

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012119\
 Data File : VW008368.D
 Acq On : 21 Jan 2019 12:07
 Operator : SY/VA
 Sample : VW0121SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0121SBS01

Quant Time: Jan 22 03:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	132758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	223182	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	200842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	104293	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	58367	42.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.52%	
35) Dibromofluoromethane	7.88	113	60642	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	
50) Toluene-d8	10.32	98	251976	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
62) 4-Bromofluorobenzene	12.62	95	85608	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14861	17.765	ug/l	93
3) Chloromethane	2.21	50	20898	17.042	ug/l	97
4) Vinyl Chloride	2.37	62	30480	19.454	ug/l	89
5) Bromomethane	2.78	94	24547	20.674	ug/l	99
6) Chloroethane	2.92	64	19402	18.919	ug/l	98
7) Trichlorofluoromethane	3.26	101	25704	22.343	ug/l	100
8) Diethyl Ether	3.68	74	12916	16.191	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	26678	19.919	ug/l	90
10) Methyl Iodide	4.26	142	36169	16.744	ug/l	98
11) Tert butyl alcohol	5.18	59	6105	65.658	ug/l #	69
12) 1,1-Dichloroethene	4.03	96	24764	18.179	ug/l	88
13) Acrolein	3.90	56	4941	57.489	ug/l	90
14) Allyl chloride	4.67	41	43126	18.937	ug/l	97
15) Acrylonitrile	5.37	53	24762	80.806	ug/l	99
16) Acetone	4.12	43	25391	79.170	ug/l	93
17) Carbon Disulfide	4.37	76	73383	17.704	ug/l	99
18) Methyl Acetate	4.67	43	13215	15.425	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	34786	16.682	ug/l	97
20) Methylene Chloride	4.91	84	40399	25.402	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	28207	18.437	ug/l	94
22) Diisopropyl ether	6.31	45	82239	18.497	ug/l	96
23) Vinyl Acetate	6.25	43	200725	84.459	ug/l	98
24) 1,1-Dichloroethane	6.21	63	51242	18.929	ug/l	98
25) 2-Butanone	7.18	43	31572	76.860	ug/l	96
26) 2,2-Dichloropropane	7.16	77	34164	19.776	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	30475	18.385	ug/l	96
28) Bromochloromethane	7.51	49	20215	18.125	ug/l #	99
29) Tetrahydrofuran	7.53	42	18933	73.933	ug/l	97
30) Chloroform	7.68	83	50819	18.974	ug/l	98
31) Cyclohexane	7.95	56	49214	19.081	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	44368	19.738	ug/l	98
36) 1,1-Dichloropropene	8.08	75	41563	18.510	ug/l	99
37) Ethyl Acetate	7.25	43	13285	14.347	ug/l	96
38) Carbon Tetrachloride	8.07	117	40644	18.331	ug/l	98

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Quant Time: Jan 22 03:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	50460	18.893	ug/l	98
40) Benzene	8.32	78	115409	18.145	ug/l	99
41) Methacrylonitrile	7.48	41	7519	13.949	ug/l #	82
42) 1,2-Dichloroethane	8.40	62	31150	17.514	ug/l	99
43) Isopropyl Acetate	8.42	43	26907	15.384	ug/l	95
44) Trichloroethene	9.09	130	30845	17.701	ug/l	99
45) 1,2-Dichloropropane	9.37	63	28293	17.908	ug/l	99
46) Dibromomethane	9.46	93	13690	16.625	ug/l	93
47) Bromodichloromethane	9.64	83	36435	17.938	ug/l	95
48) Methyl methacrylate	9.43	41	12463	15.136	ug/l	97
49) 1,4-Dioxane	9.46	88	4384	330.720	ug/l #	85
51) 4-Methyl-2-Pentanone	10.21	43	63112	71.261	ug/l	100
52) Toluene	10.39	92	74184	18.430	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33572	16.560	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	41006	17.159	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19438	17.019	ug/l	96
56) Ethyl methacrylate	10.65	69	19894	14.832	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33305	16.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	59739	92.333	ug/l	98
59) 2-Hexanone	10.97	43	45233	72.893	ug/l	98
60) Dibromochloromethane	11.13	129	22411	16.441	ug/l	97
61) 1,2-Dibromoethane	11.24	107	17865	16.153	ug/l	100
64) Tetrachloroethene	10.86	164	25614	18.188	ug/l	97
65) Chlorobenzene	11.66	112	78767	17.980	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	27204	18.043	ug/l	98
67) Ethyl Benzene	11.73	91	139224	18.303	ug/l	100
68) m/p-Xylenes	11.84	106	109939	37.237	ug/l	100
69) o-Xylene	12.17	106	49550	17.964	ug/l	97
70) Styrene	12.18	104	80991	18.280	ug/l	99
71) Bromoform	12.35	173	11922	15.873	ug/l #	96
73) Isopropylbenzene	12.47	105	140543	18.495	ug/l	99
74) N-amyl acetate	12.27	43	23006	14.127	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	21182	16.388	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17736m	18.674	ug/l	
77) Bromobenzene	12.75	156	30427	16.670	ug/l	92
78) n-propylbenzene	12.81	91	174420	18.963	ug/l	99
79) 2-Chlorotoluene	12.90	91	93833	17.855	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	119326	18.818	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	6636	16.674	ug/l	92
82) 4-Chlorotoluene	12.99	91	101656	18.511	ug/l	99
83) tert-Butylbenzene	13.21	119	105306	18.868	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	119222	18.456	ug/l	99
85) sec-Butylbenzene	13.39	105	153392	19.142	ug/l	99
86) p-Isopropyltoluene	13.51	119	134048	19.153	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	65407	18.035	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	64328	17.705	ug/l	98
89) n-Butylbenzene	13.83	91	129584	19.302	ug/l	99
90) Hexachloroethane	14.10	117	23911	18.461	ug/l	93
91) 1,2-Dichlorobenzene	13.88	146	57293	17.893	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3171	15.003	ug/l	99

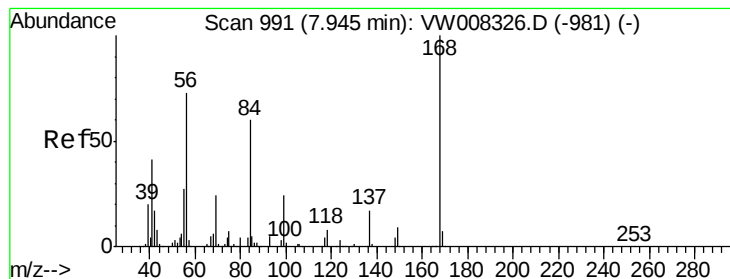
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012119\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	36270	16.733	ug/l	100
94) Hexachlorobutadiene	15.24	225	22618	18.515	ug/l	99
95) Naphthalene	15.38	128	53375	15.041	ug/l	97
96) 1,2,3-Trichlorobenzene	15.57	180	29771	15.769	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

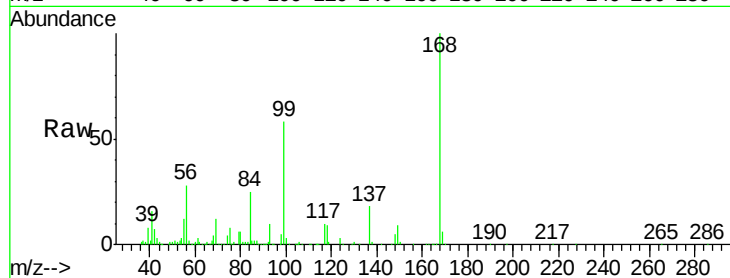
VW0121SBS01

Tot Ion:168 Resp: 132758

Ion Ratio Lower Upper

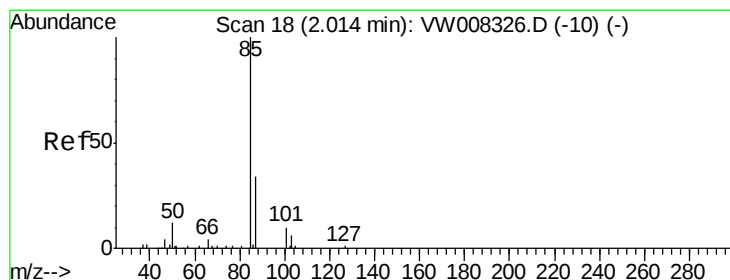
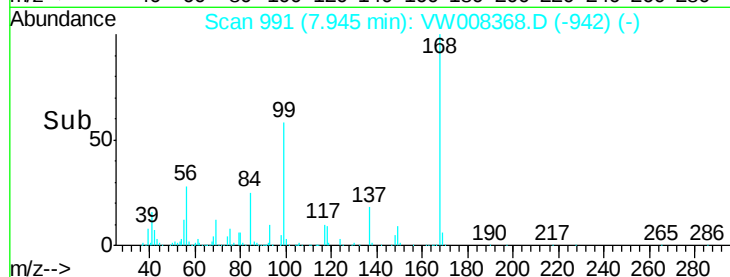
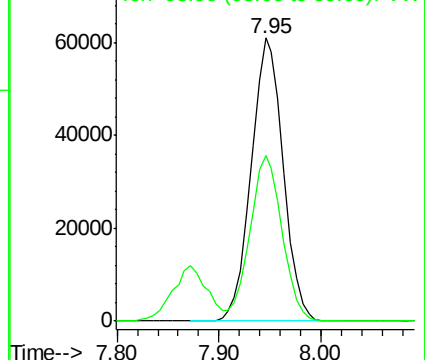
168 100

99 58.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 17.765 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008368.D

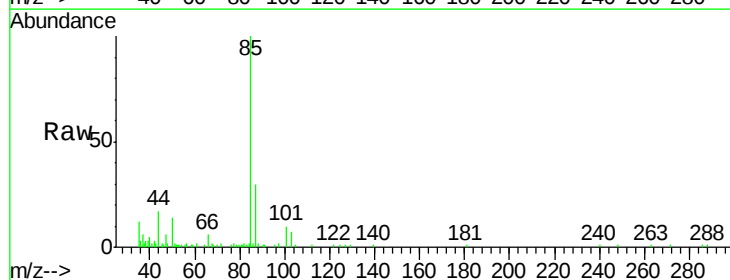
Acq: 21 Jan 2019 12:07

Tgt Ion: 85 Resp: 14861

Ion Ratio Lower Upper

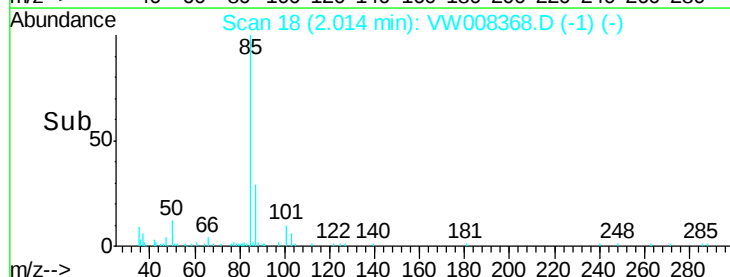
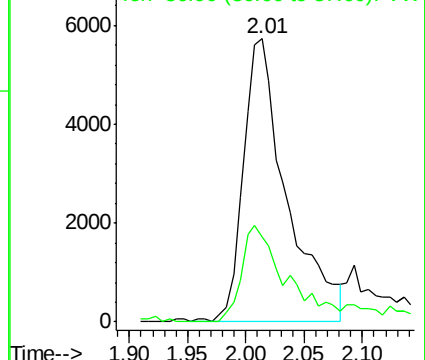
85 100

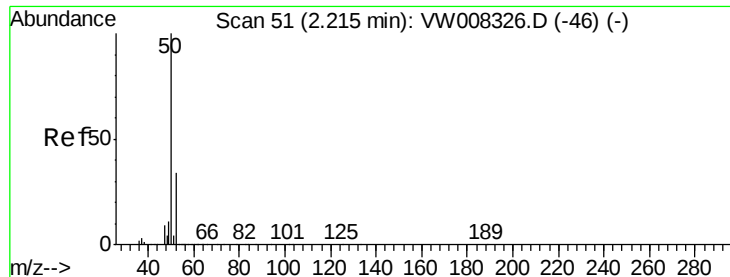
87 29.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 17.042 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

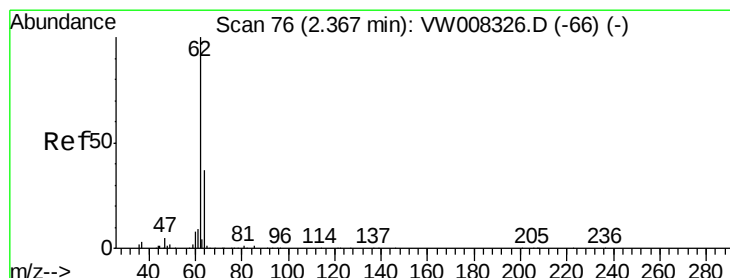
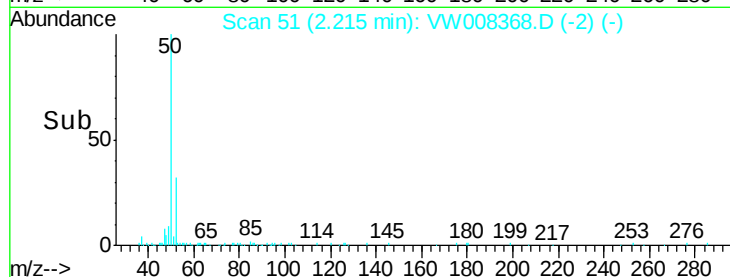
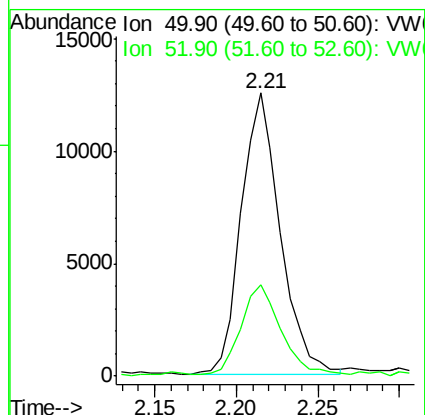
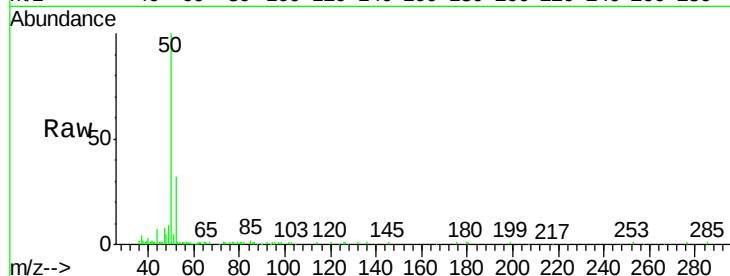
VW0121SBS01

Tot Ion: 50 Resp: 20898

Ion Ratio Lower Upper

50 100

52 31.8 26.7 40.1



#4

Vinyl Chloride

Concen: 19.454 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008368.D

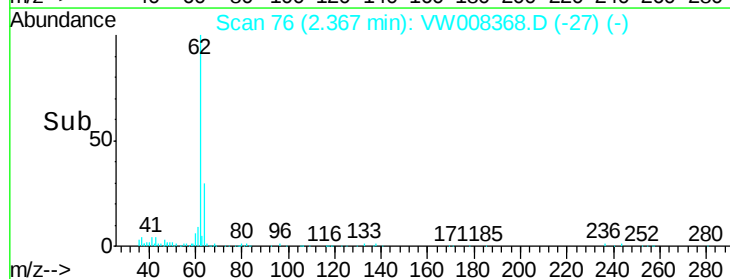
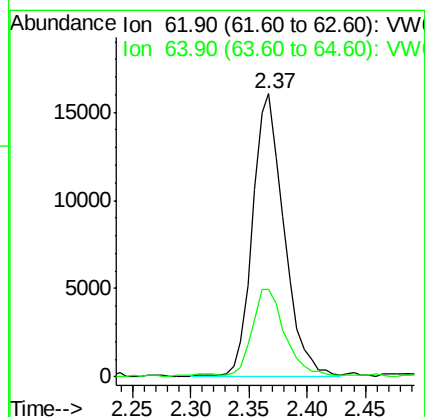
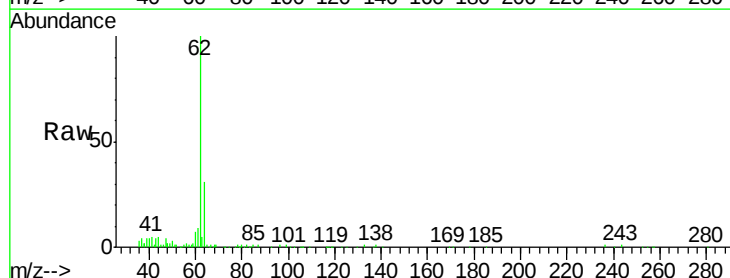
Acq: 21 Jan 2019 12:07

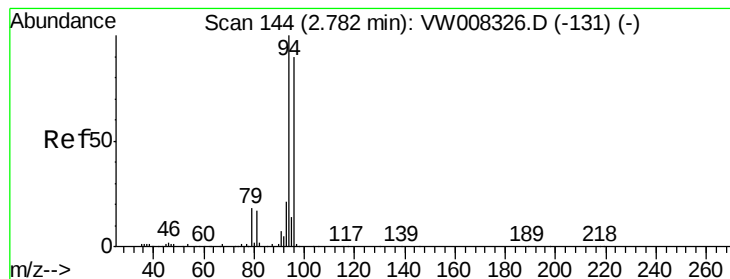
Tgt Ion: 62 Resp: 30480

Ion Ratio Lower Upper

62 100

64 30.4 29.4 44.2





#5

Bromomethane

Concen: 20.674 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

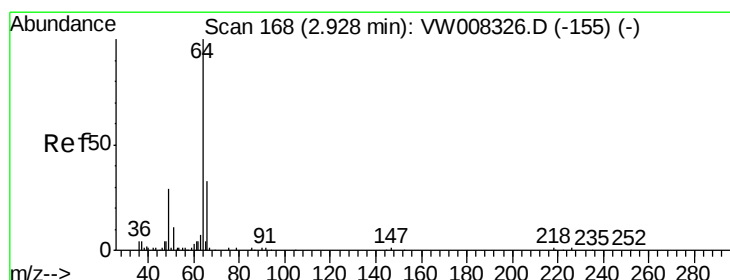
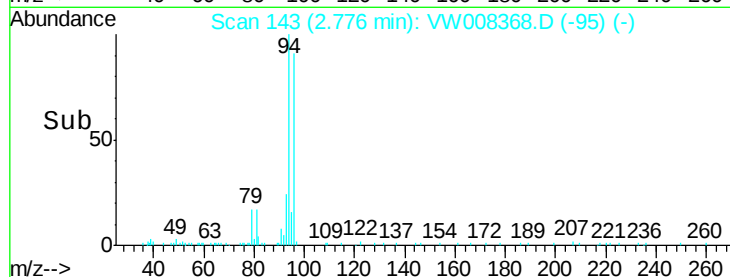
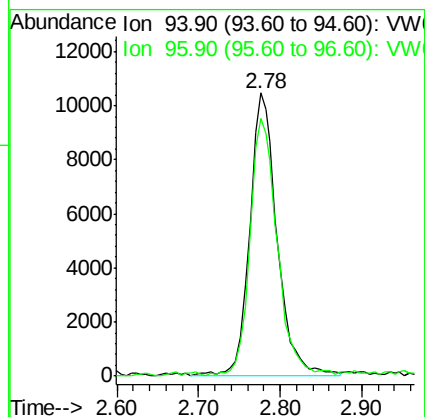
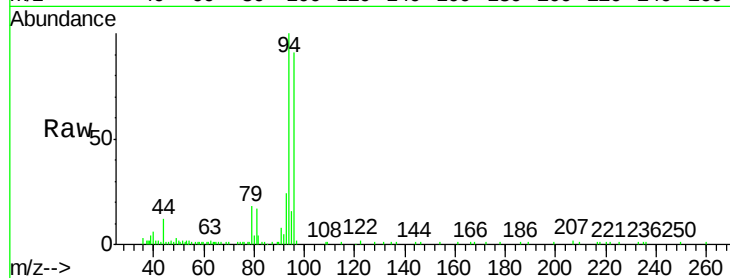
VW0121SBS01

Tot Ion: 94 Resp: 24547

Ion Ratio Lower Upper

94 100

96 90.3 71.4 107.0



#6

Chloroethane

Concen: 18.919 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008368.D

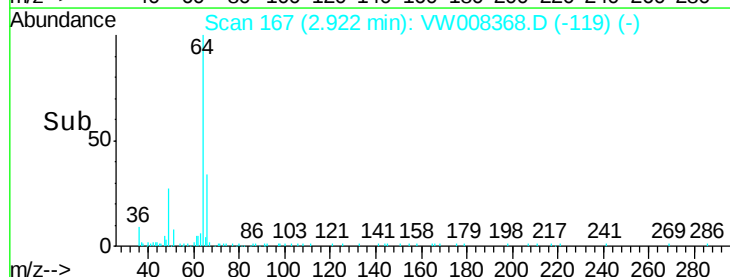
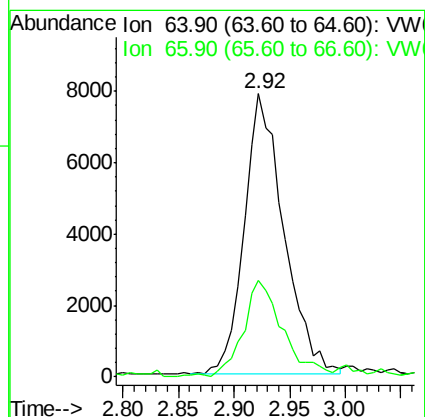
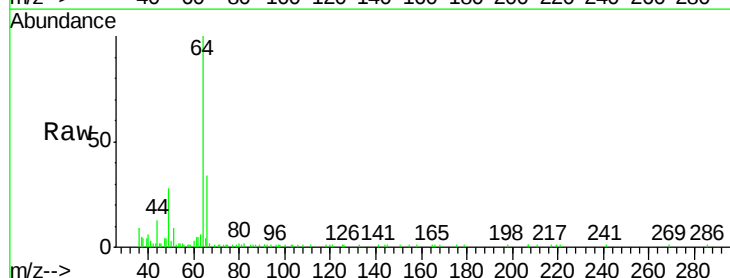
Acq: 21 Jan 2019 12:07

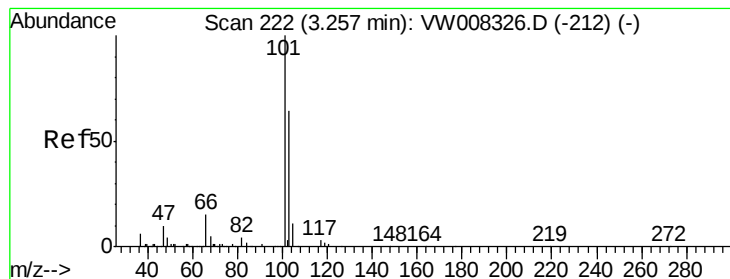
Tgt Ion: 64 Resp: 19402

Ion Ratio Lower Upper

64 100

66 33.7 26.2 39.4



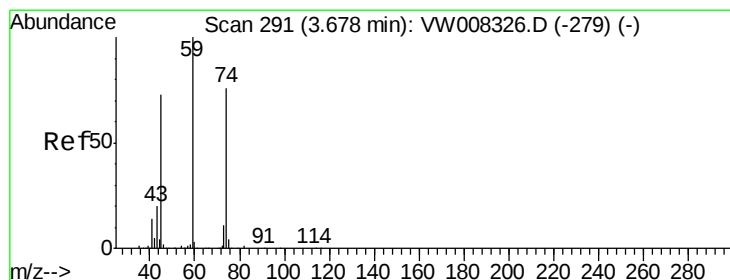
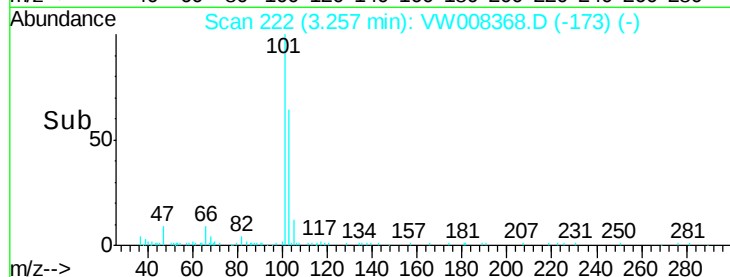
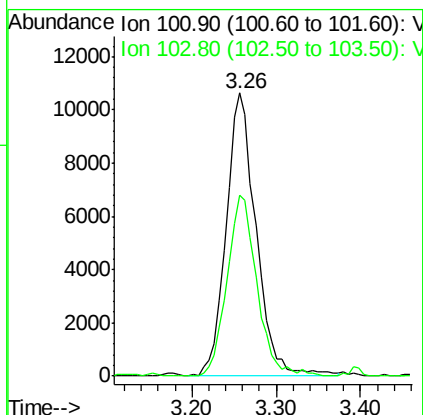
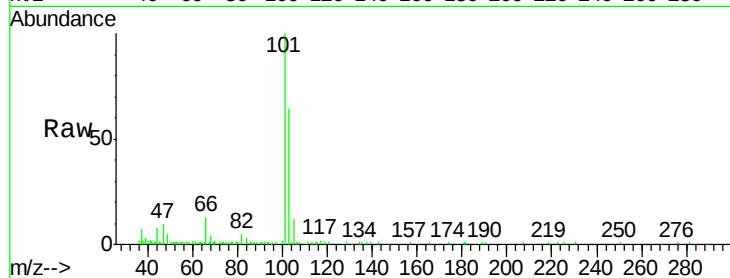


#7

Trichlorofluoromethane
Concen: 22.343 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

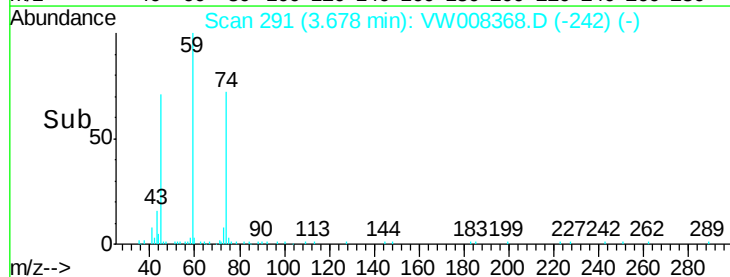
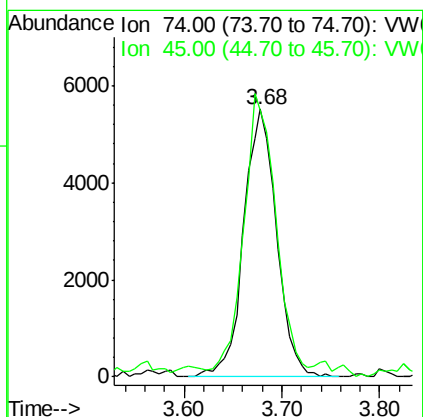
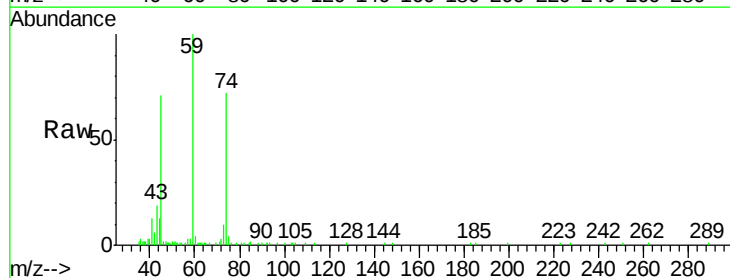
Tot Ion:101 Resp: 25704
Ion Ratio Lower Upper
101 100
103 63.8 50.9 76.3

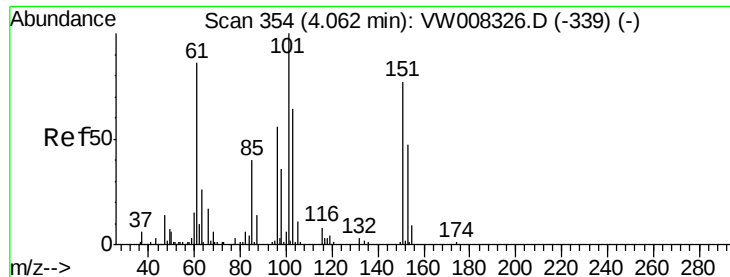


#8

Diethyl Ether
Concen: 16.191 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 74 Resp: 12916
Ion Ratio Lower Upper
74 100
45 97.8 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.919 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

