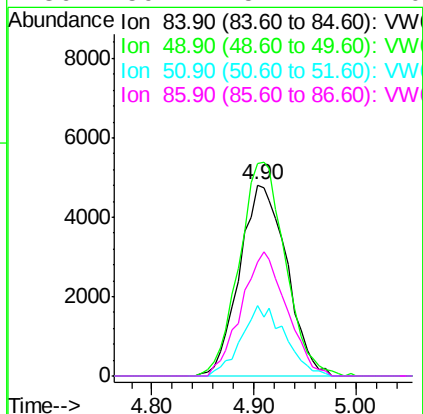
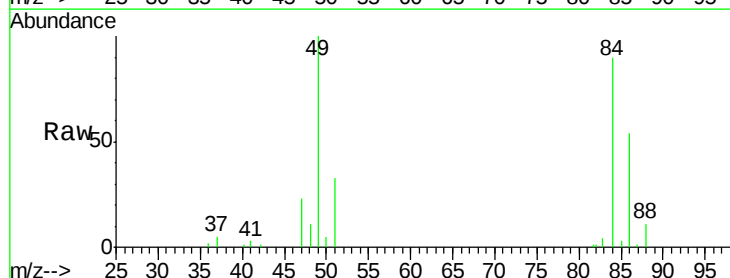
Tot Ion: 73 Resp: 23813
 Ion Ratio Lower Upper
 73 100
 57 20.1 15.4 23.0

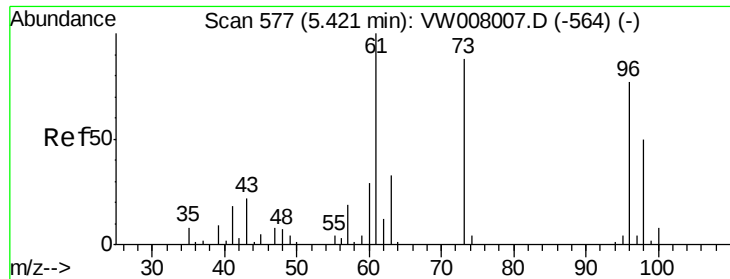


#20

Methylene Chloride
 Concen: 17.948 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 84 Resp: 15421
 Ion Ratio Lower Upper
 84 100
 49 111.1 87.7 131.5
 51 36.8 27.3 40.9
 86 59.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.599 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

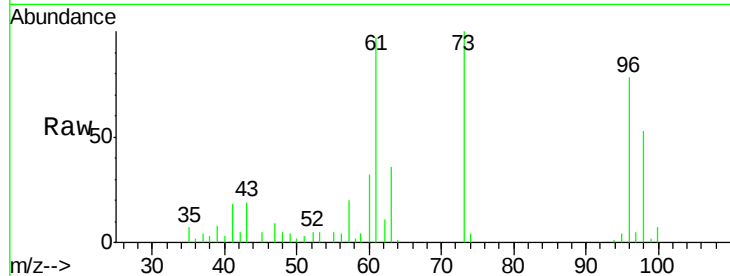
Tot Ion: 96 Resp: 16058

Ion Ratio Lower Upper

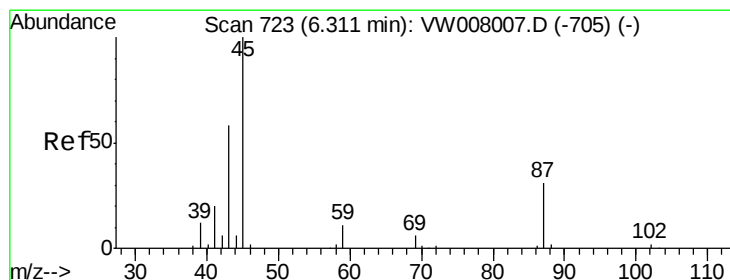
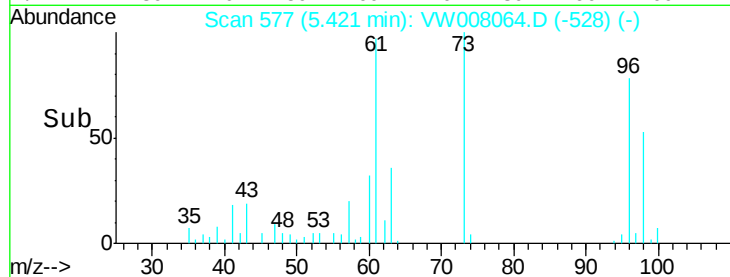
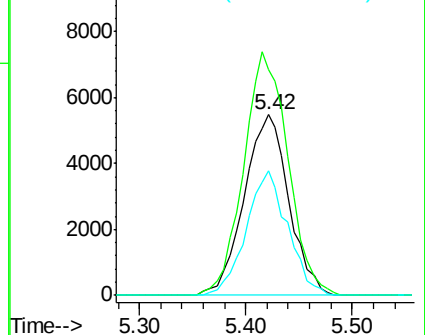
96 100

61 124.9 104.2 156.2

98 68.8 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.874 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion: 45 Resp: 38224

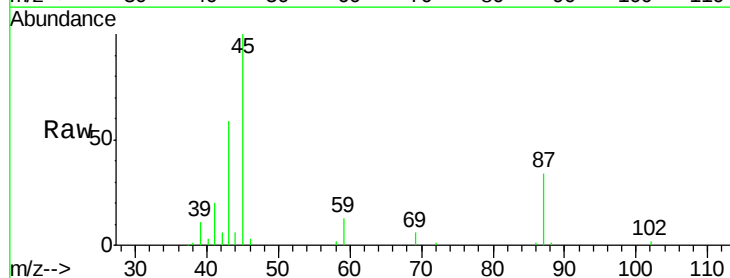
Ion Ratio Lower Upper

45 100

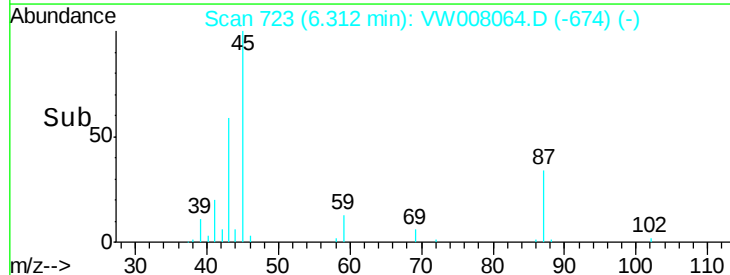
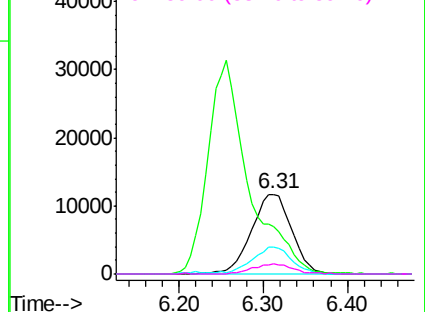
43 57.8 48.1 72.1

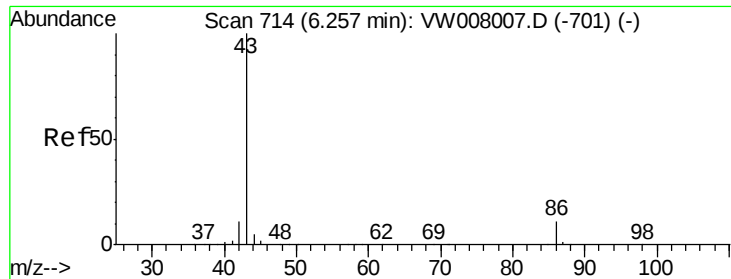
87 33.6 25.8 38.8

59 12.5 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 103.030 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

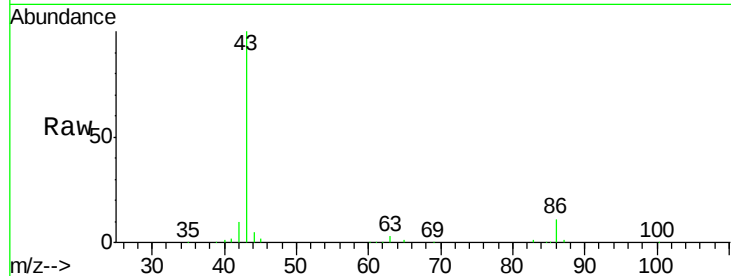
VW0107SBS01

Tot Ion: 43 Resp: 105558

Ion Ratio Lower Upper

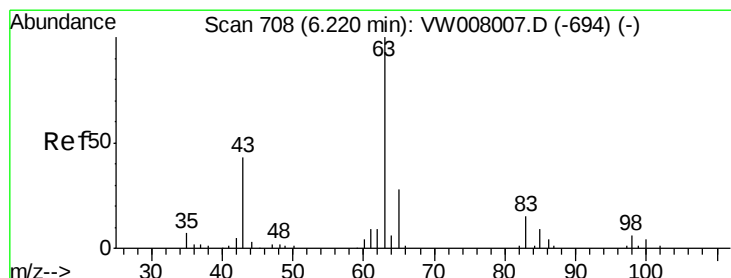
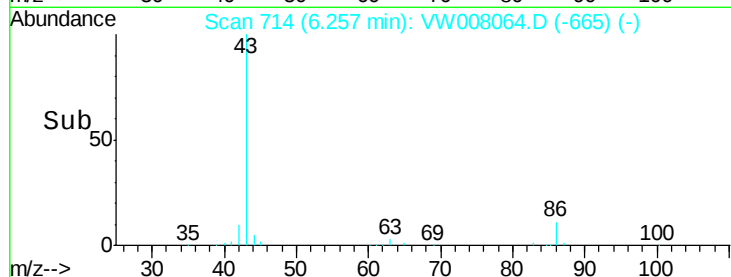
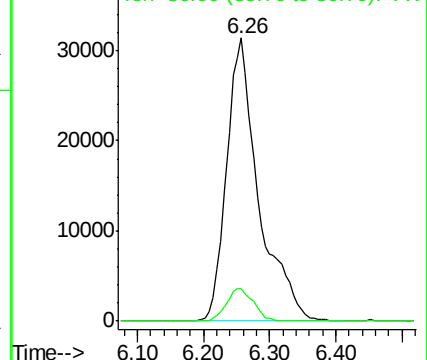
43 100

86 11.4 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.753 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

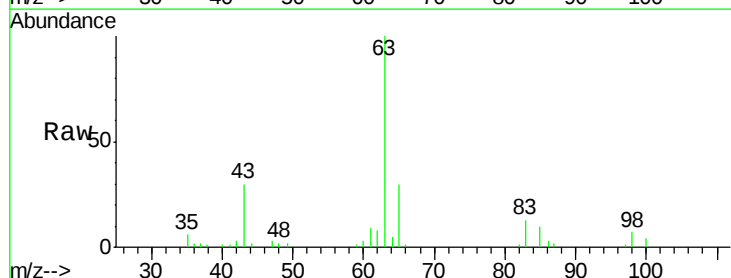
Tgt Ion: 63 Resp: 26875

Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

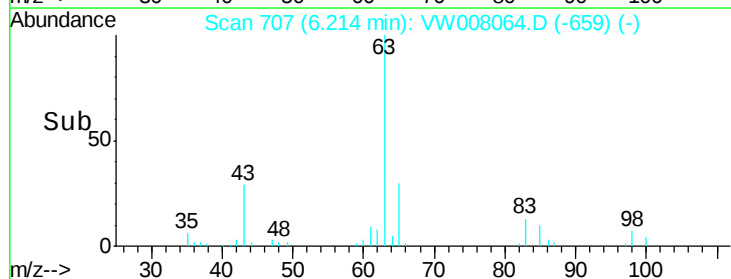
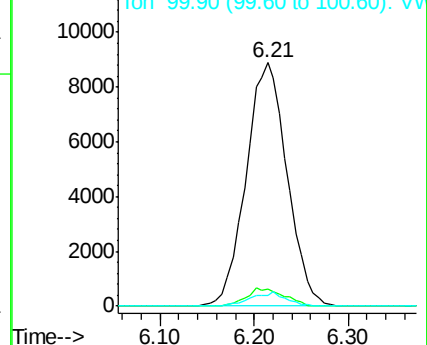
100 4.4 2.1 6.2

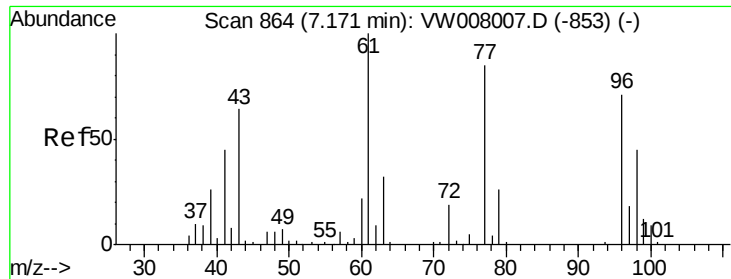


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 102.672 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

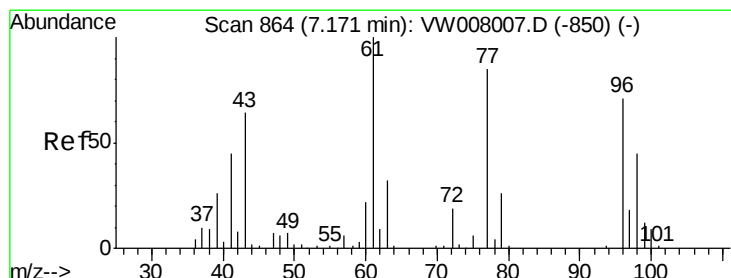
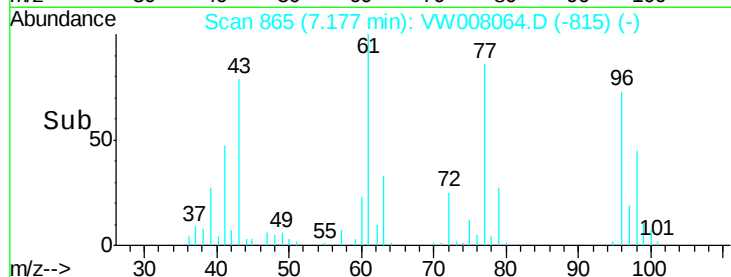
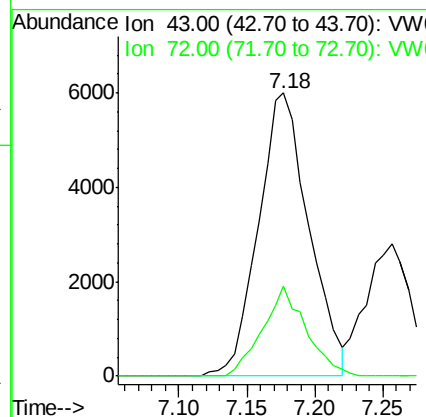
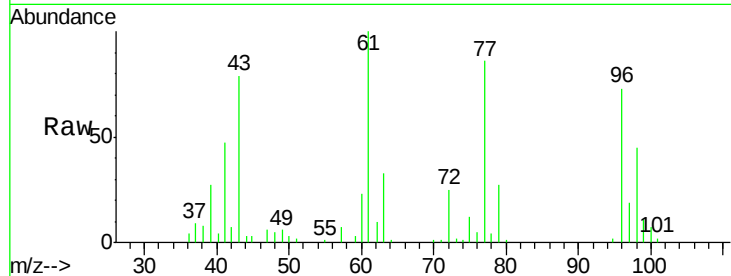
VW0107SBS01

Tot Ion: 43 Resp: 15535

Ion Ratio Lower Upper

43 100

72 32.1 23.8 35.8



#26

2,2-Dichloropropane

Concen: 20.641 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008064.D

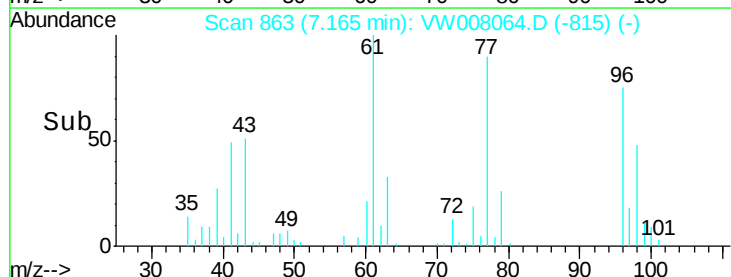
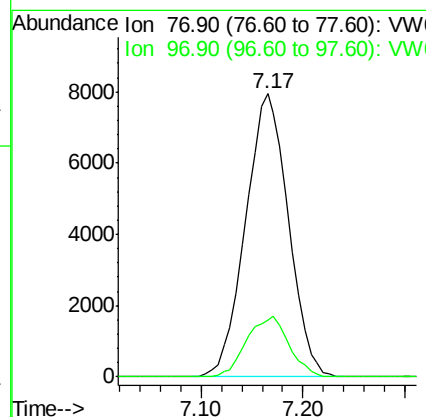
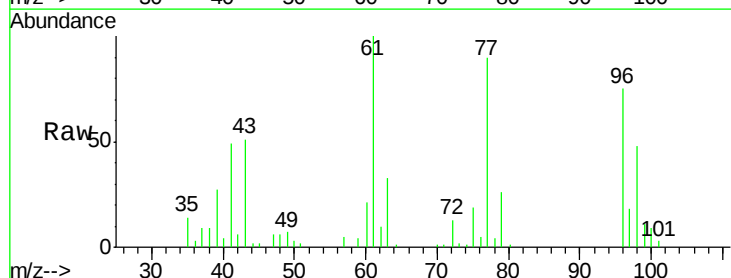
Acq: 07 Jan 2019 12:50

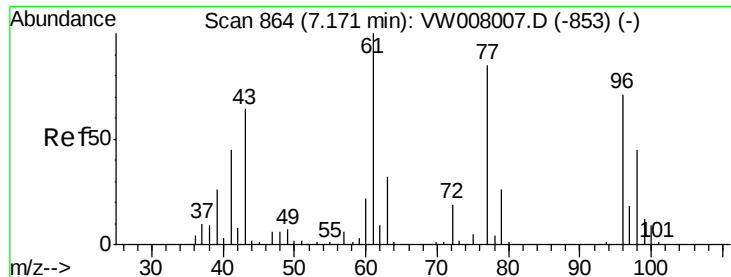
Tgt Ion: 77 Resp: 23137

Ion Ratio Lower Upper

77 100

97 21.1 11.0 33.0



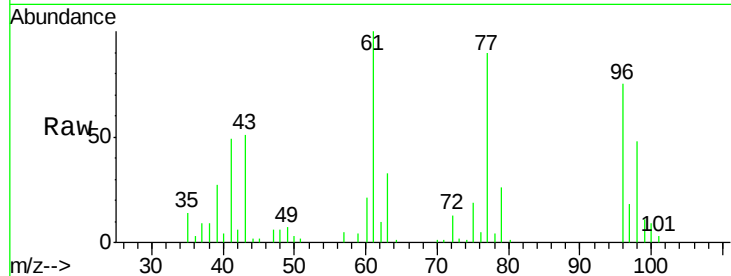


#27

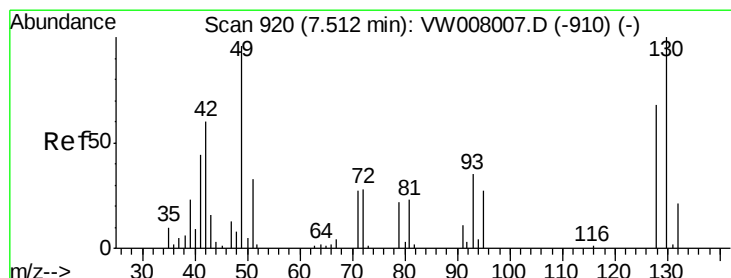
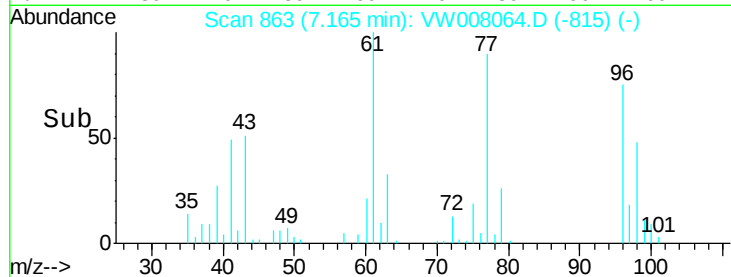
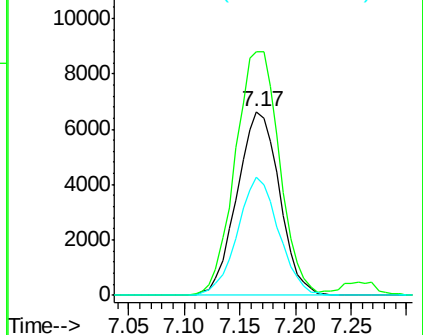
cis-1,2-Dichloroethene
 Concen: 20.166 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion: 96 Resp: 17600
 Ion Ratio Lower Upper
 96 100
 61 138.7 0.0 286.4
 98 62.3 0.0 130.6



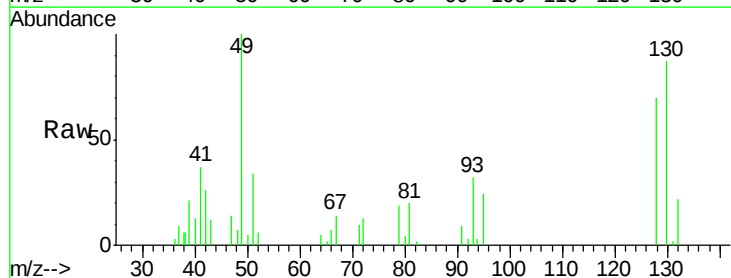
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



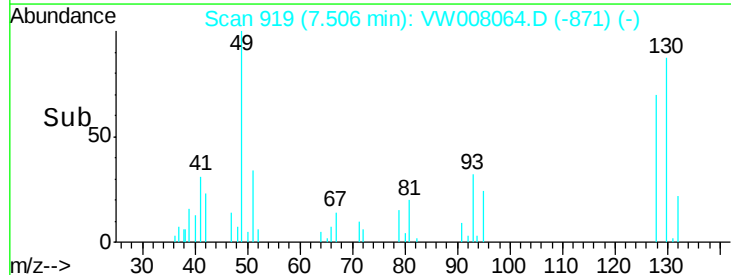
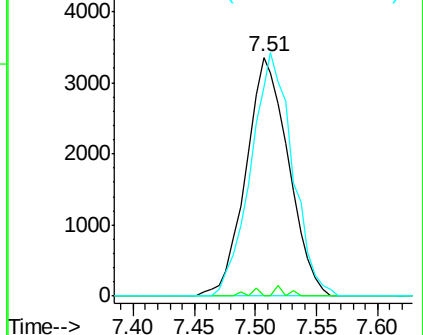
#28

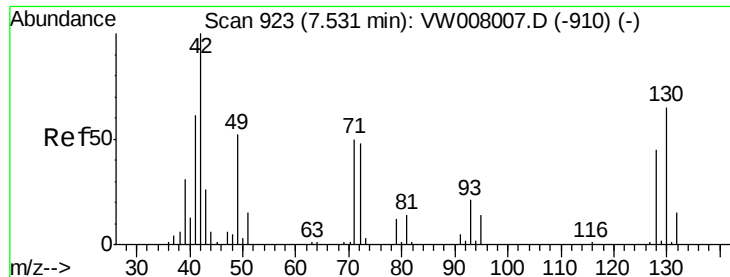
Bromochloromethane
 Concen: 18.550 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 49 Resp: 8112
 Ion Ratio Lower Upper
 49 100
 129 1.1 0.0 0.8#
 130 100.1 78.5 117.7



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 94.941 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

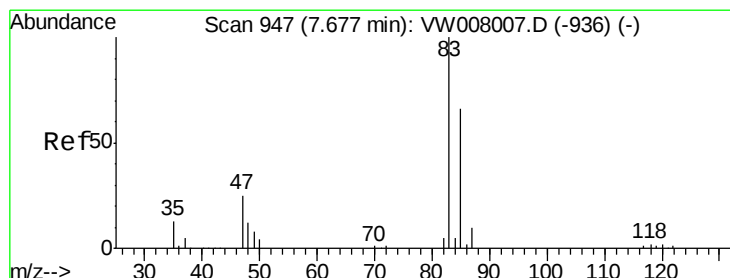
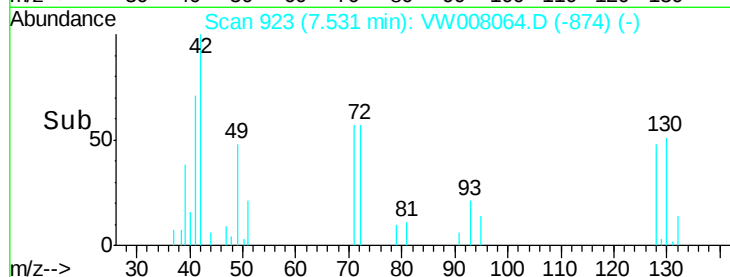
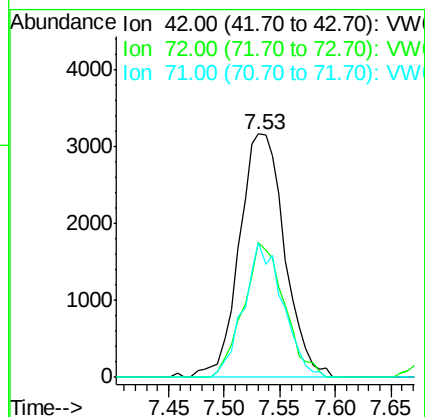
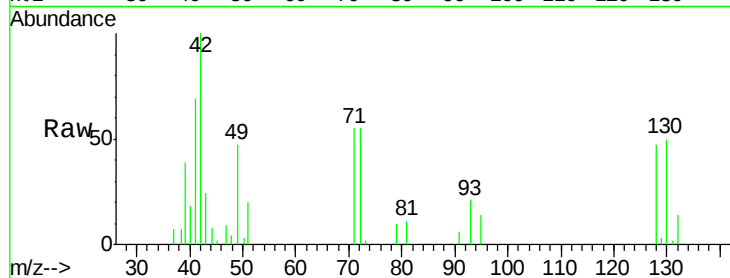
Tot Ion: 42 Resp: 8923

Ion Ratio Lower Upper

42 100

72 49.9 39.0 58.6

71 47.7 39.1 58.7



#30

Chloroform

Concen: 19.590 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW008064.D

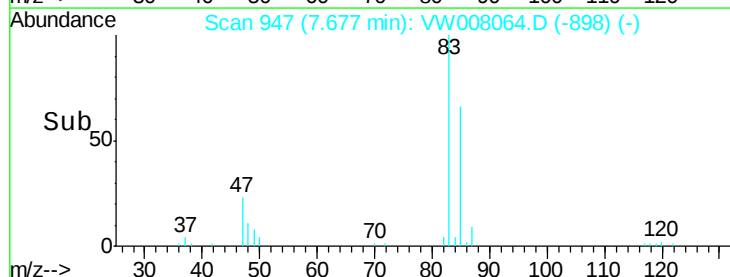
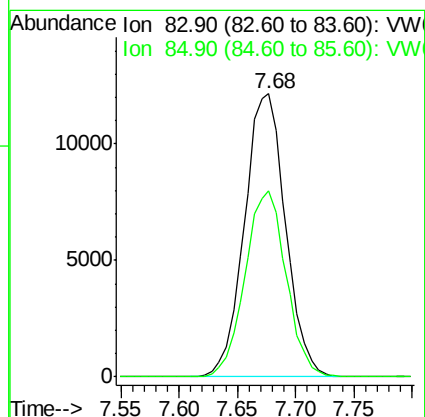
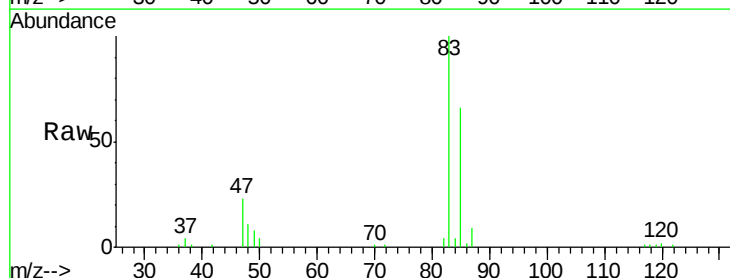
Acq: 07 Jan 2019 12:50

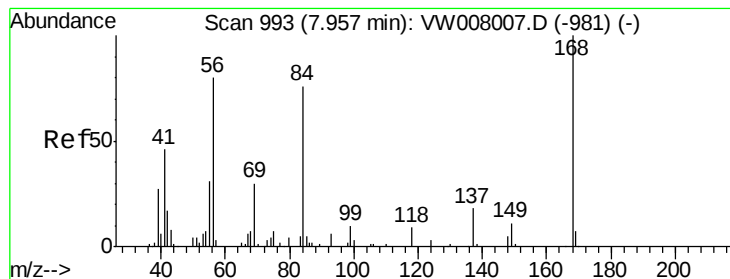
Tgt Ion: 83 Resp: 29871

Ion Ratio Lower Upper

83 100

85 65.8 52.7 79.1





#31

Cyclohexane

Concen: 20.295 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

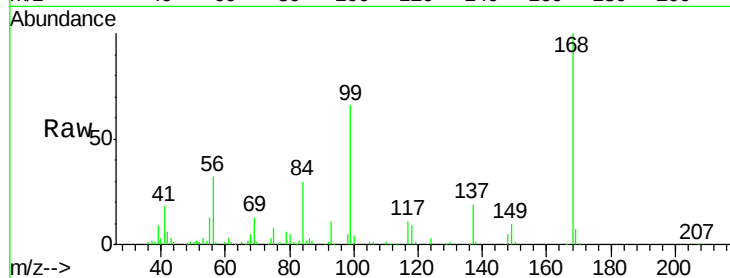
Tot Ion: 56 Resp: 25736

Ion Ratio Lower Upper

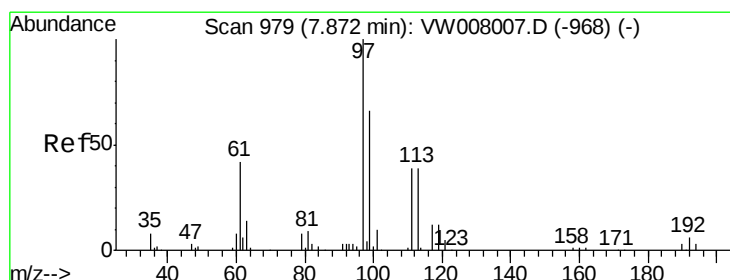
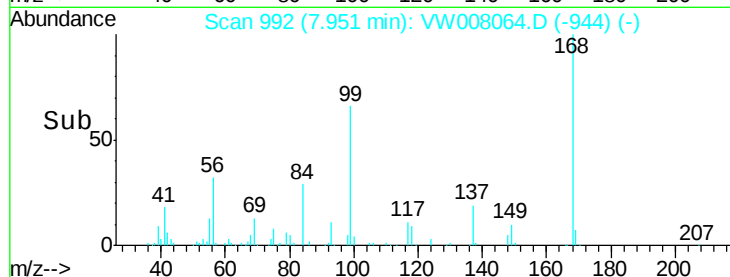
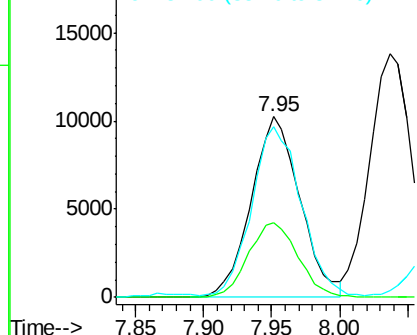
56 100

69 41.2 29.8 44.6

84 92.4 75.2 112.8



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



#32

1,1,1-Trichloroethane

Concen: 19.916 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

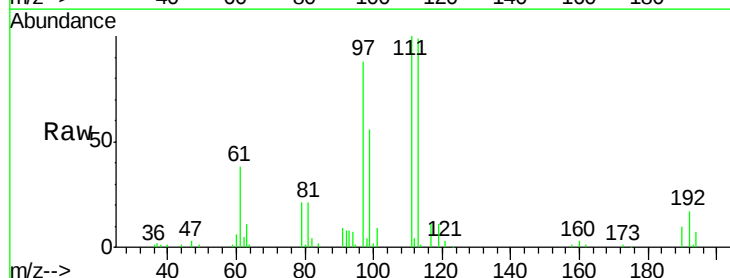
Tgt Ion: 97 Resp: 29059

Ion Ratio Lower Upper

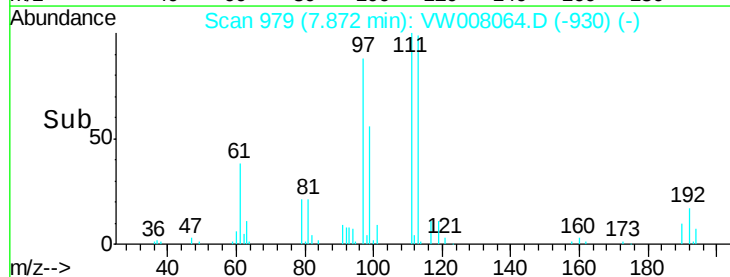
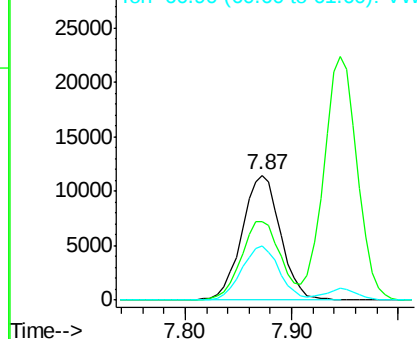
97 100

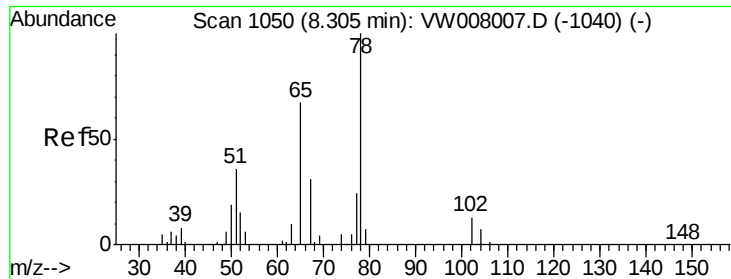
99 65.6 51.5 77.3

61 42.4 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 52.281 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

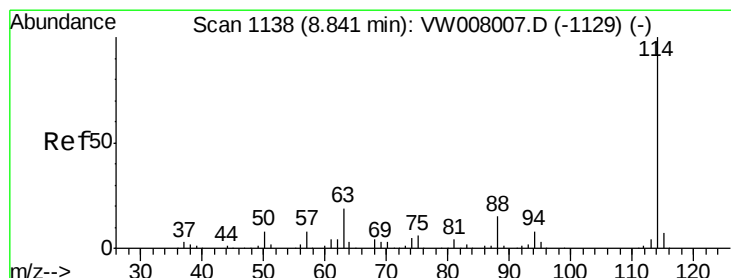
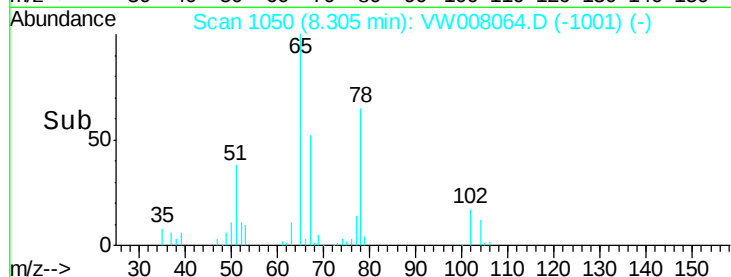
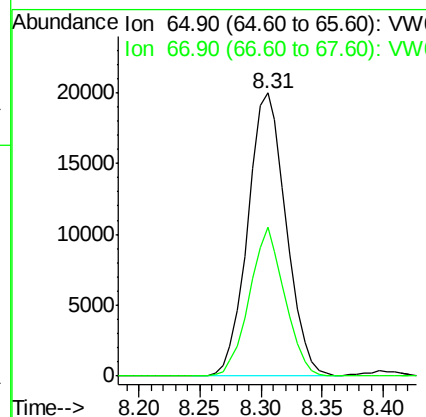
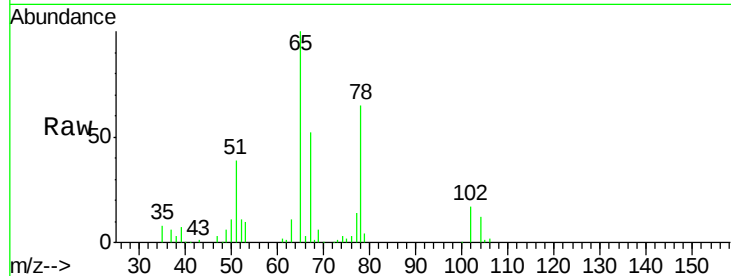
VW0107SBS01

Tot Ion: 65 Resp: 43373

Ion Ratio Lower Upper

65 100

67 48.5 0.0 94.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

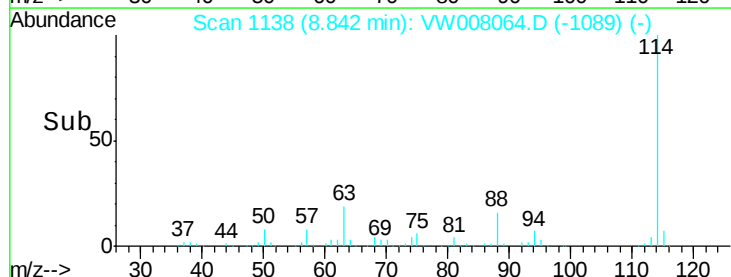
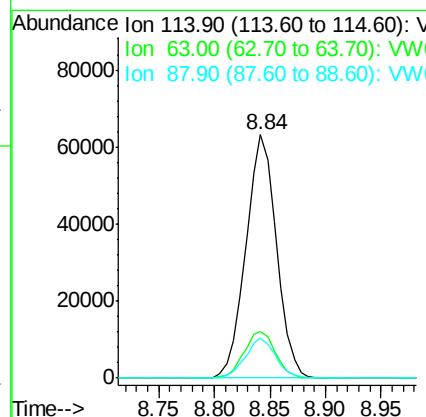
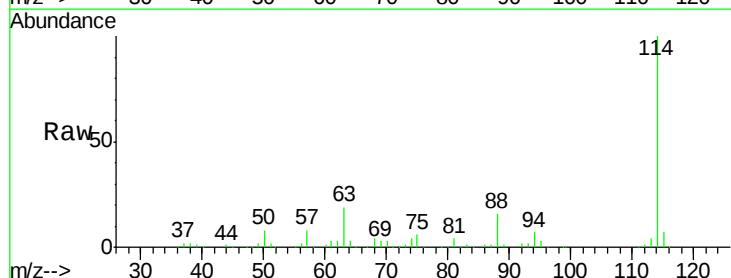
Tgt Ion: 114 Resp: 120202

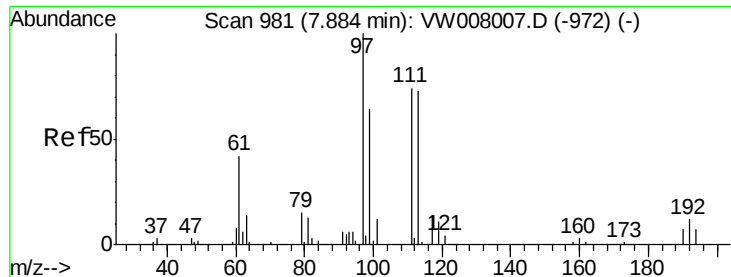
Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.8

88 16.5 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.623 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

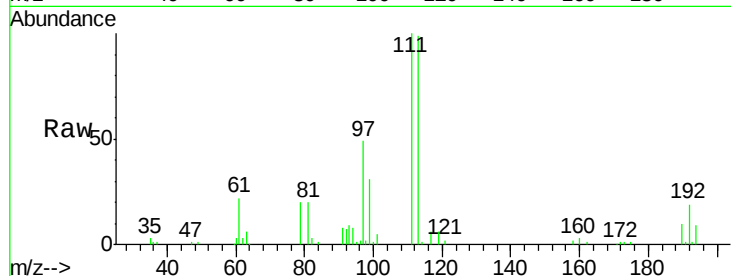
Tot Ion:113 Resp: 39118

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

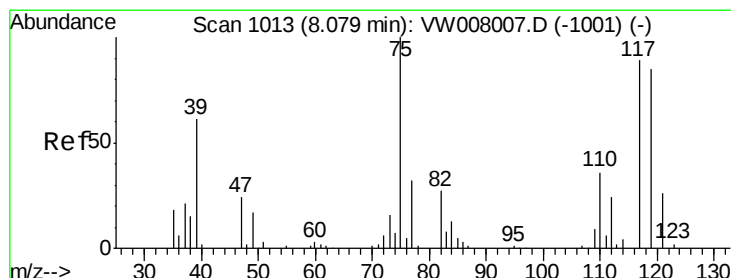
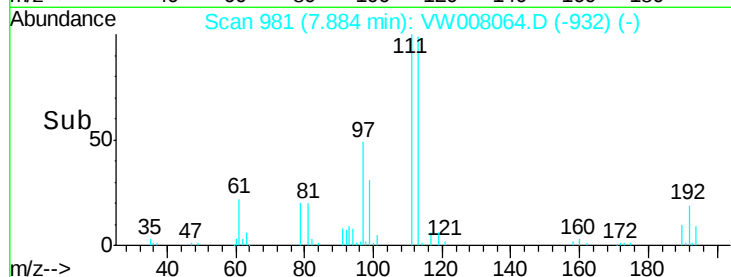
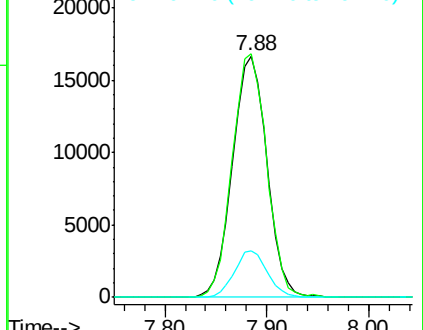
192 18.4 14.8 22.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.955 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

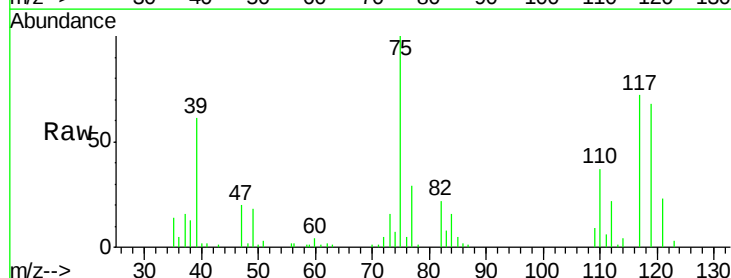
Tgt Ion: 75 Resp: 23662

Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.3

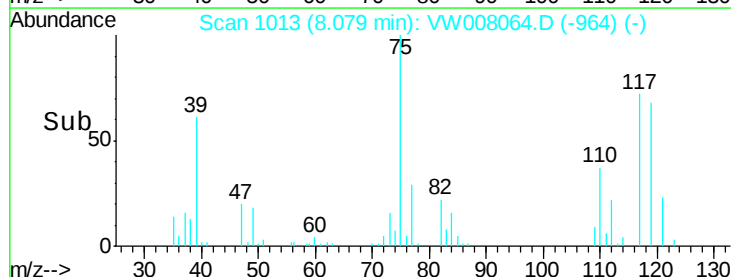
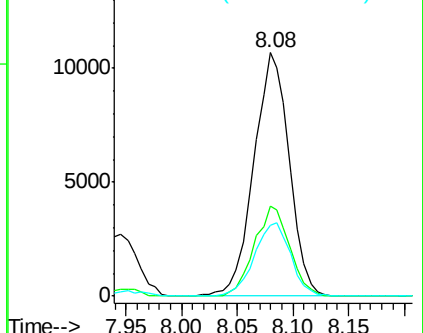
77 30.8 25.3 37.9

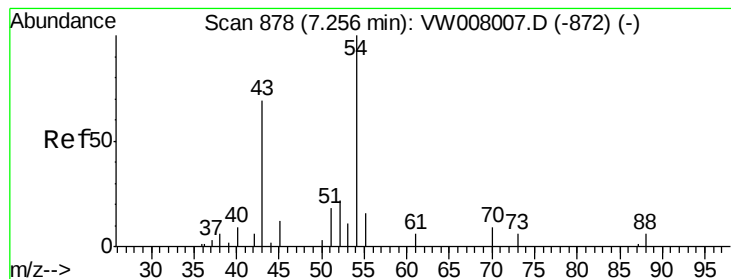


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 19.945 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

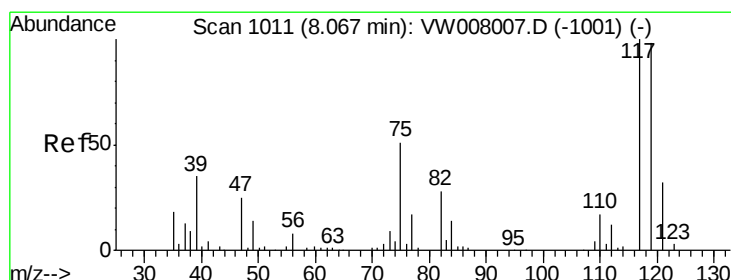
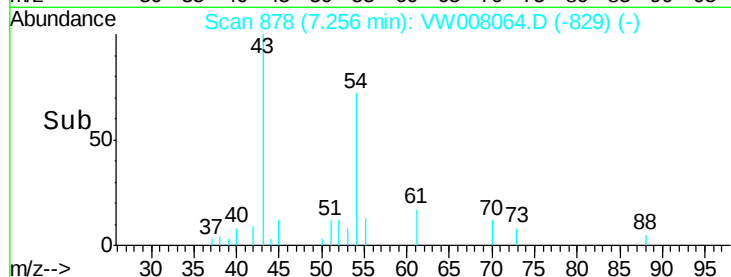
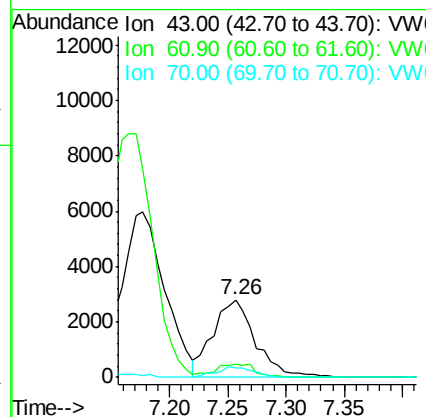
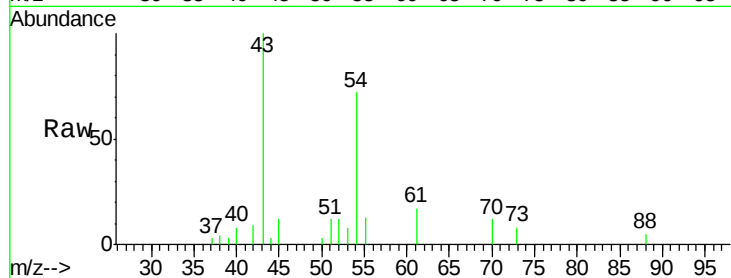
Tot Ion: 43 Resp: 7104

Ion Ratio Lower Upper

43 100

61 15.9 11.4 17.2

70 11.5 9.4 14.0



#38

Carbon Tetrachloride

Concen: 19.226 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

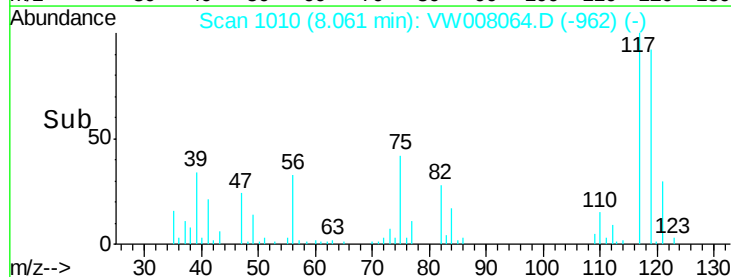
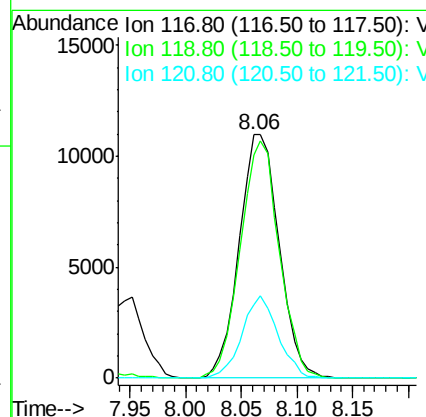
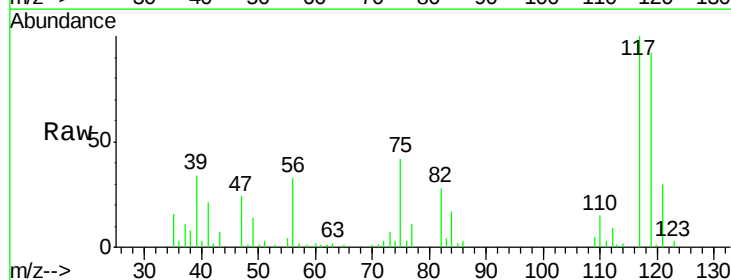
Tgt Ion: 117 Resp: 27321