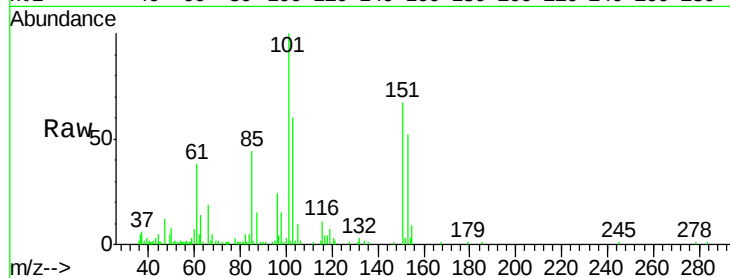
Tot Ion:101 Resp: 26678

Ion Ratio Lower Upper

101 100

85 43.9 36.0 54.0

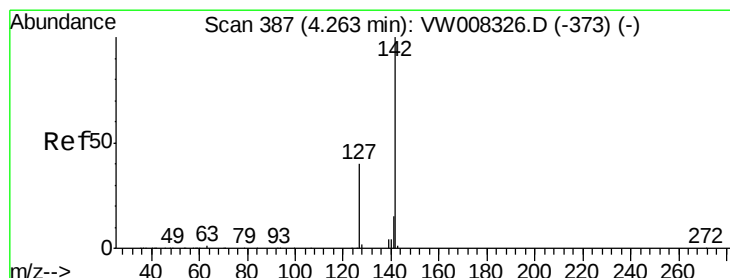
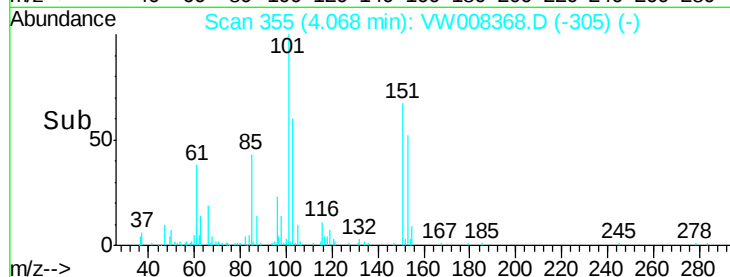
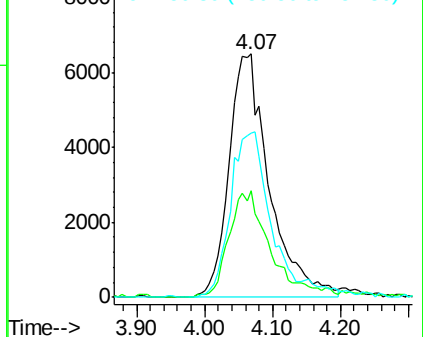
151 65.7 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.744 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

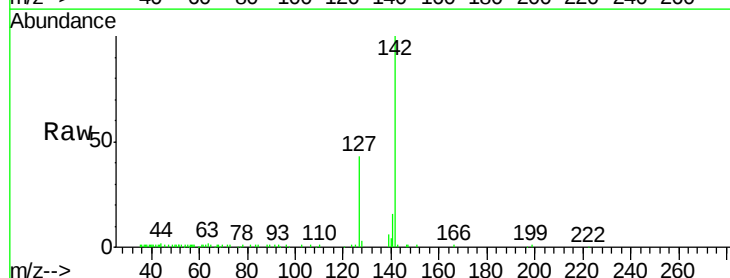
Tgt Ion:142 Resp: 36169

Ion Ratio Lower Upper

142 100

127 44.6 34.3 51.5

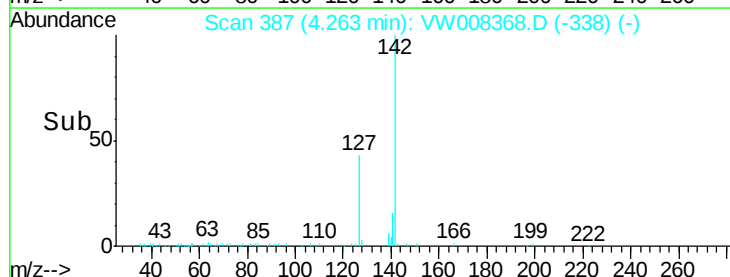
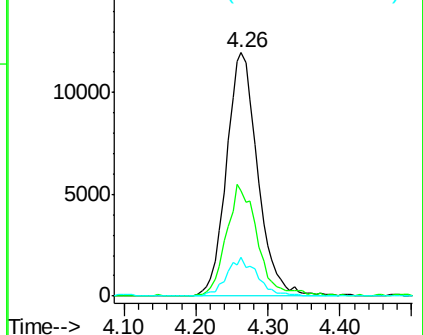
141 15.5 12.2 18.2

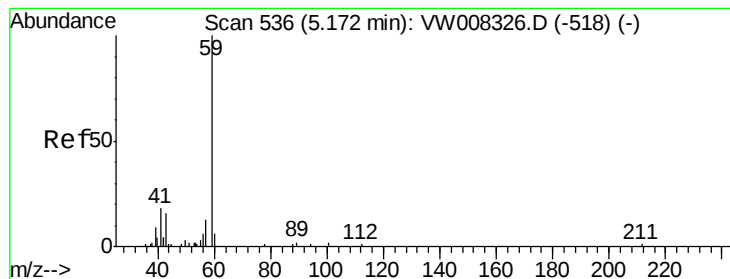


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



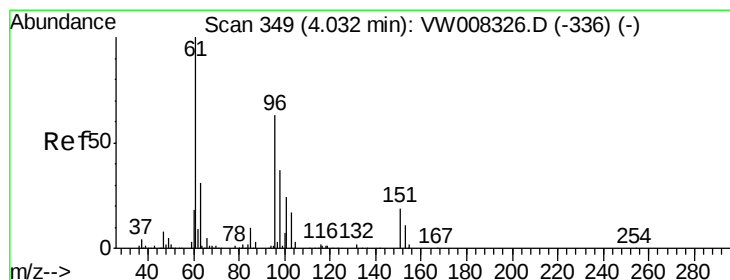
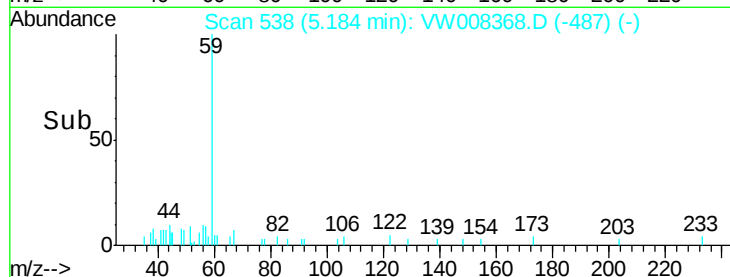
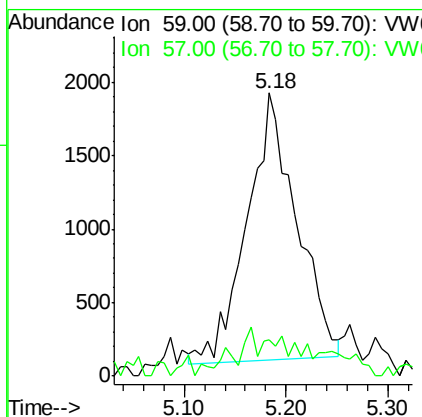
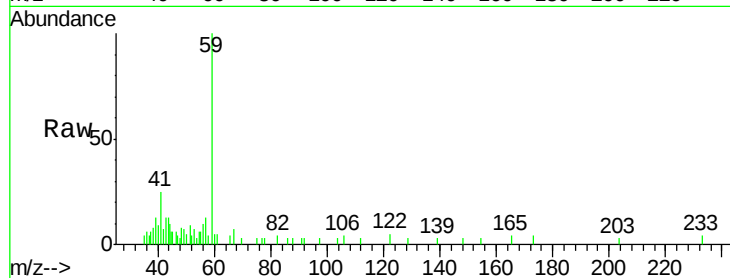


#11

Tert butyl alcohol
Concen: 65.658 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

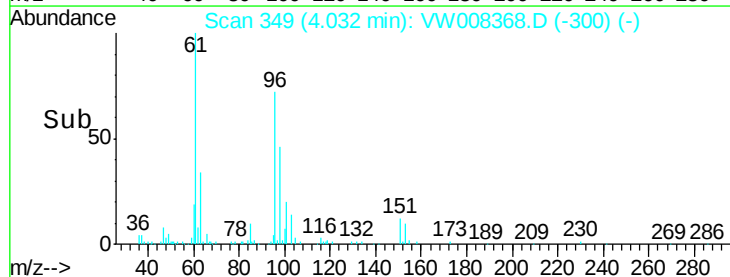
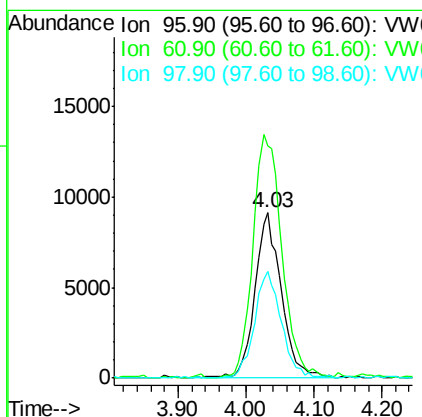
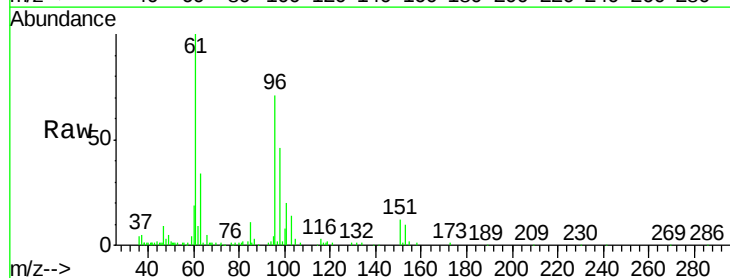
Tot Ion: 59 Resp: 6105
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.2#

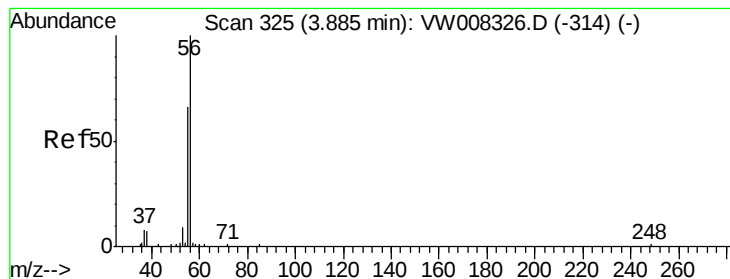


#12

1,1-Dichloroethene
Concen: 18.179 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 96 Resp: 24764
Ion Ratio Lower Upper
96 100
61 140.8 126.4 189.6
98 64.2 46.7 70.1





#13

Acrolein

Concen: 57.489 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

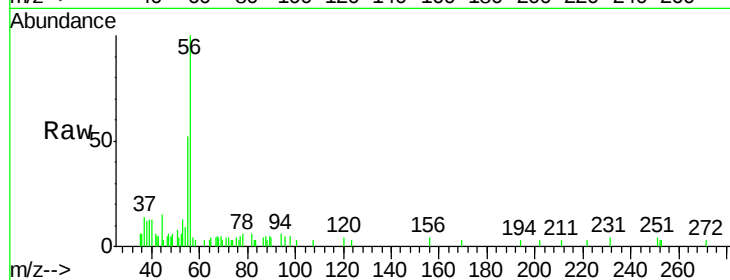
VW0121SBS01

Tot Ion: 56 Resp: 4941

Ion Ratio Lower Upper

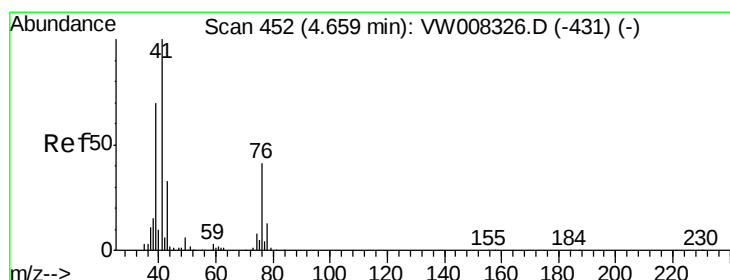
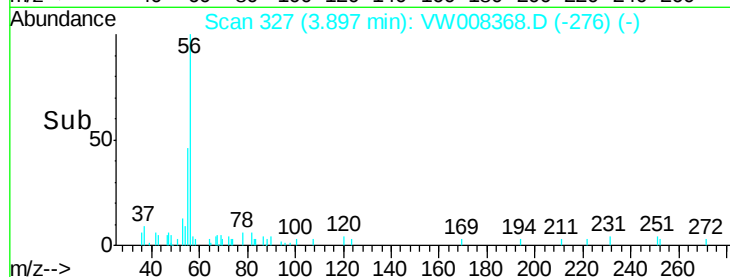
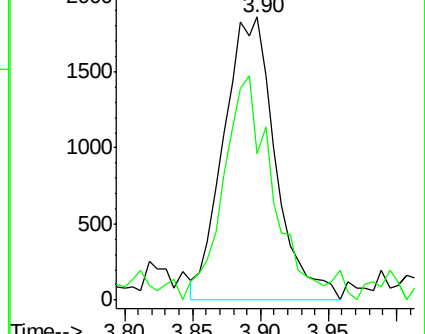
56 100

55 74.2 52.9 79.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.937 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

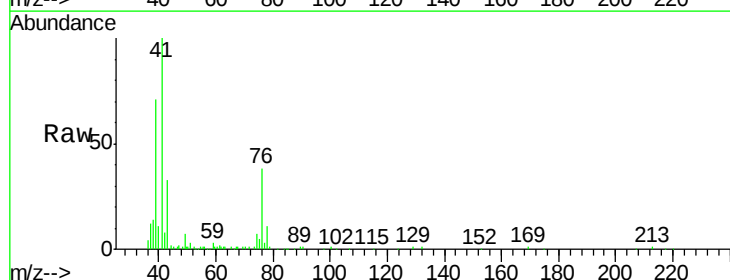
Tgt Ion: 41 Resp: 43126

Ion Ratio Lower Upper

41 100

39 69.4 54.1 81.1

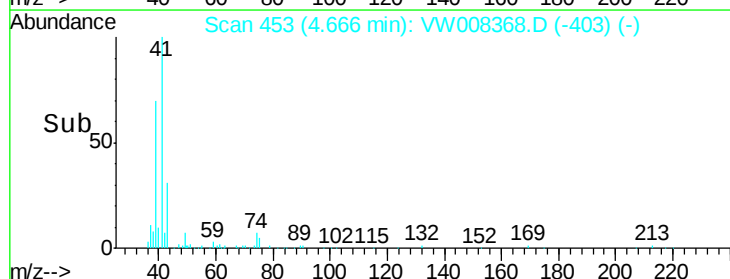
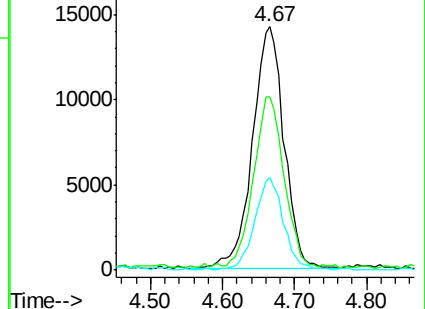
76 34.9 29.5 44.3

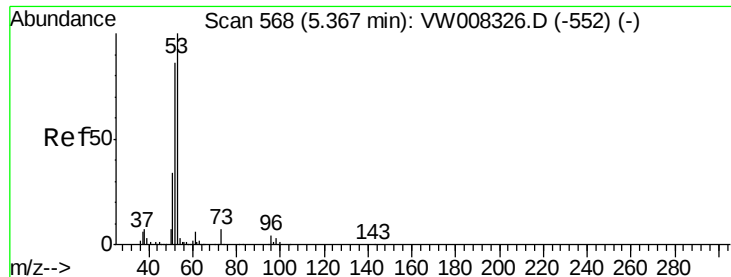


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 80.806 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

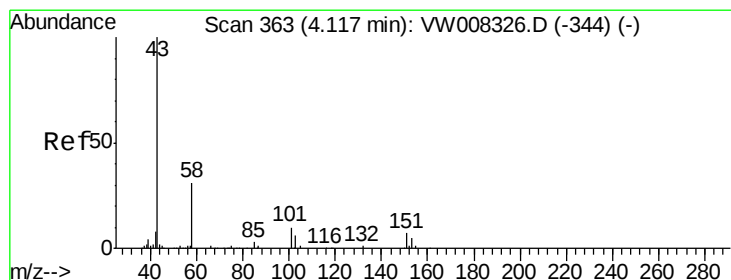
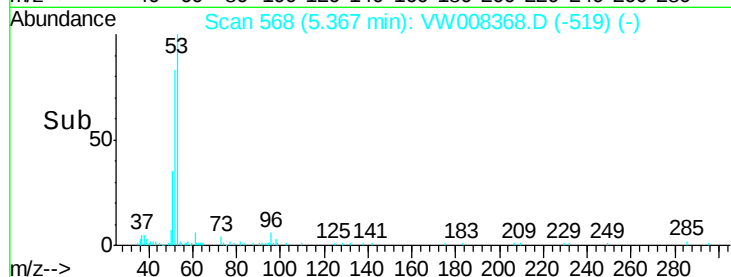
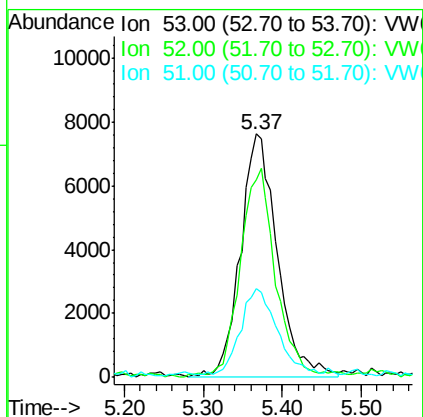
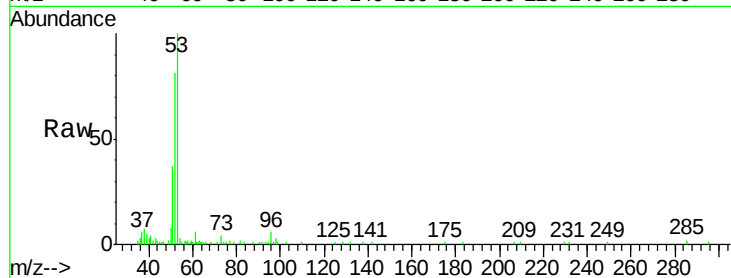
Tot Ion: 53 Resp: 24762

Ion Ratio Lower Upper

53 100

52 82.0 66.4 99.6

51 36.8 29.6 44.4



#16

Acetone

Concen: 79.170 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008368.D

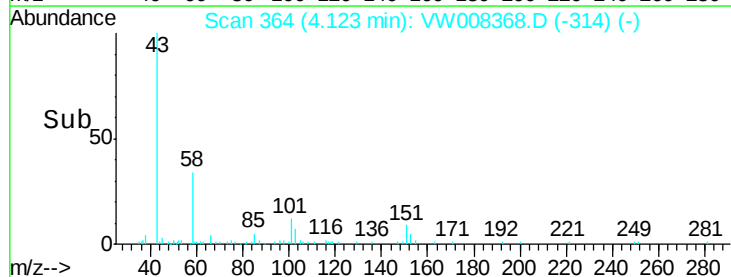
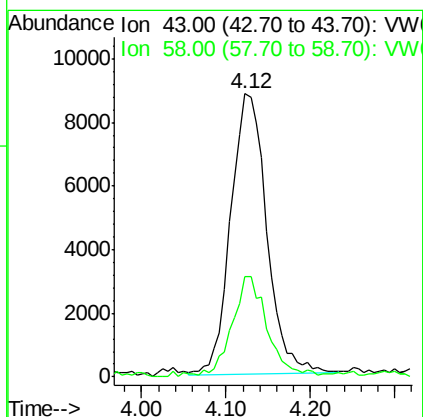
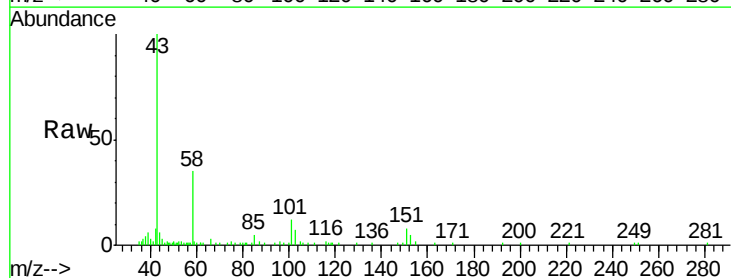
Acq: 21 Jan 2019 12:07

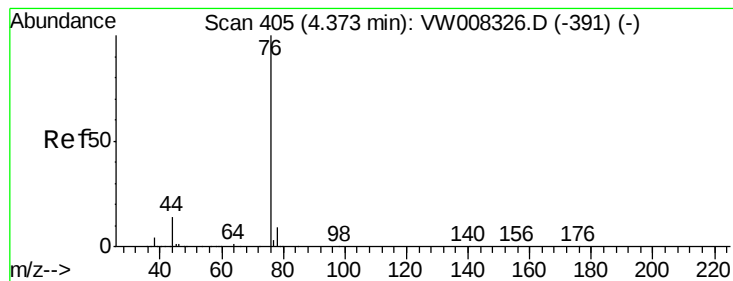
Tgt Ion: 43 Resp: 25391

Ion Ratio Lower Upper

43 100

58 34.7 24.7 37.1





#17

Carbon Disulfide

Concen: 17.704 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

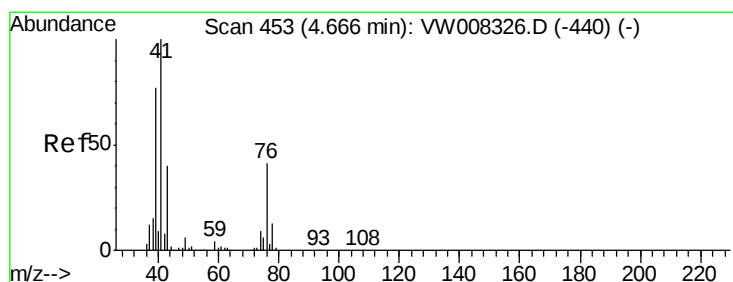
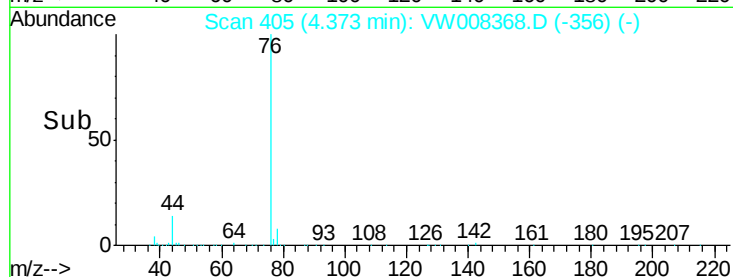
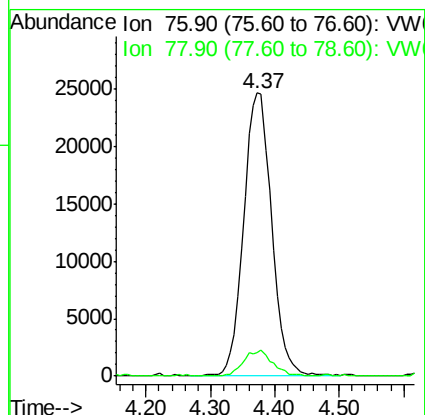
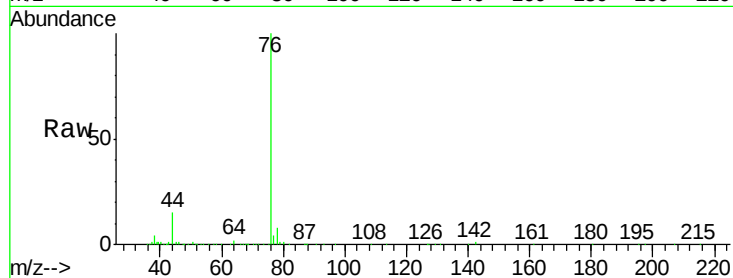
VW0121SBS01

Tot Ion: 76 Resp: 73383

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#18

Methyl Acetate

Concen: 15.425 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008368.D

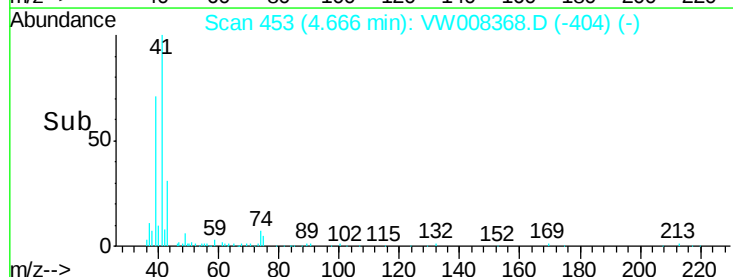
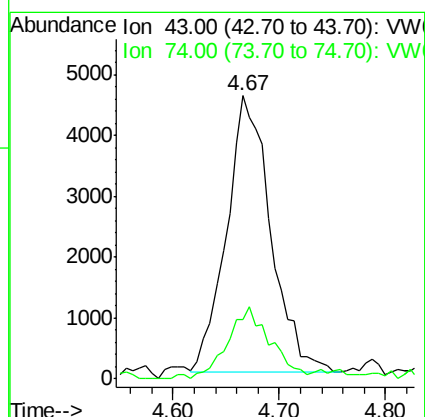
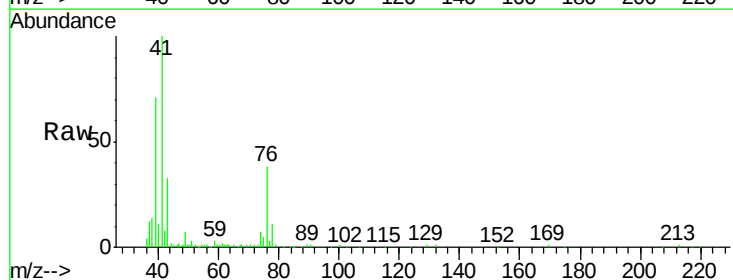
Acq: 21 Jan 2019 12:07

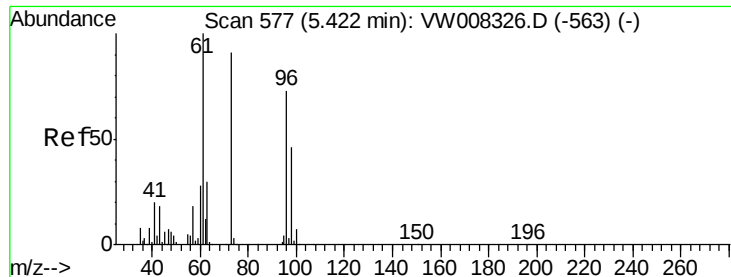
Tgt Ion: 43 Resp: 13215

Ion Ratio Lower Upper

43 100

74 25.0 19.4 29.0



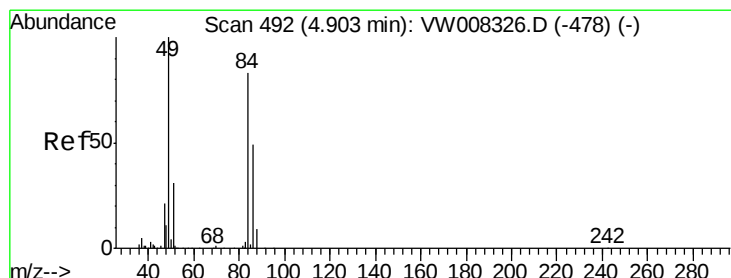
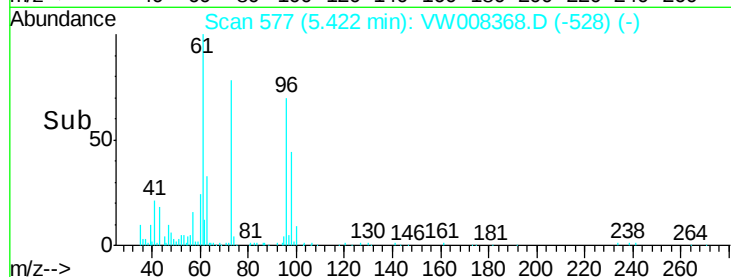
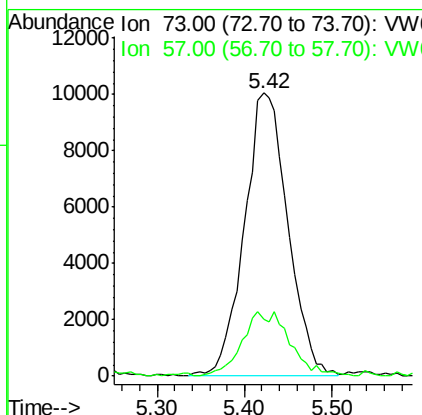
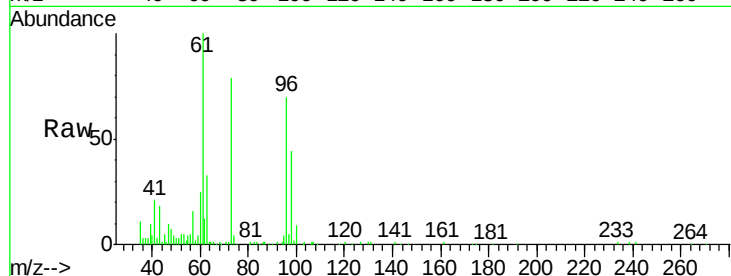


#19

Methyl tert-butyl Ether
 Concen: 16.682 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0121SBS01