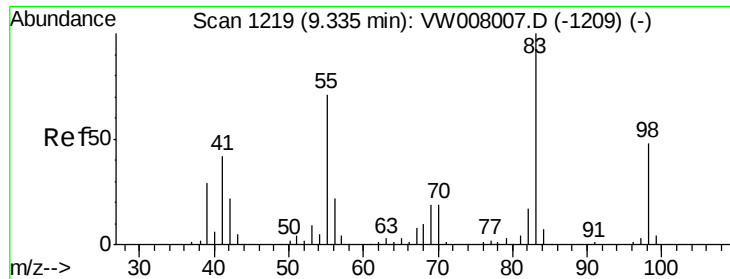
Ion Ratio Lower Upper

117 100

119 91.6 78.7 118.1

121 29.9 25.8 38.8

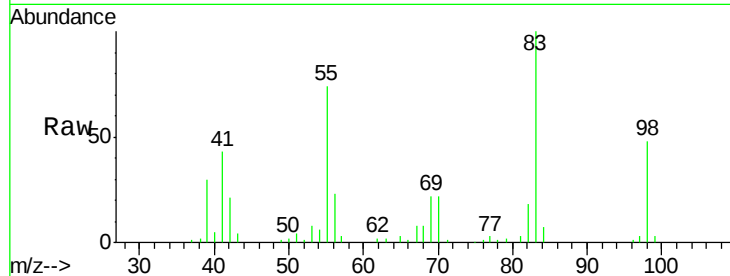




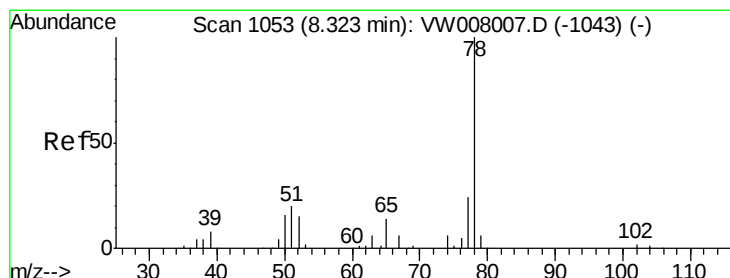
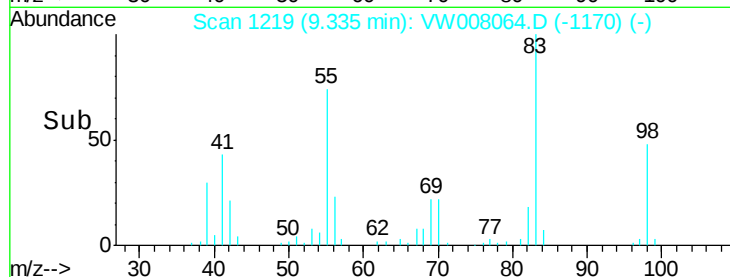
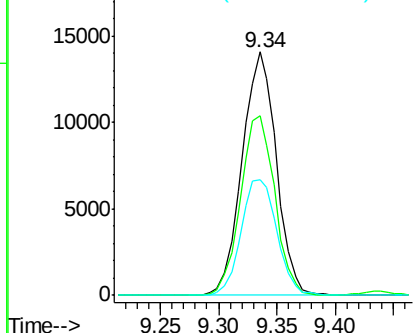
#39
Methvlcvclohexane
Concen: 19.511 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion: 83 Resp: 28838
Ion Ratio Lower Upper
83 100
55 73.6 56.8 85.2
98 47.7 38.6 58.0

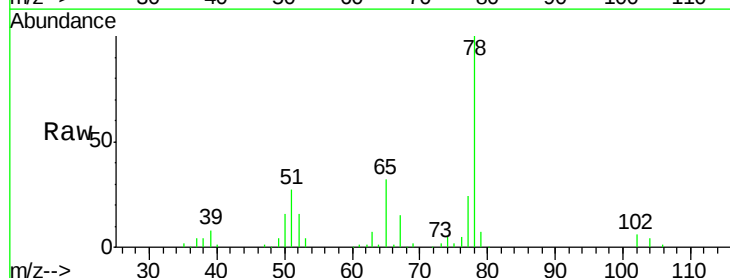


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

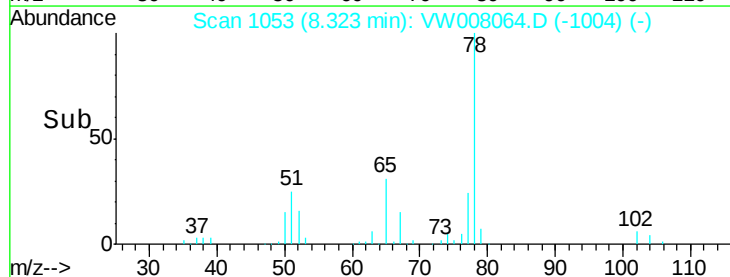
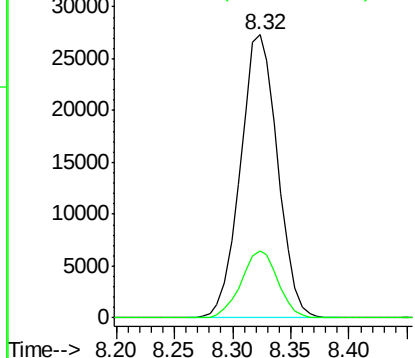


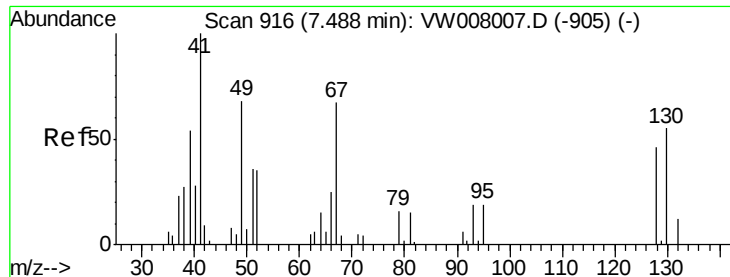
#40
Benzene
Concen: 19.474 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 78 Resp: 60918
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 21.808 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

VW0107SBS01

Tot Ion: 41 Resp: 4567

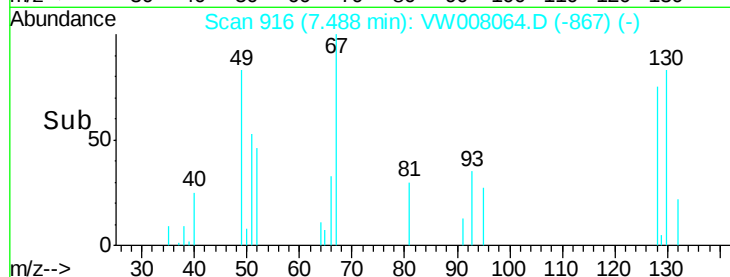
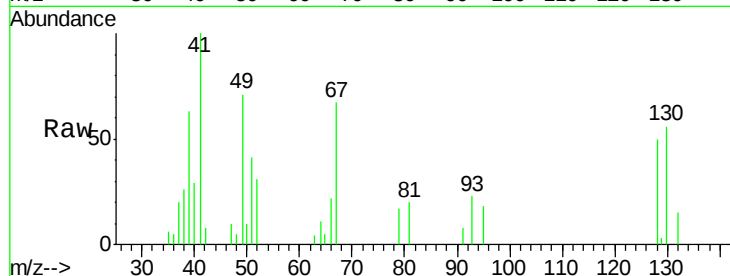
Ion Ratio Lower Upper

41 100

39 56.2 48.6 72.8

67 72.2 55.6 83.4

52 31.2 25.9 38.9

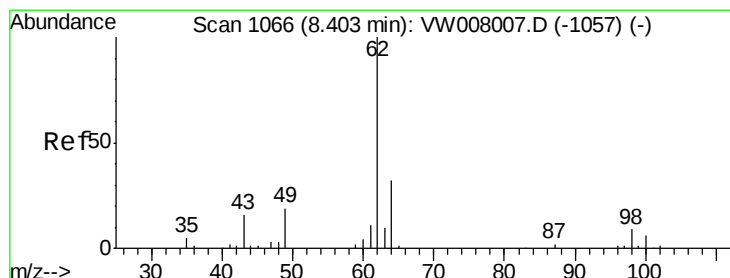
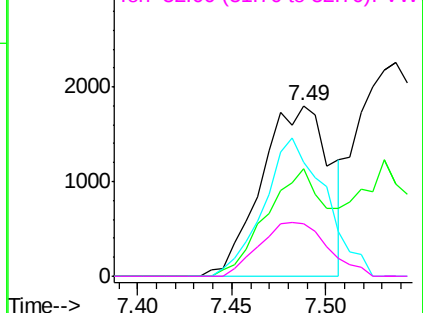


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 18.987 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW008064.D

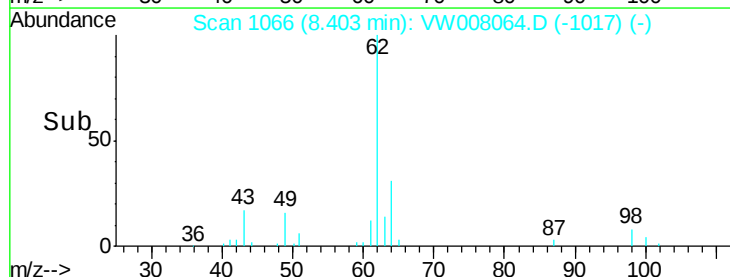
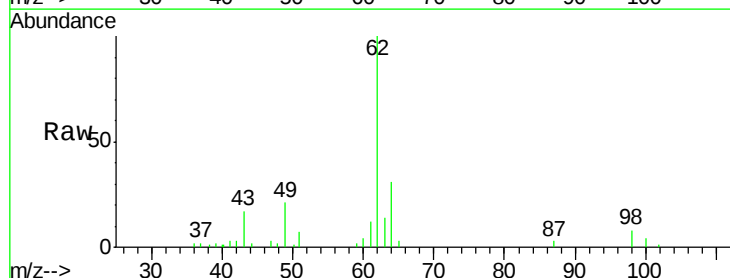
Acq: 07 Jan 2019 12:50

Tgt Ion: 62 Resp: 19789

Ion Ratio Lower Upper

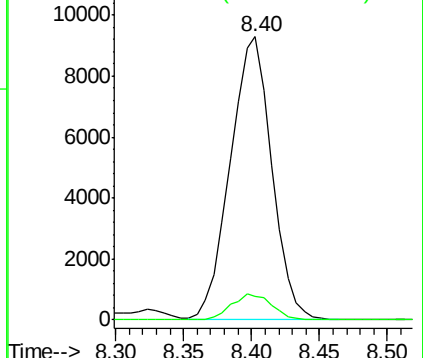
62 100

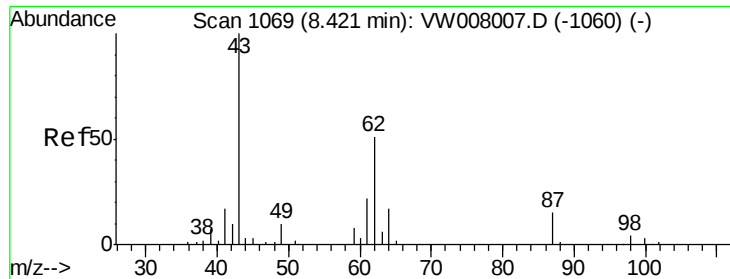
98 8.8 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



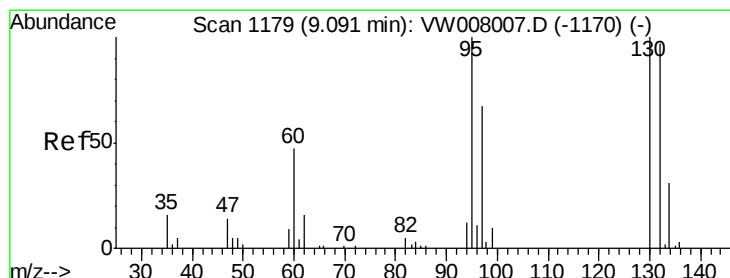
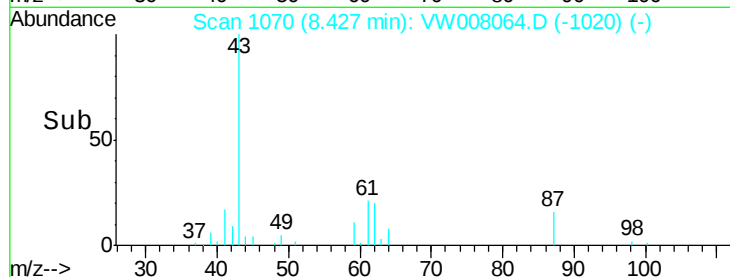
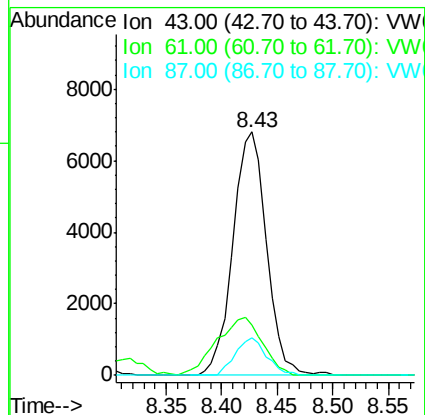
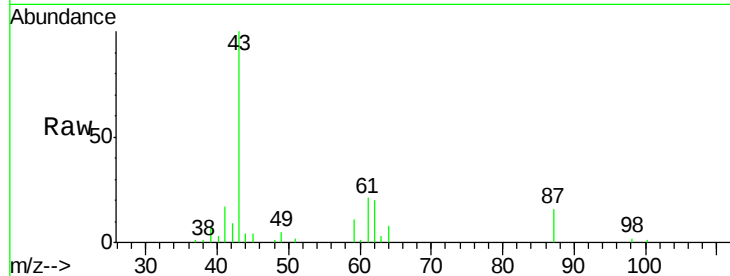


#43

Isopropyl Acetate
 Concen: 19.998 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

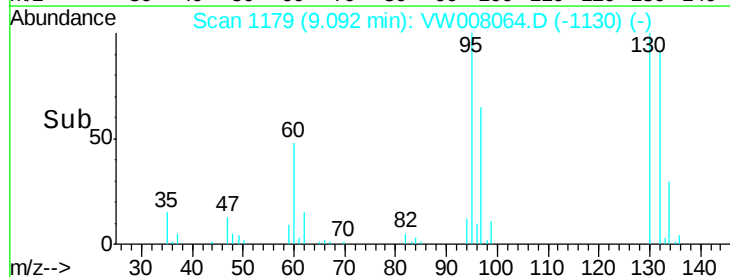
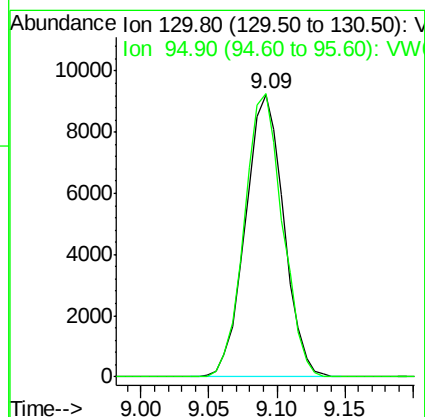
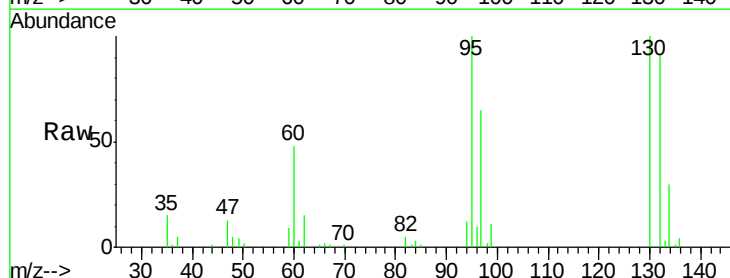
Tot Ion: 43 Resp: 14232
 Ion Ratio Lower Upper
 43 100
 61 32.4 26.4 39.6
 87 14.5 12.0 18.0

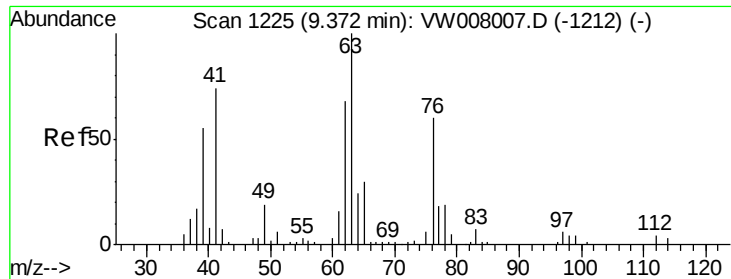


#44

Trichloroethene
 Concen: 19.737 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 130 Resp: 18219
 Ion Ratio Lower Upper
 130 100
 95 100.1 0.0 200.0

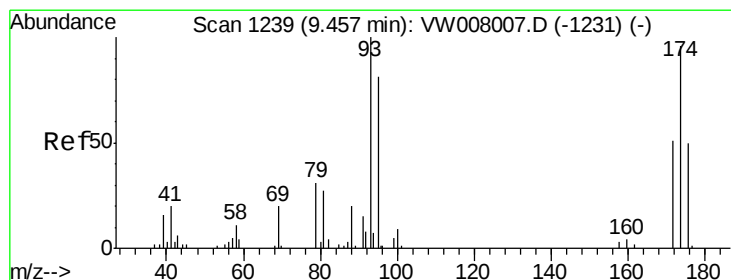
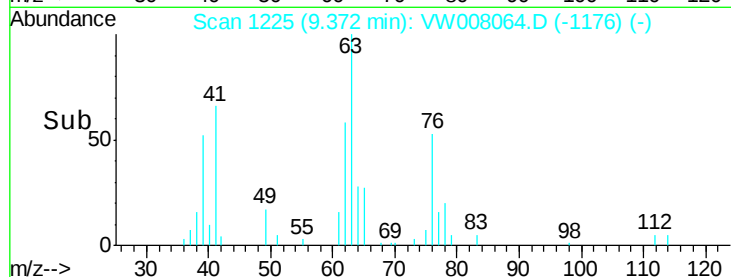
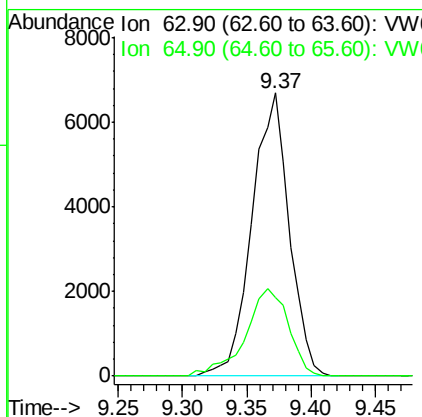
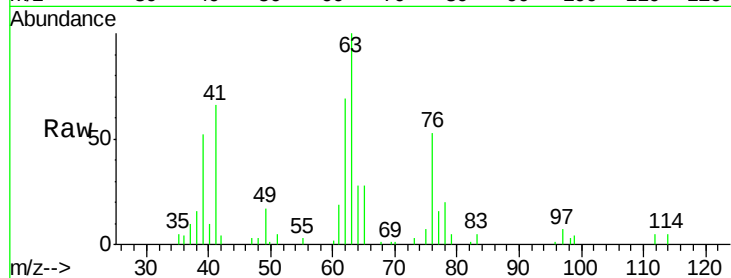




#45
 1,2-Dichloropropane
 Concen: 19.726 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

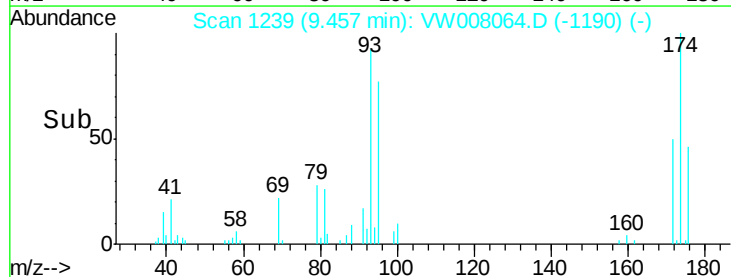
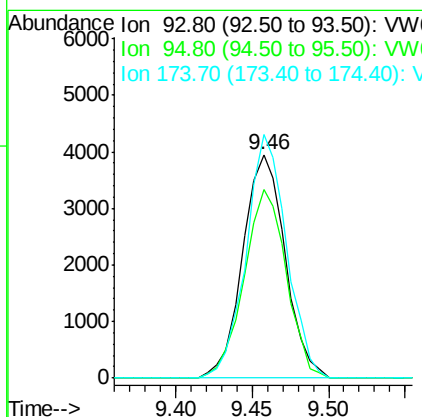
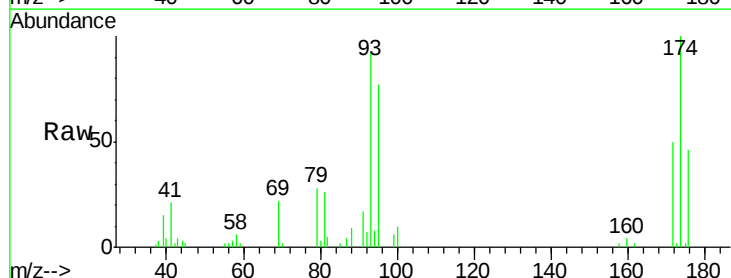
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

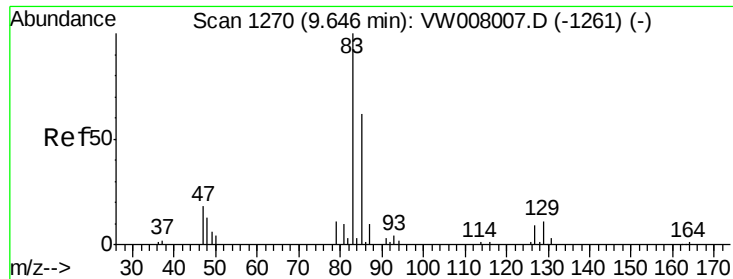
Tot Ion: 63 Resp: 13356
 Ion Ratio Lower Upper
 63 100
 65 28.0 24.2 36.4



#46
 Dibromomethane
 Concen: 19.272 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 93 Resp: 7629
 Ion Ratio Lower Upper
 93 100
 95 83.6 63.9 95.9
 174 103.5 79.0 118.6





#47

Bromodichloromethane

Concen: 19.135 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

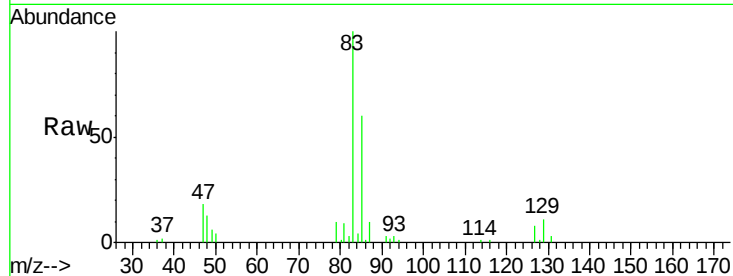
Tot Ion: 83 Resp: 21216

Ion Ratio Lower Upper

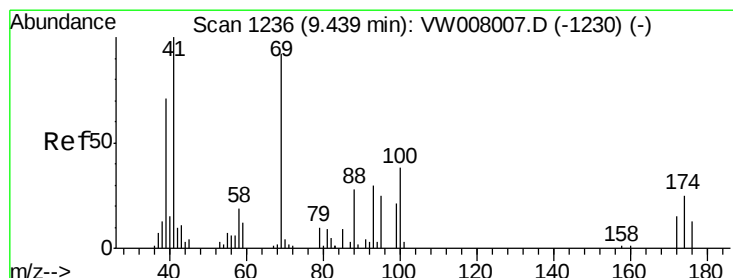
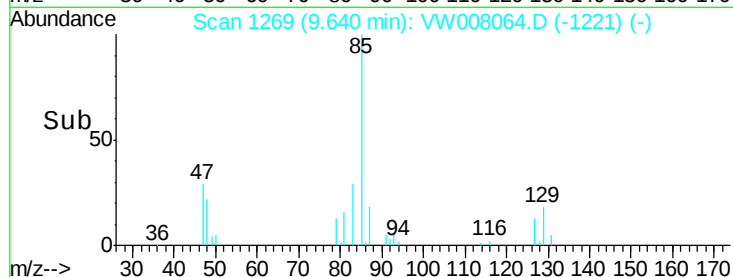
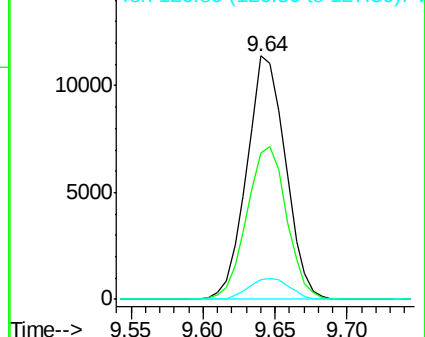
83 100

85 59.9 49.5 74.3

127 7.9 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 21.030 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

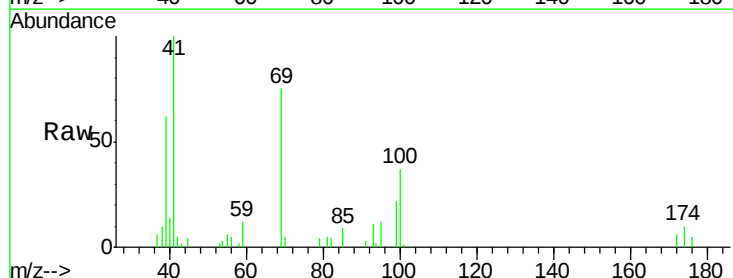
Tgt Ion: 41 Resp: 7546

Ion Ratio Lower Upper

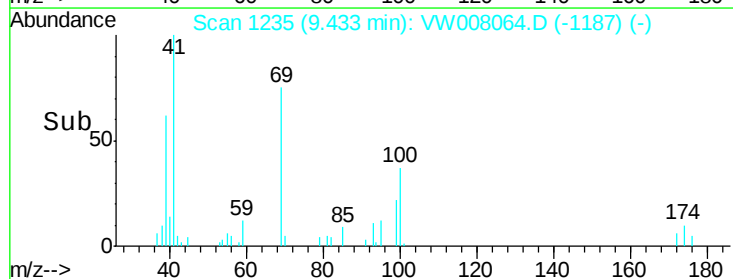
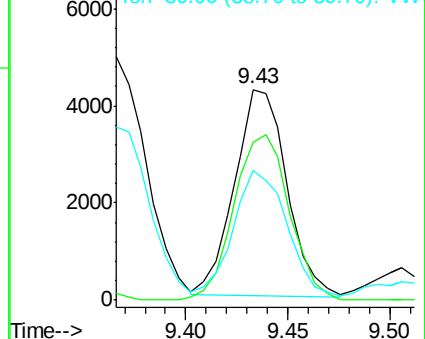
41 100

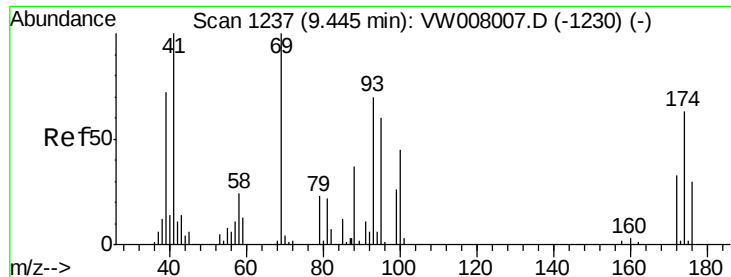
69 85.0 72.3 108.5

39 62.2 58.7 88.1



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





#49

1,4-Dioxane

Concen: 339.522 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

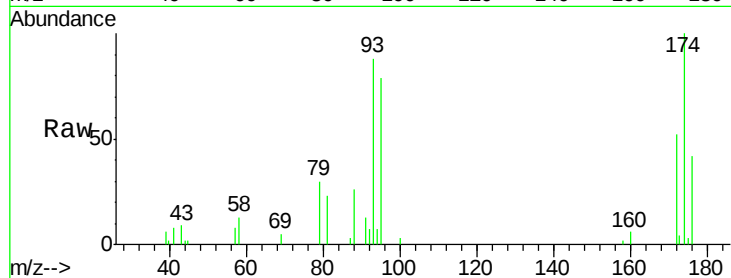
Tot Ion: 88 Resp: 1989

Ion Ratio Lower Upper

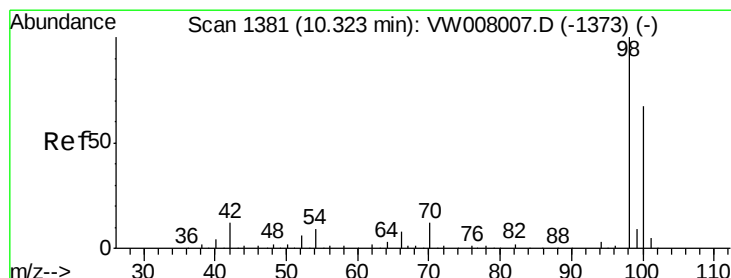
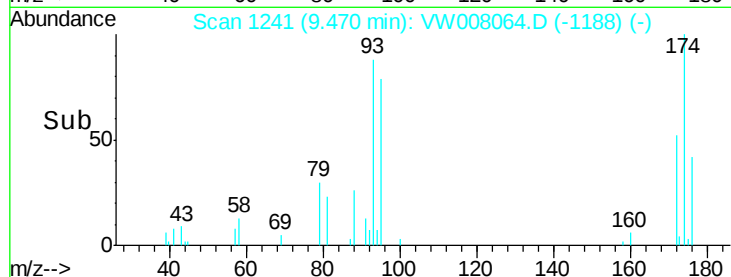
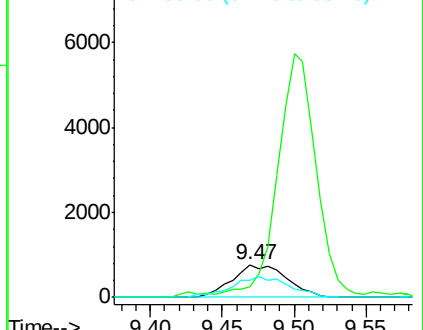
88 100

43 0.0 26.8 40.2#

58 68.3 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.641 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008064.D

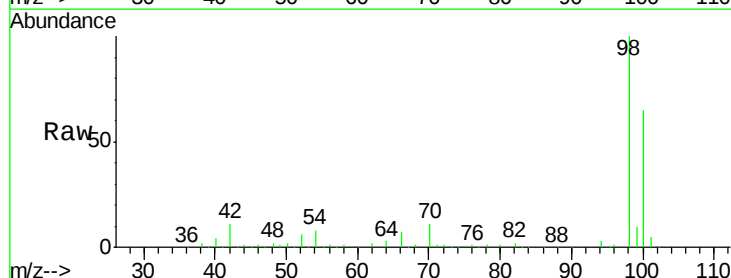
Acq: 07 Jan 2019 12:50

Tgt Ion: 98 Resp: 152477

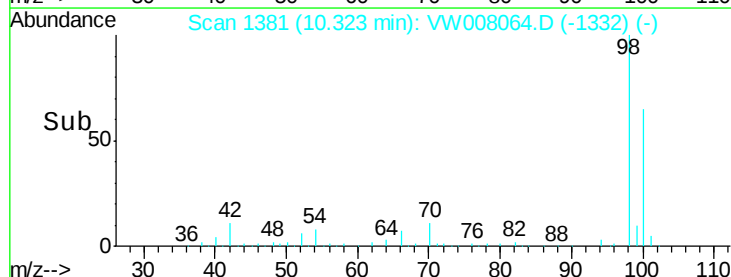
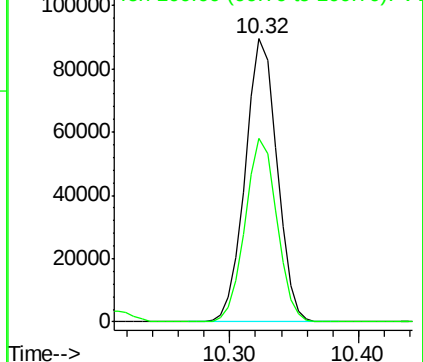
Ion Ratio Lower Upper

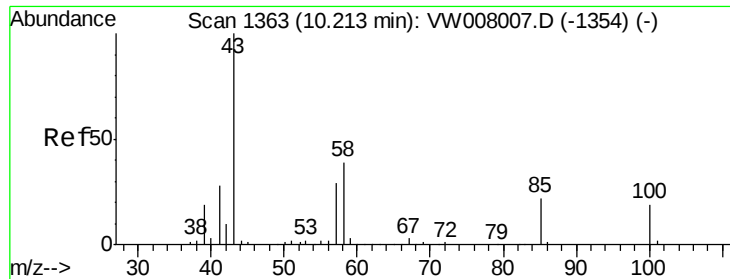
98 100

100 64.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 101.105 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

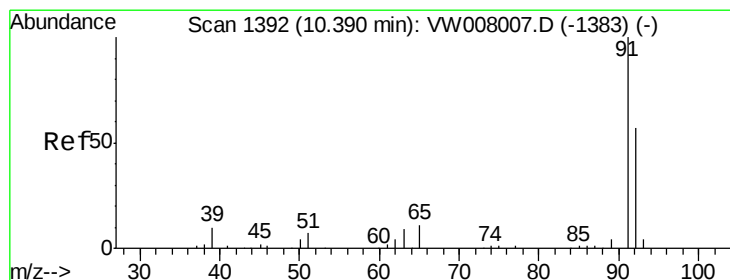
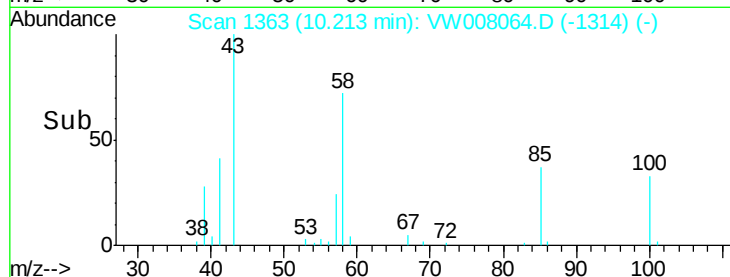
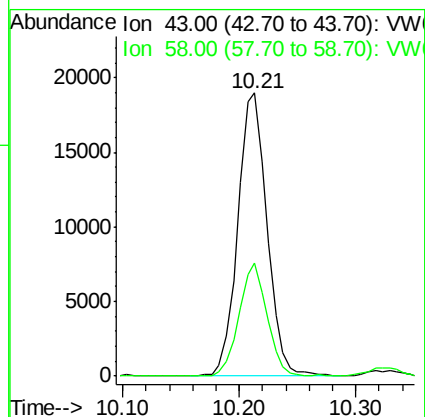
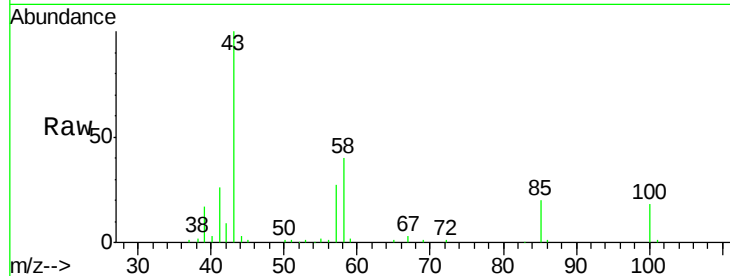
VW0107SBS01

Tot Ion: 43 Resp: 33306

Ion Ratio Lower Upper

43 100

58 38.0 32.0 48.0



#52

Toluene

Concen: 20.051 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008064.D

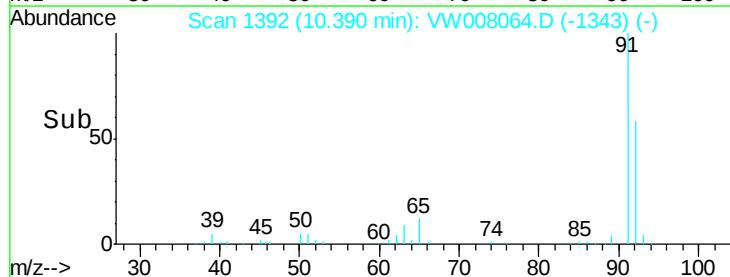
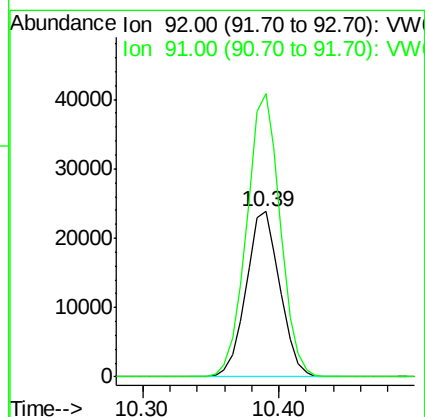
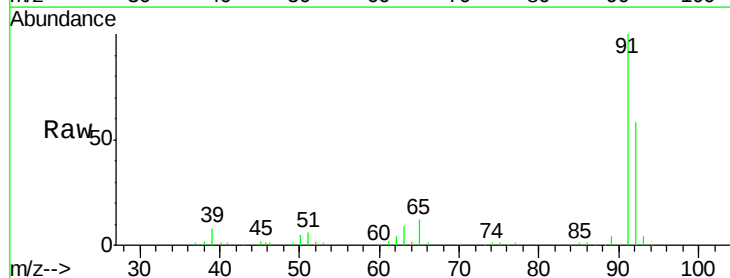
Acq: 07 Jan 2019 12:50

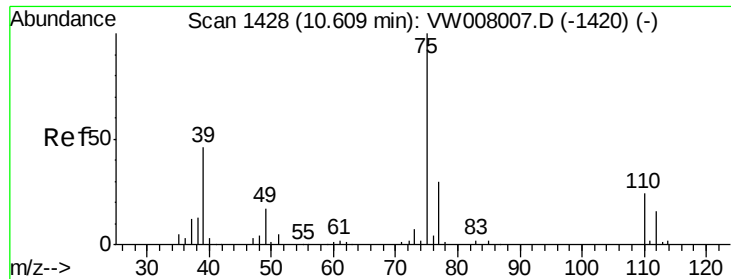
Tgt Ion: 92 Resp: 41408

Ion Ratio Lower Upper

92 100

91 170.2 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 19.745 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampled :

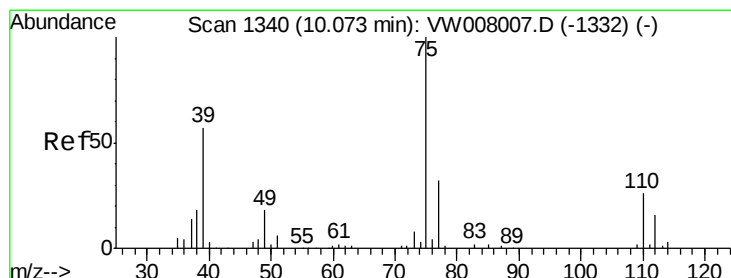
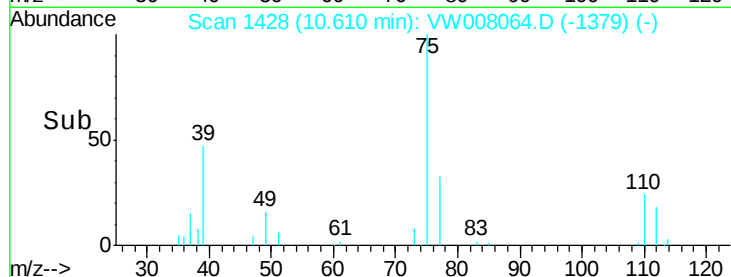
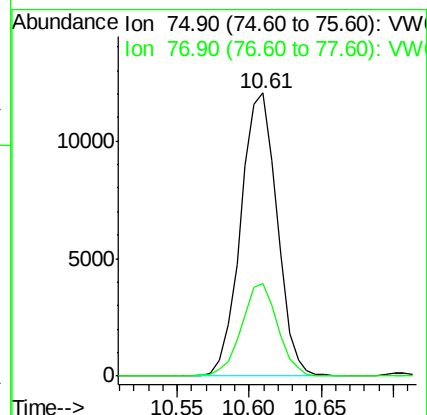
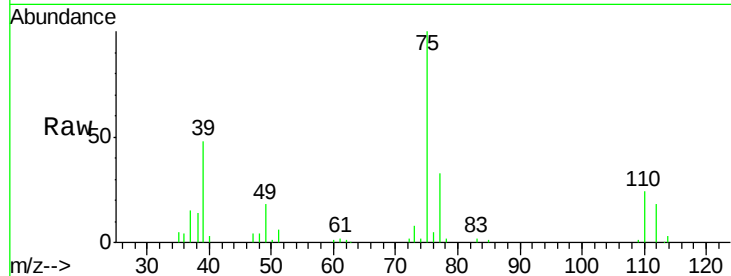
VW0107SBS01

Tot Ion: 75 Resp: 21052

Ion Ratio Lower Upper

75 100

77 32.7 24.0 36.0



#54

cis-1,3-Dichloropropene

Concen: 19.894 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

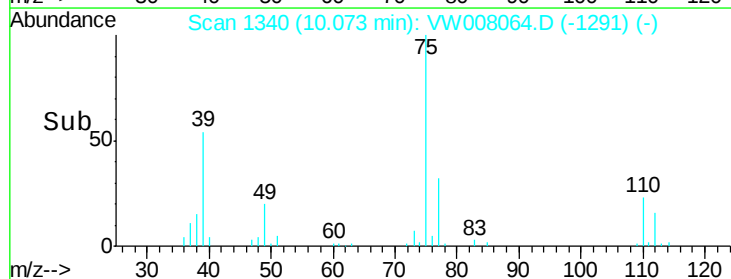
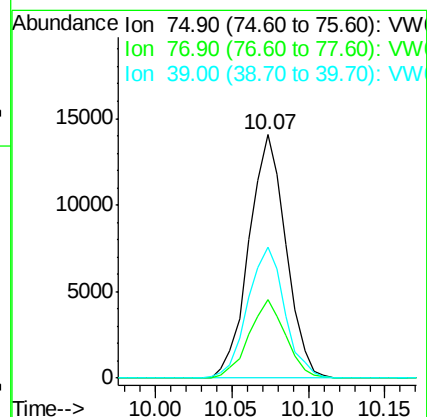
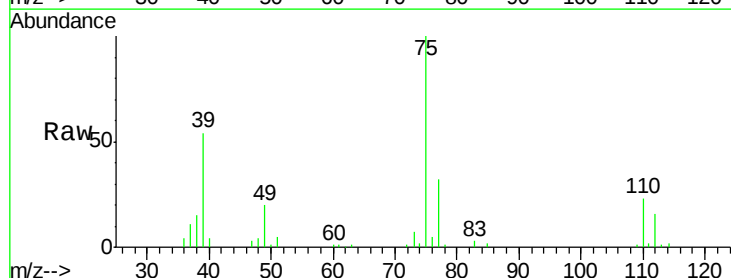
Tgt Ion: 75 Resp: 23668

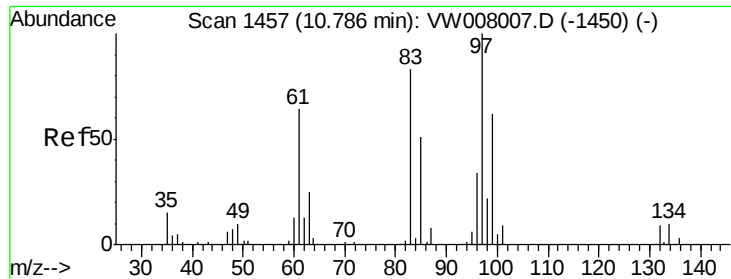
Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9

39 54.0 45.4 68.0

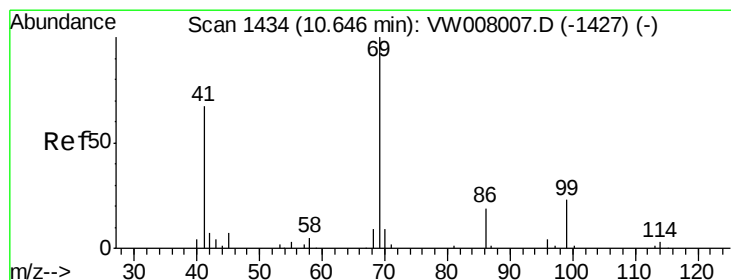
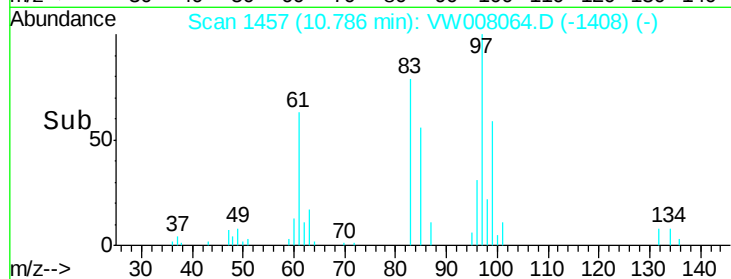
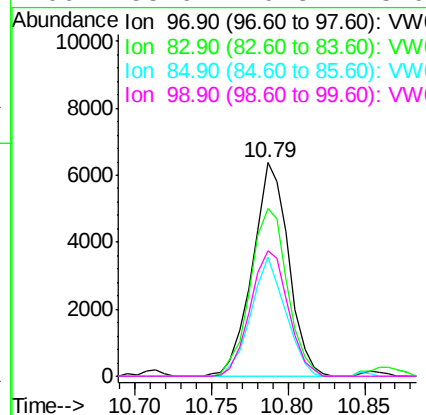
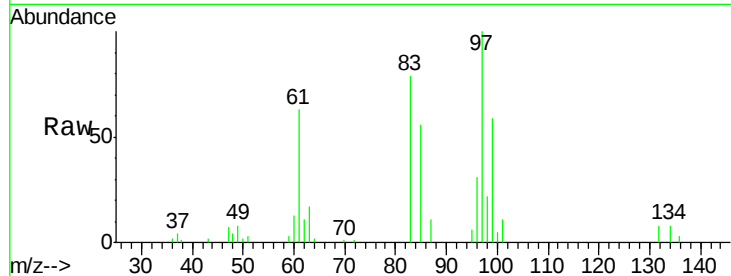




#55
 1,1,2-Trichloroethane
 Concen: 19.516 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

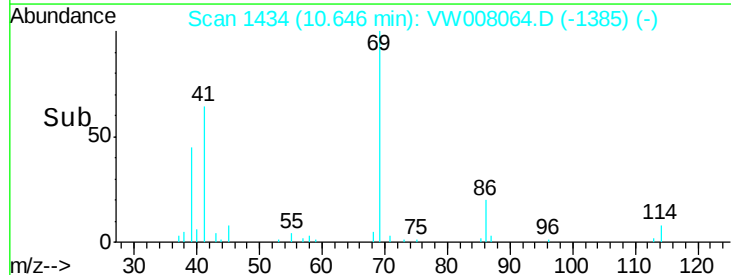
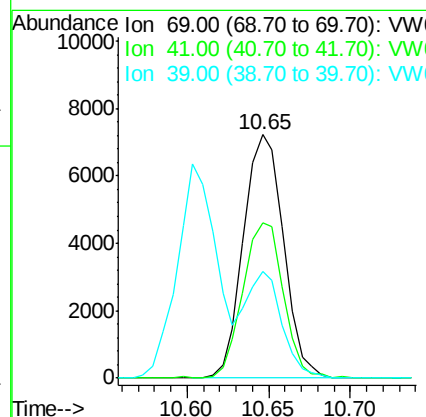
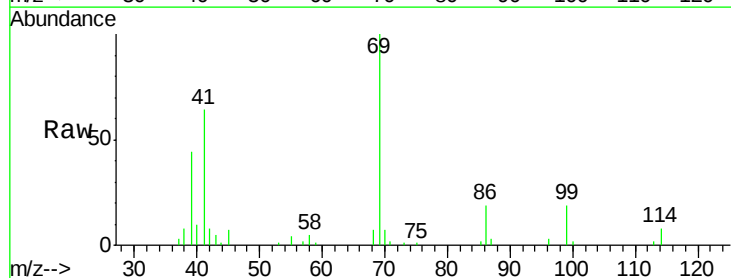
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

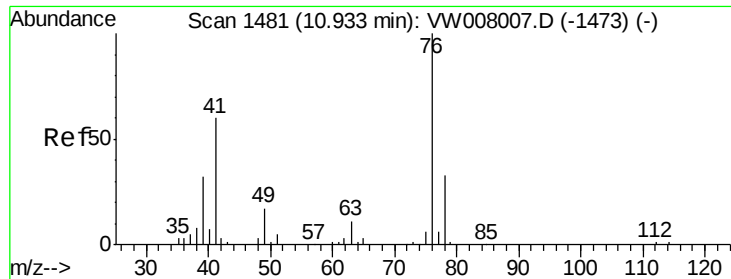
Tot Ion:	97	Resp:	10460
Ion	Ratio	Lower	Upper
97	100		
83	78.7	66.2	99.2
85	55.9	41.0	61.4
99	58.6	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 20.435 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion:	69	Resp:	12382
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.6	79.0
39	40.4	35.8	53.6

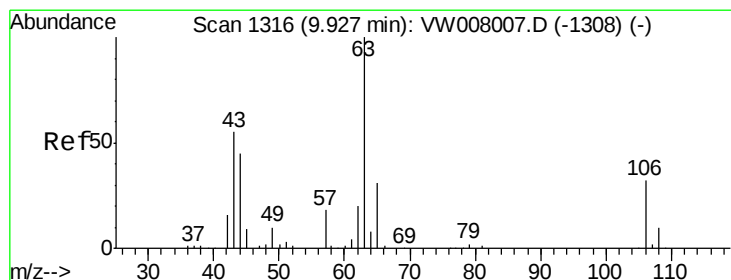
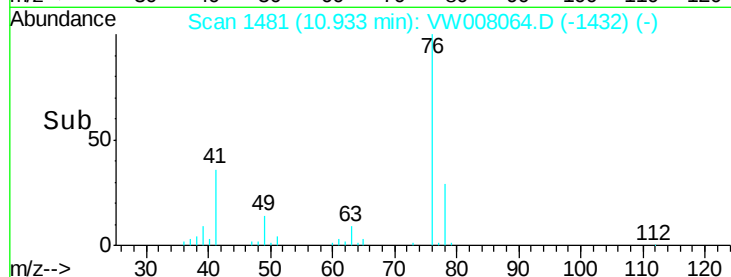
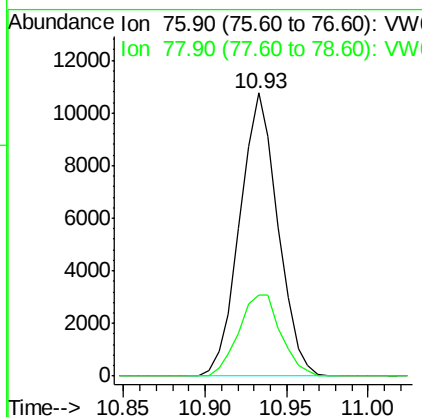
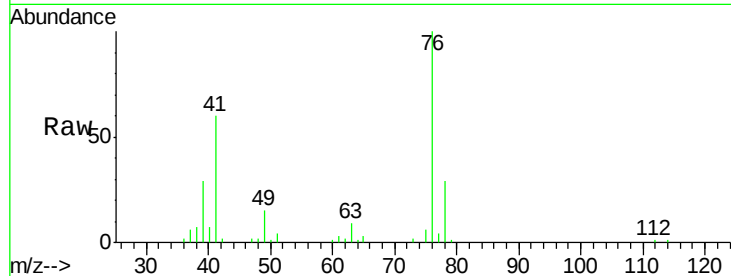




#57
 1,3-Dichloropropane
 Concen: 19.207 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