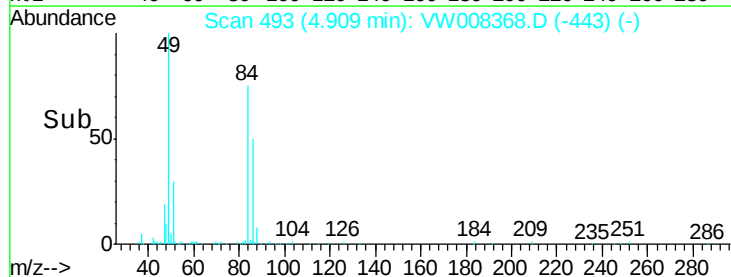
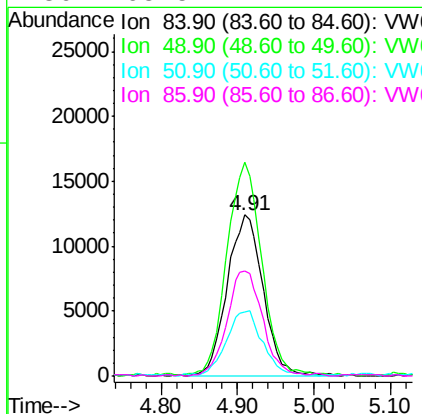
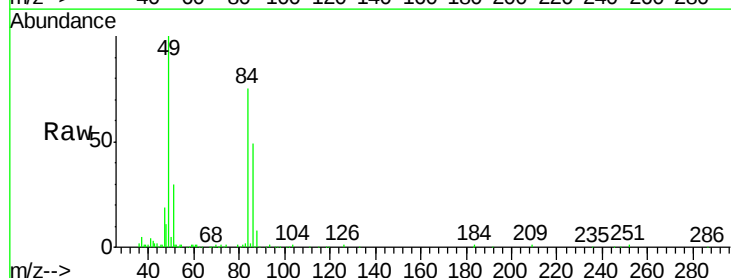
Tot Ion: 73 Resp: 34786
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.3 24.5

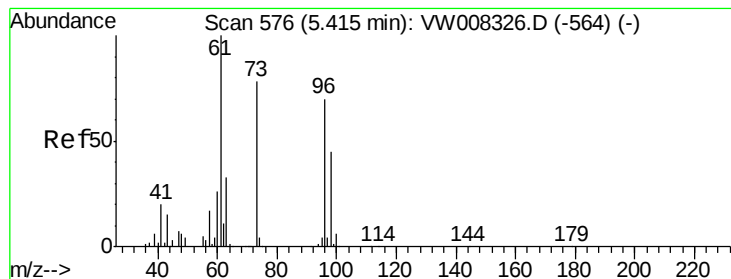


#20

Methylene Chloride
 Concen: 25.402 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.01 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

Tgt Ion: 84 Resp: 40399
 Ion Ratio Lower Upper
 84 100
 49 131.6 95.9 143.9
 51 38.9 29.3 43.9
 86 65.5 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 18.437 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

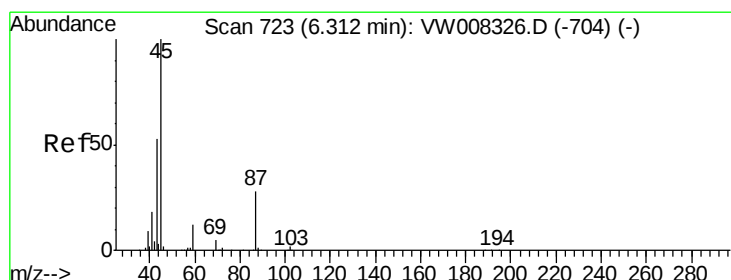
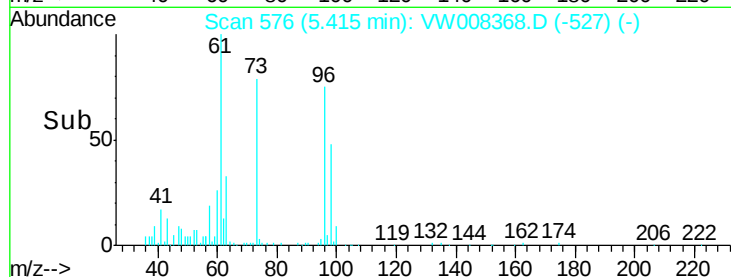
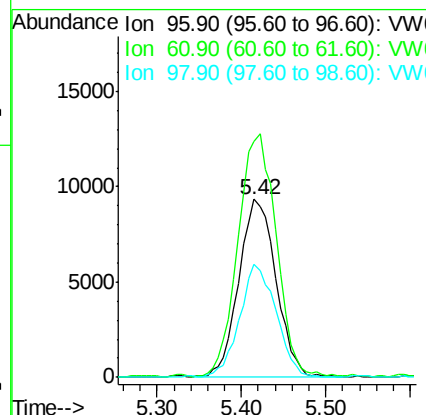
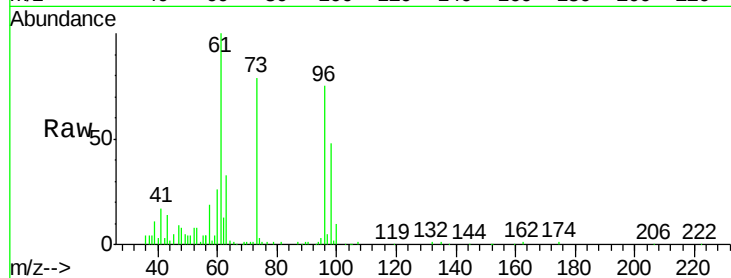
Tot Ion: 96 Resp: 28207

Ion Ratio Lower Upper

96 100

61 132.7 114.5 171.7

98 63.3 52.0 78.0



#22

Diisopropyl ether

Concen: 18.497 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Tgt Ion: 45 Resp: 82239

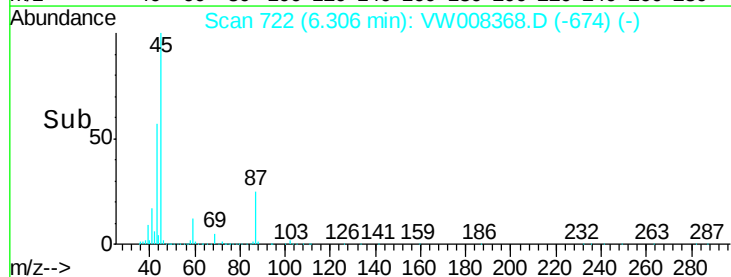
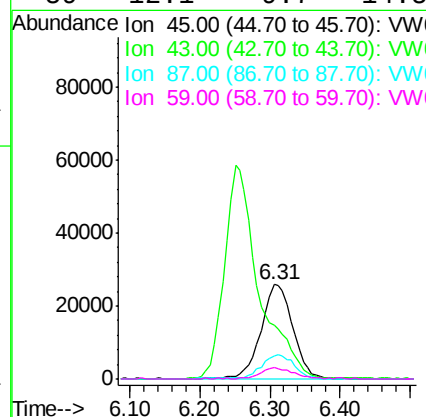
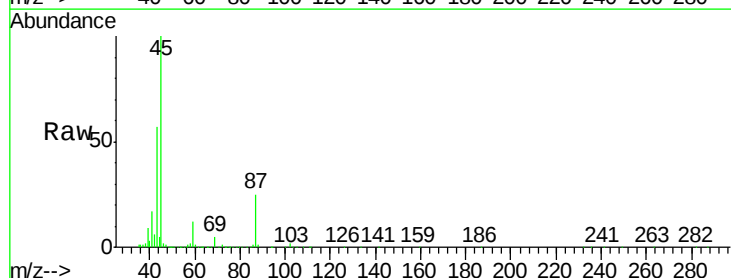
Ion Ratio Lower Upper

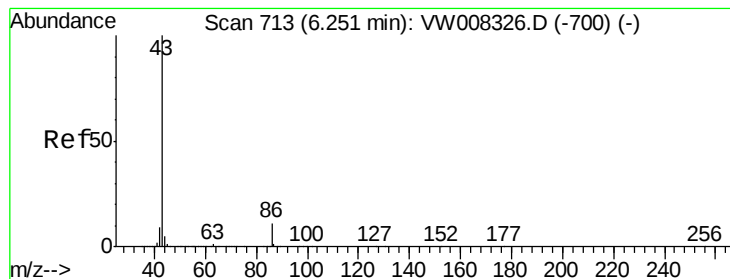
45 100

43 55.9 42.5 63.7

87 24.5 22.2 33.2

59 12.1 9.7 14.5





#23

Vinyl Acetate

Concen: 84.459 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

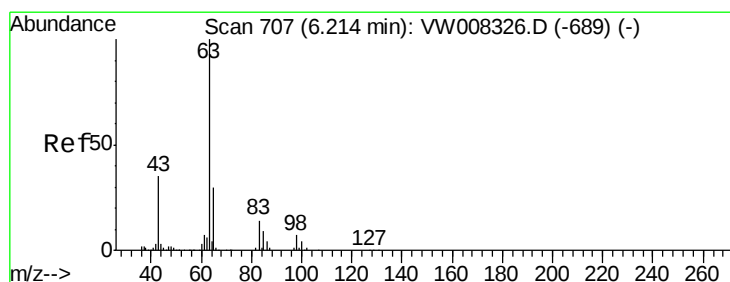
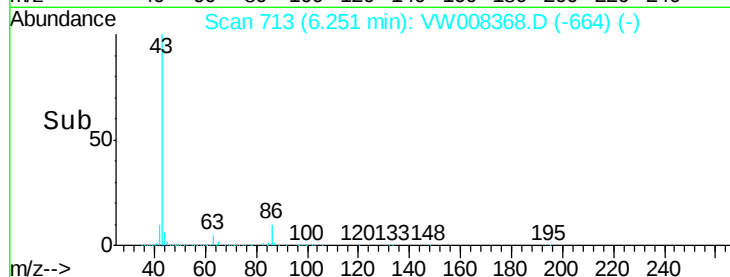
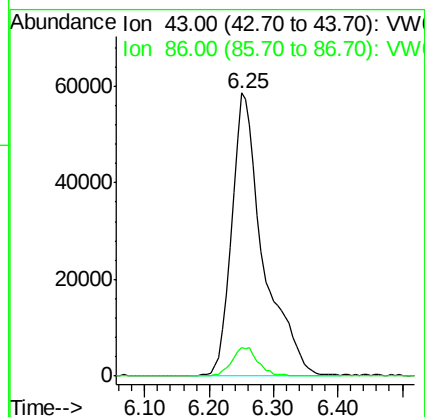
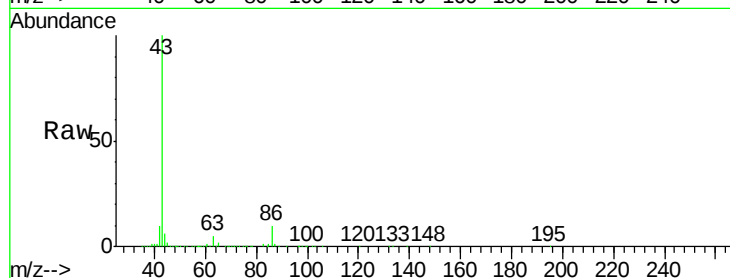
VW0121SBS01

Tot Ion: 43 Resp: 200725

Ion Ratio Lower Upper

43 100

86 10.0 8.6 13.0



#24

1,1-Dichloroethane

Concen: 18.929 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

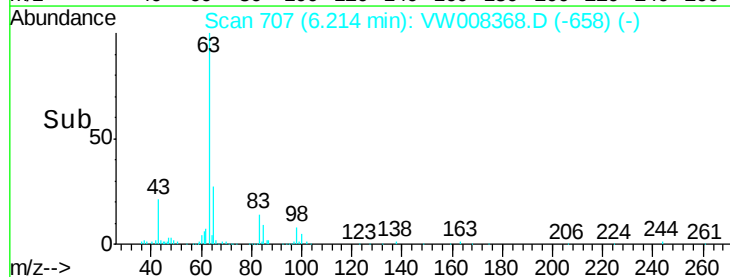
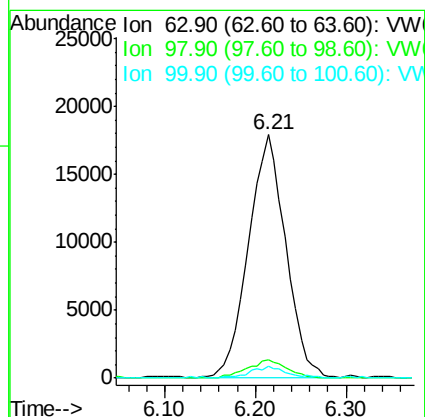
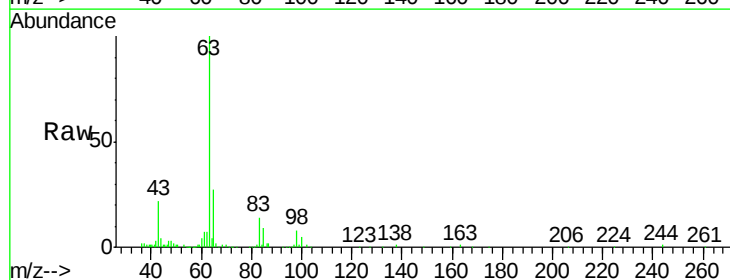
Tgt Ion: 63 Resp: 51242

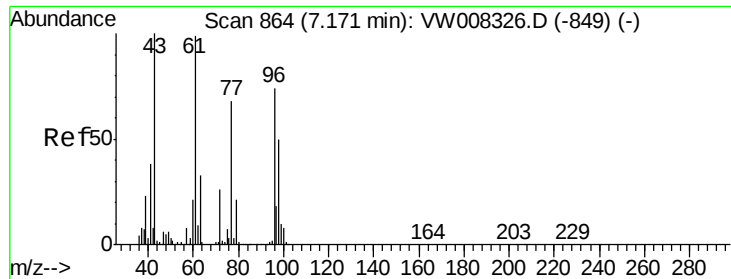
Ion Ratio Lower Upper

63 100

98 7.6 3.5 10.6

100 4.7 2.1 6.3





#25

2-Butanone

Concen: 76.860 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampled :

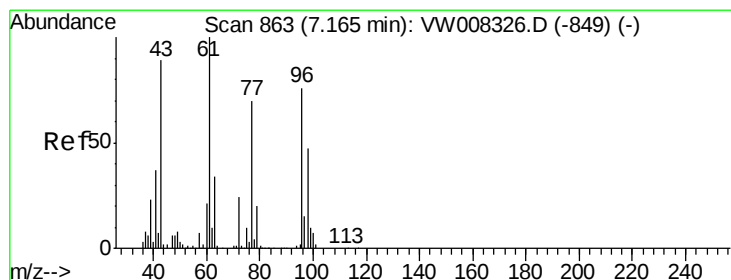
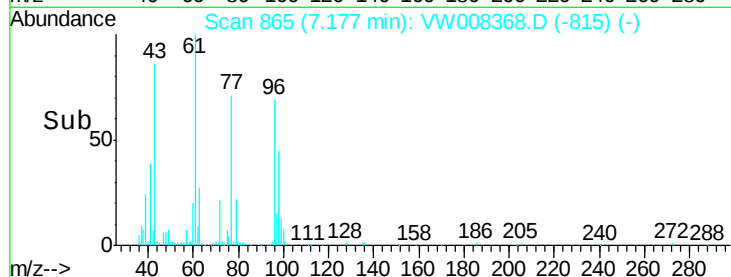
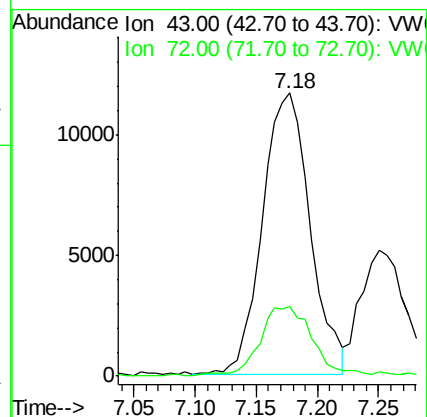
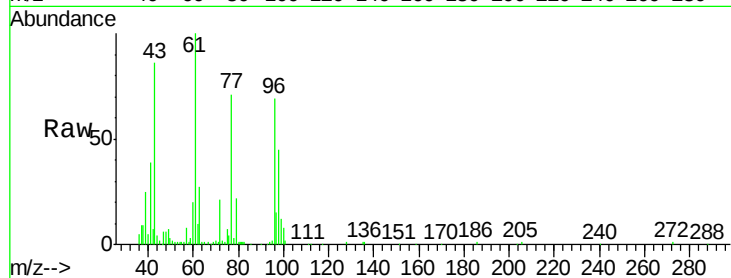
VW0121SBS01

Tot Ion: 43 Resp: 31572

Ion Ratio Lower Upper

43 100

72 24.7 21.2 31.8



#26

2,2-Dichloropropane

Concen: 19.776 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008368.D

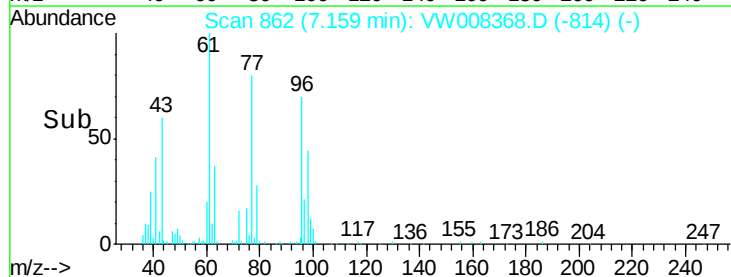
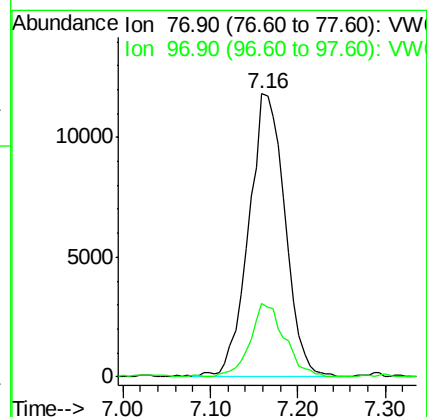
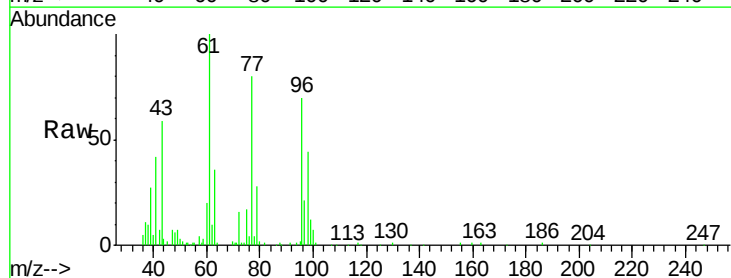
Acq: 21 Jan 2019 12:07

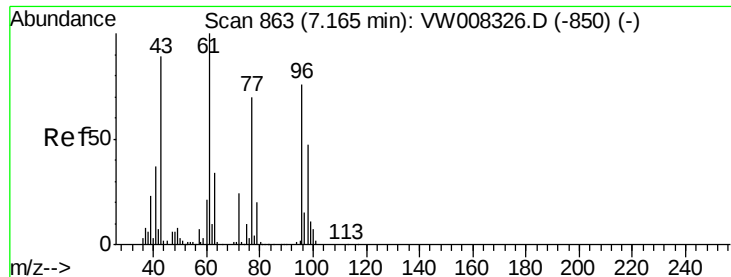
Tgt Ion: 77 Resp: 34164

Ion Ratio Lower Upper

77 100

97 24.5 11.7 35.1



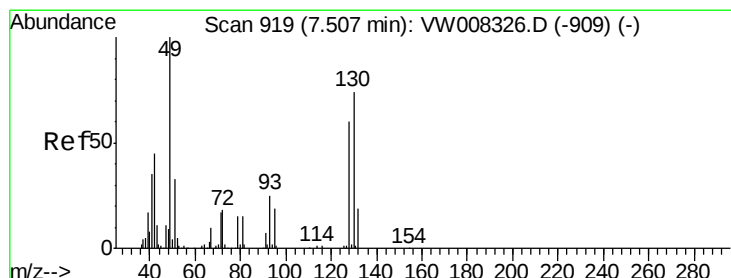
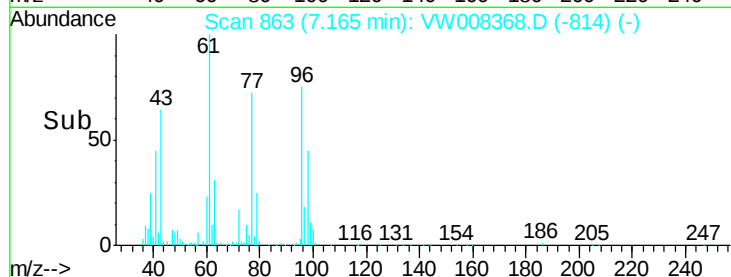
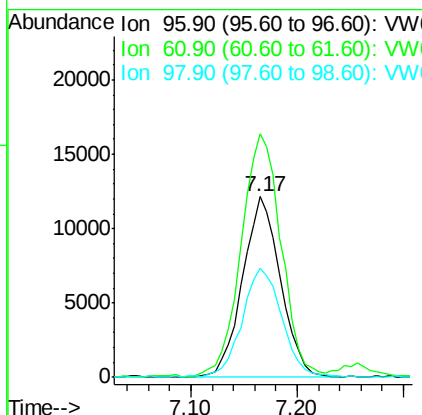
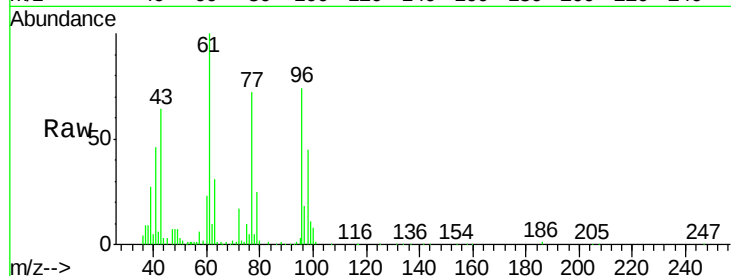


#27

cis-1,2-Dichloroethene
Concen: 18.385 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

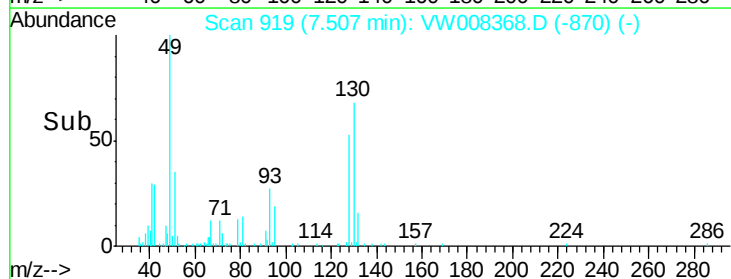
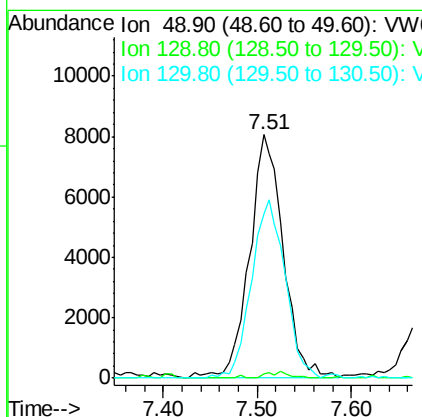
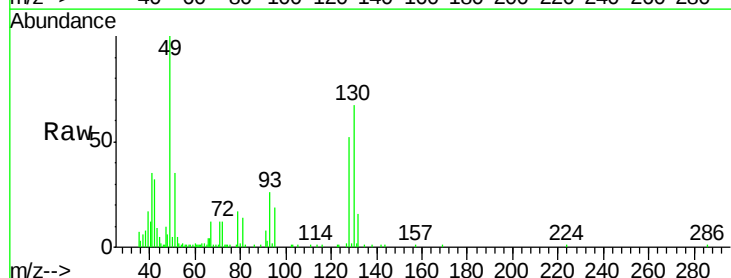
Tot Ion: 96 Resp: 30475
Ion Ratio Lower Upper
96 100
61 141.8 0.0 272.2
98 63.4 0.0 129.4

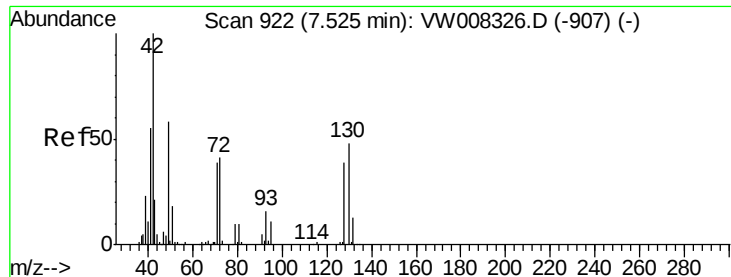


#28

Bromochloromethane
Concen: 18.125 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 49 Resp: 20215
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.6
130 73.4 0.0 0.0#

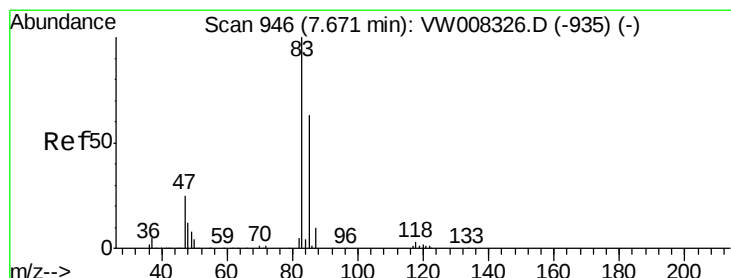
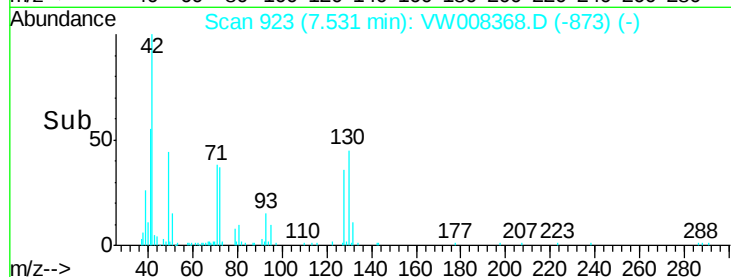
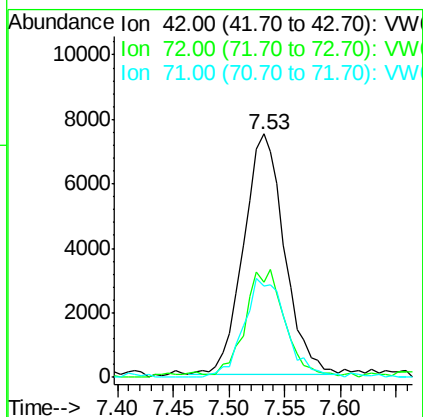
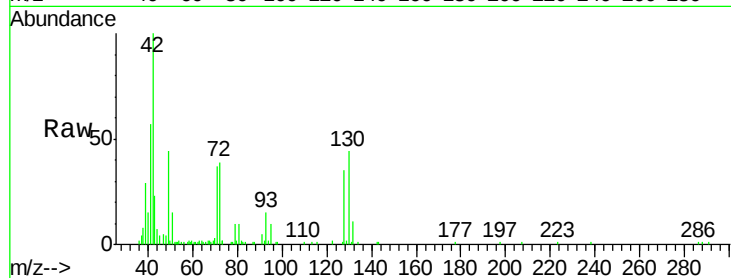




#29
Tetrahydrofuran
Concen: 73.933 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

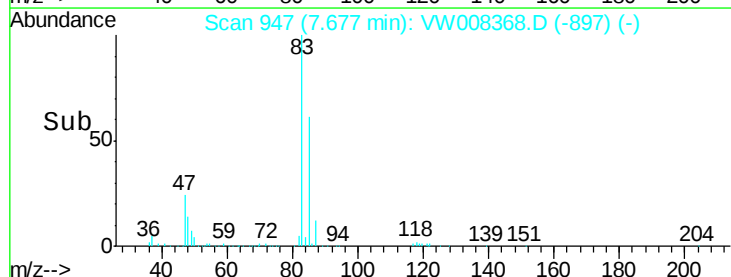
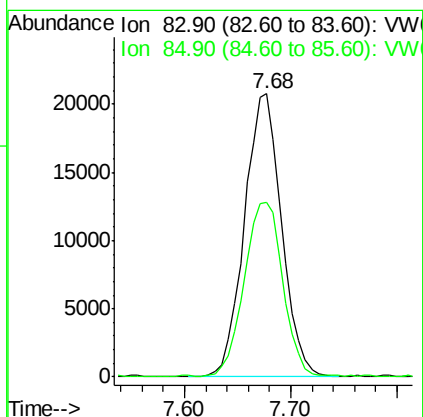
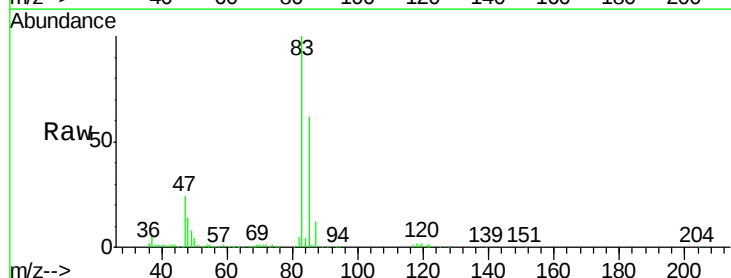
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

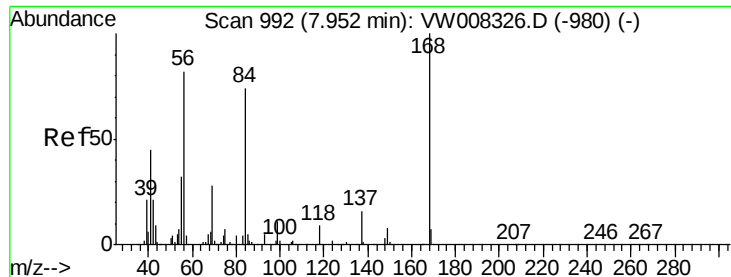
Tot Ion: 42 Resp: 18933
Ion Ratio Lower Upper
42 100
72 44.1 34.0 51.0
71 42.5 32.0 48.0



#30
Chloroform
Concen: 18.974 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 83 Resp: 50819
Ion Ratio Lower Upper
83 100
85 61.3 50.2 75.2

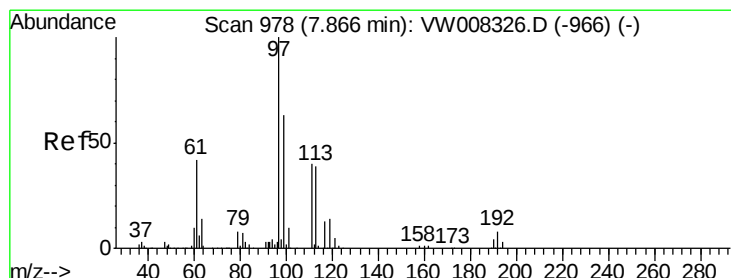
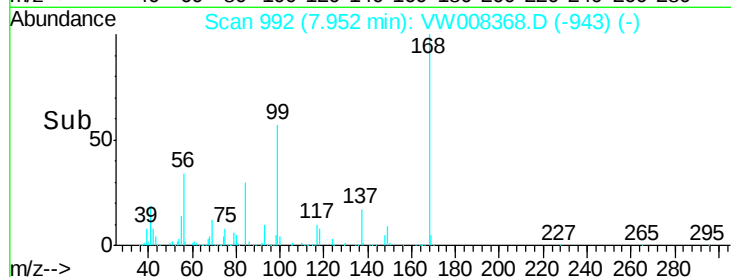
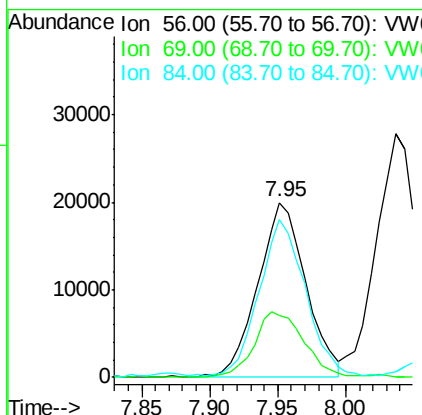
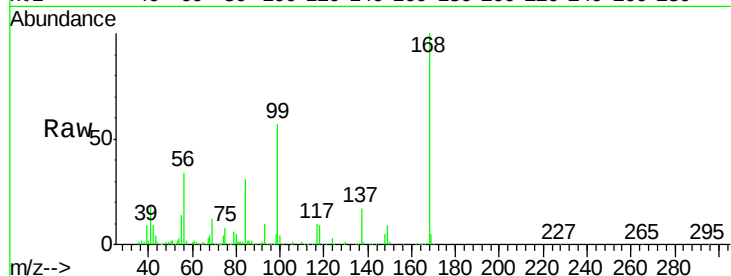




#31
Cyclohexane
Concen: 19.081 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

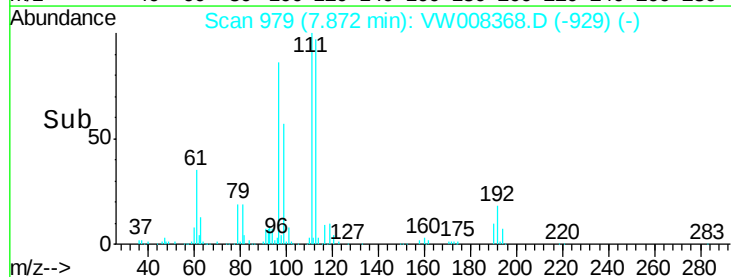
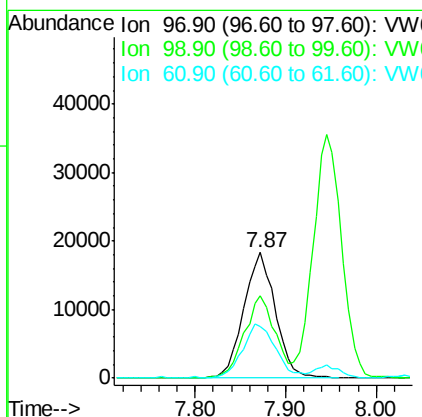
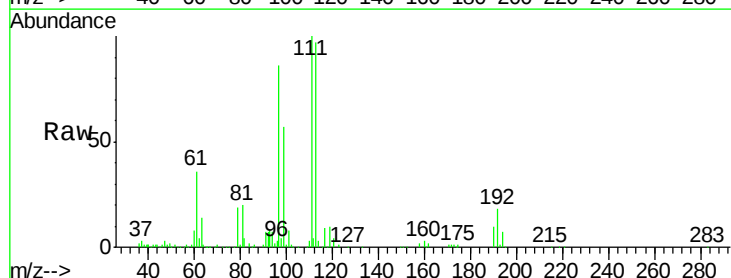
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

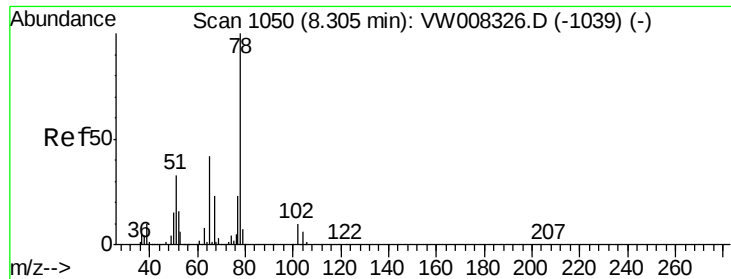
Tot Ion: 56 Resp: 49214
Ion Ratio Lower Upper
56 100
69 35.4 27.0 40.6
84 89.4 72.5 108.7



#32
1,1,1-Trichloroethane
Concen: 19.738 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 97 Resp: 44368
Ion Ratio Lower Upper
97 100
99 63.5 51.1 76.7
61 45.6 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 42.265 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

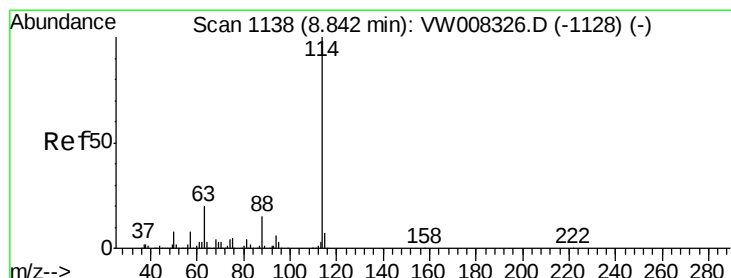
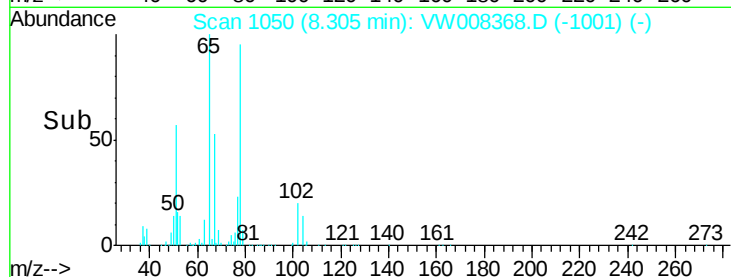
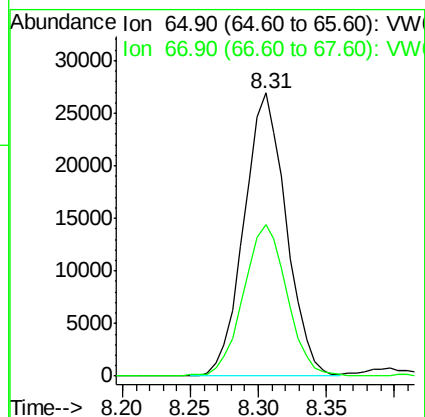
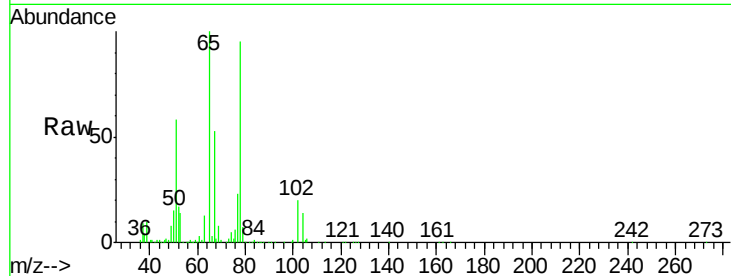
VW0121SBS01

Tot Ion: 65 Resp: 58367

Ion Ratio Lower Upper

65 100

67 55.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

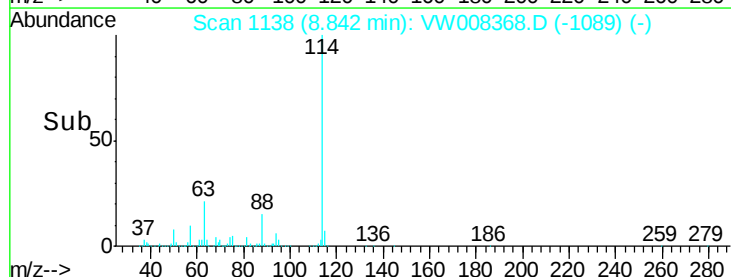
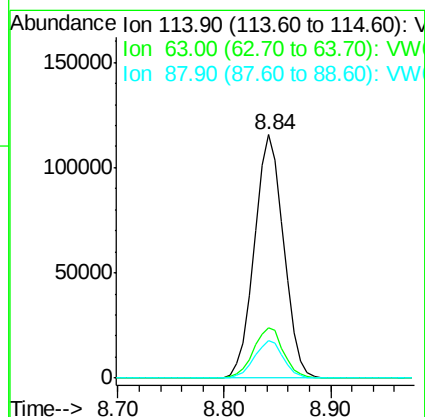
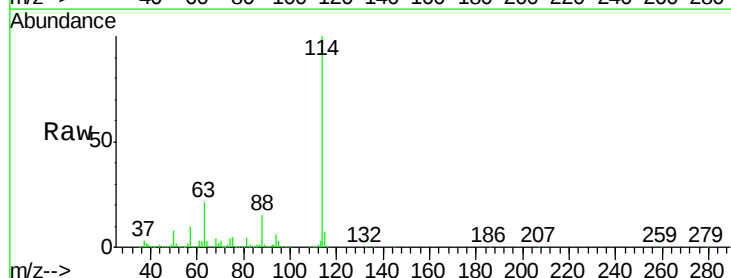
Tgt Ion: 114 Resp: 223182

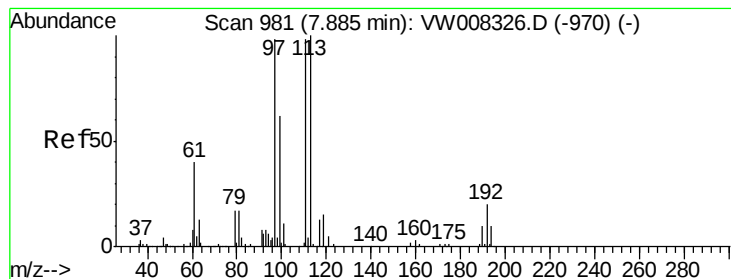
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 42.566 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

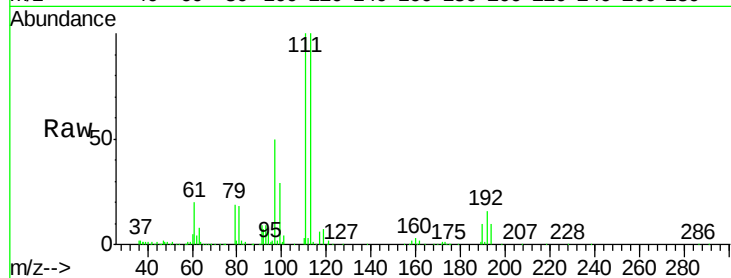
Tot Ion:113 Resp: 60642

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

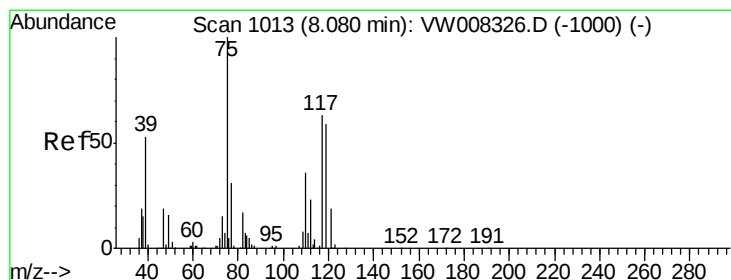
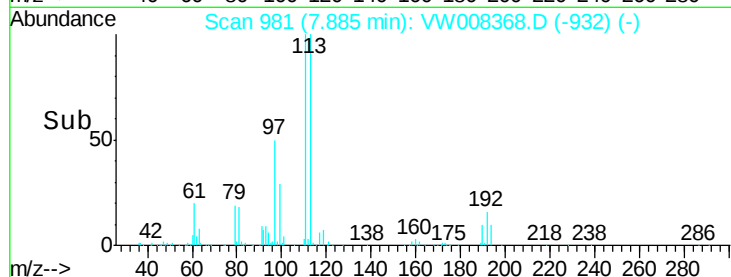
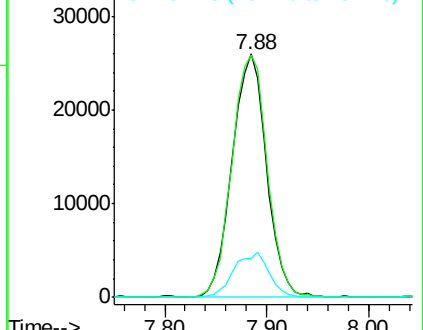
192 18.8 16.3 24.5



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: 18.510 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

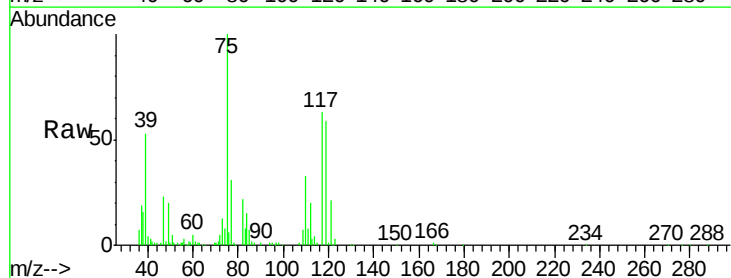
Tgt Ion: 75 Resp: 41563

Ion Ratio Lower Upper

75 100

110 34.4 17.5 52.6

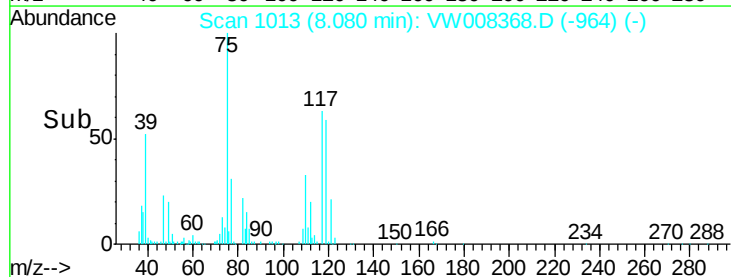
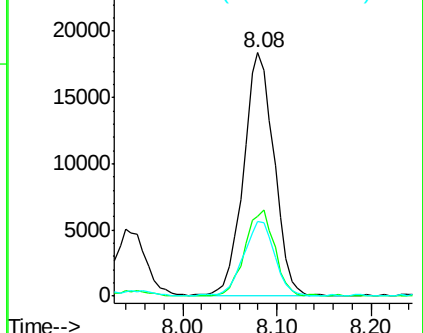
77 31.6 25.0 37.6

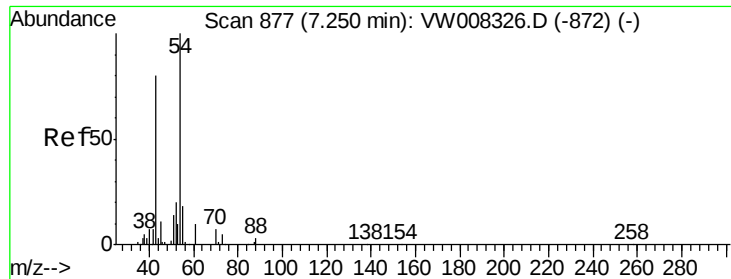


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

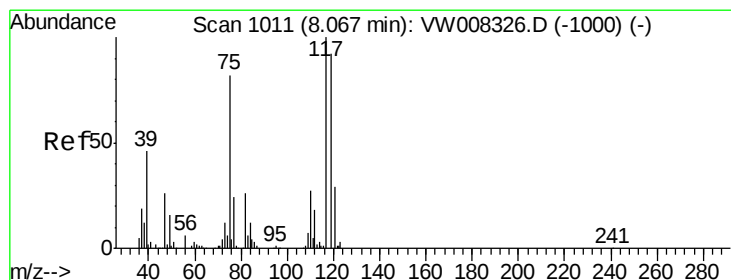
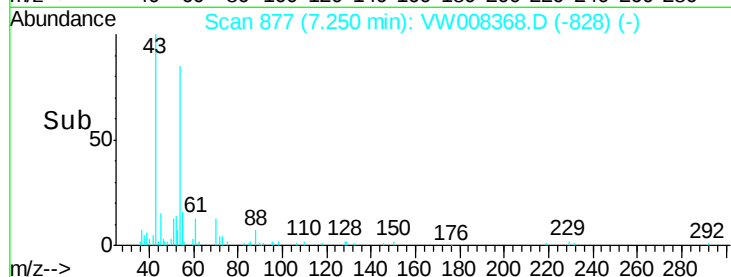
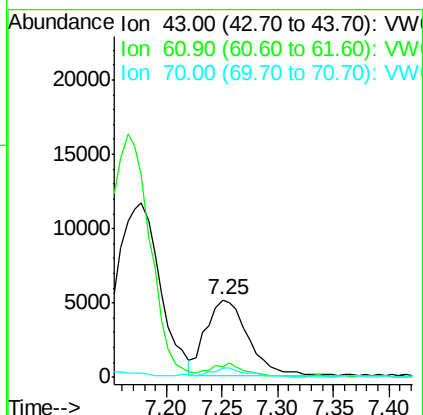
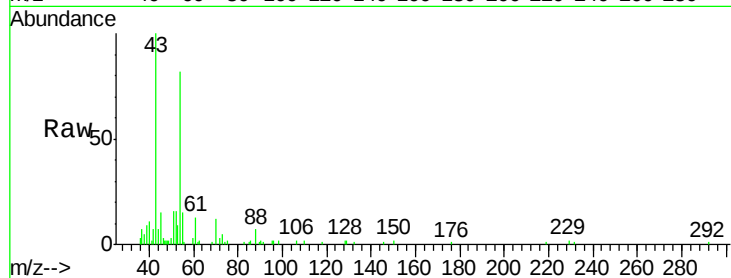




#37
Ethyl Acetate
Concen: 14.347 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

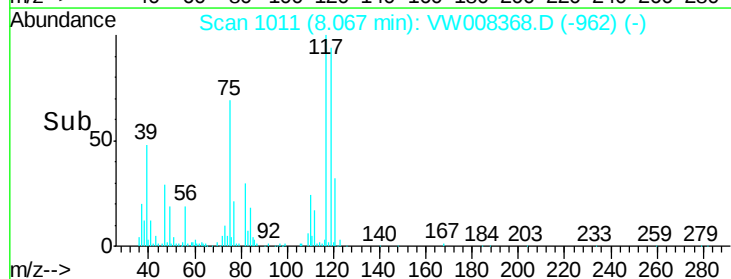
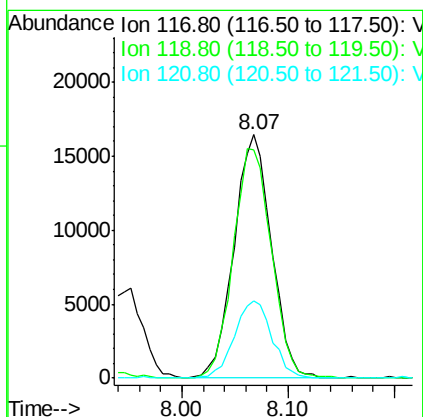
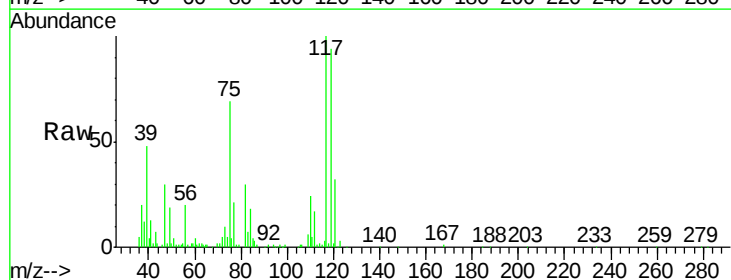
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

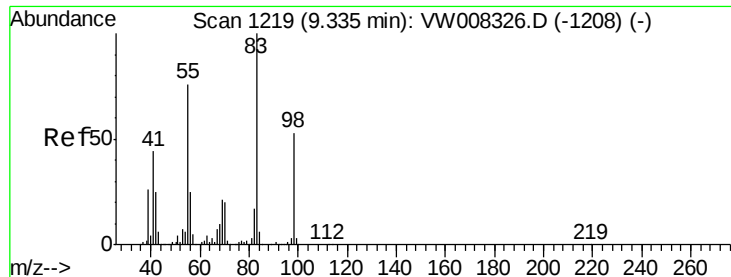
Tot Ion: 43 Resp: 13285
Ion Ratio Lower Upper
43 100
61 15.8 11.5 17.3
70 12.6 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.331 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 117 Resp: 40644
Ion Ratio Lower Upper
117 100
119 93.6 73.8 110.6
121 31.8 23.4 35.0

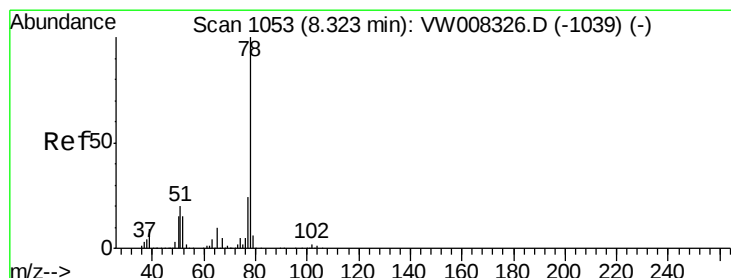
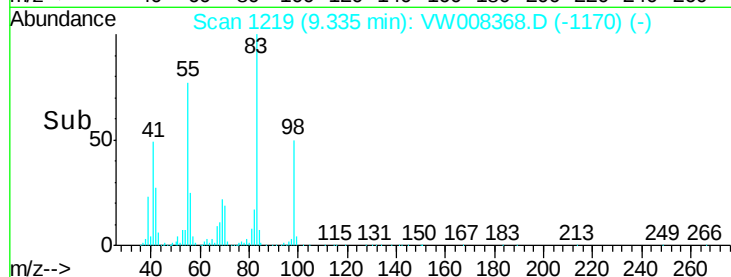
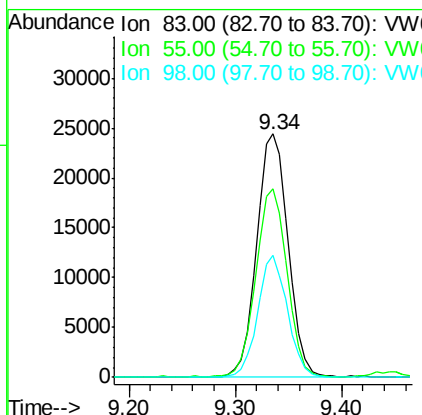
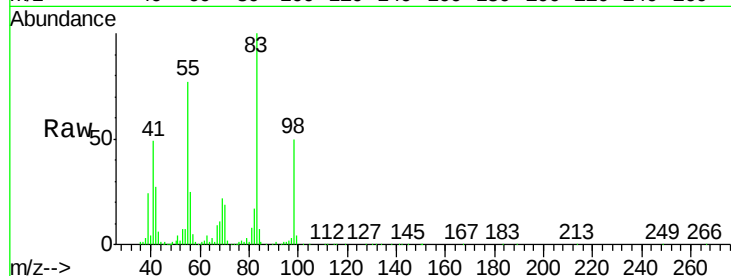




#39
Methvlcvclohexane
Concen: 18.893 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

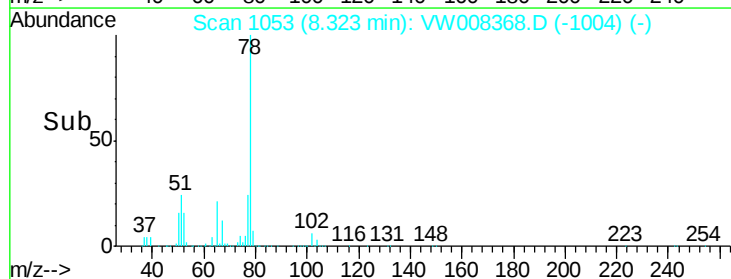
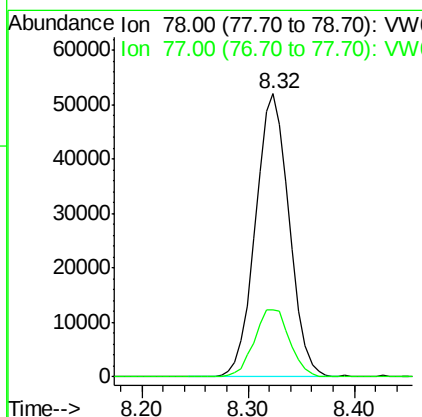
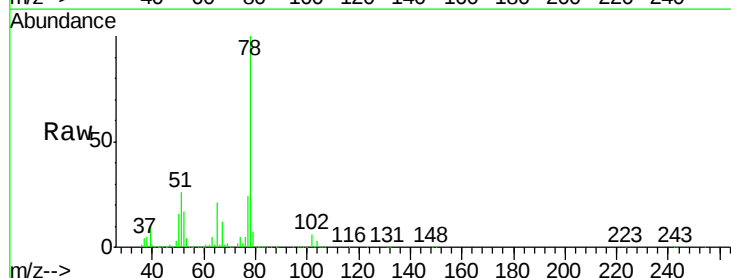
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

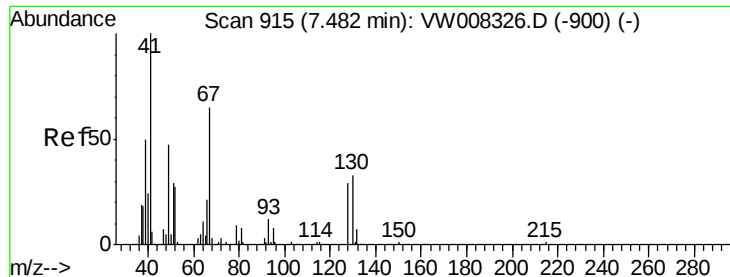
Tot Ion: 83 Resp: 50460
Ion Ratio Lower Upper
83 100
55 77.3 61.1 91.7
98 50.3 42.5 63.7



#40
Benzene
Concen: 18.145 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 78 Resp: 115409
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0





#41

Methacrylonitrile

Concen: 13.949 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

Tot Ion: 41 Resp: 7519

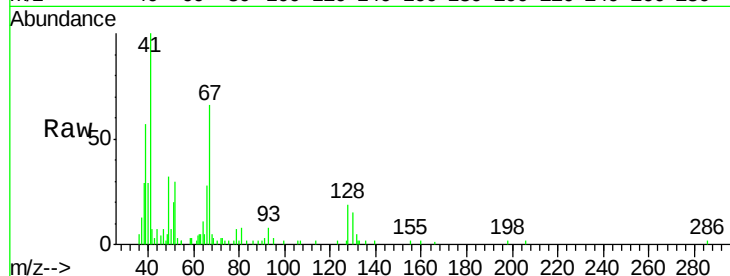
Ion Ratio Lower Upper

41 100

39 67.3 44.9 67.3#

67 85.0 56.9 85.3

52 45.4 24.4 36.6#

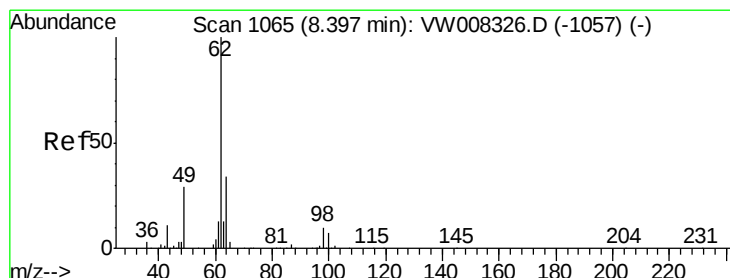
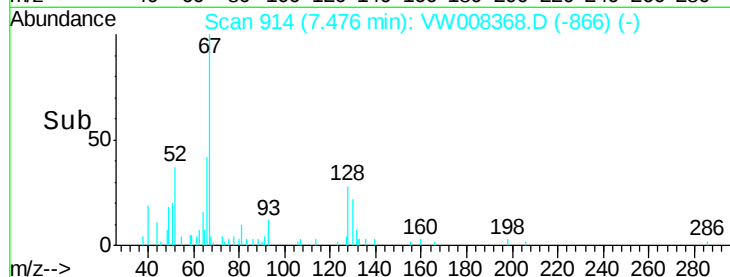
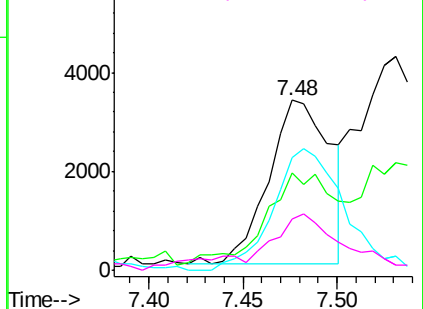