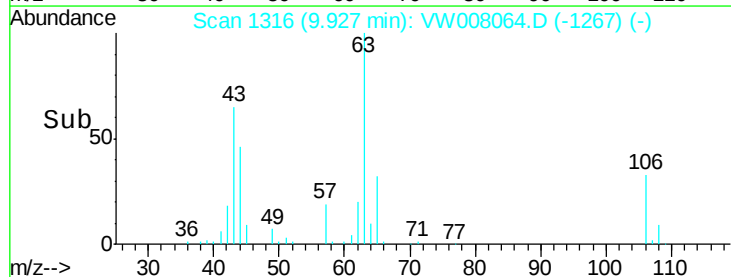
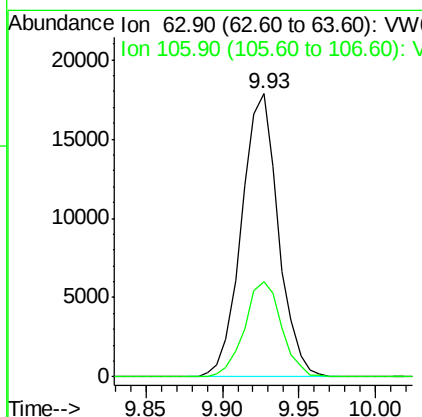
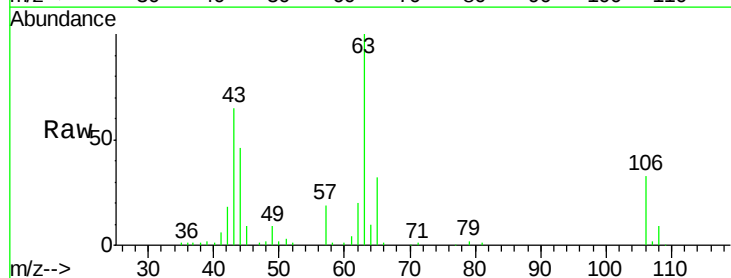
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

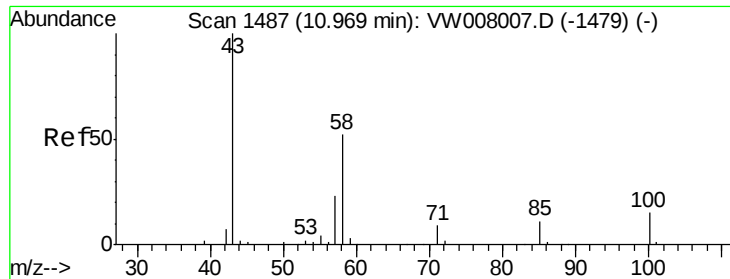
Tot Ion: 76 Resp: 17492
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.7 40.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.815 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 63 Resp: 29833
 Ion Ratio Lower Upper
 63 100
 106 33.7 26.9 40.3





#59

2-Hexanone

Concen: 93.955 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

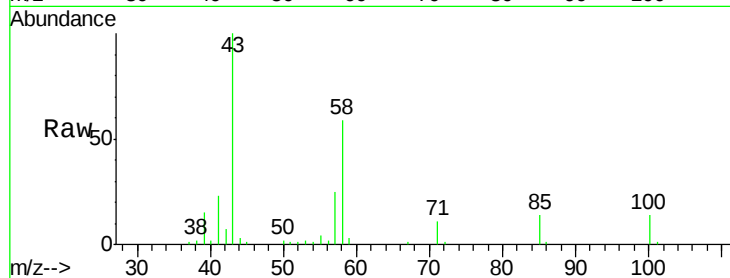
VW0107SBS01

Tot Ion: 43 Resp: 21367

Ion Ratio Lower Upper

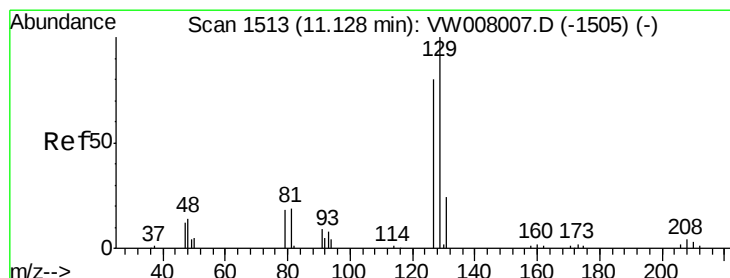
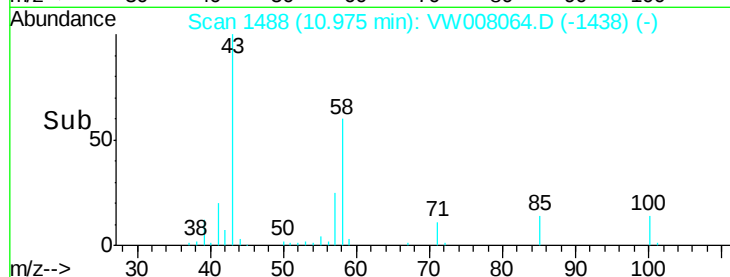
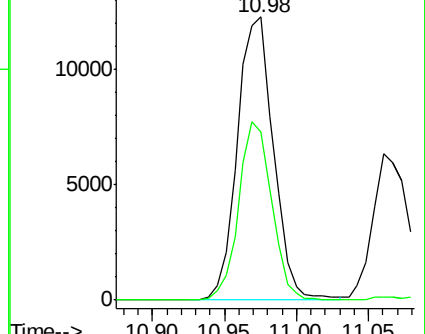
43 100

58 57.6 27.1 81.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#60

Dibromochloromethane

Concen: 17.766 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW008064.D

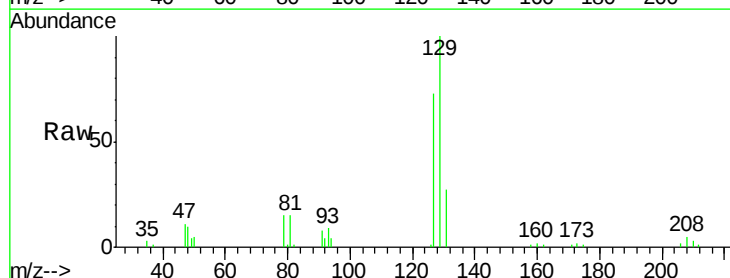
Acq: 07 Jan 2019 12:50

Tgt Ion: 129 Resp: 13034

Ion Ratio Lower Upper

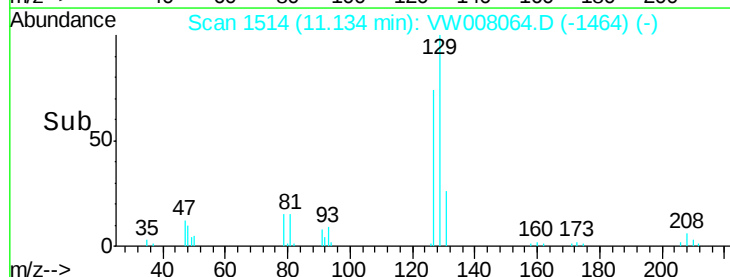
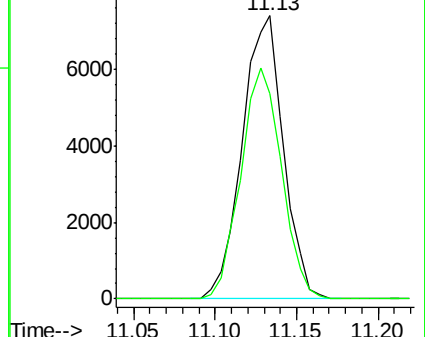
129 100

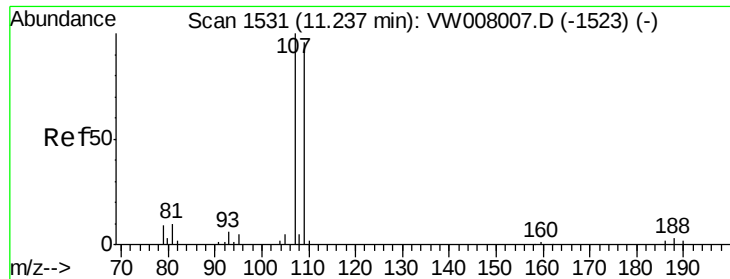
127 81.0 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

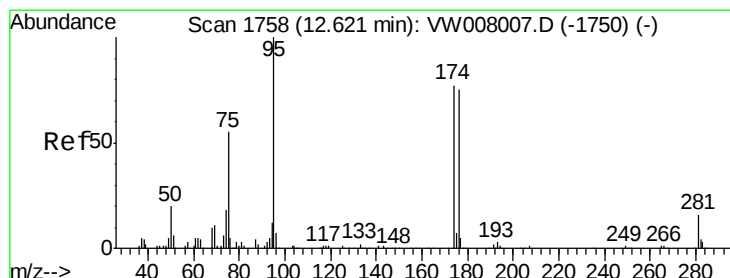
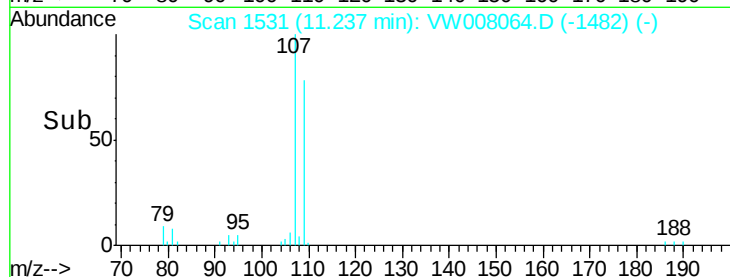
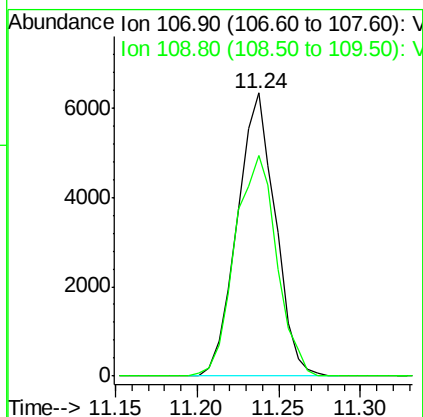
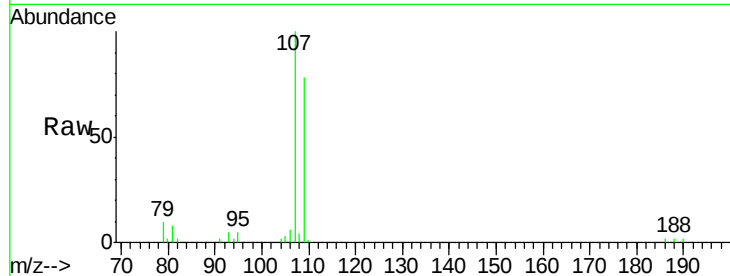




#61
 1,2-Dibromoethane
 Concen: 19.207 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

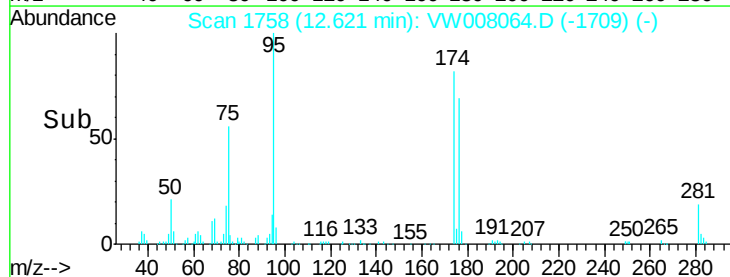
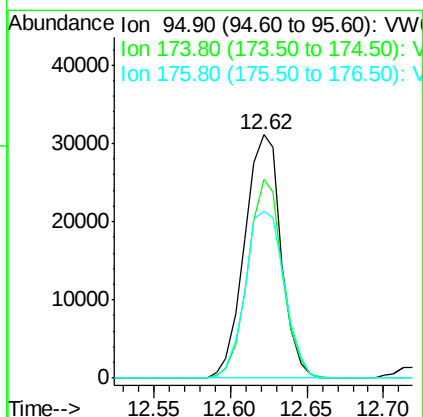
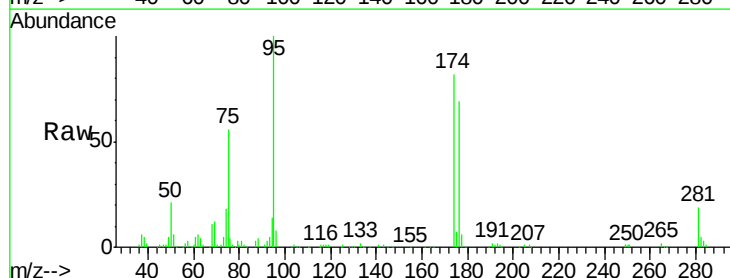
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

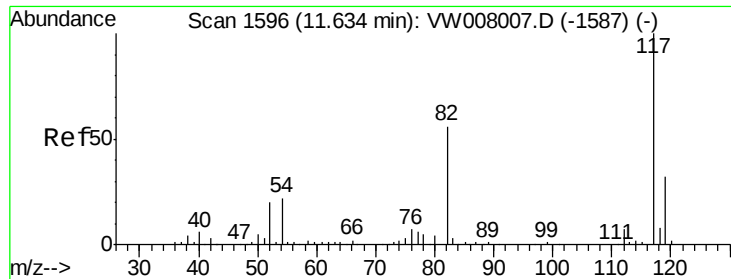
Tot Ion:107 Resp: 10302
 Ion Ratio Lower Upper
 107 100
 109 85.8 77.2 115.8



#62
 4-Bromofluorobenzene
 Concen: 47.169 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 95 Resp: 51420
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 149.6
 176 73.8 0.0 145.4

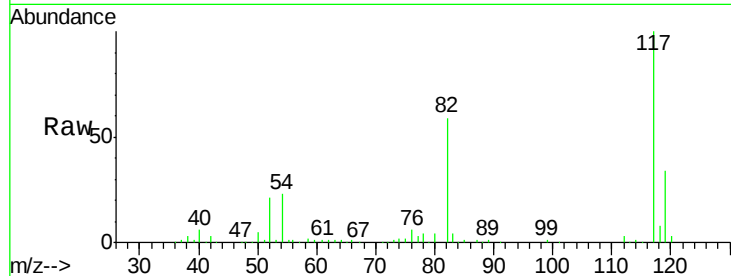




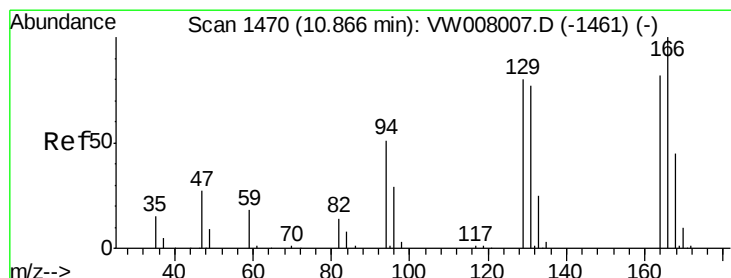
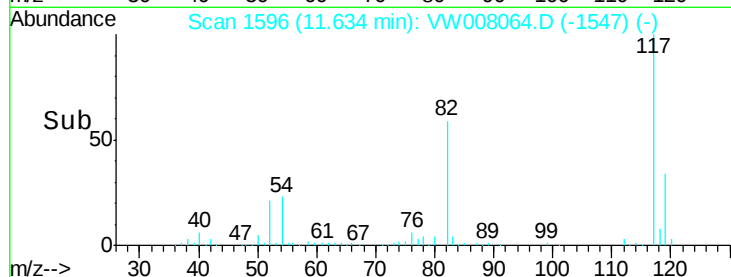
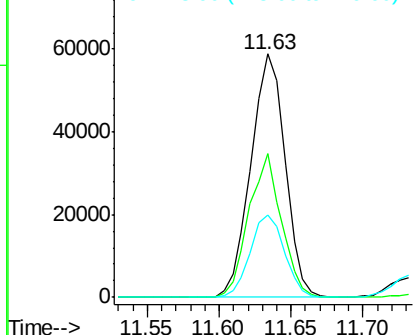
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion:117 Resp: 96734
Ion Ratio Lower Upper
117 100
82 59.2 44.8 67.2
119 33.8 25.6 38.4



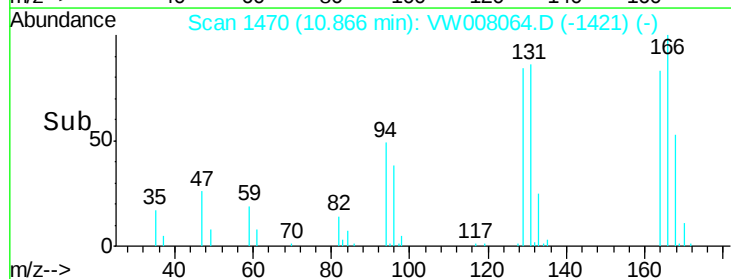
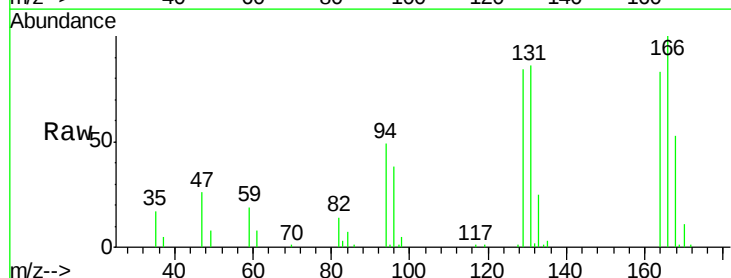
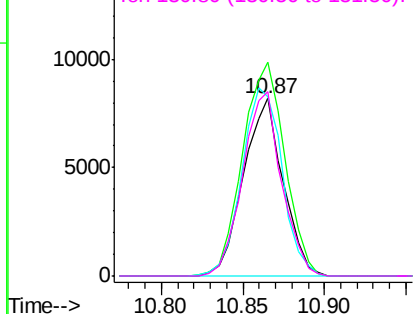
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

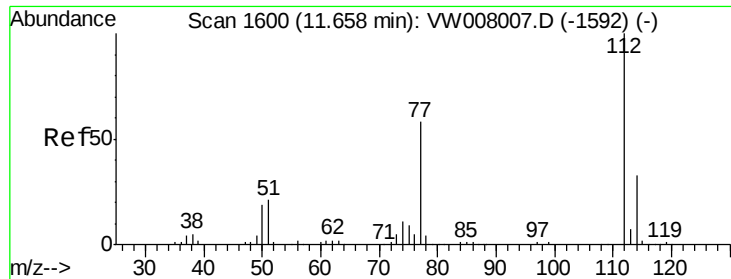


#64
Tetrachloroethene
Concen: 20.649 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:164 Resp: 13798
Ion Ratio Lower Upper
164 100
166 120.2 98.1 147.1
129 100.6 78.0 117.0
131 103.5 75.8 113.8

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

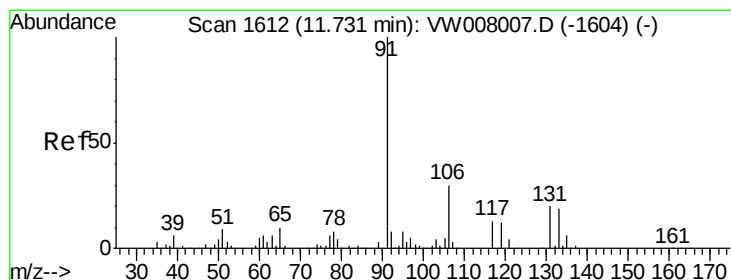
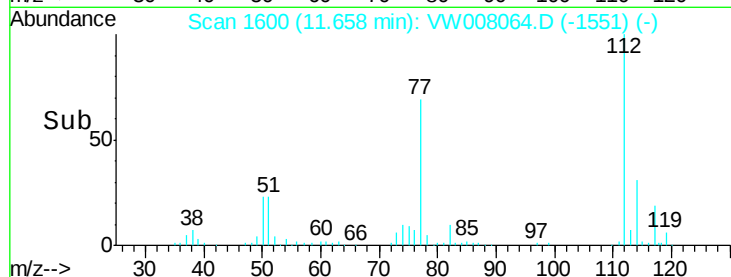
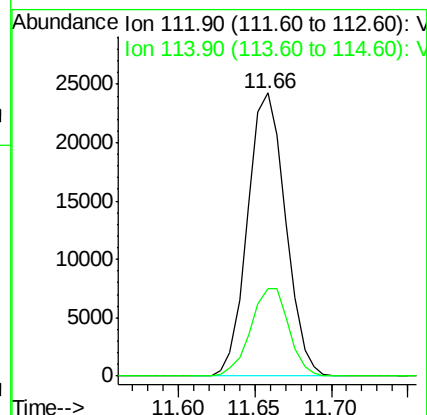
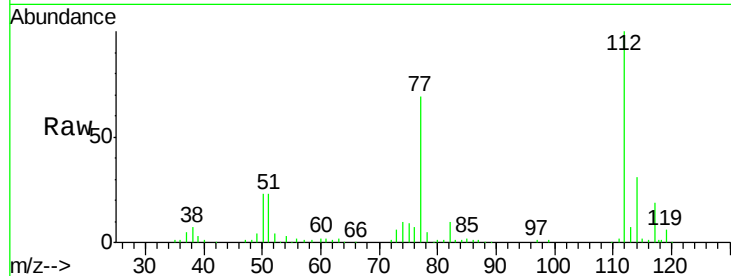




#65
Chlorobenzene
Concen: 20.279 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

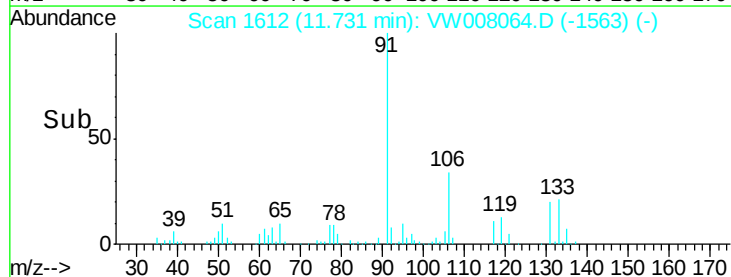
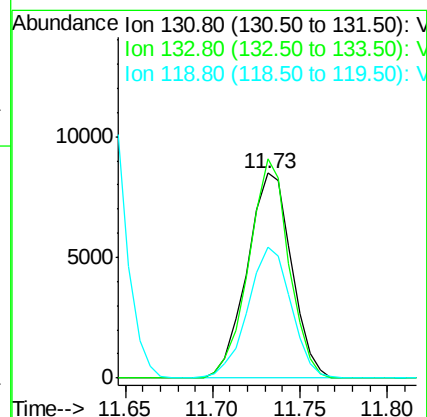
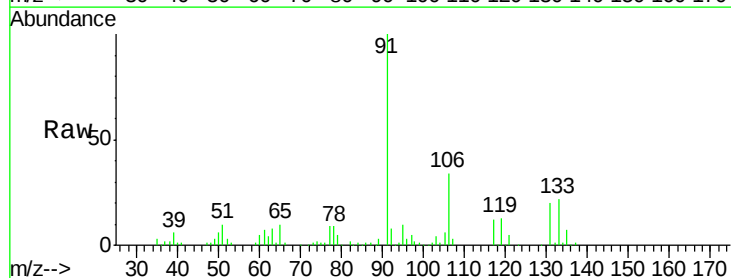
Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

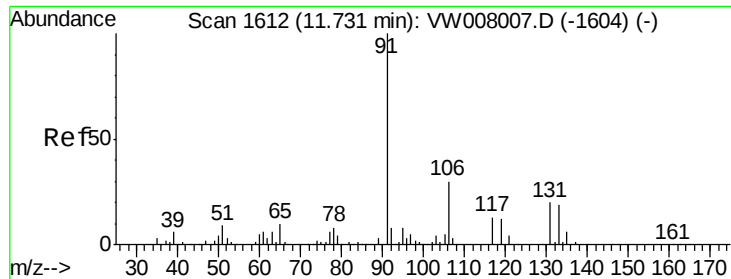
Tot Ion:112 Resp: 41925
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.977 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:131 Resp: 14956
Ion Ratio Lower Upper
131 100
133 96.6 49.1 147.3
119 62.4 30.6 91.6

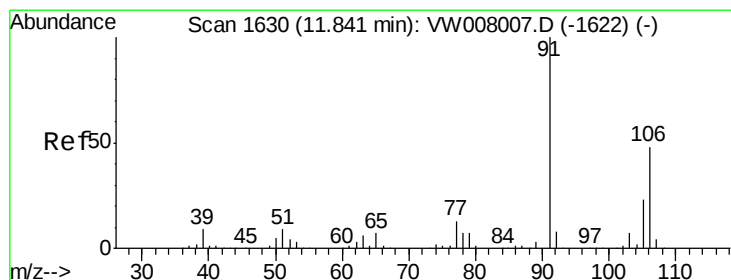
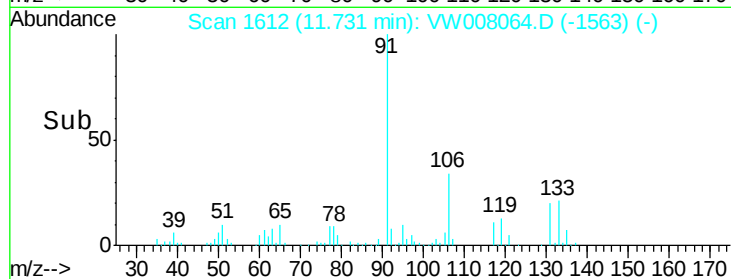
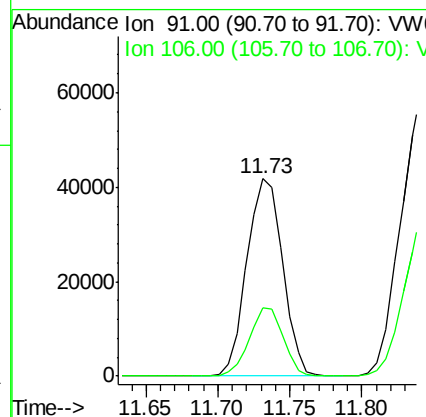
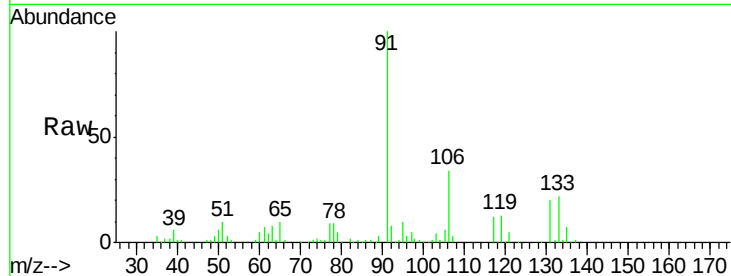




#67
Ethyl Benzene
Concen: 19.606 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

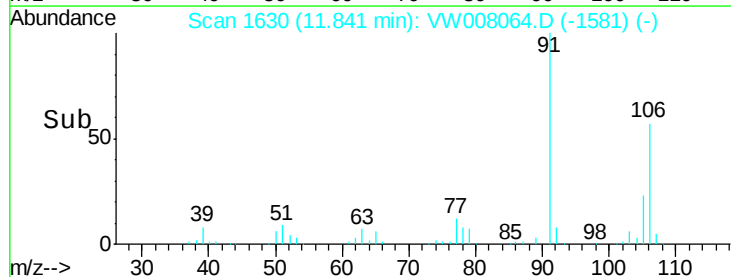
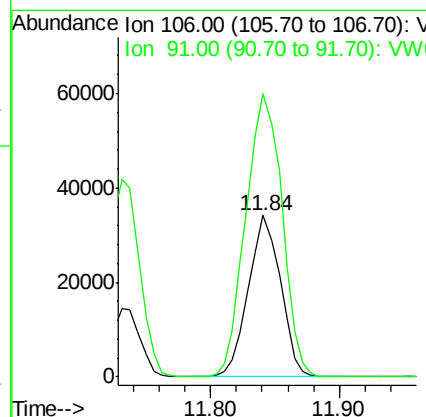
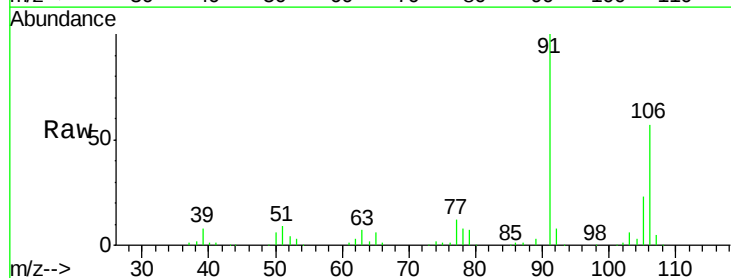
Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

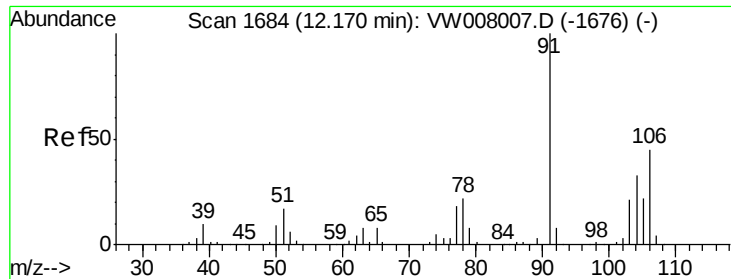
Tot Ion: 91 Resp: 71946
Ion Ratio Lower Upper
91 100
106 34.4 24.3 36.5



#68
m/p-Xylenes
Concen: 41.815 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 106 Resp: 59323
Ion Ratio Lower Upper
106 100
91 197.4 165.8 248.8

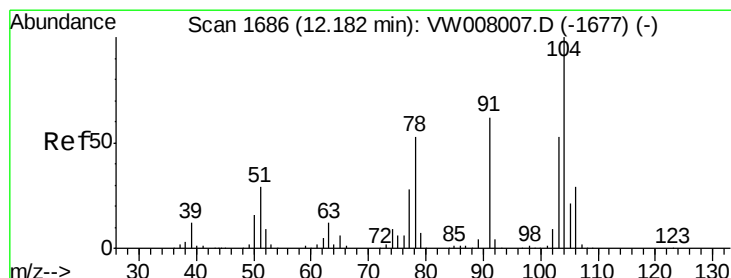
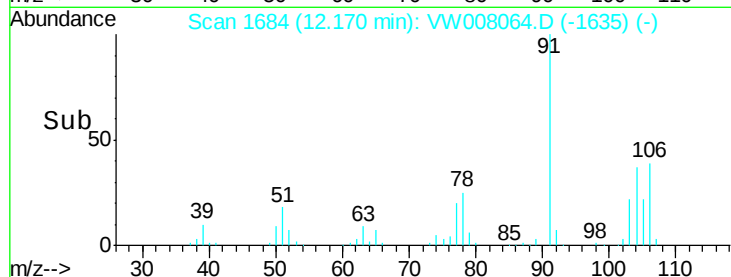
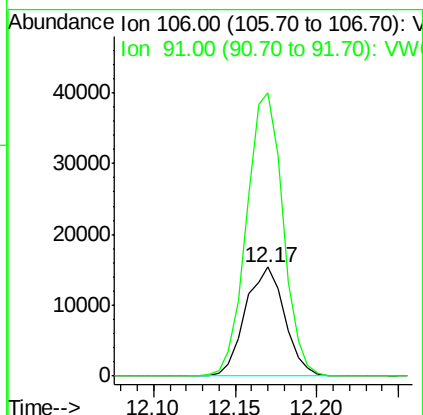
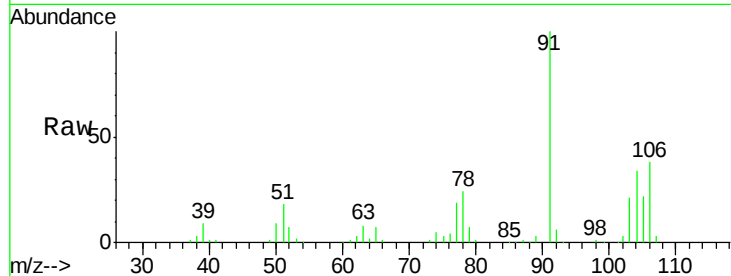




#69
o-Xylene
Concen: 19.511 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

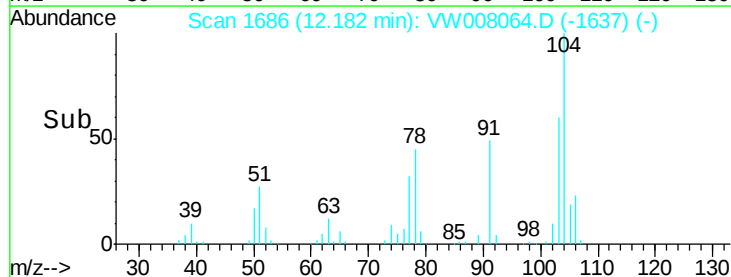
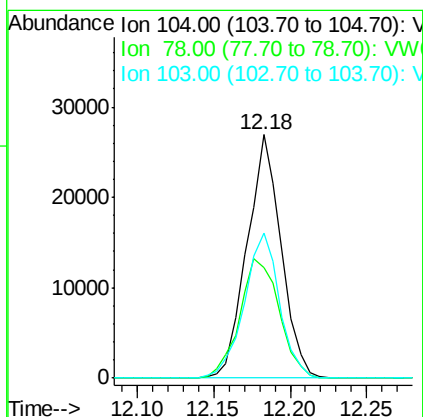
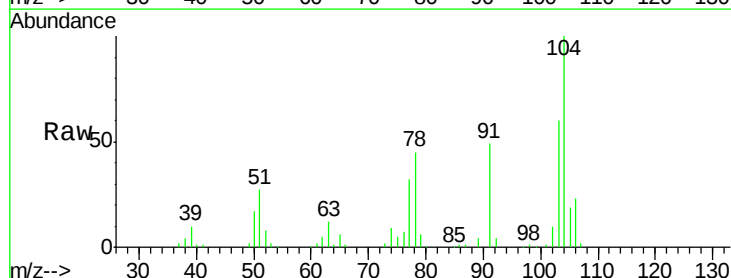
Instrument :
MSVOA_W
ClientSampled :
VW0107SBS01

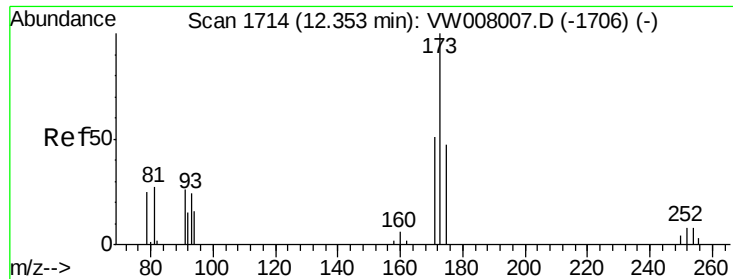
Tot Ion:106 Resp: 25756
Ion Ratio Lower Upper
106 100
91 241.6 110.6 331.6



#70
Styrene
Concen: 19.402 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:104 Resp: 41745
Ion Ratio Lower Upper
104 100
78 57.0 44.0 66.0
103 61.5 44.6 66.8





#71

Bromoform

Concen: 19.140 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

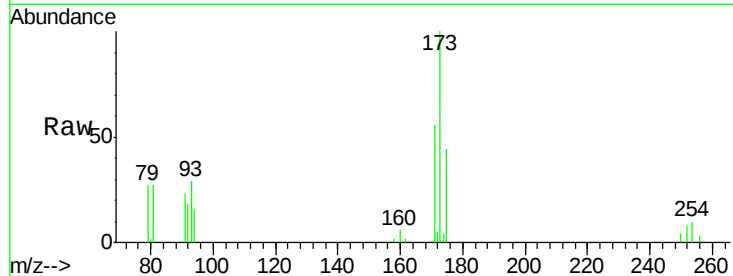
Tot Ion:173 Resp: 6639

Ion Ratio Lower Upper

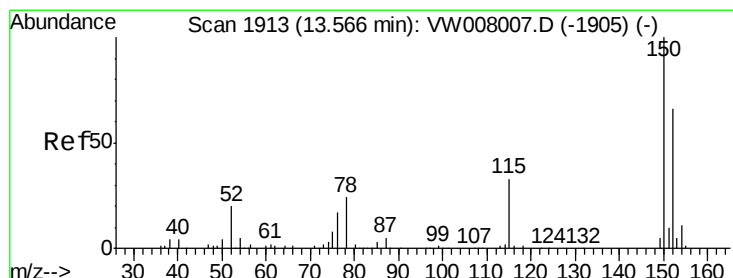
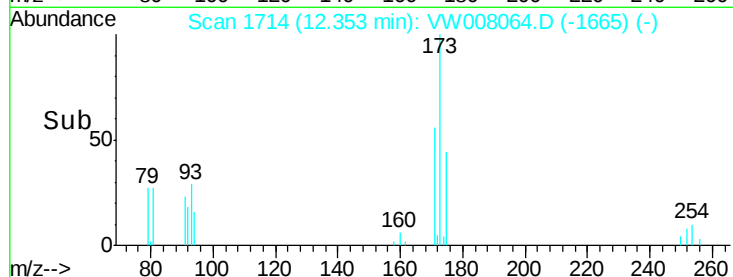
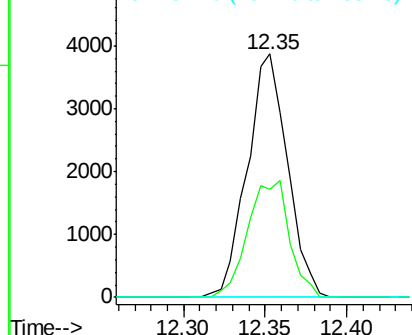
173 100

175 49.4 23.6 71.0

254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

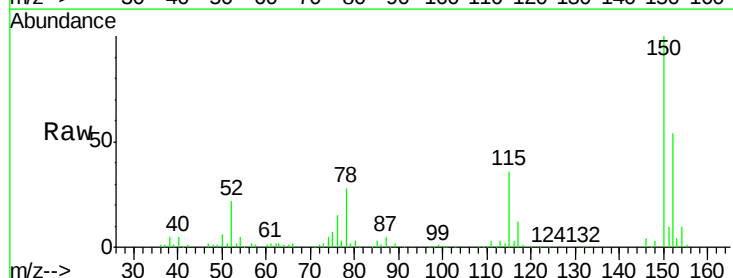
Tgt Ion:152 Resp: 46565

Ion Ratio Lower Upper

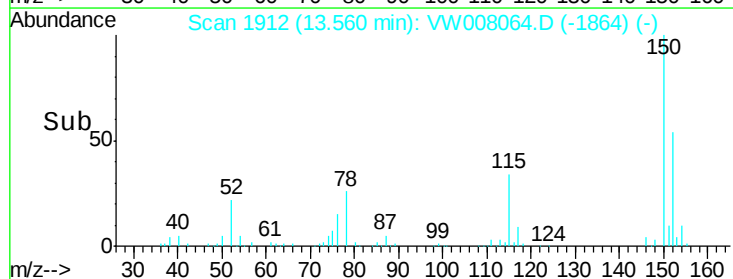
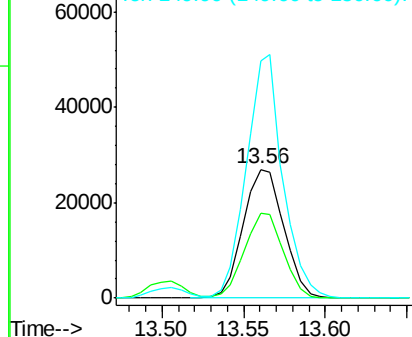
152 100

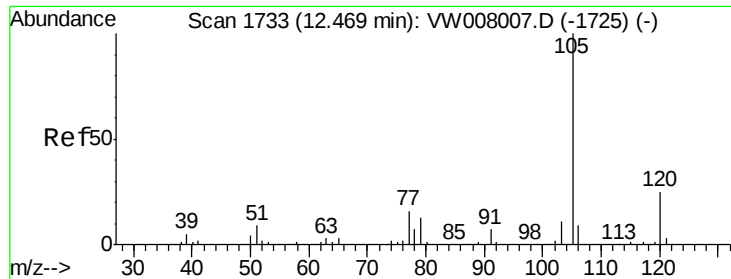
115 62.9 32.1 96.5

150 170.6 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.292 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

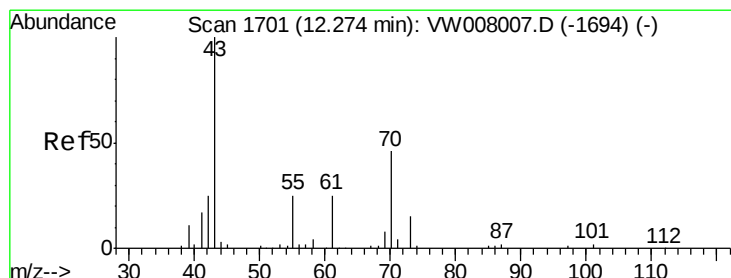
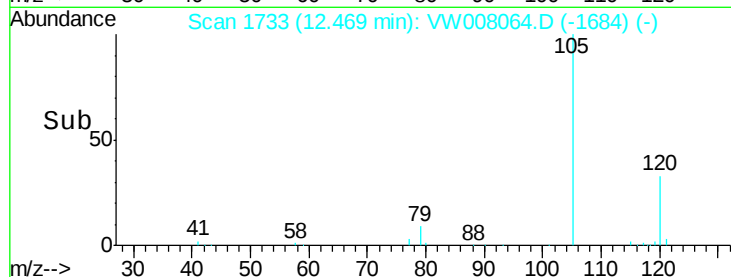
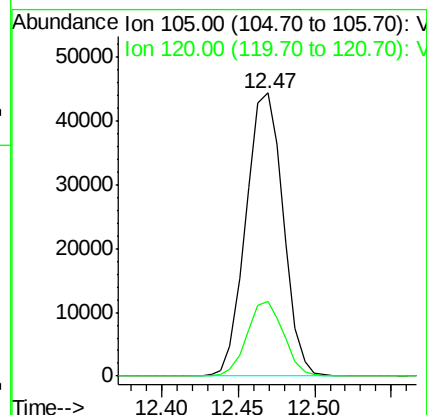
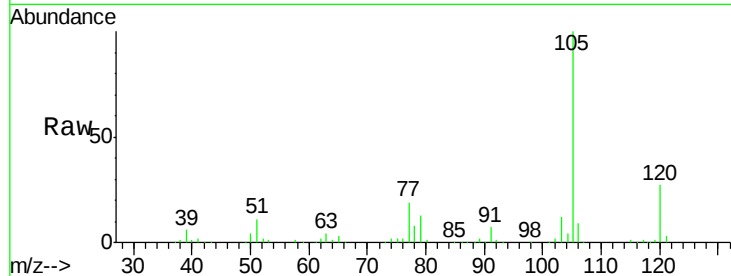
VW0107SBS01

Tot Ion:105 Resp: 75137

Ion Ratio Lower Upper

105 100

120 25.9 12.8 38.3



#74

N-ethyl acetate

Concen: 20.608 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Tgt Ion: 43 Resp: 11878

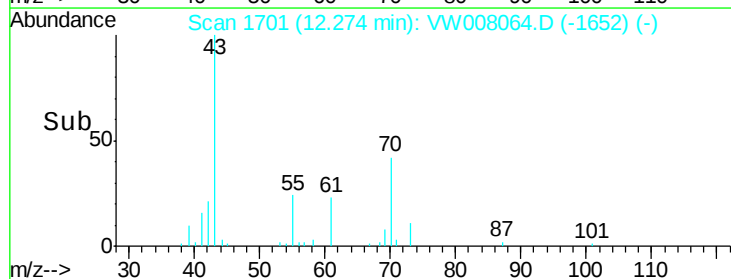
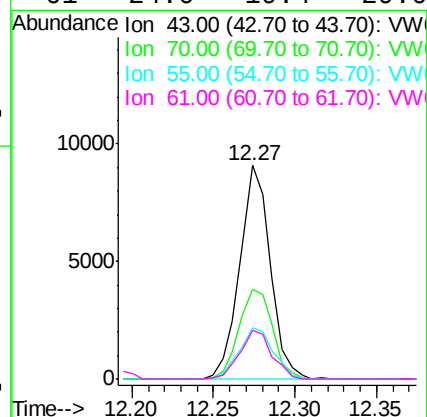
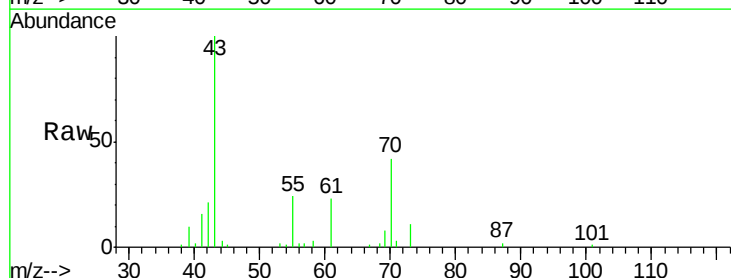
Ion Ratio Lower Upper

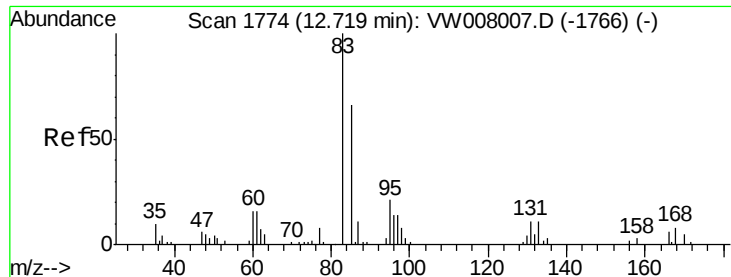
43 100

70 46.2 35.2 52.8

55 26.7 21.4 32.0

61 24.0 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.121 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

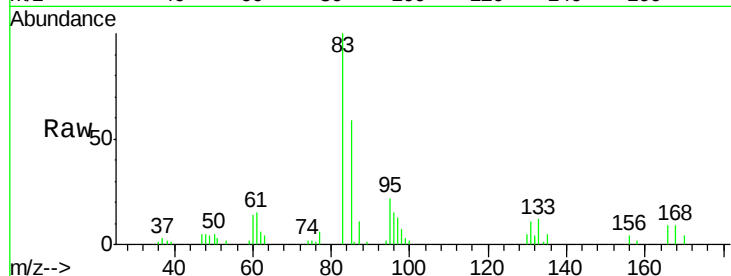
Tot Ion: 83 Resp: 10422

Ion Ratio Lower Upper

83 100

131 12.3 6.5 19.5

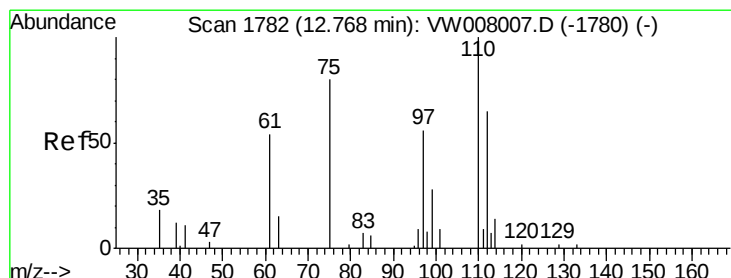
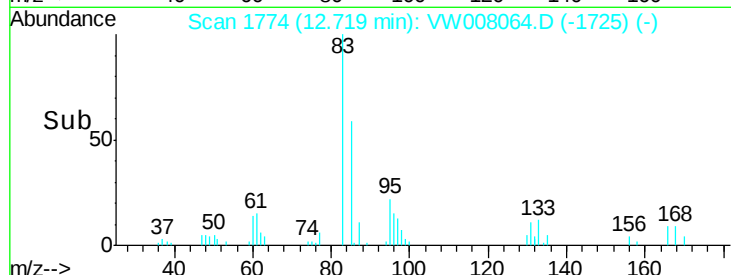
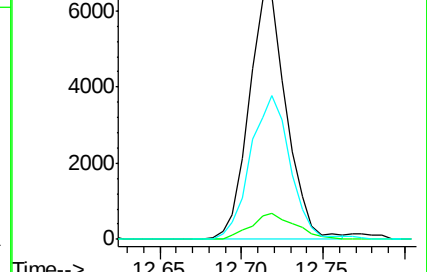
85 61.0 32.8 98.3



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: 39.236 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008064.D

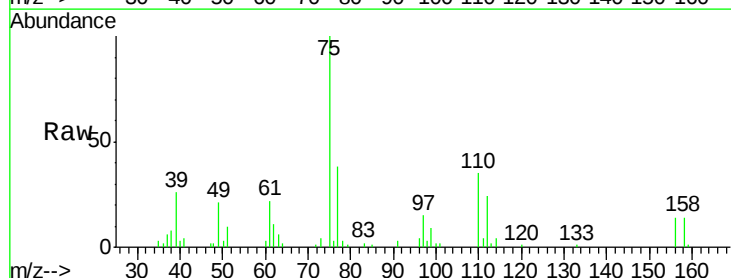
Acq: 07 Jan 2019 12:50

Tgt Ion: 75 Resp: 14535

Ion Ratio Lower Upper

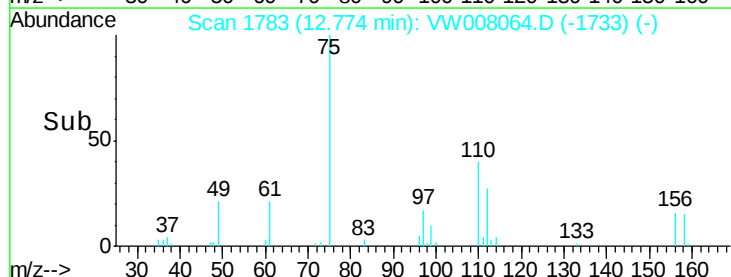
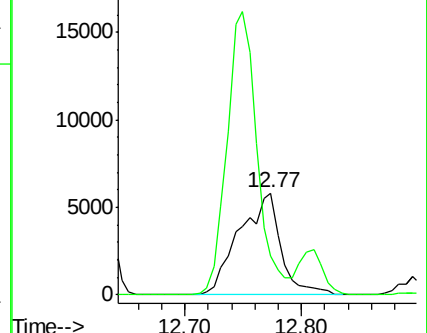
75 100

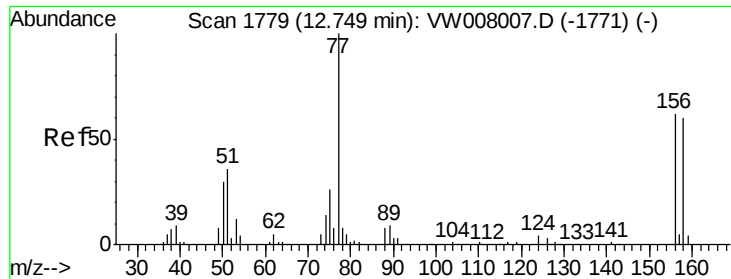
77 0.0 186.2 558.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.459 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