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 17.514 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW008368.D

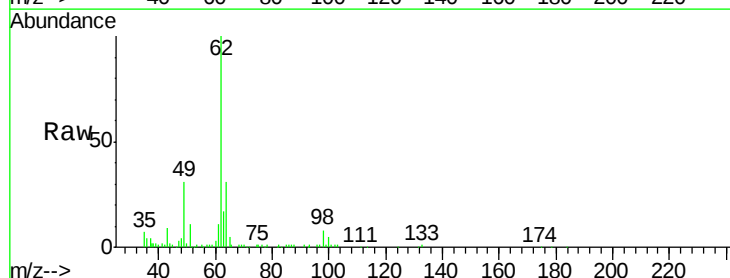
Acq: 21 Jan 2019 12:07

Tgt Ion: 62 Resp: 31150

Ion Ratio Lower Upper

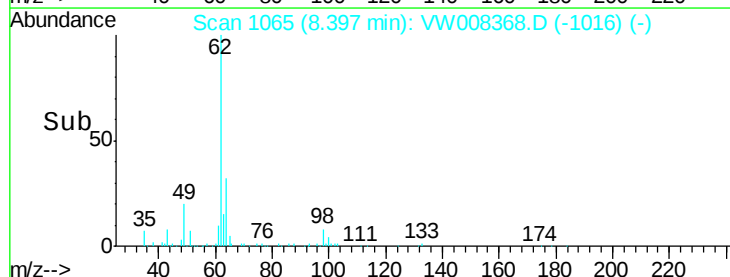
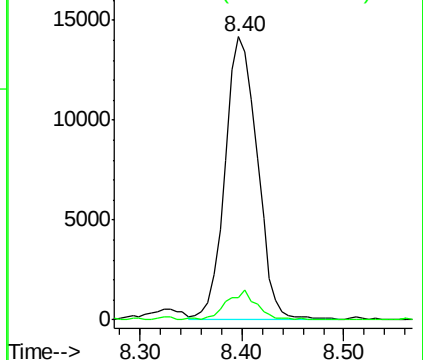
62 100

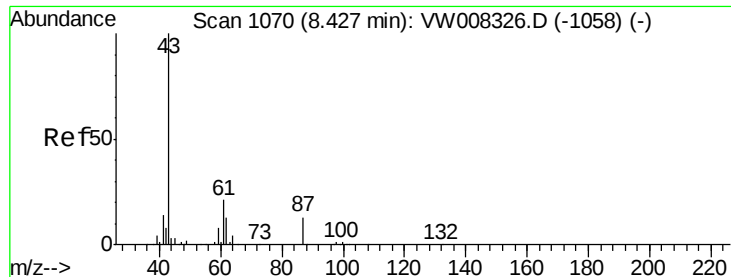
98 10.0 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 15.384 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

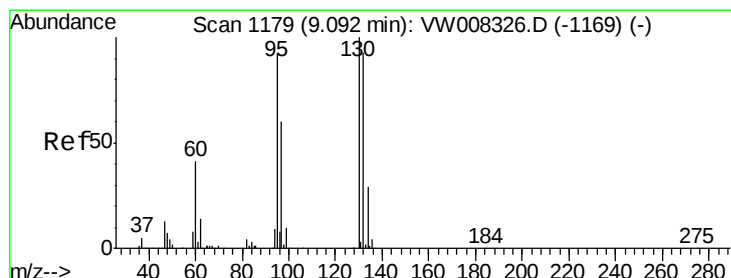
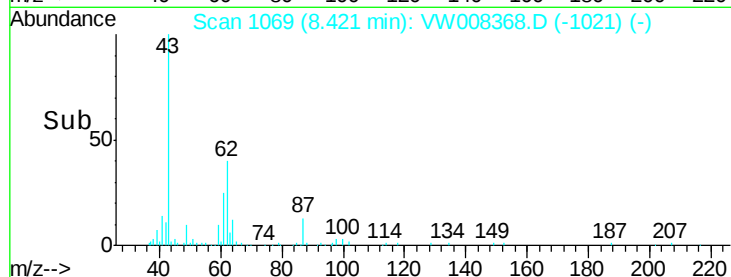
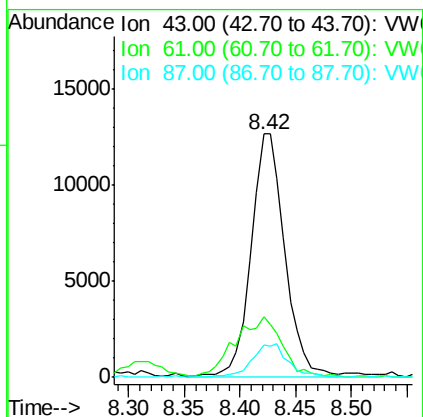
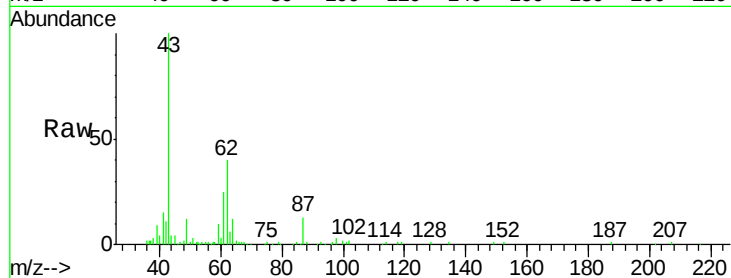
Tot Ion: 43 Resp: 26907

Ion Ratio Lower Upper

43 100

61 34.7 24.8 37.2

87 14.4 10.7 16.1



#44

Trichloroethene

Concen: 17.701 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008368.D

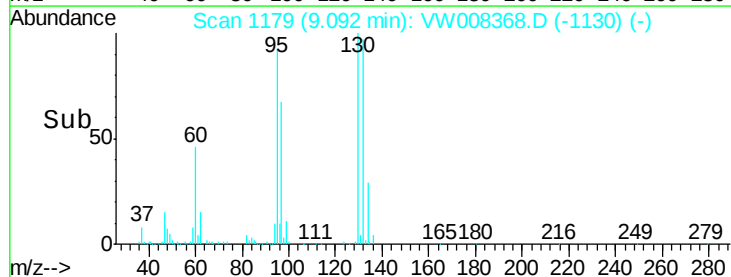
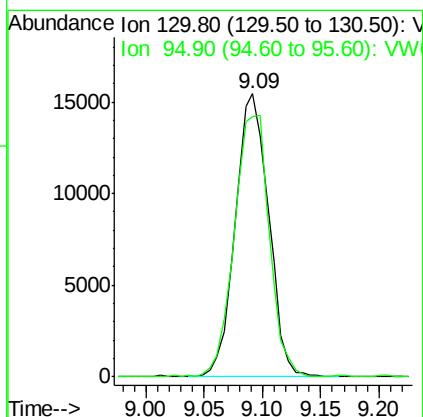
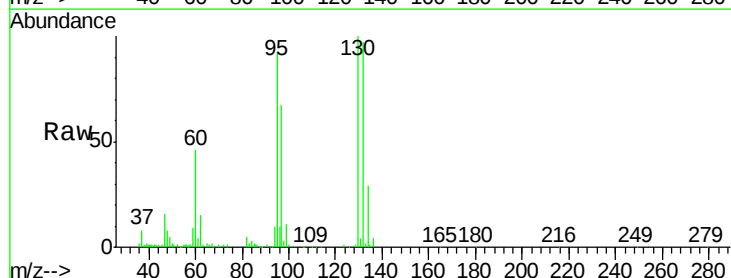
Acq: 21 Jan 2019 12:07

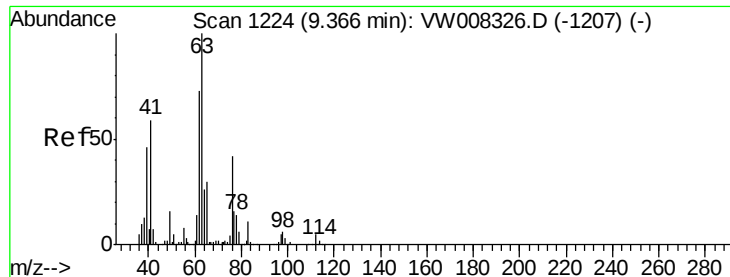
Tgt Ion: 130 Resp: 30845

Ion Ratio Lower Upper

130 100

95 91.6 0.0 184.8





#45

1,2-Dichloropropane

Concen: 17.908 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

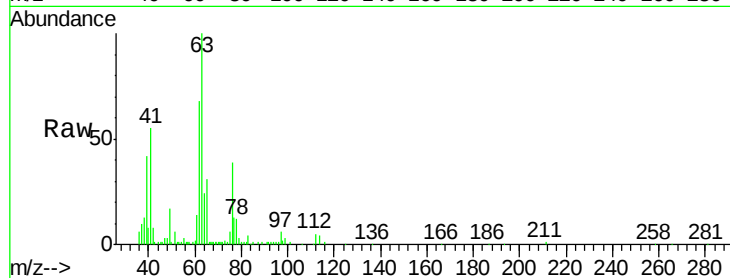
VW0121SBS01

Tot Ion: 63 Resp: 28293

Ion Ratio Lower Upper

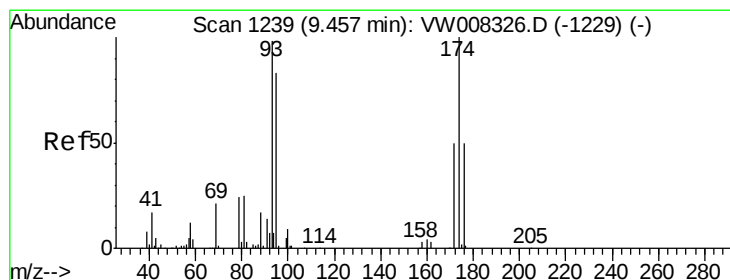
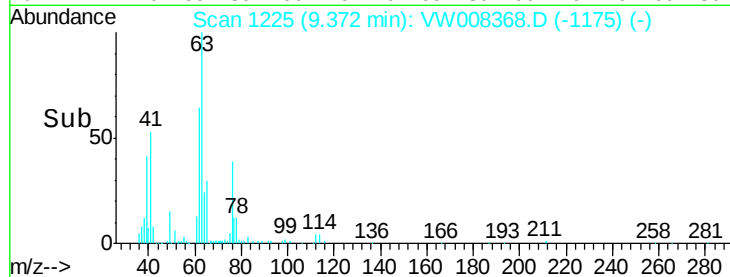
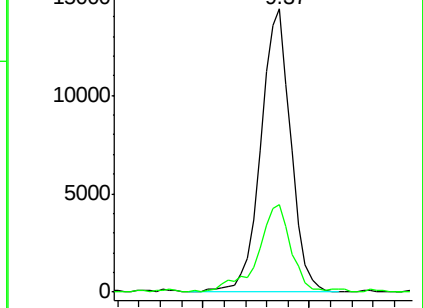
63 100

65 30.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 16.625 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

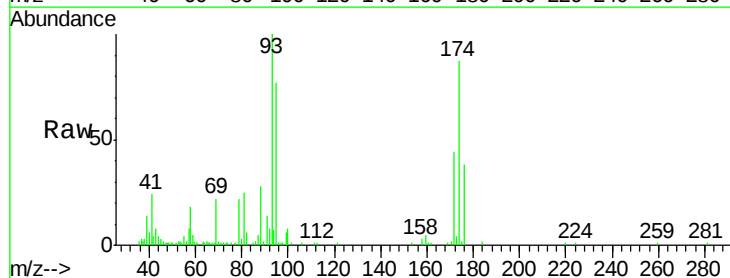
Tgt Ion: 93 Resp: 13690

Ion Ratio Lower Upper

93 100

95 81.7 67.8 101.8

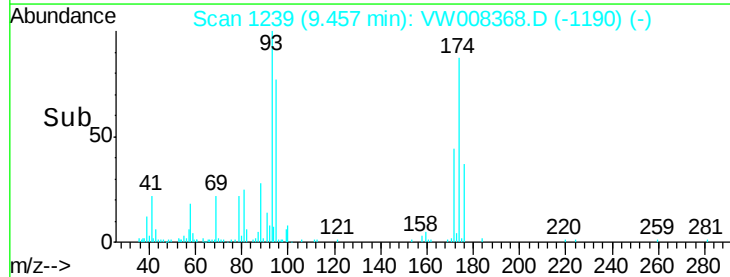
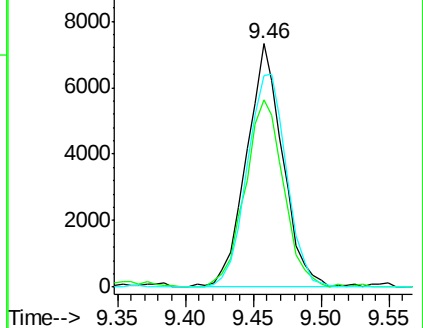
174 94.9 84.4 126.6

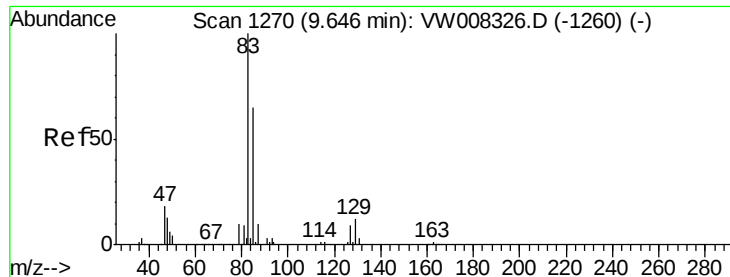


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.938 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

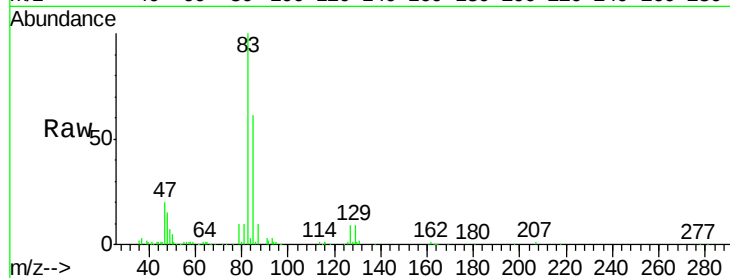
Tot Ion: 83 Resp: 36435

Ion Ratio Lower Upper

83 100

85 60.5 51.6 77.4

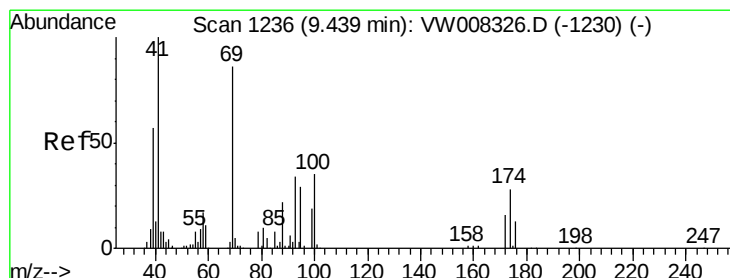
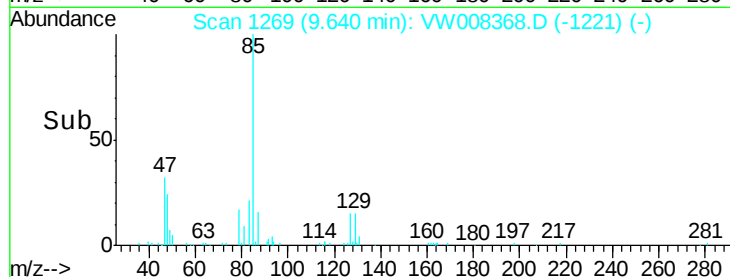
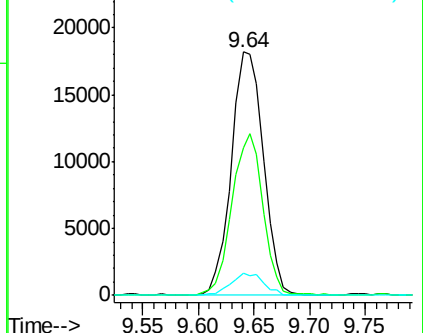
127 9.4 6.8 10.2



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: 15.136 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

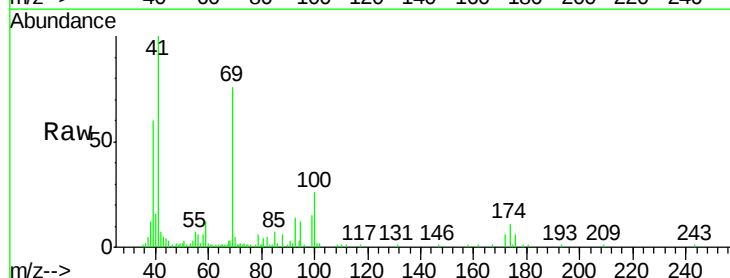
Tgt Ion: 41 Resp: 12463

Ion Ratio Lower Upper

41 100

69 89.2 68.2 102.4

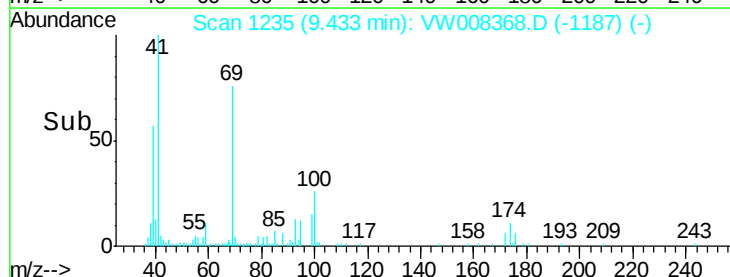
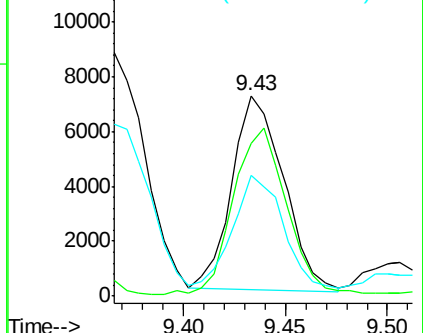
39 56.2 46.0 69.0

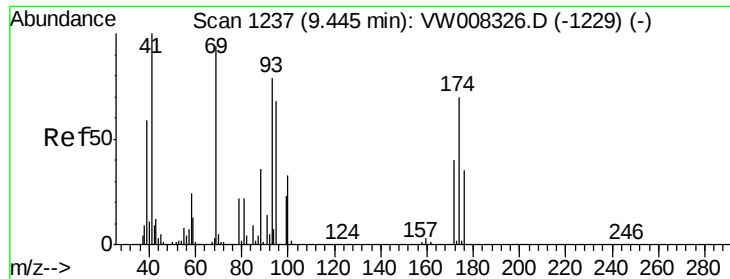


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

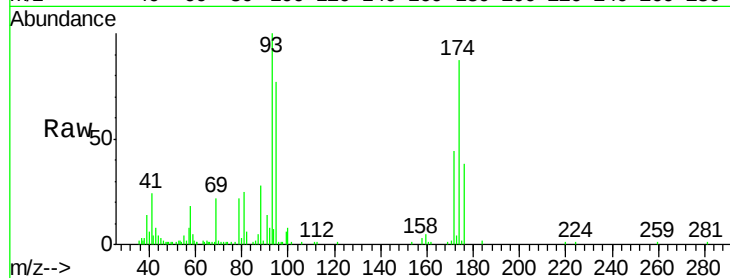




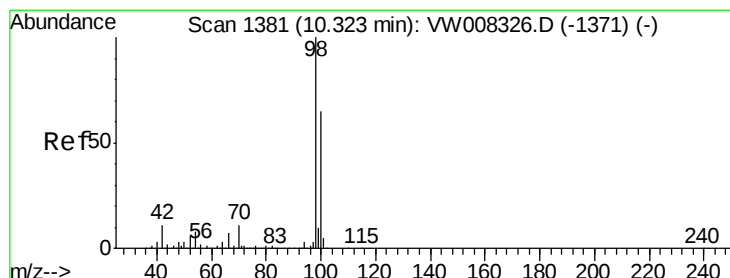
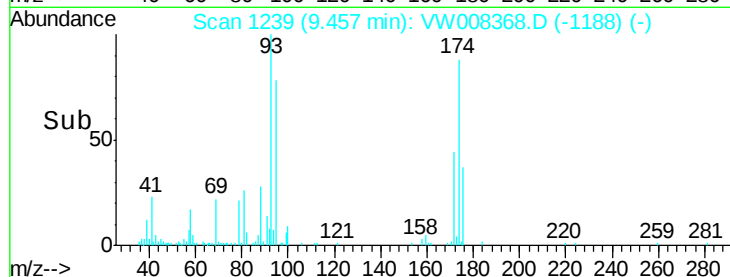
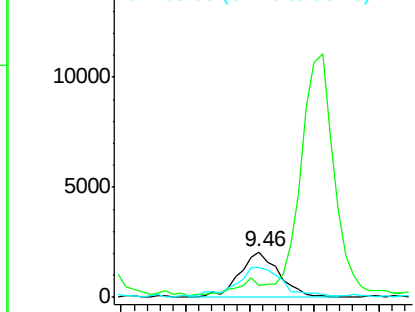
#49
1,4-Dioxane
Concen: 330.720 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

Tot Ion: 88 Resp: 4384
Ion Ratio Lower Upper
88 100
43 19.3 27.1 40.7#
58 80.7 57.9 86.9

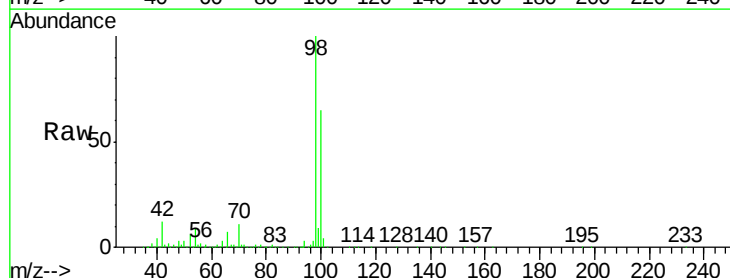


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

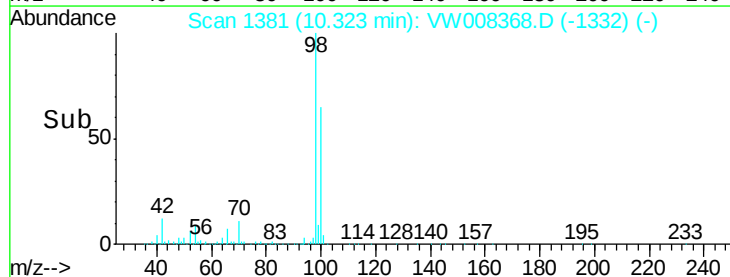
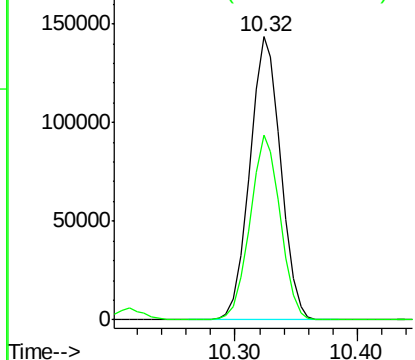


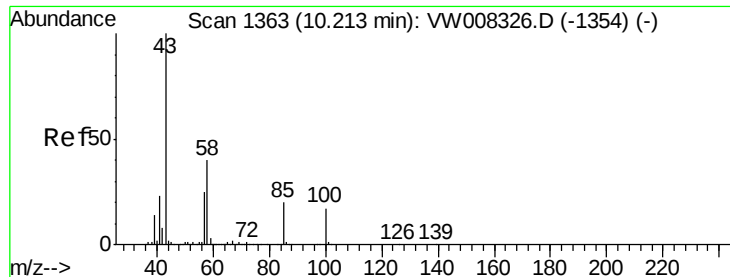
#50
Toluene-d8
Concen: 45.021 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 98 Resp: 251976
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



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: 71.261 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

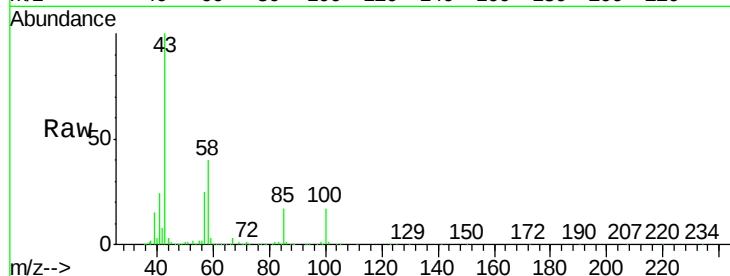
VW0121SBS01

Tot Ion: 43 Resp: 63112

Ion Ratio Lower Upper

43 100

58 39.3 31.4 47.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

40000

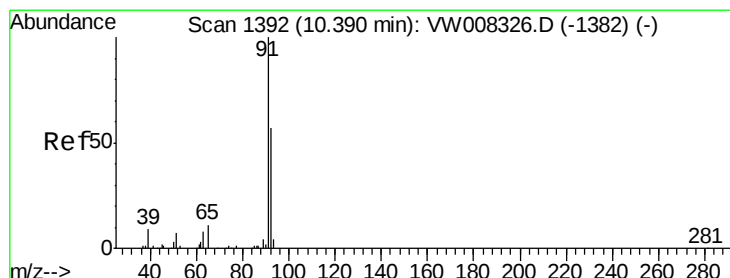
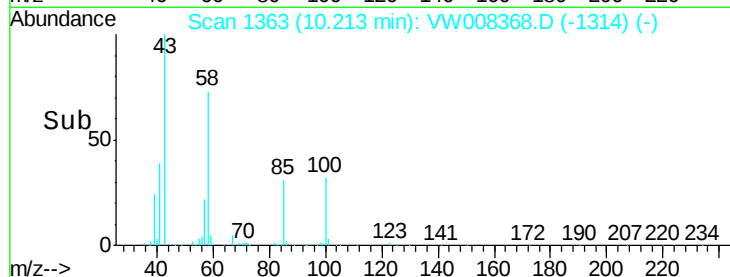
30000

20000

10000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 18.430 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008368.D

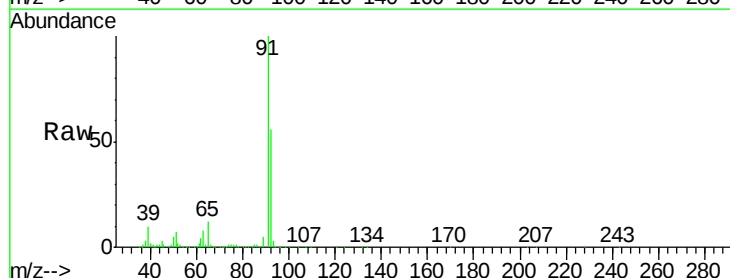
Acq: 21 Jan 2019 12:07

Tgt Ion: 92 Resp: 74184

Ion Ratio Lower Upper

92 100

91 171.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

80000

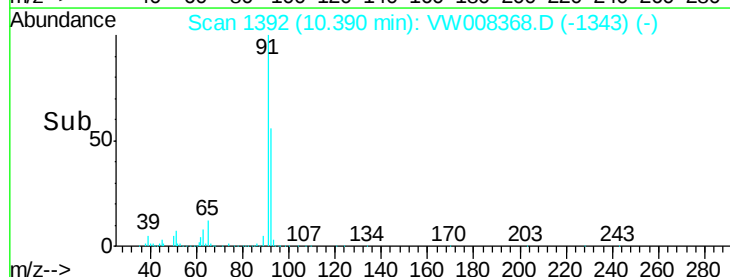
60000

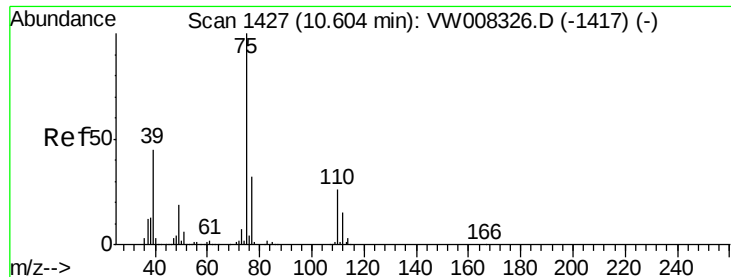
40000

20000

0

Time--> 10.30 10.40





#53

t-1,3-Dichloropropene

Concen: 16.560 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

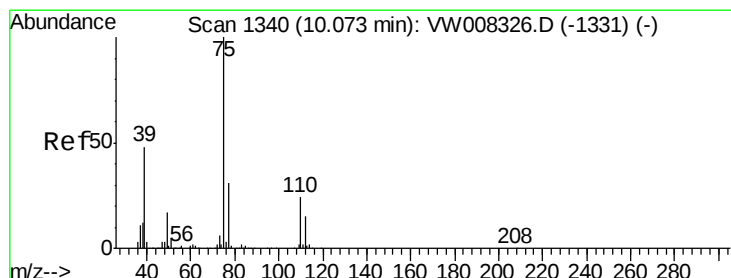
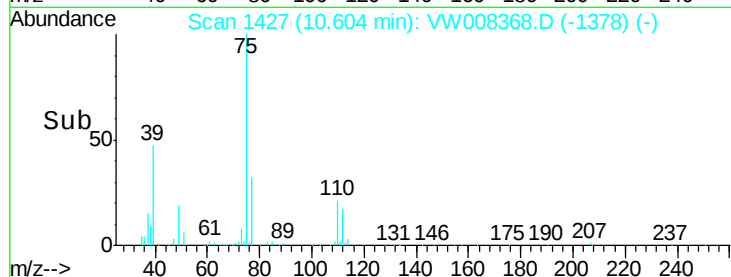
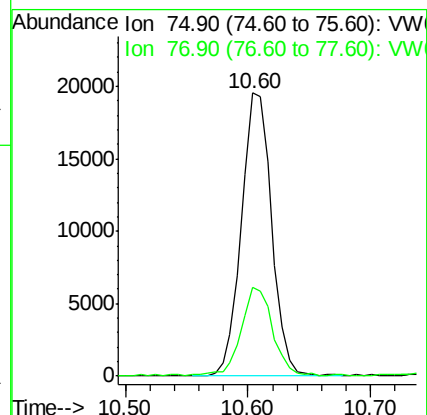
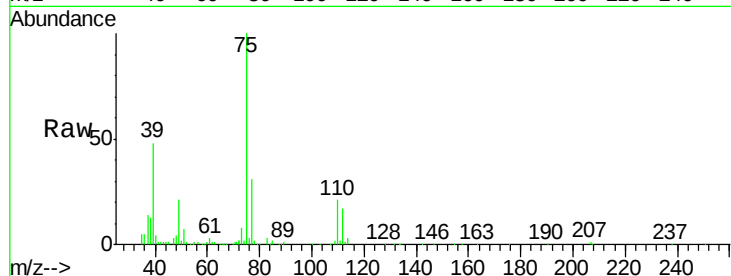
VW0121SBS01

Tot Ion: 75 Resp: 33572

Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 17.159 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

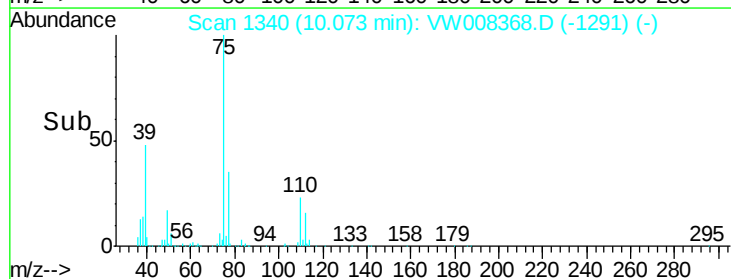
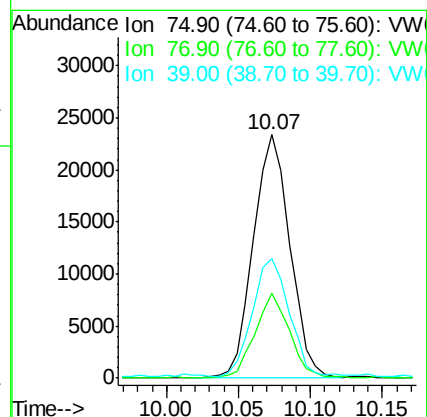
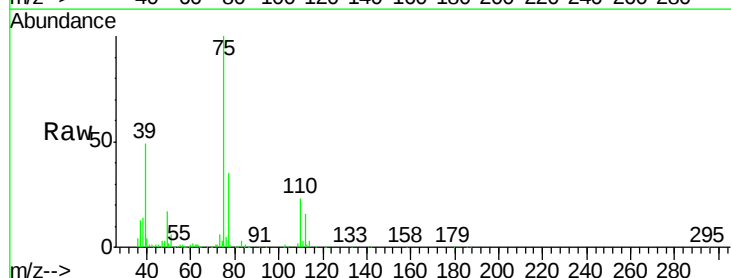
Tgt Ion: 75 Resp: 41006

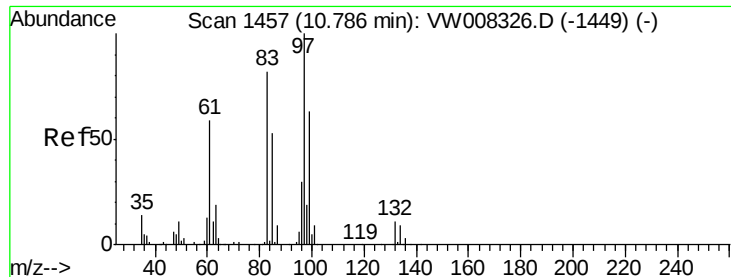
Ion Ratio Lower Upper

75 100

77 34.7 24.4 36.6

39 48.2 38.6 57.8

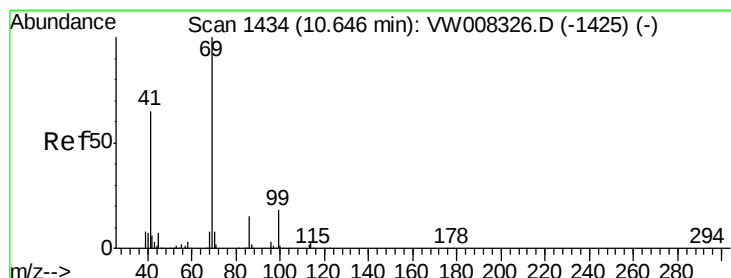
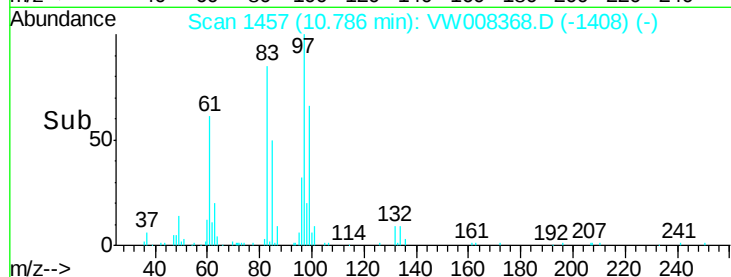
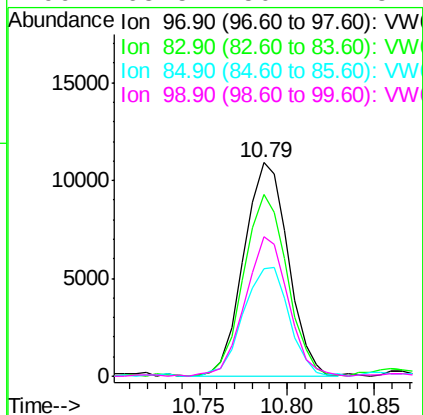
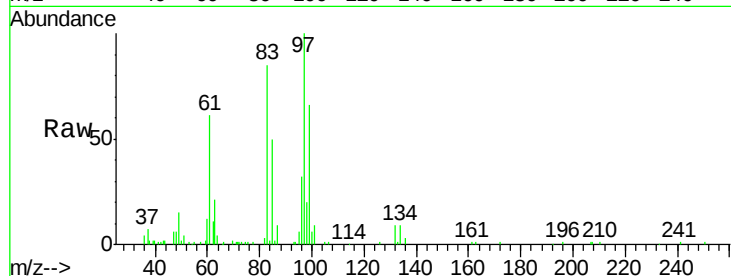




#55
 1,1,2-Trichloroethane
 Concen: 17.019 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

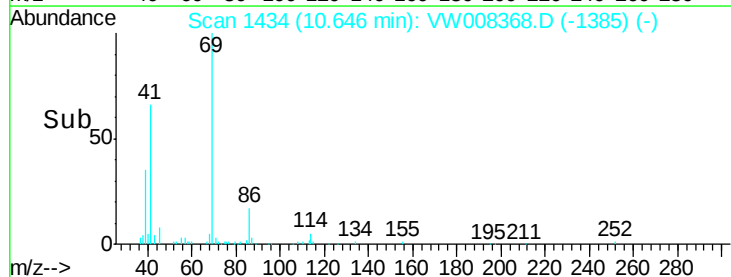
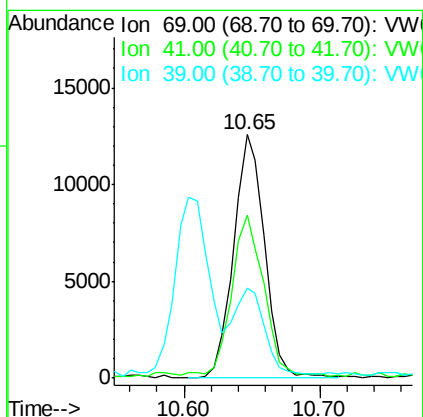
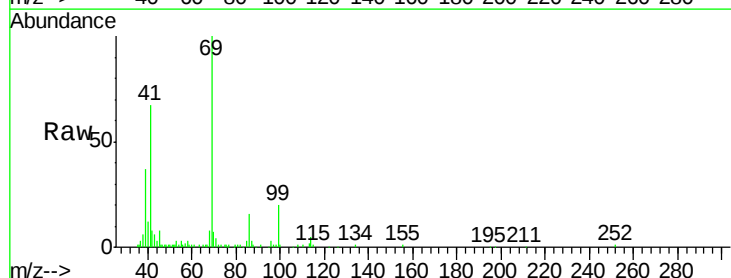
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0121SBS01

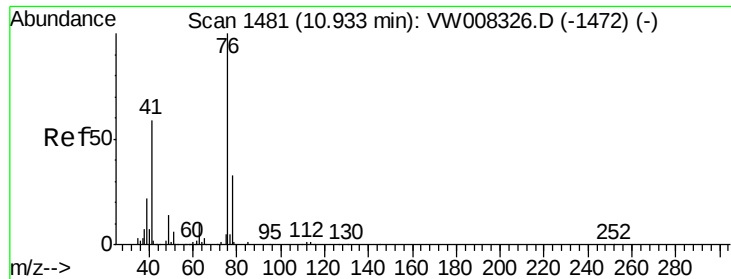
Tot Ion:	97	Resp:	19438
Ion	Ratio	Lower	Upper
97	100		
83	84.9	65.3	97.9
85	50.1	42.6	64.0
99	65.5	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 14.832 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

Tgt Ion:	69	Resp:	19894
Ion	Ratio	Lower	Upper
69	100		
41	68.0	52.9	79.3
39	35.4	28.4	42.6

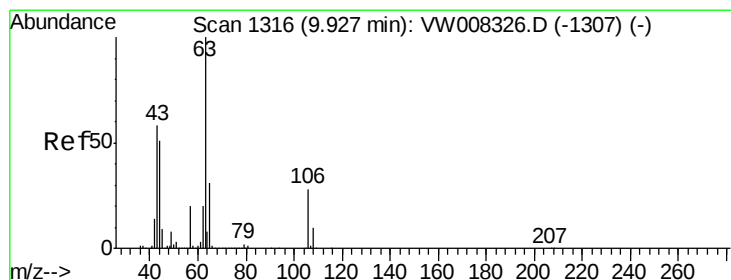
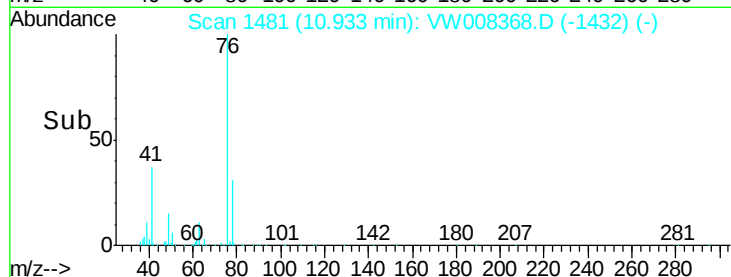
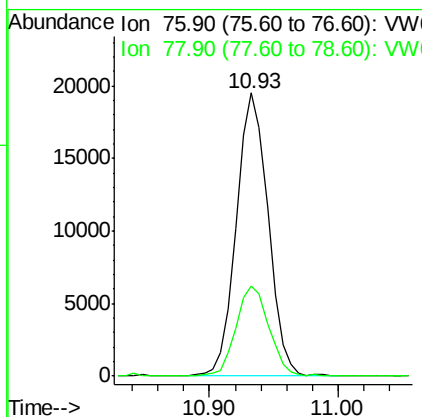
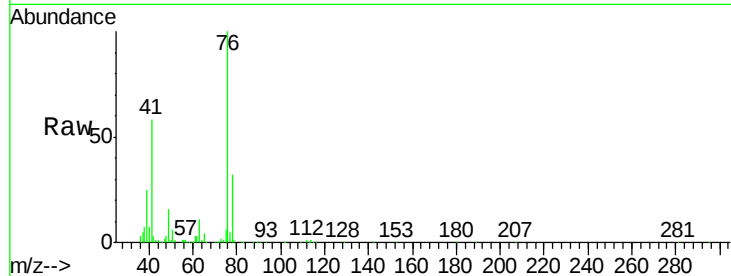




#57
 1,3-Dichloropropane
 Concen: 16.795 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

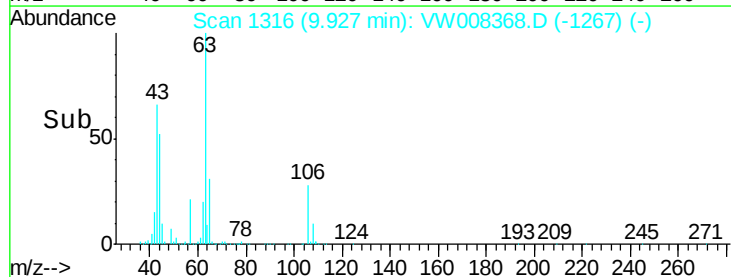
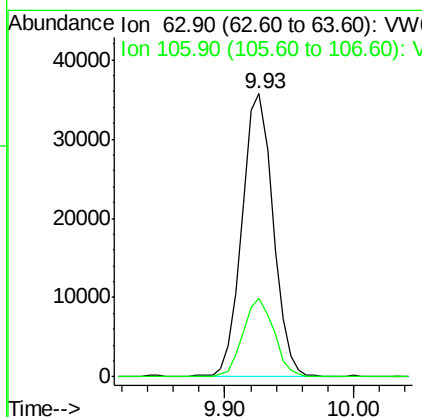
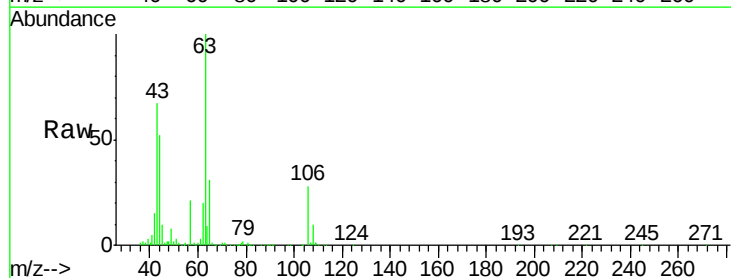
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0121SBS01

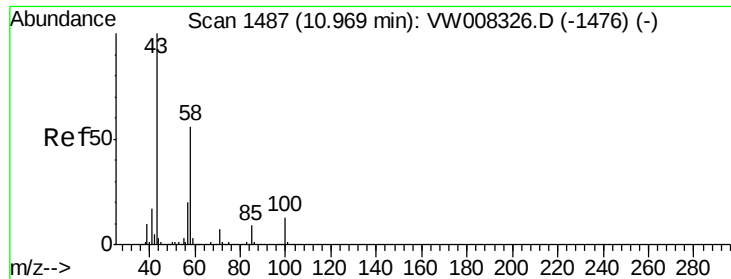
Tot Ion: 76 Resp: 33305
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.333 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

Tgt Ion: 63 Resp: 59739
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.9 34.3





#59

2-Hexanone

Concen: 72.893 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

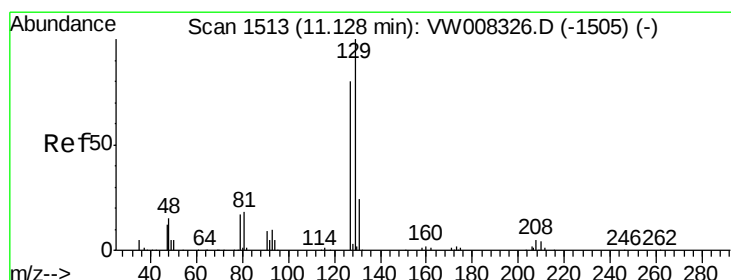
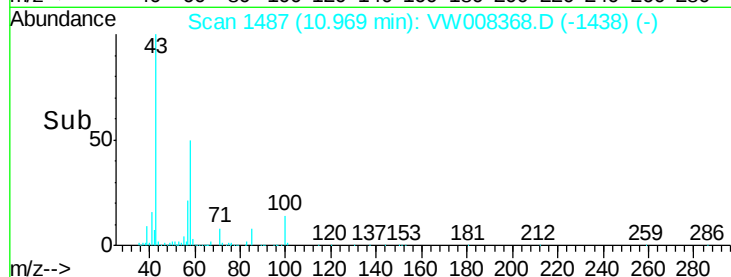
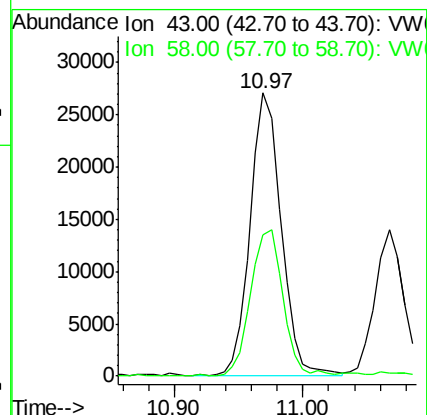
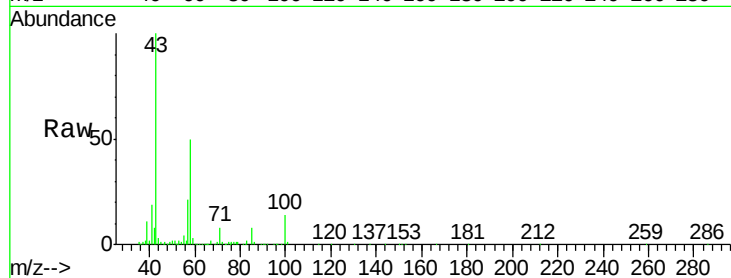
VW0121SBS01

Tot Ion: 43 Resp: 45233

Ion Ratio Lower Upper

43 100

58 53.9 27.5 82.5



#60

Dibromochloromethane

Concen: 16.441 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW008368.D

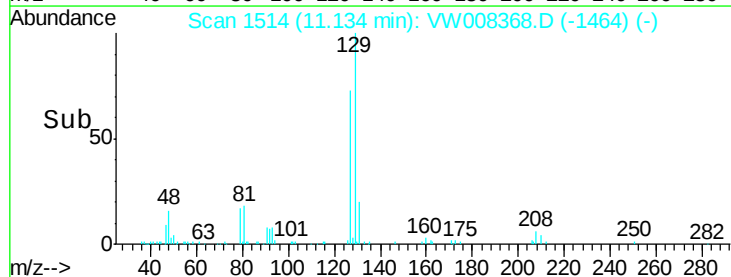
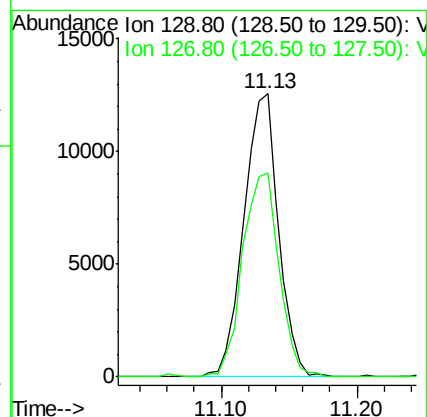
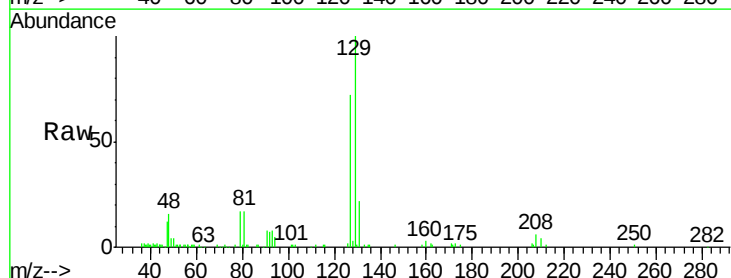
Acq: 21 Jan 2019 12:07

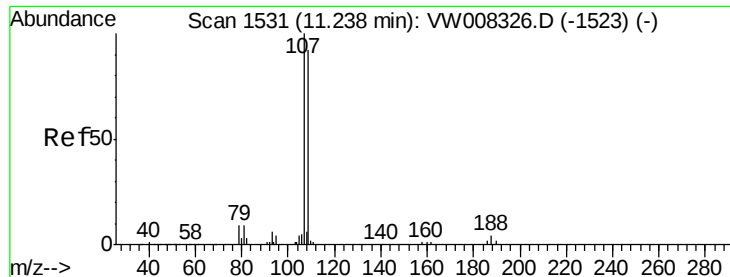
Tgt Ion: 129 Resp: 22411

Ion Ratio Lower Upper

129 100

127 75.6 39.1 117.2





#61

1,2-Dibromoethane

Concen: 16.153 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

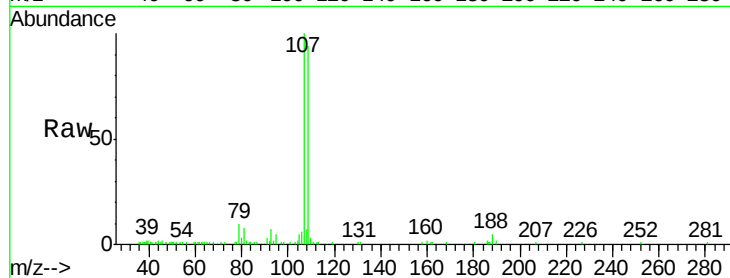
VW0121SBS01

Tot Ion:107 Resp: 17865

Ion Ratio Lower Upper

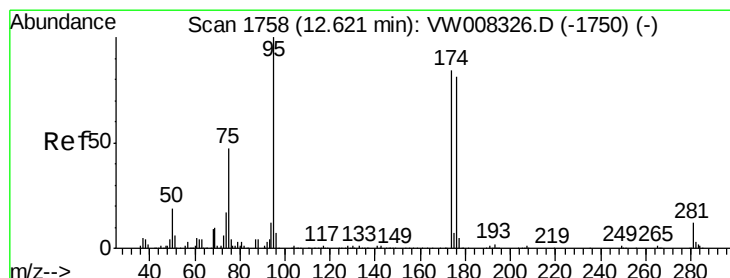
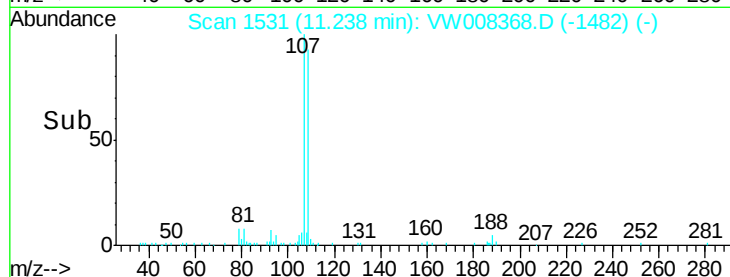
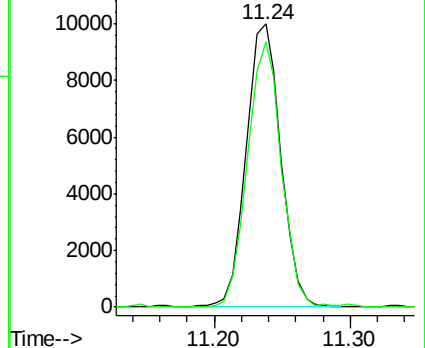
107 100

109 92.1 74.0 111.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.649 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

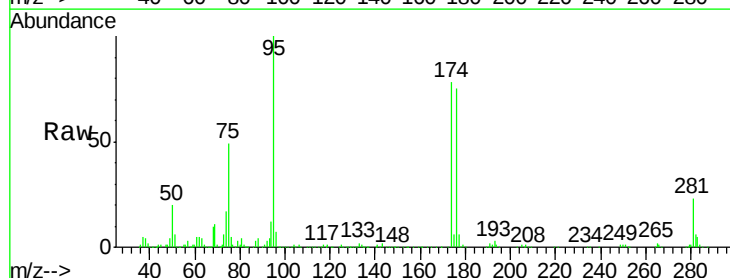
Tgt Ion: 95 Resp: 85608

Ion Ratio Lower Upper

95 100

174 79.5 0.0 166.0

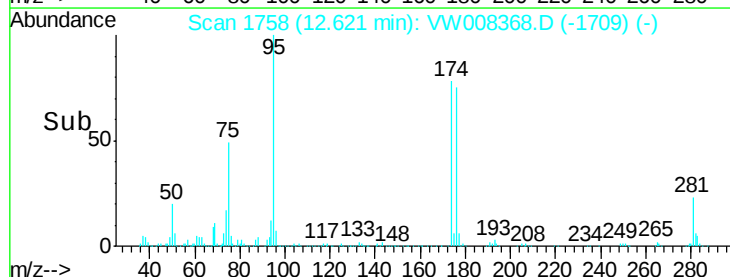
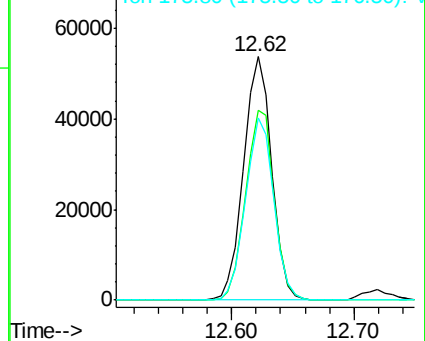
176 75.5 0.0 160.0

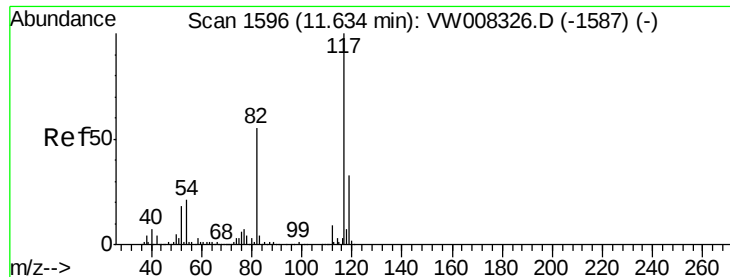


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

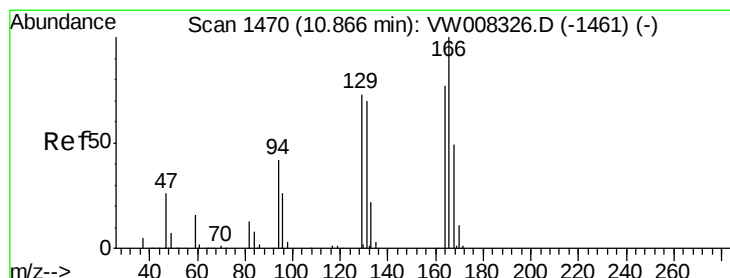
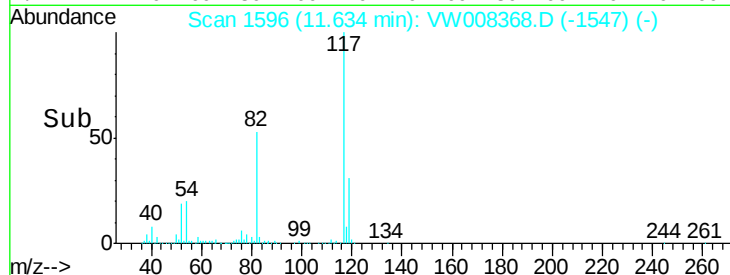
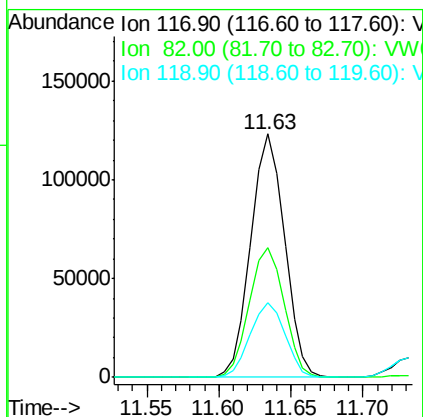
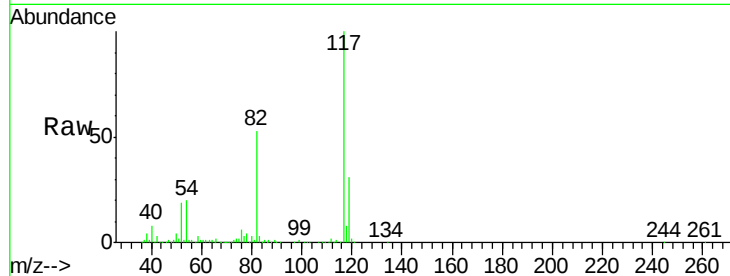