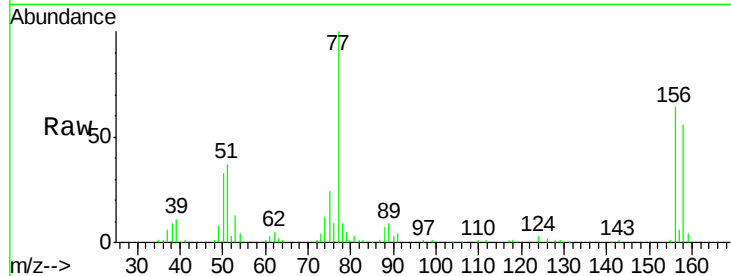
Tot Ion:156 Resp: 17078

Ion Ratio Lower Upper

156 100

77 171.5 87.9 263.8

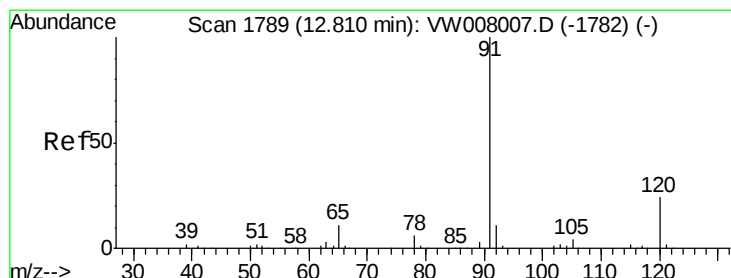
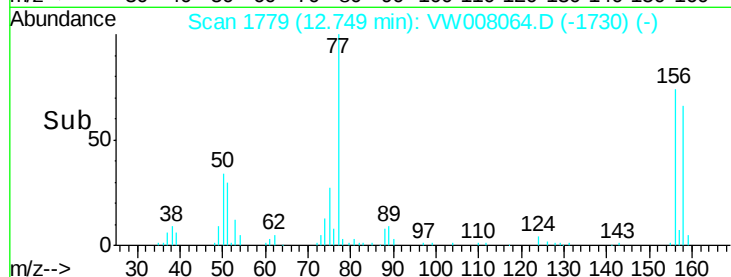
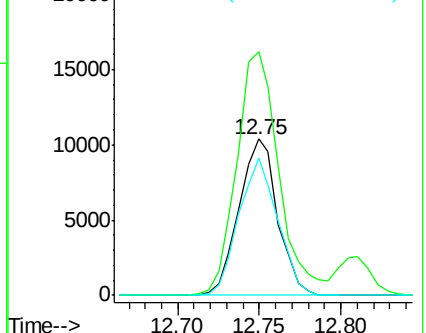
158 88.4 47.8 143.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.668 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008064.D

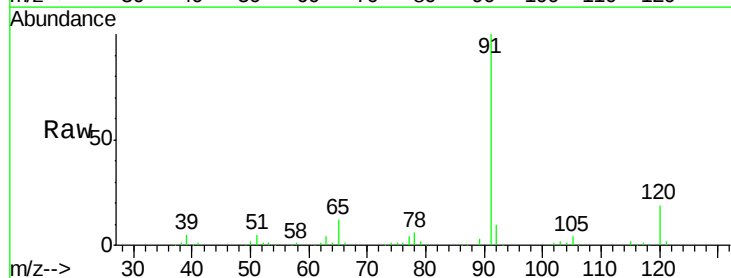
Acq: 07 Jan 2019 12:50

Tgt Ion: 91 Resp: 88726

Ion Ratio Lower Upper

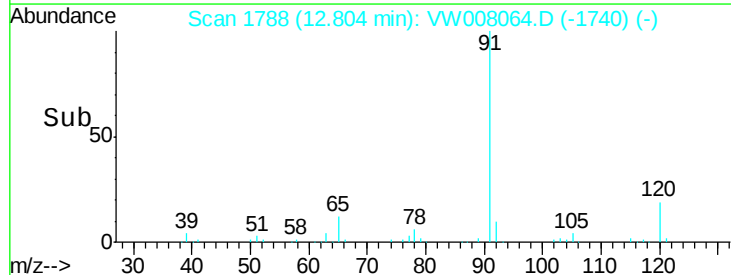
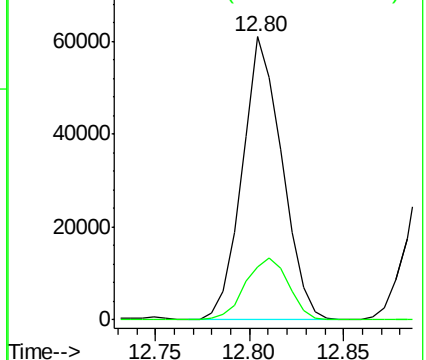
91 100

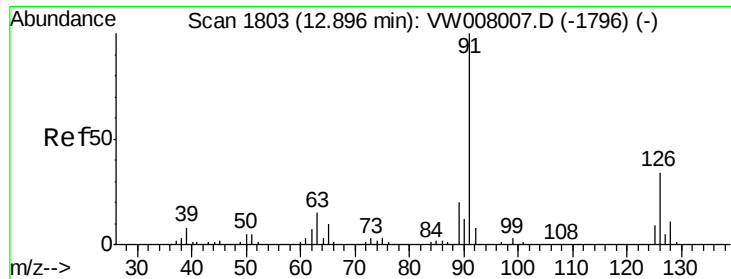
120 23.7 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

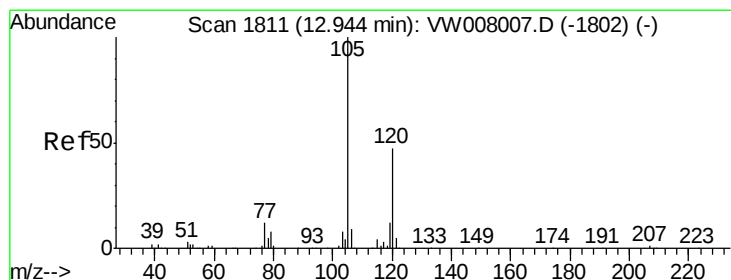
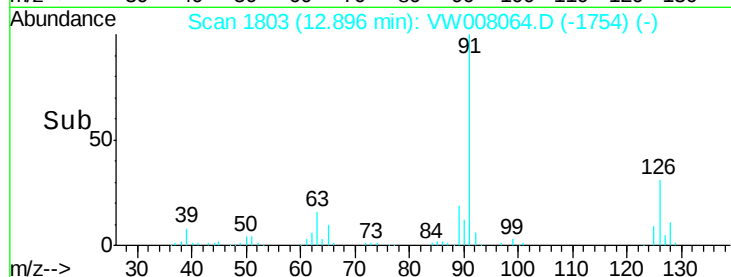
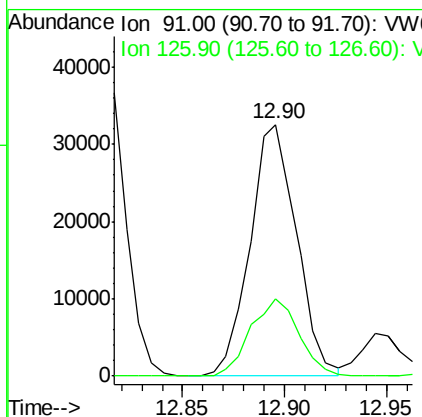
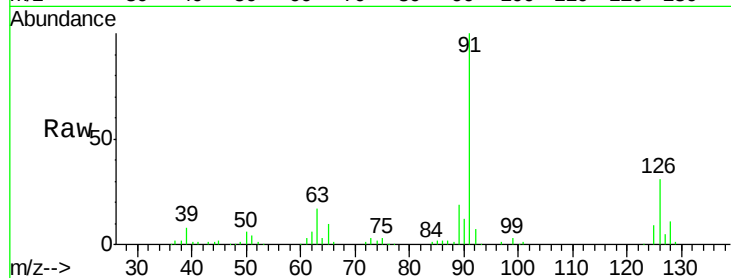




#79
 2-Chlorotoluene
 Concen: 20.715 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

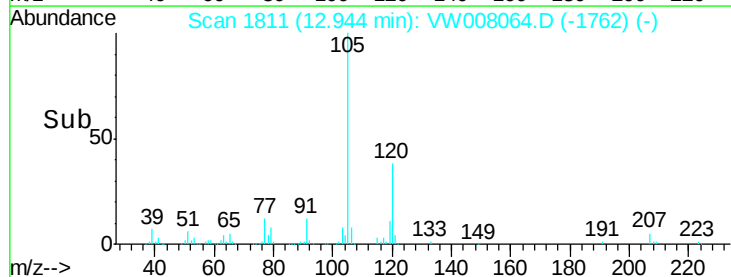
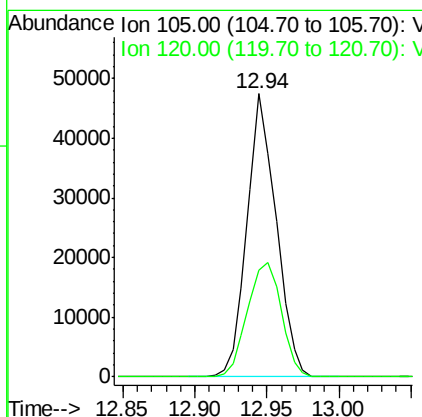
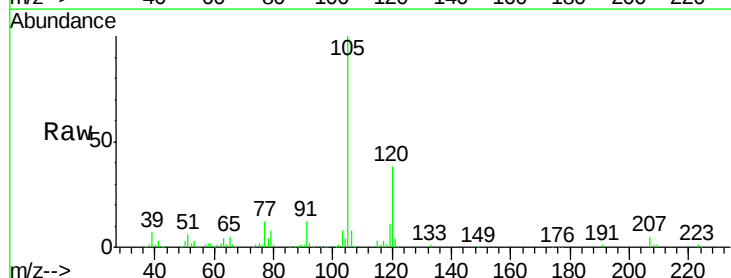
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

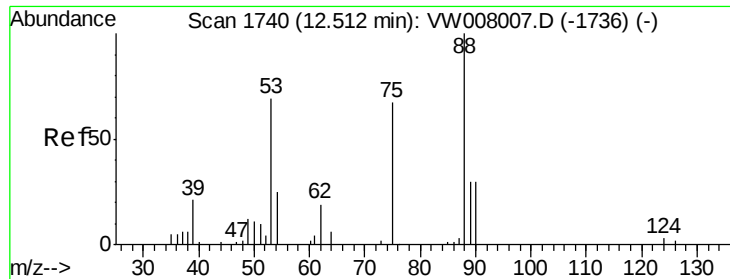
Tot Ion: 91 Resp: 51397
 Ion Ratio Lower Upper
 91 100
 126 32.1 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.828 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion: 105 Resp: 66383
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.9

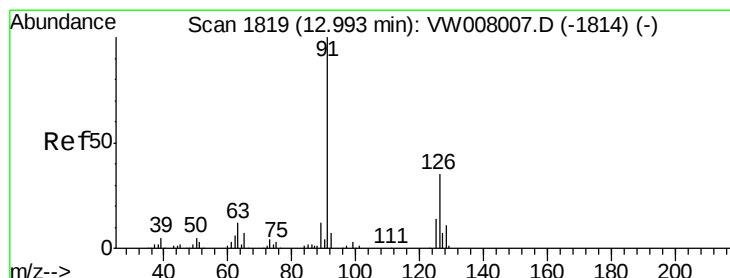
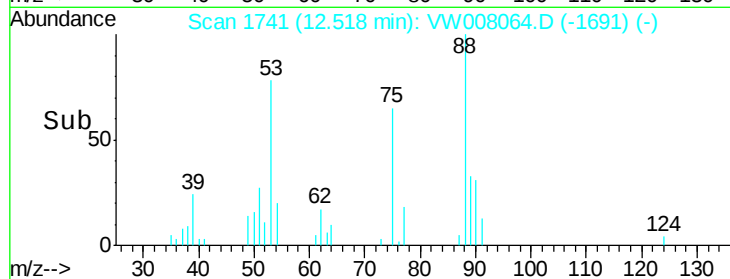
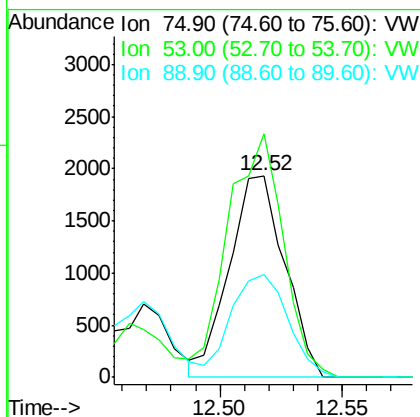
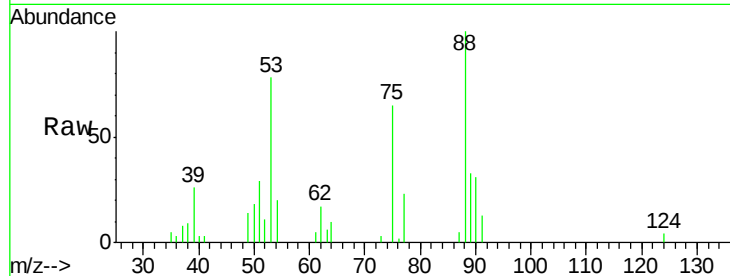




#81
trans-1,4-Dichloro-2-butene
Concen: 19.496 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

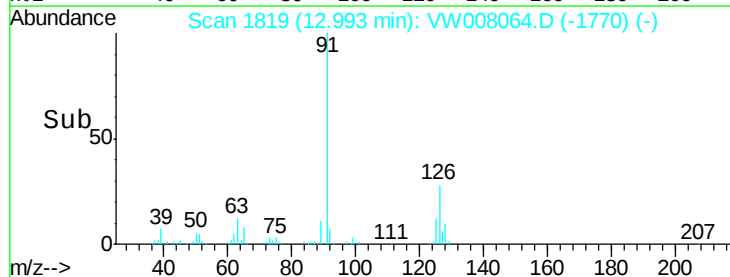
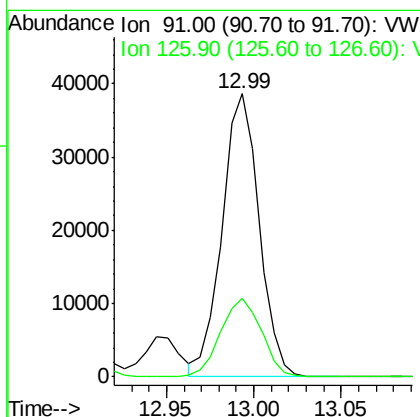
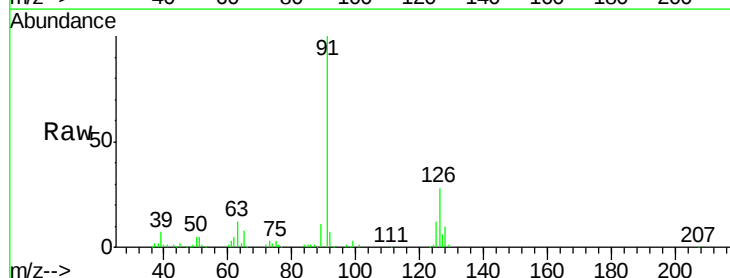
Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

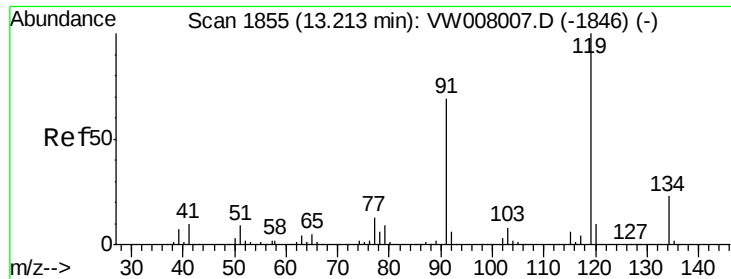
Tot Ion: 75 Resp: 3054
Ion Ratio Lower Upper
75 100
53 120.2 87.6 131.4
89 52.2 42.2 63.2



#82
4-Chlorotoluene
Concen: 21.577 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion: 91 Resp: 56928
Ion Ratio Lower Upper
91 100
126 30.5 16.7 50.1

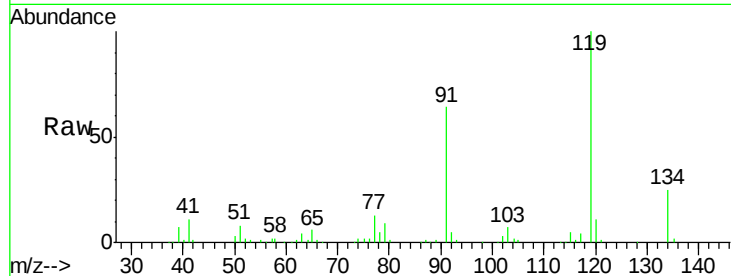




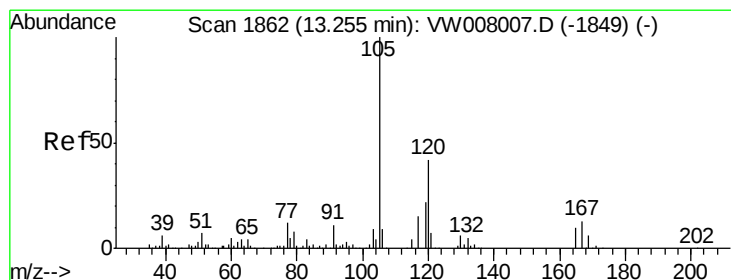
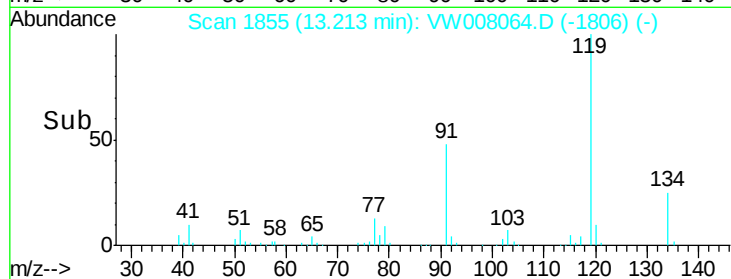
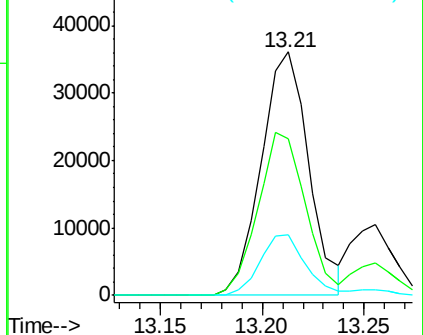
#83
tert-Butylbenzene
Concen: 21.061 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion:119 Resp: 58728
Ion Ratio Lower Upper
119 100
91 66.9 34.7 104.1
134 24.1 11.5 34.4

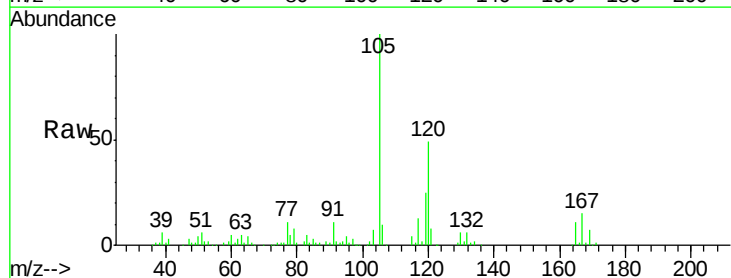


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

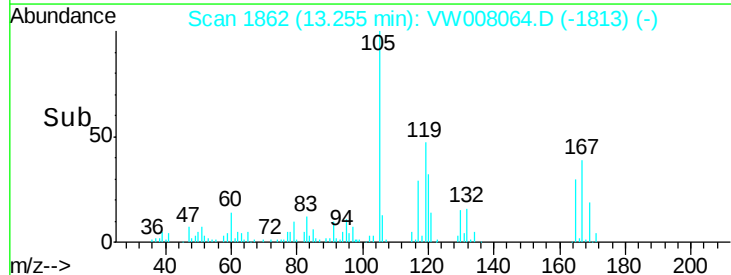
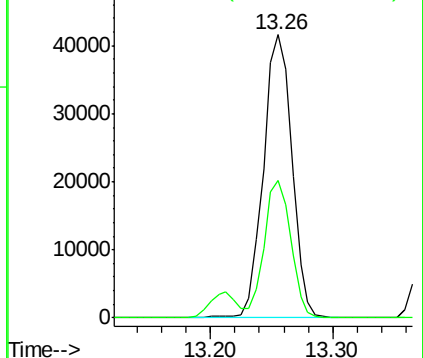


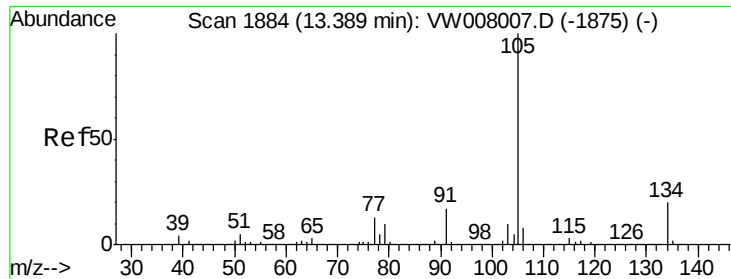
#84
1,2,4-Trimethylbenzene
Concen: 20.977 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:105 Resp: 67719
Ion Ratio Lower Upper
105 100
120 45.0 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

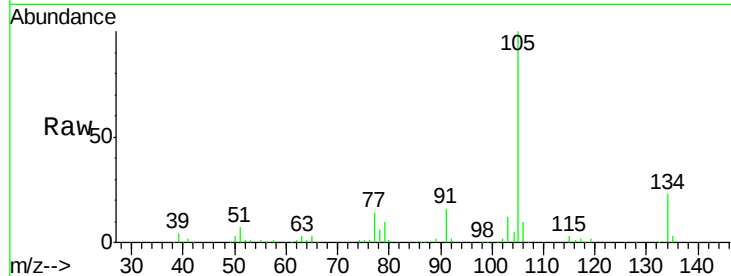




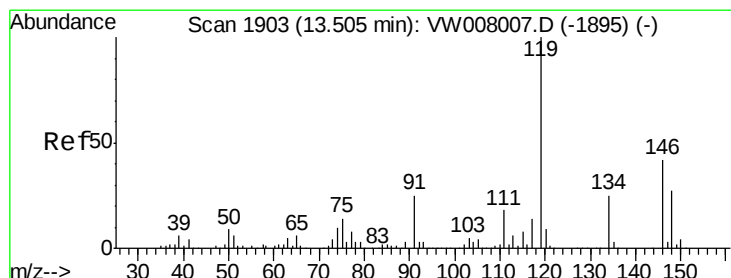
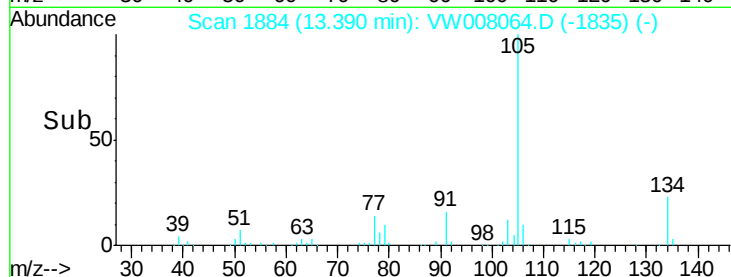
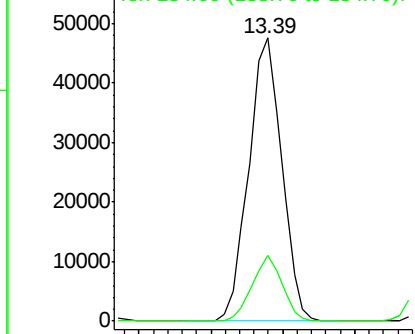
#85
 sec-Butylbenzene
 Concen: 19.653 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Tot Ion:105 Resp: 75388
 Ion Ratio Lower Upper
 105 100
 134 21.0 9.7 28.9

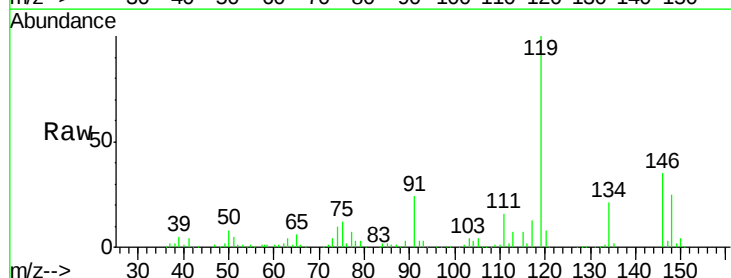


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

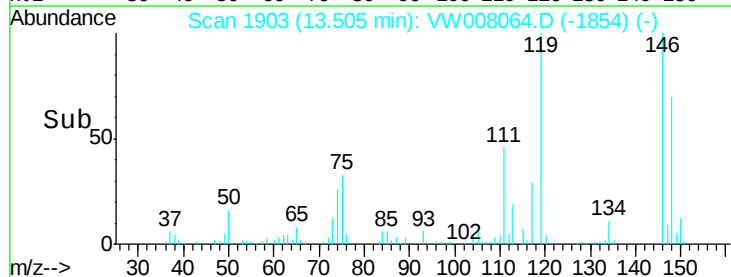
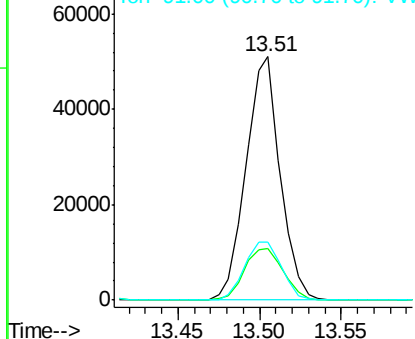