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

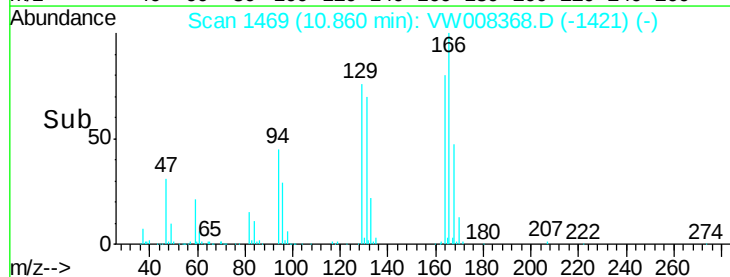
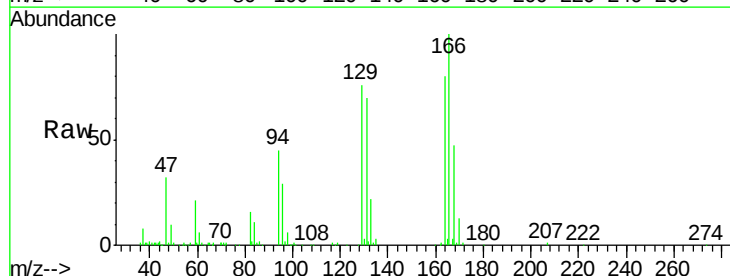
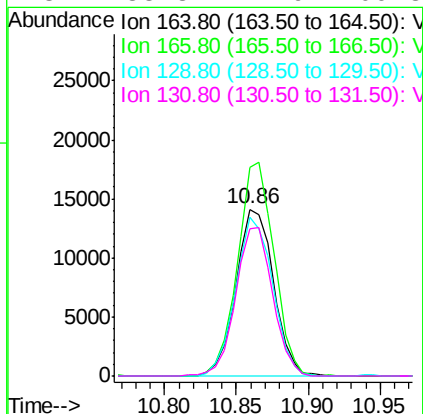
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

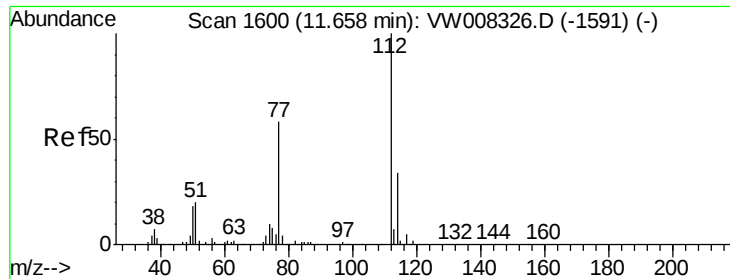
Tot Ion:117 Resp: 200842
Ion Ratio Lower Upper
117 100
82 53.2 44.3 66.5
119 30.8 26.3 39.5



#64
Tetrachloroethene
Concen: 18.188 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion:164 Resp: 25614
Ion Ratio Lower Upper
164 100
166 125.6 103.4 155.2
129 95.0 75.0 112.6
131 88.3 72.9 109.3





#65

Chlorobenzene

Concen: 17.980 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

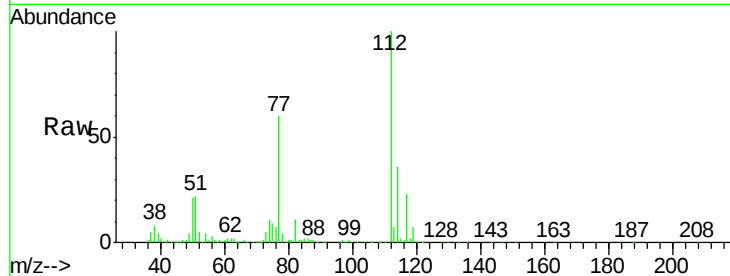
VW0121SBS01

Tot Ion:112 Resp: 78767

Ion Ratio Lower Upper

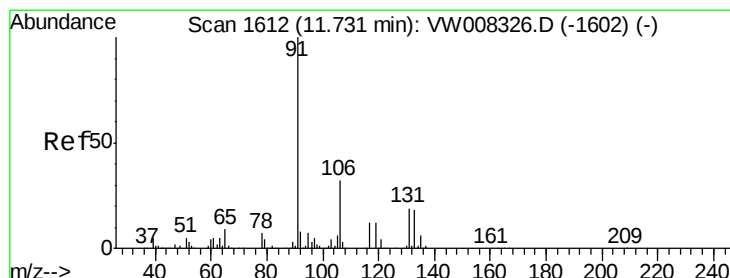
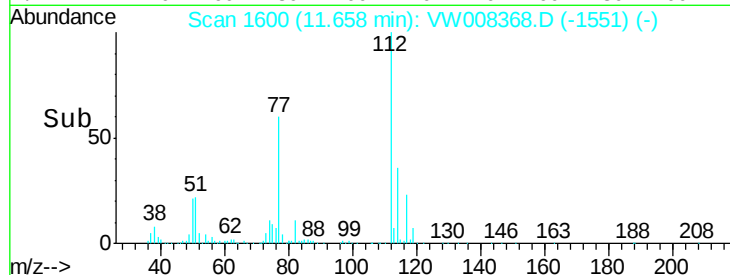
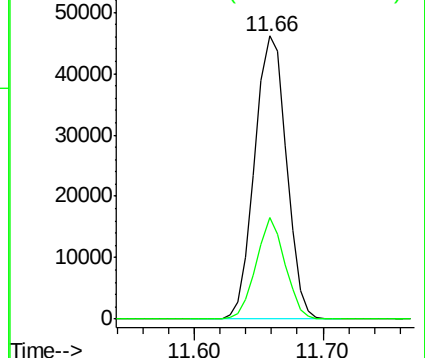
112 100

114 35.7 26.9 40.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.043 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

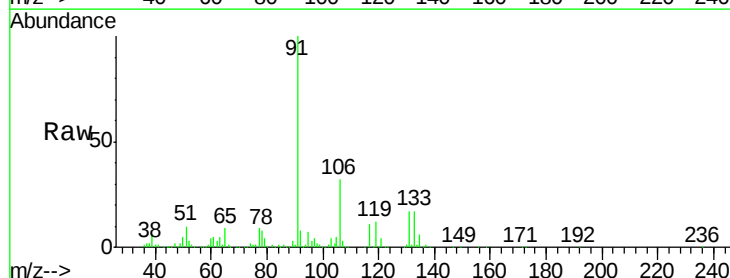
Tgt Ion:131 Resp: 27204

Ion Ratio Lower Upper

131 100

133 95.5 48.2 144.6

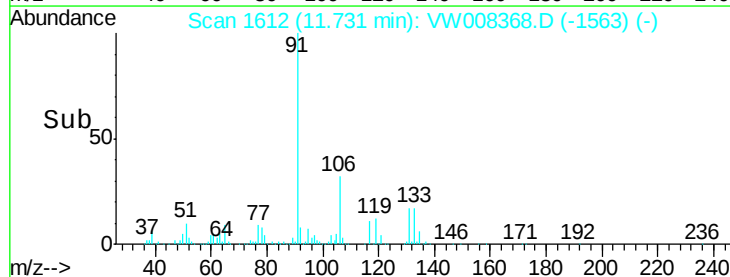
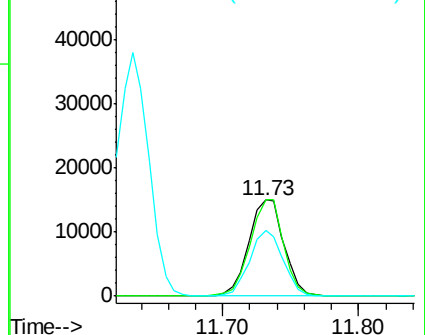
119 65.0 31.6 94.7

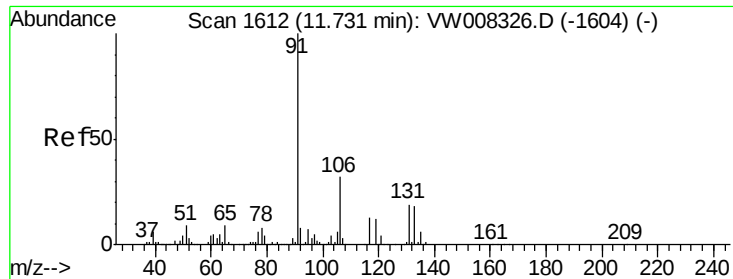


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

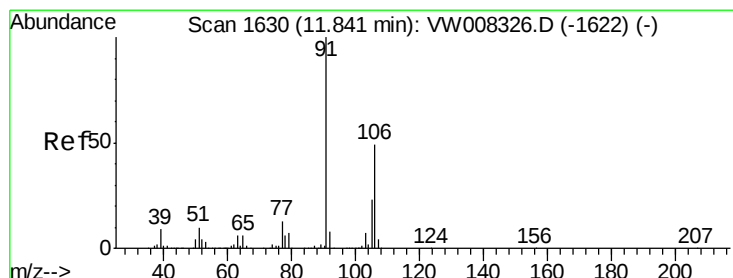
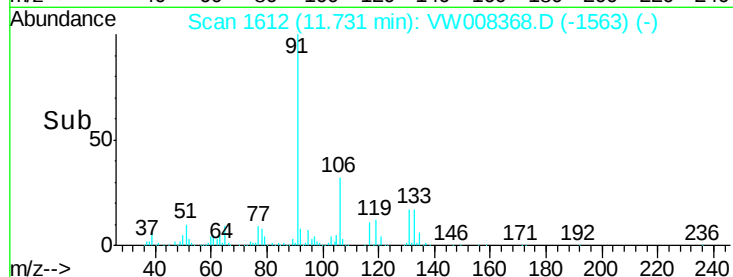
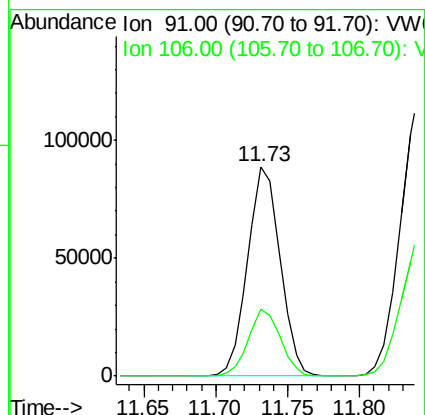
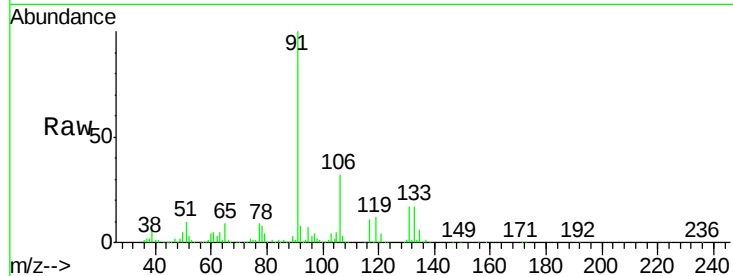




#67
Ethyl Benzene
Concen: 18.303 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

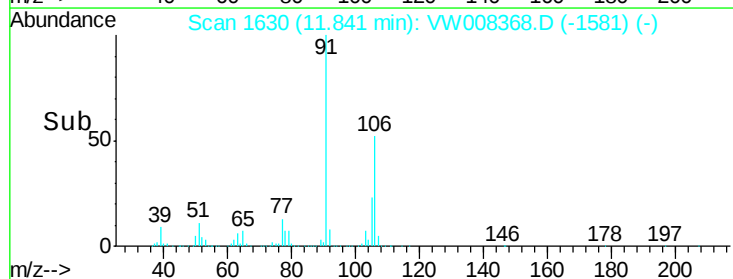
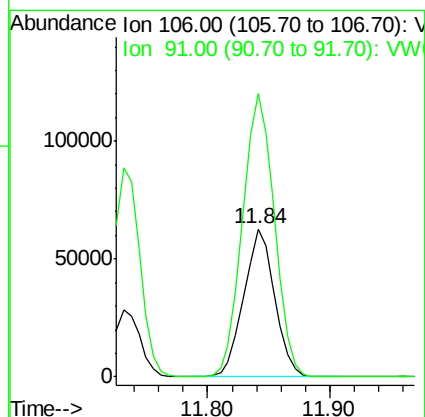
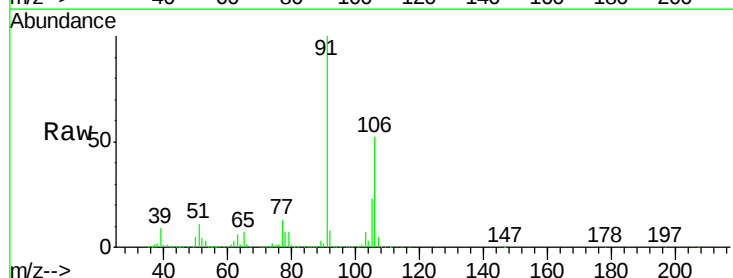
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

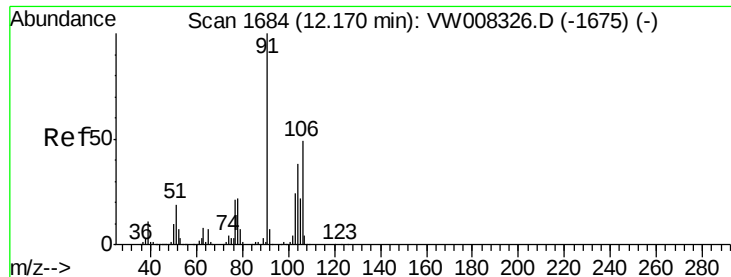
Tot Ion: 91 Resp: 139224
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 37.237 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion: 106 Resp: 109939
Ion Ratio Lower Upper
106 100
91 197.4 158.4 237.6

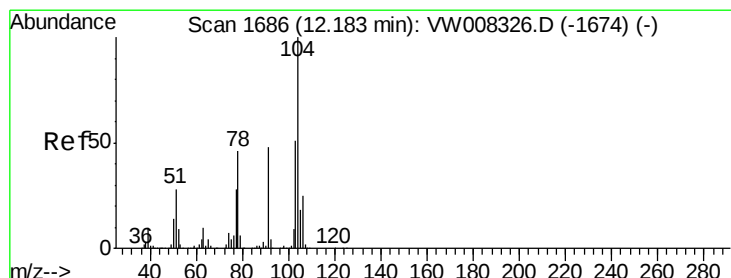
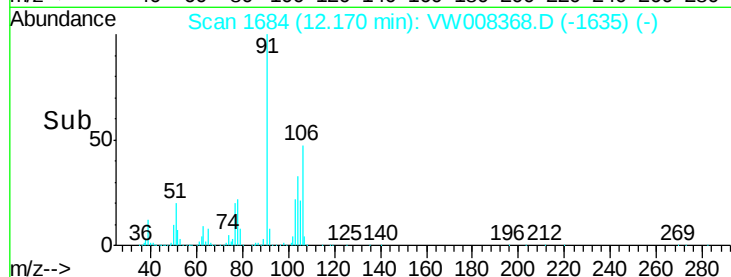
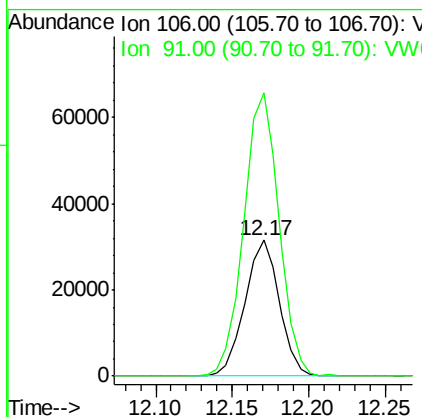
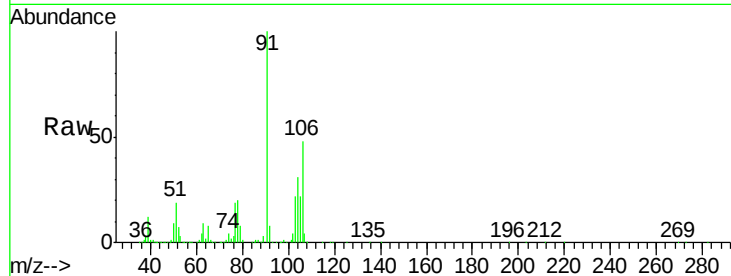




#69
o-Xylene
Concen: 17.964 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

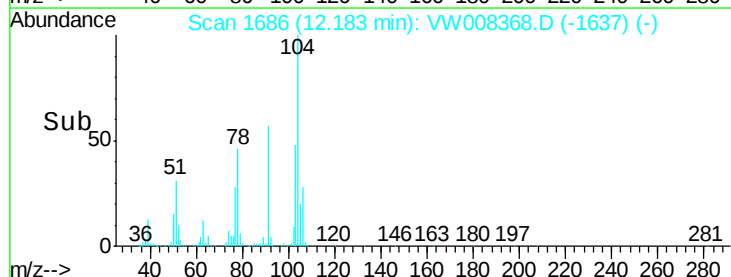
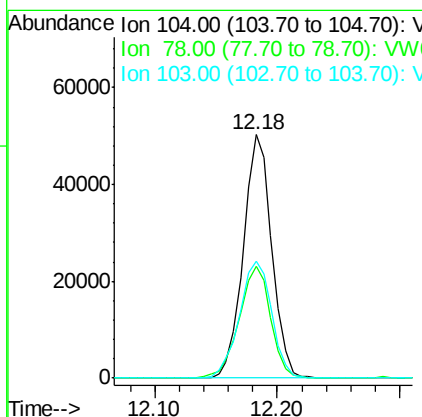
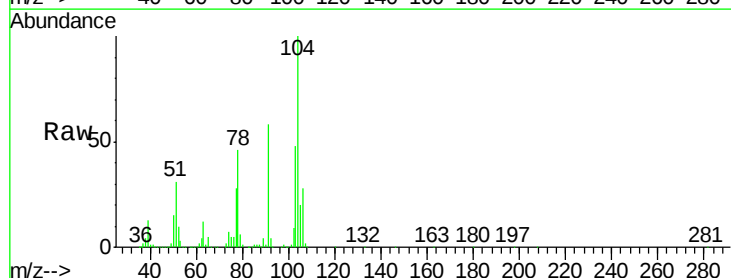
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

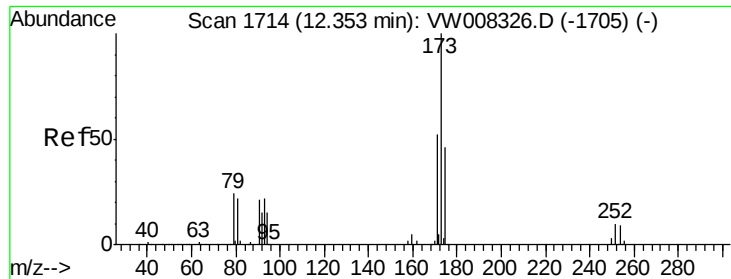
Tot Ion:106 Resp: 49550
Ion Ratio Lower Upper
106 100
91 213.1 104.1 312.3



#70
Styrene
Concen: 18.280 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion:104 Resp: 80991
Ion Ratio Lower Upper
104 100
78 50.7 39.8 59.6
103 54.8 44.0 66.0





#71

Bromoform

Concen: 15.873 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

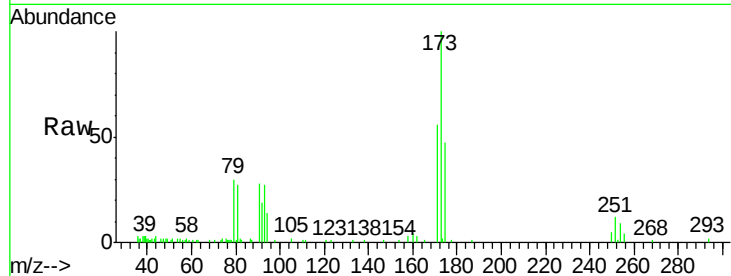
Tot Ion:173 Resp: 11922

Ion Ratio Lower Upper

173 100

175 44.6 23.6 70.8

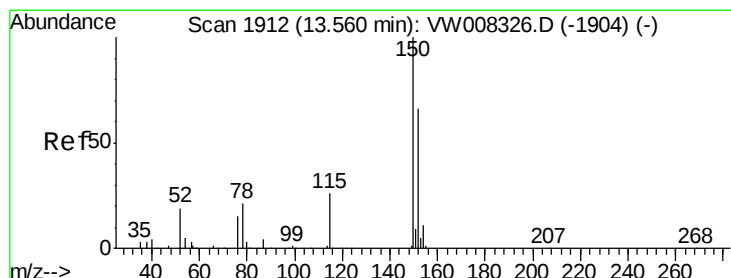
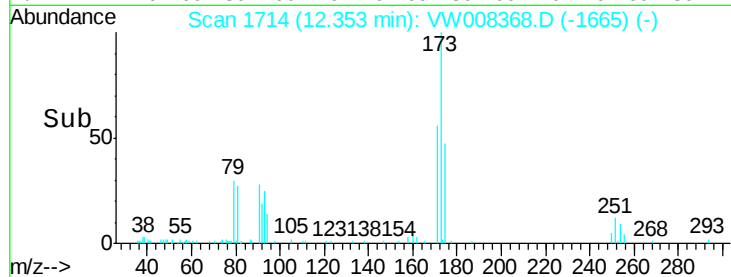
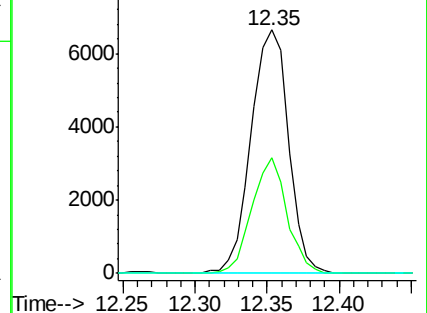
254 0.0 0.2 0.2#



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: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

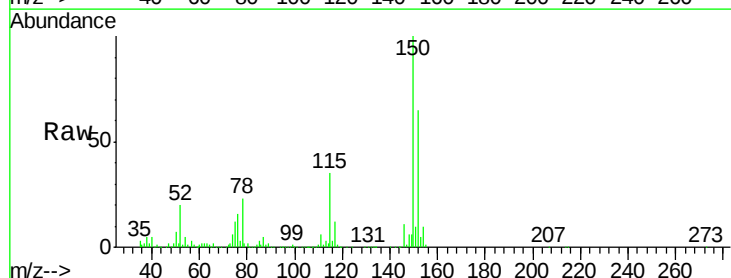
Tgt Ion:152 Resp: 104293

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.4

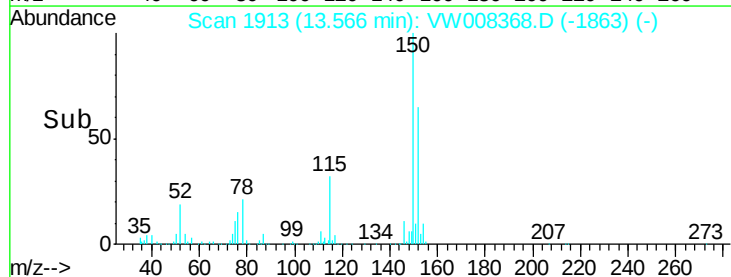
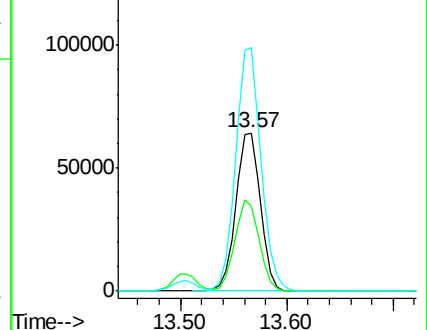
150 159.0 0.0 351.4

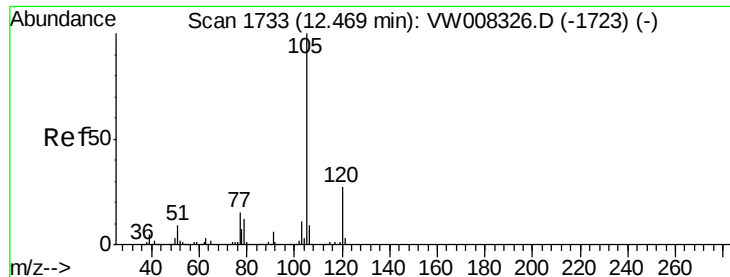


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.495 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

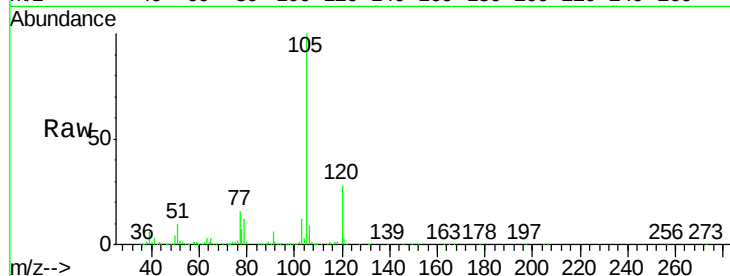
VW0121SBS01

Tot Ion:105 Resp: 140543

Ion Ratio Lower Upper

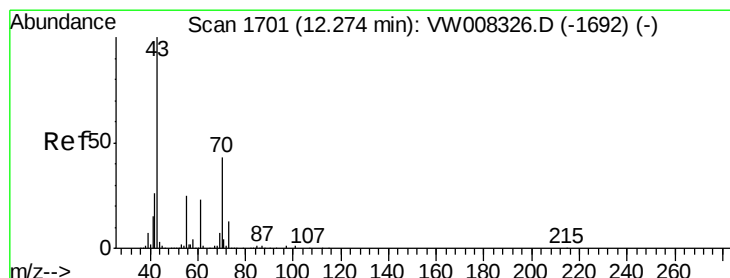
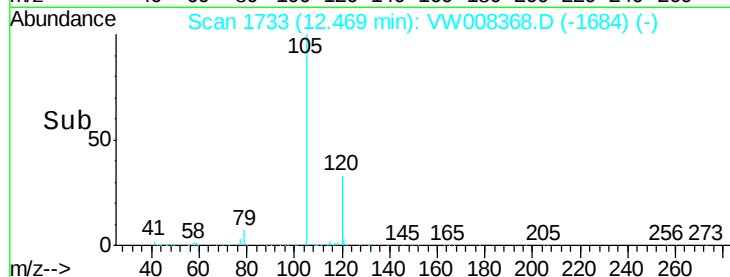
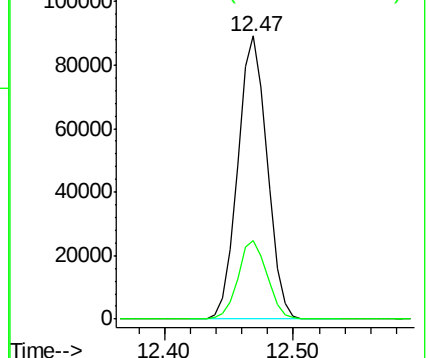
105 100

120 27.6 13.6 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.127 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Tgt Ion: 43 Resp: 23006

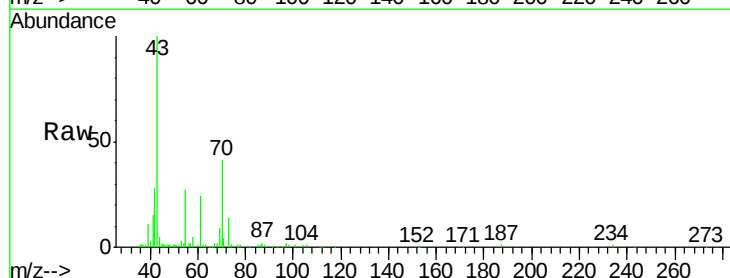
Ion Ratio Lower Upper

43 100

70 43.6 34.6 52.0

55 28.0 20.0 30.0

61 23.3 19.6 29.4

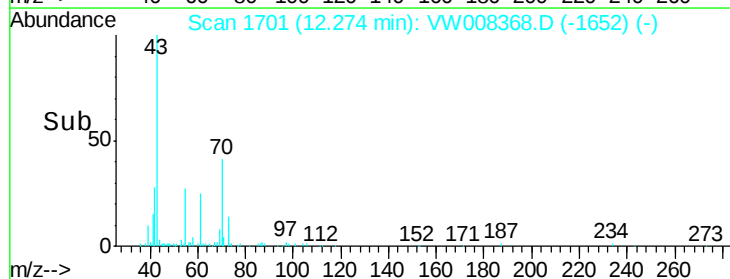
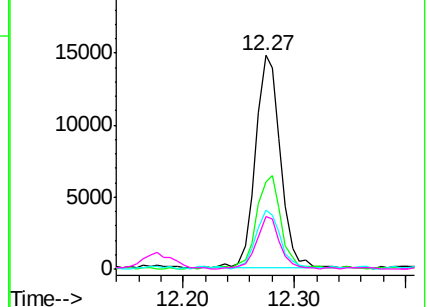


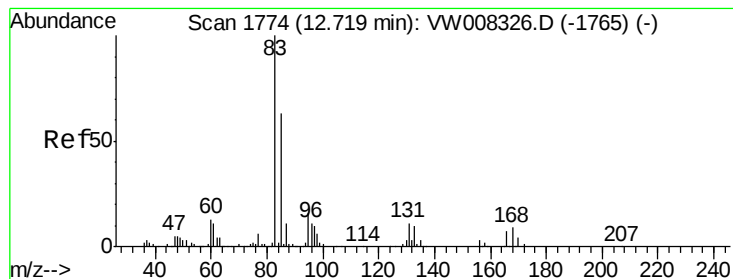
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 16.388 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