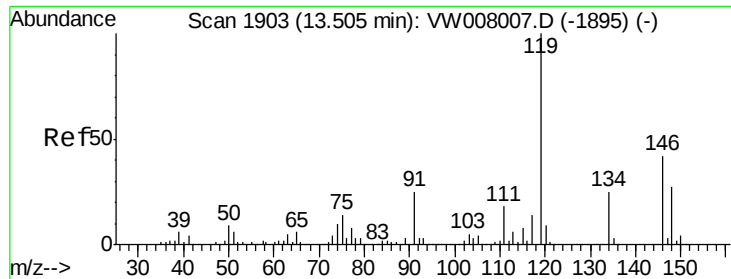
#86
 p-Isopropyltoluene
 Concen: 21.493 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion:119 Resp: 74366
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.5 37.5
 91 25.9 13.1 39.3



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

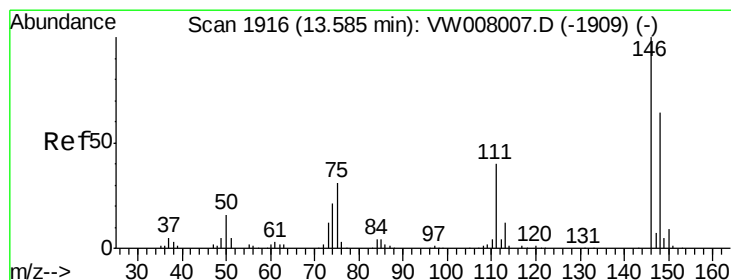
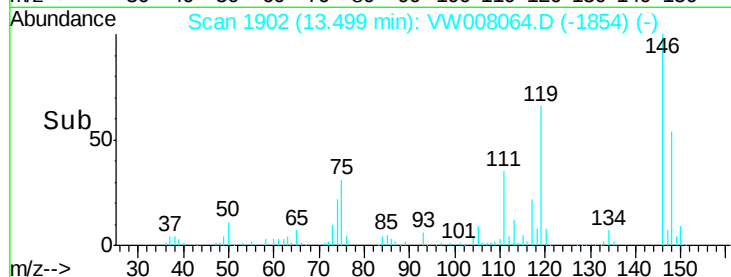
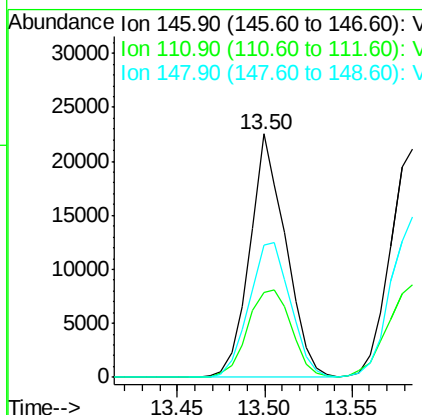
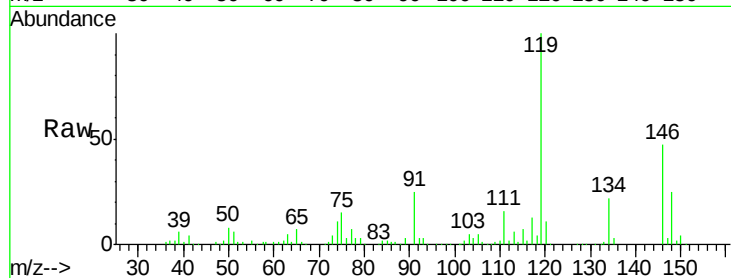




#87
 1,3-Dichlorobenzene
 Concen: 20.081 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

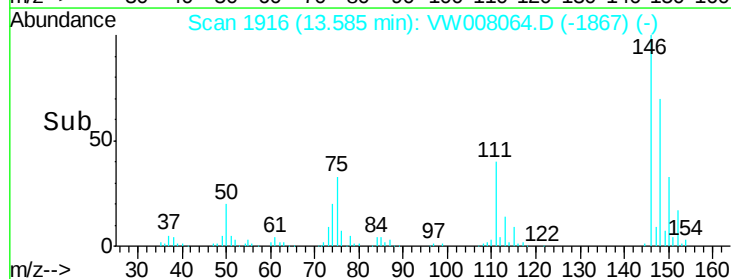
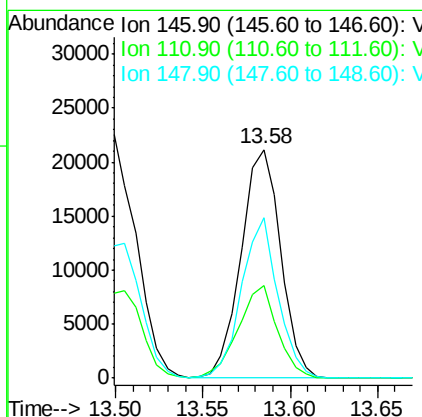
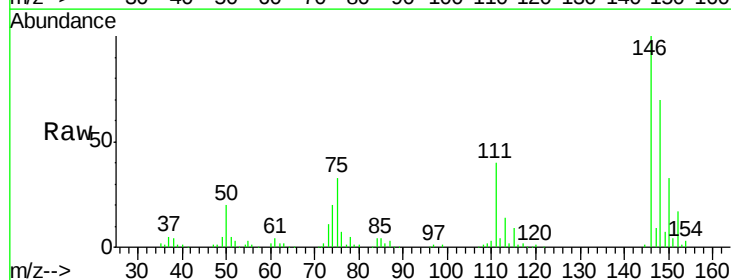
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

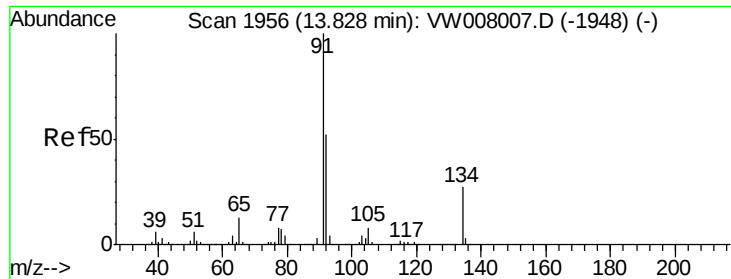
Tot Ion:146 Resp: 32247
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.4 64.2
 148 63.7 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.970 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion:146 Resp: 33338
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.9 62.8
 148 64.5 31.9 95.9





#89

n-Butylbenzene

Concen: 20.849 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

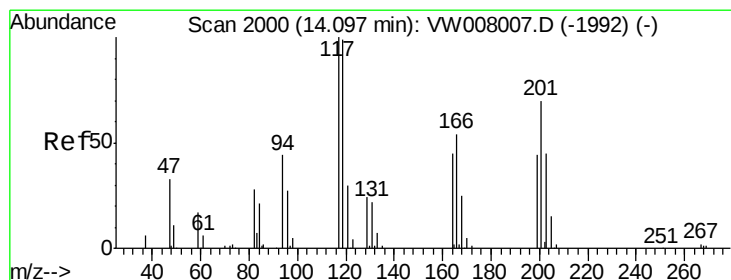
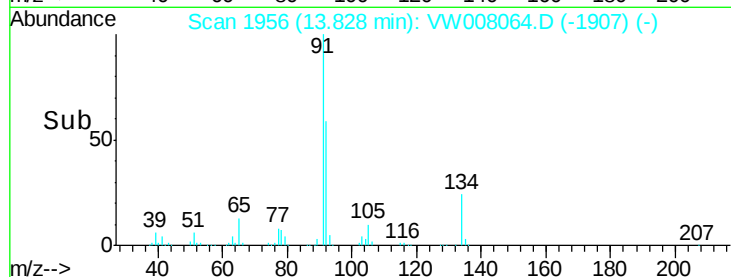
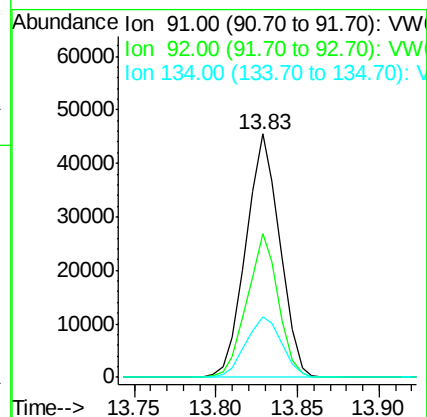
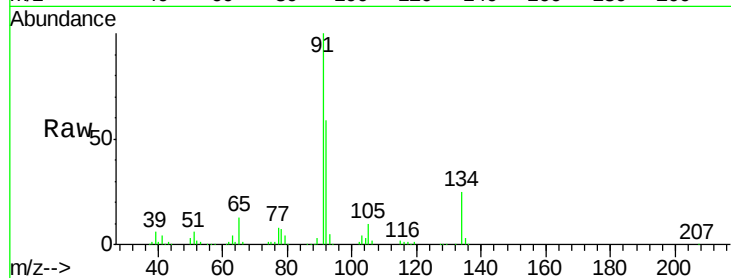
Tot Ion: 91 Resp: 65984

Ion Ratio Lower Upper

91 100

92 54.6 26.4 79.2

134 26.6 13.4 40.2



#90

Hexachloroethane

Concen: 20.552 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008064.D

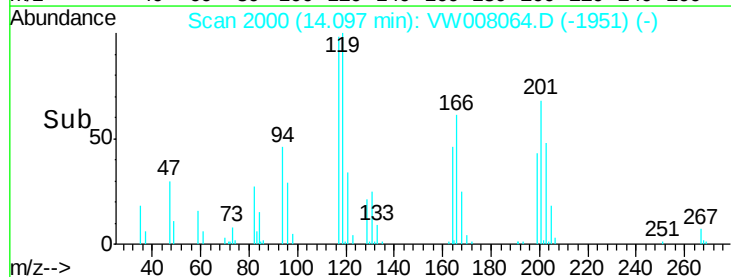
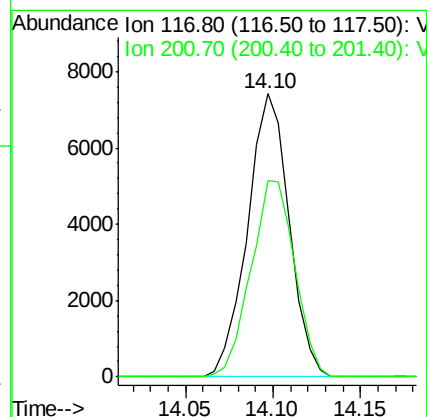
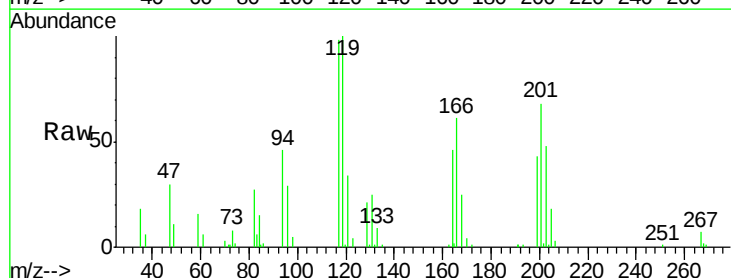
Acq: 07 Jan 2019 12:50

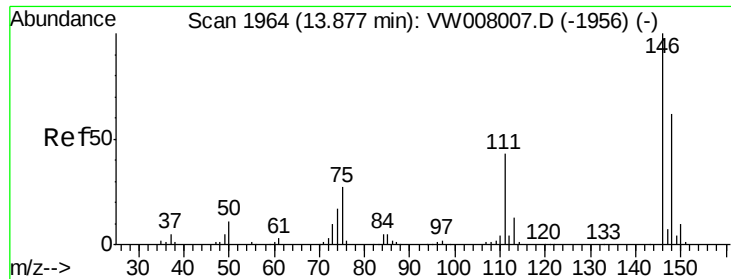
Tgt Ion: 117 Resp: 12339

Ion Ratio Lower Upper

117 100

201 73.2 37.1 111.5





#91

1,2-Dichlorobenzene

Concen: 20.757 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

Instrument :

MSVOA_W

ClientSampleId :

VW0107SBS01

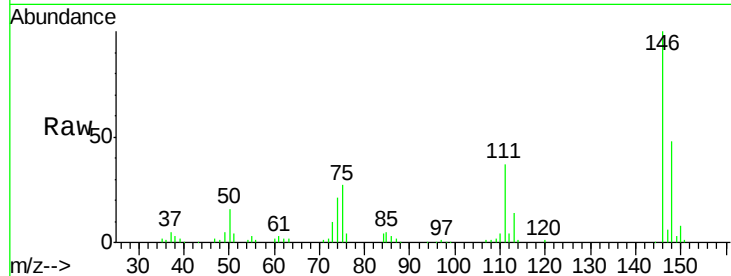
Tot Ion:146 Resp: 29290

Ion Ratio Lower Upper

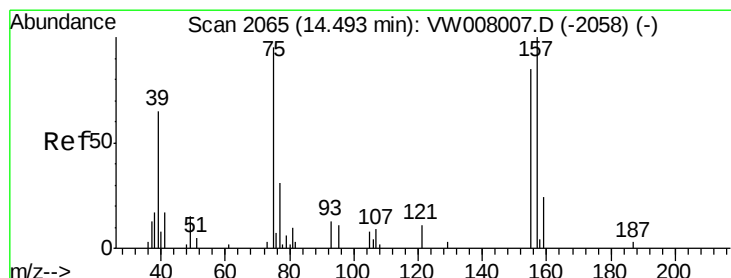
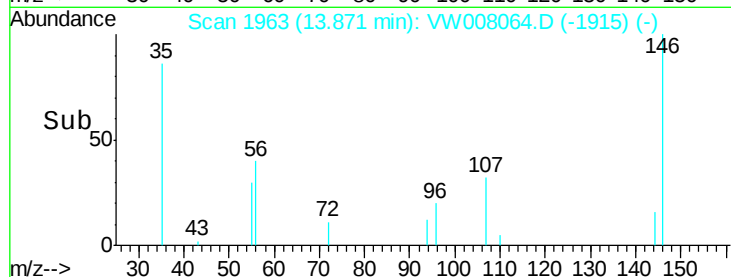
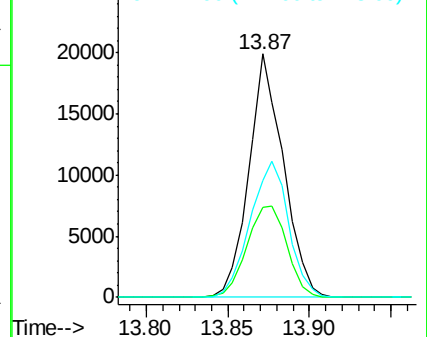
146 100

111 43.5 22.6 67.7

148 61.9 32.1 96.3



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.891 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW008064.D

Acq: 07 Jan 2019 12:50

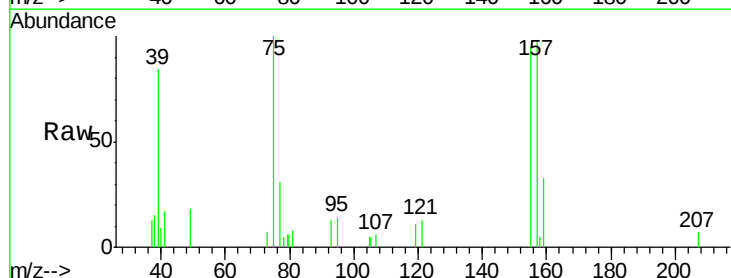
Tgt Ion: 75 Resp: 1902

Ion Ratio Lower Upper

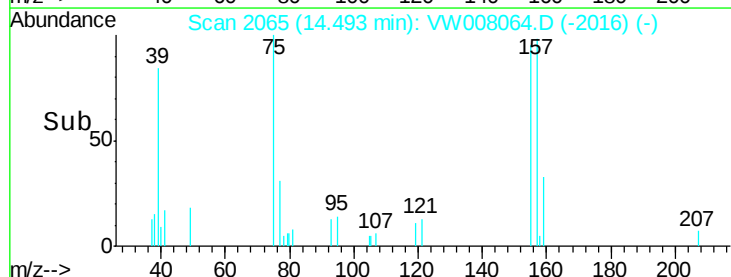
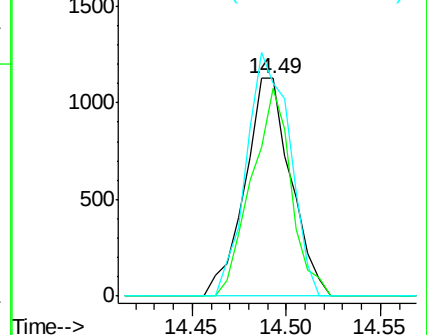
75 100

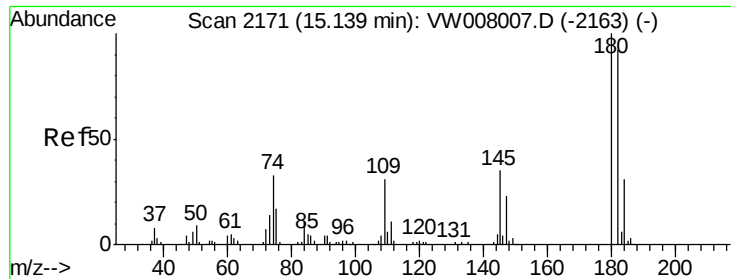
155 82.3 42.4 127.1

157 105.7 52.3 156.8



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

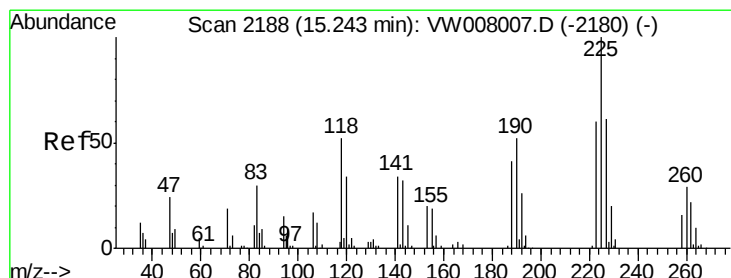
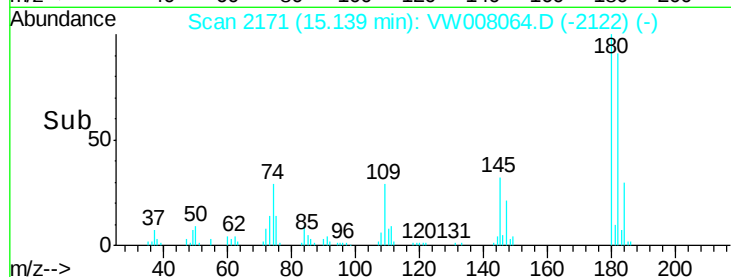
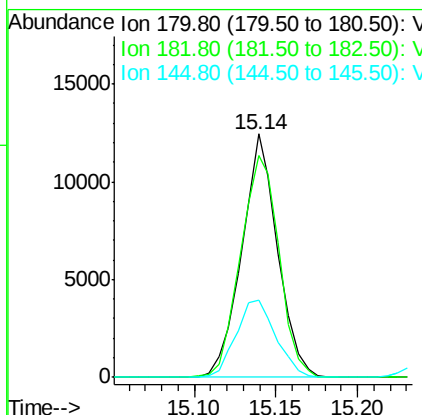
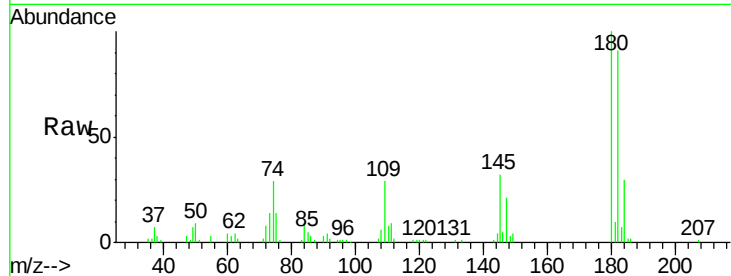




#93
 1,2,4-Trichlorobenzene
 Concen: 19.176 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

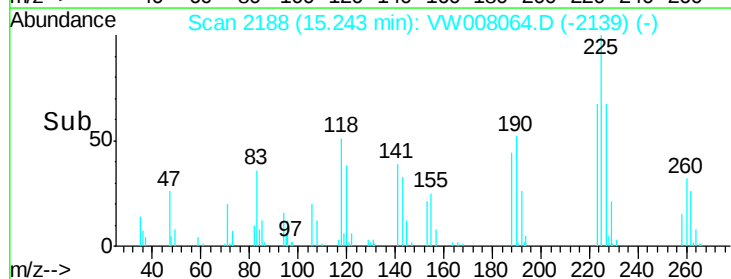
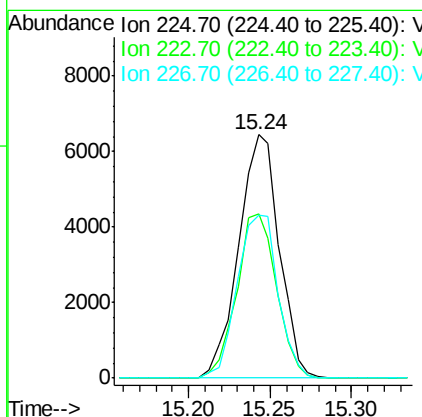
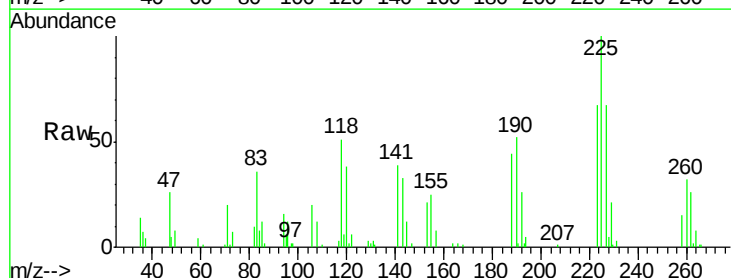
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

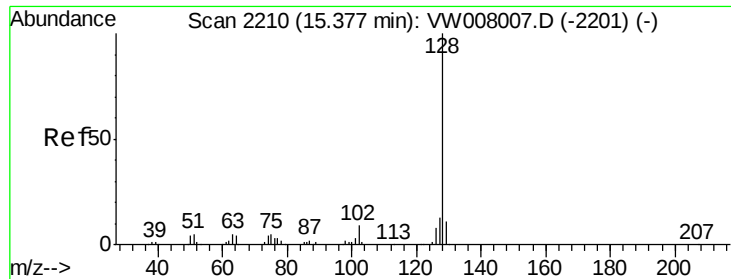
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.6	139.8
145	35.2	17.2	51.6



#94
 Hexachlorobutadiene
 Concen: 19.467 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008064.D
 Acq: 07 Jan 2019 12:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.5	30.6	92.0
227	67.5	31.3	93.8

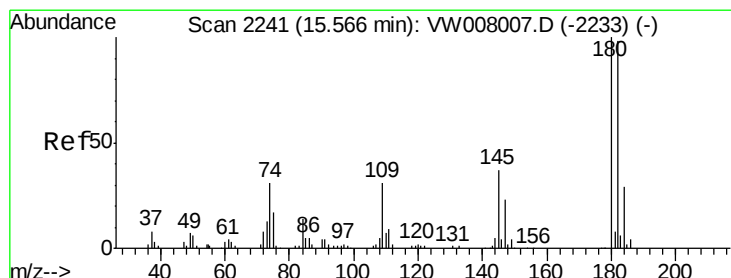
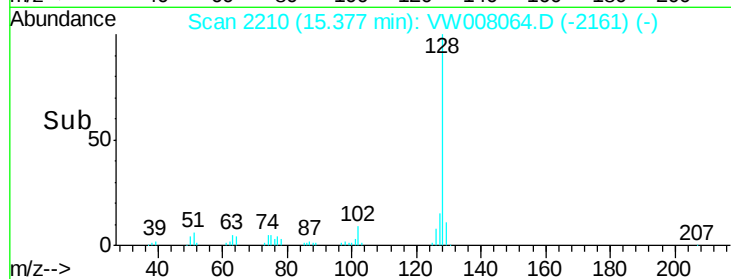
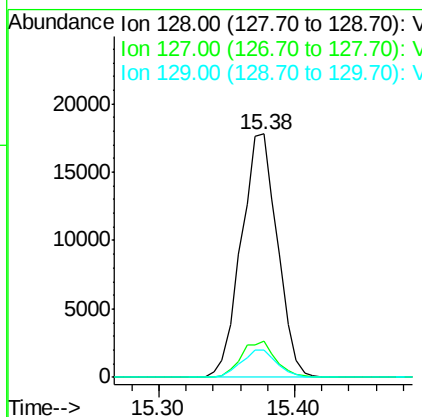
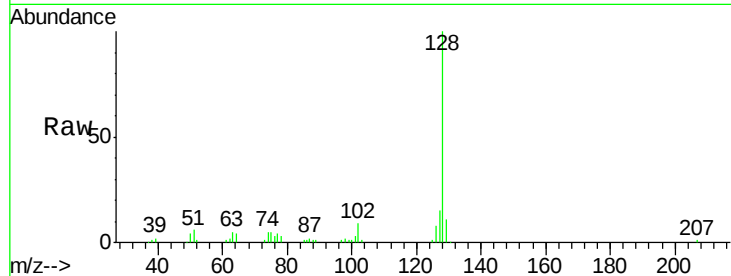




#95
Naphthalene
Concen: 19.572 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Instrument :
MSVOA_W
ClientSampleId :
VW0107SBS01

Tot Ion:128 Resp: 33037
Ion Ratio Lower Upper
128 100
127 14.1 10.8 16.2
129 11.2 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.201 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008064.D
Acq: 07 Jan 2019 12:50

Tgt Ion:180 Resp: 16474
Ion Ratio Lower Upper
180 100
182 91.7 47.9 143.8
145 36.1 18.7 56.1