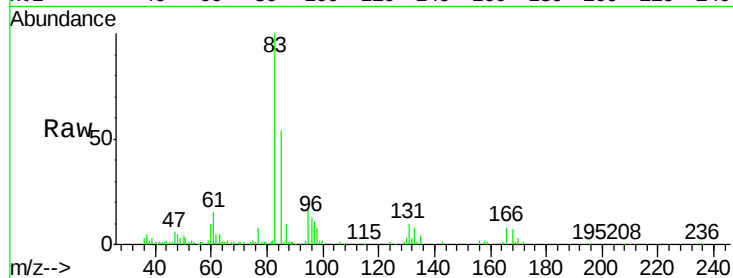
Tot Ion: 83 Resp: 21182

Ion Ratio Lower Upper

83 100

131 10.8 5.5 16.5

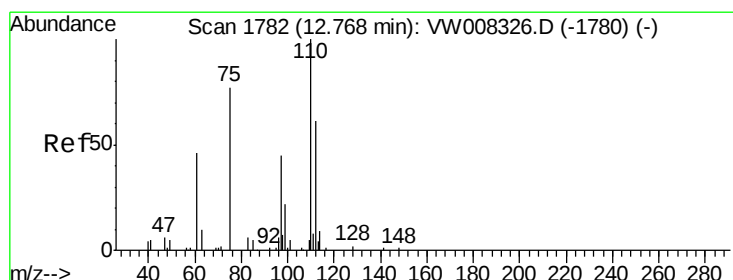
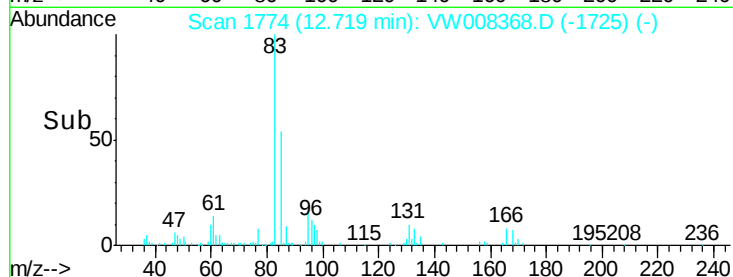
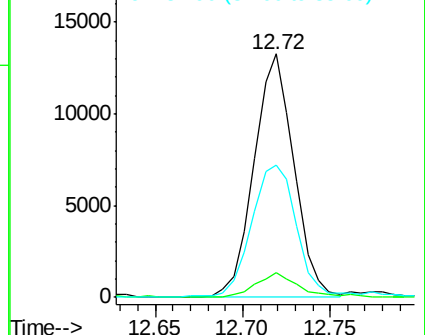
85 61.9 31.6 94.7



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: 18.674 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008368.D

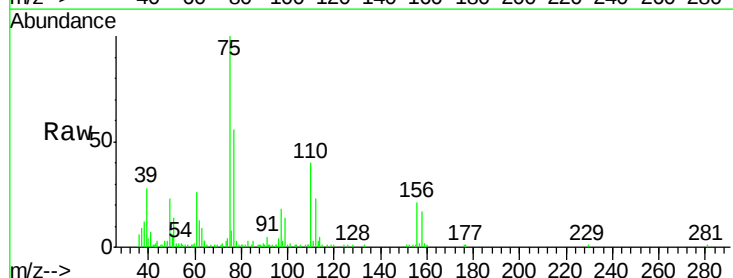
Acq: 21 Jan 2019 12:07

Tgt Ion: 75 Resp: 17736

Ion Ratio Lower Upper

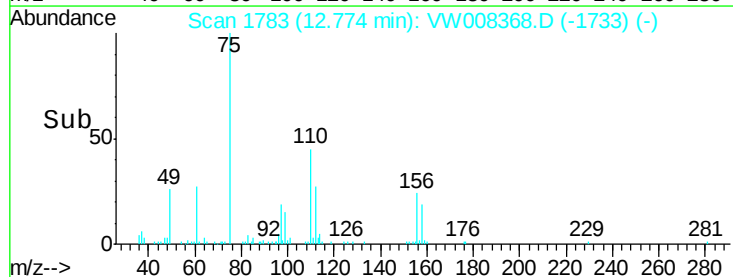
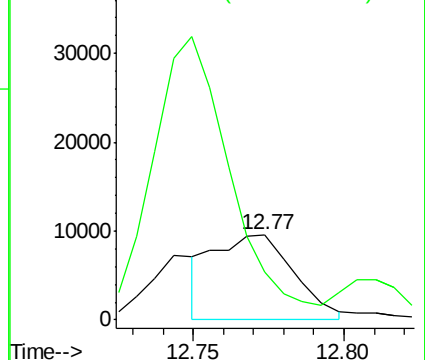
75 100

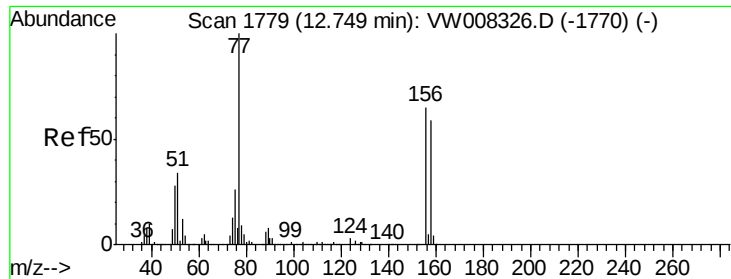
77 0.0 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 16.670 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

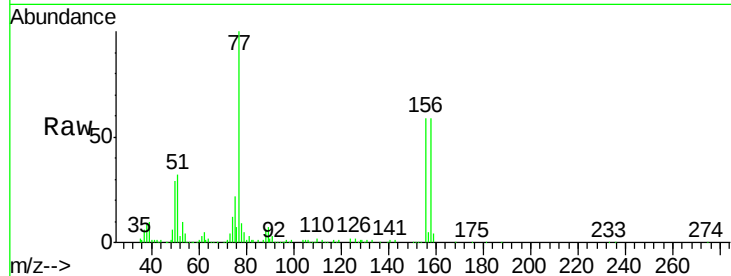
Tot Ion:156 Resp: 30427

Ion Ratio Lower Upper

156 100

77 191.3 88.3 264.9

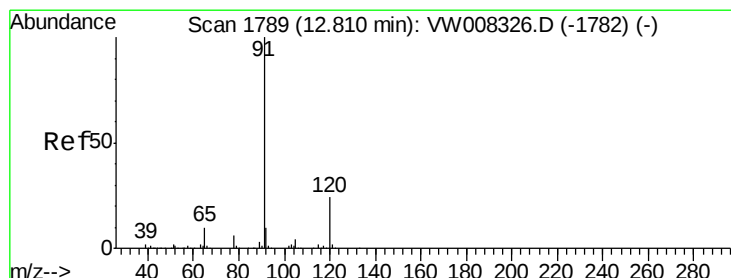
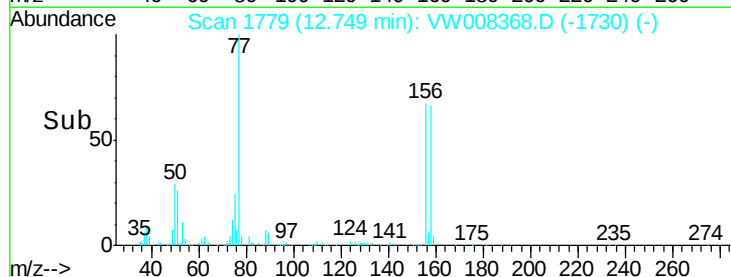
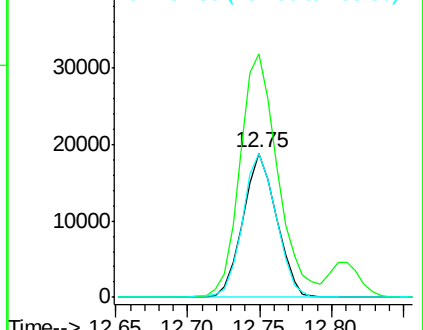
158 99.5 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.963 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008368.D

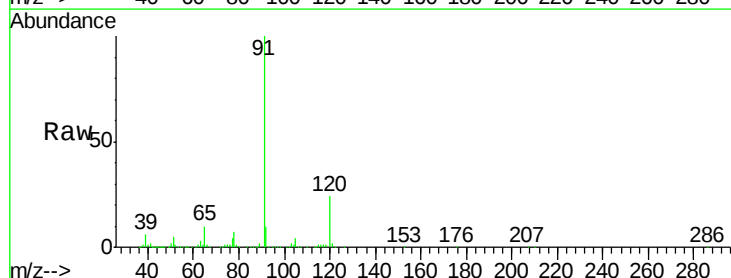
Acq: 21 Jan 2019 12:07

Tgt Ion: 91 Resp: 174420

Ion Ratio Lower Upper

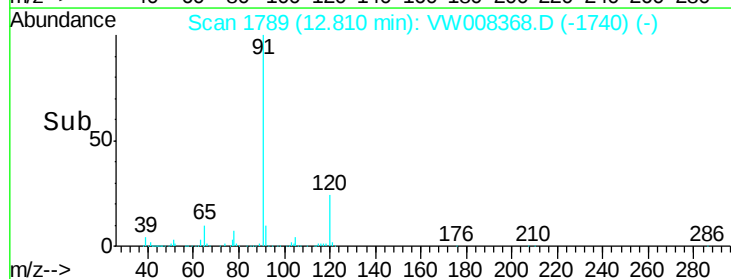
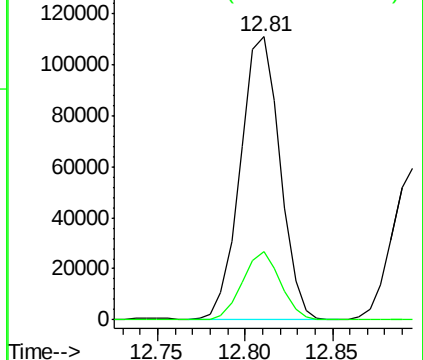
91 100

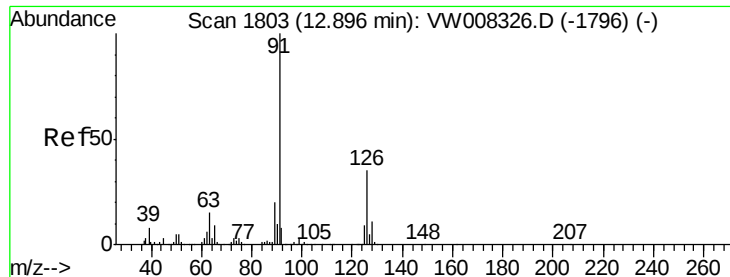
120 23.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.855 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

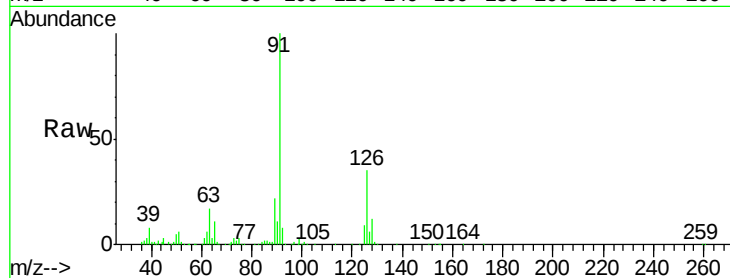
VW0121SBS01

Tot Ion: 91 Resp: 93833

Ion Ratio Lower Upper

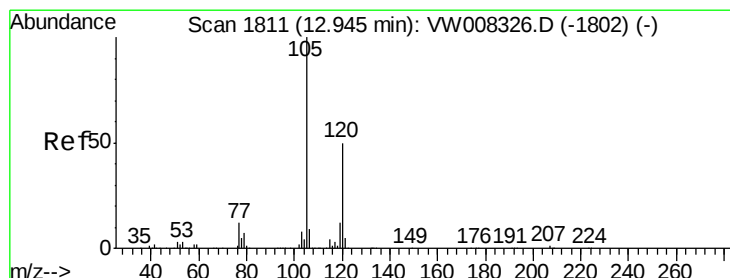
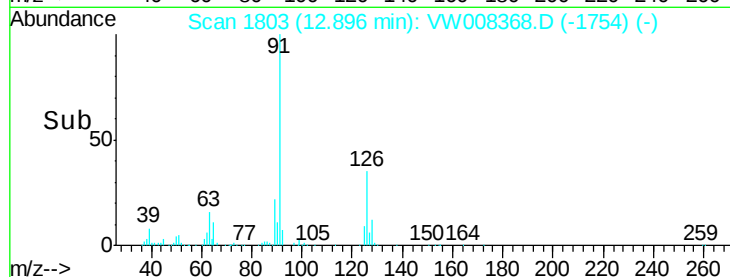
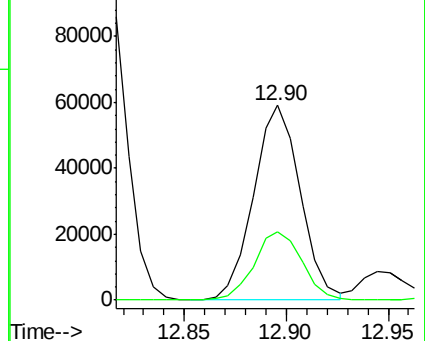
91 100

126 35.8 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.818 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008368.D

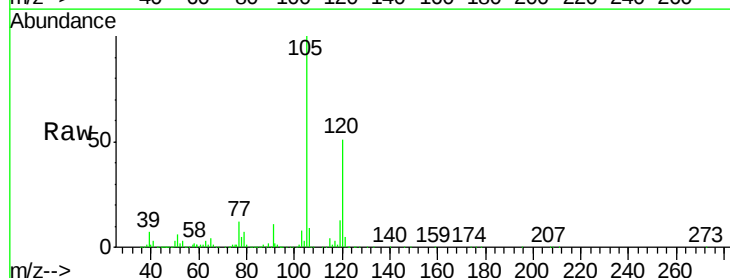
Acq: 21 Jan 2019 12:07

Tgt Ion: 105 Resp: 119326

Ion Ratio Lower Upper

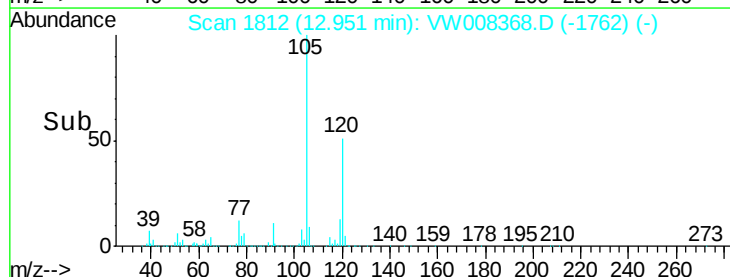
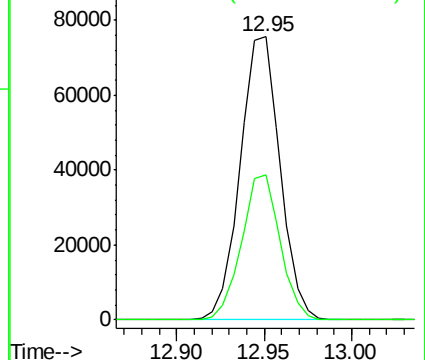
105 100

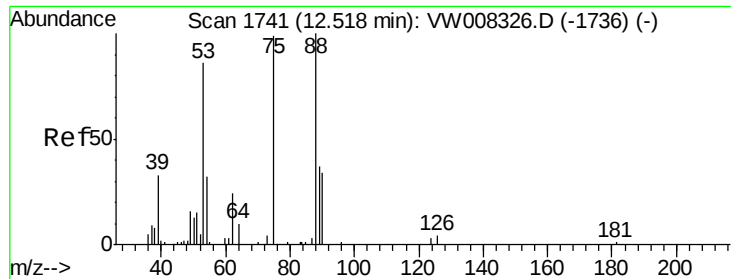
120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 16.674 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

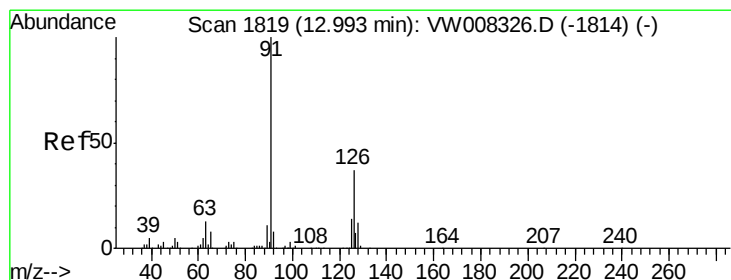
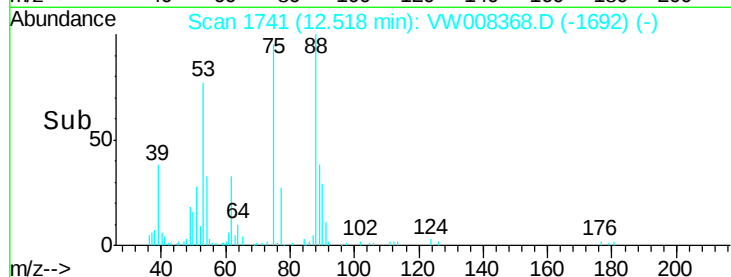
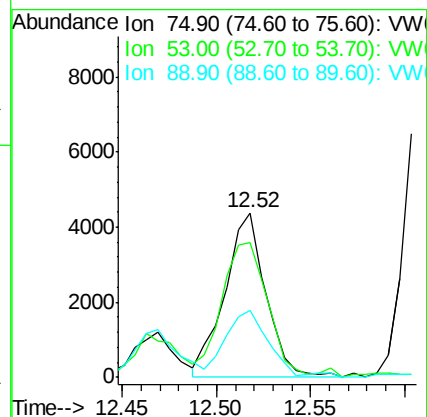
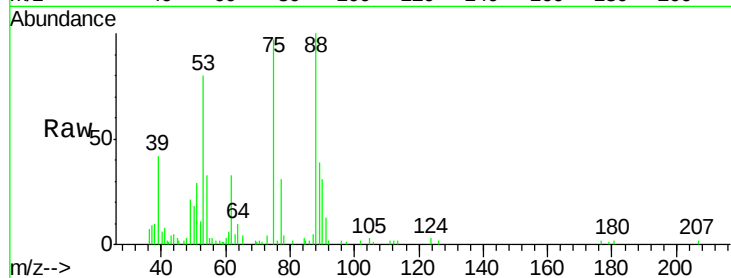
Tot Ion: 75 Resp: 6636

Ion Ratio Lower Upper

75 100

53 88.2 76.2 114.4

89 38.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 18.511 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008368.D

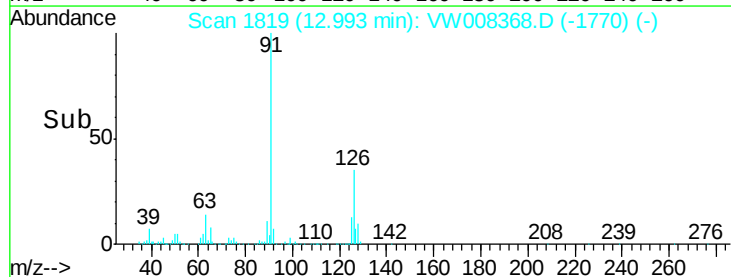
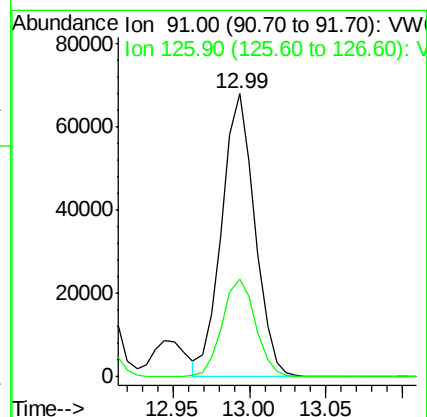
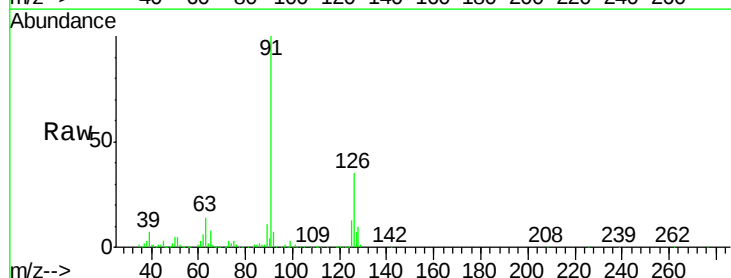
Acq: 21 Jan 2019 12:07

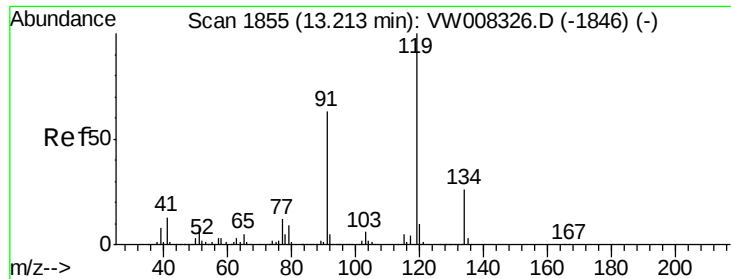
Tgt Ion: 91 Resp: 101656

Ion Ratio Lower Upper

91 100

126 35.1 17.8 53.3

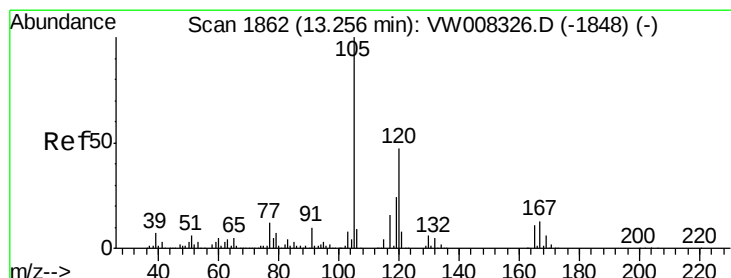
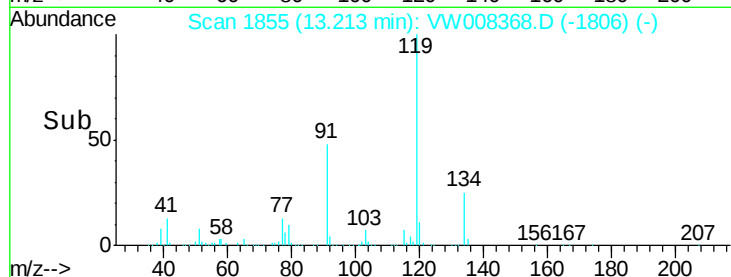
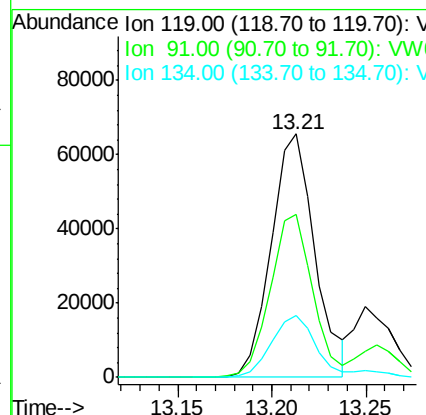
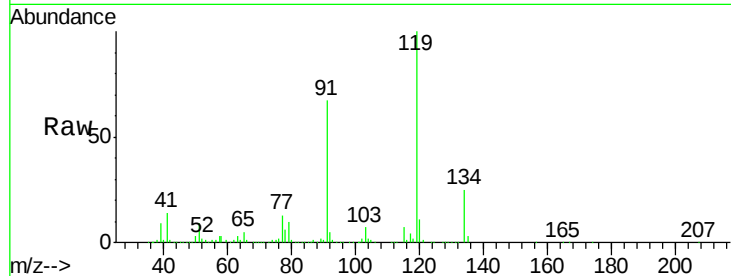




#83
tert-Butylbenzene
Concen: 18.868 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

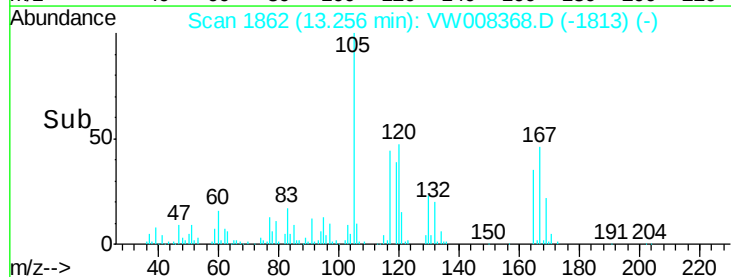
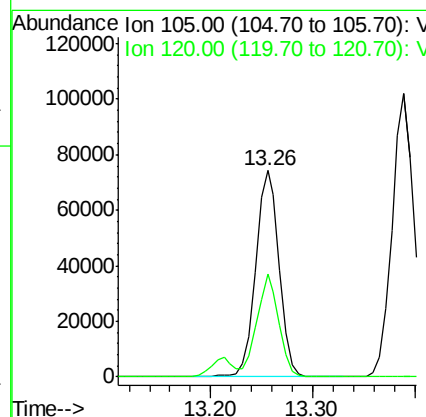
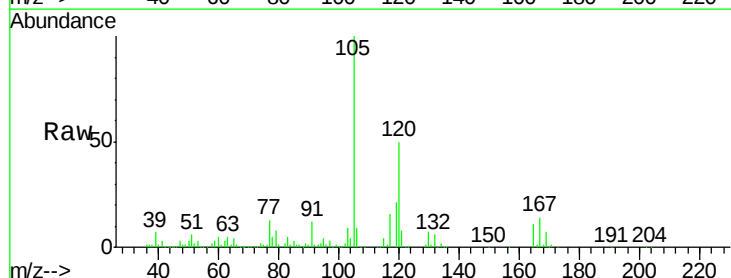
Instrument :
MSVOA_W
ClientSampleId :
VW0121SBS01

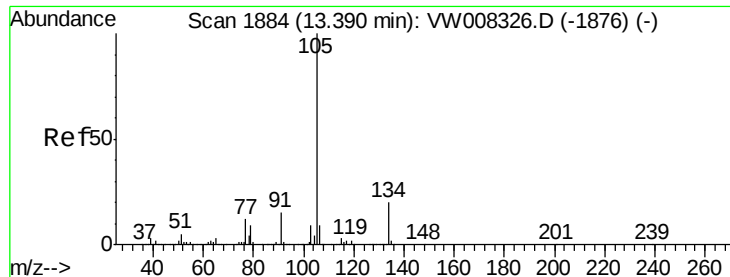
Tot Ion:119 Resp: 105306
Ion Ratio Lower Upper
119 100
91 64.9 32.4 97.0
134 27.8 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 18.456 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008368.D
Acq: 21 Jan 2019 12:07

Tgt Ion:105 Resp: 119222
Ion Ratio Lower Upper
105 100
120 46.2 23.5 70.6





#85

sec-Butylbenzene

Concen: 19.142 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

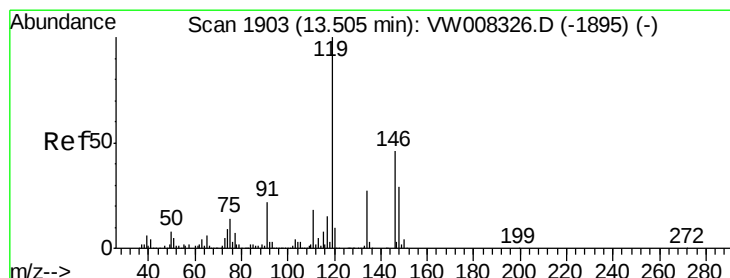
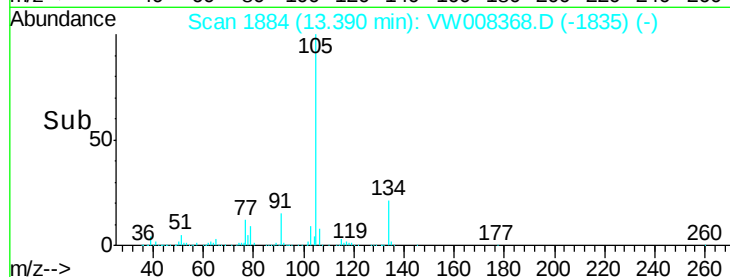
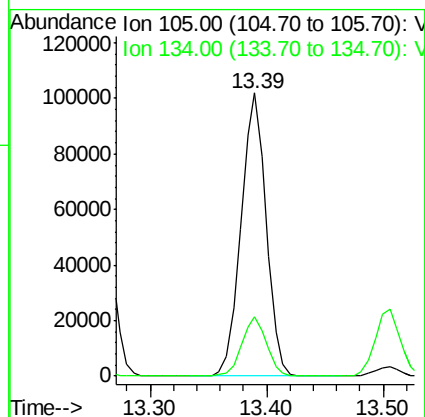
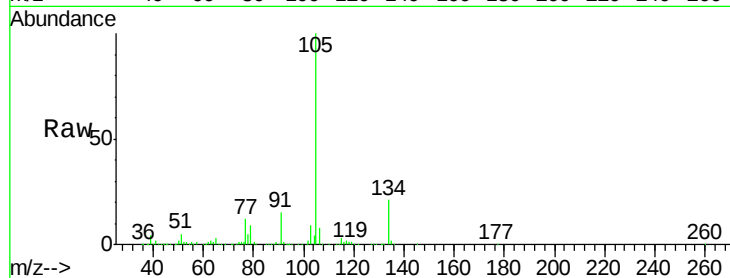
VW0121SBS01

Tot Ion:105 Resp: 153392

Ion Ratio Lower Upper

105 100

134 20.5 10.1 30.3



#86

p-Isopropyltoluene

Concen: 19.153 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

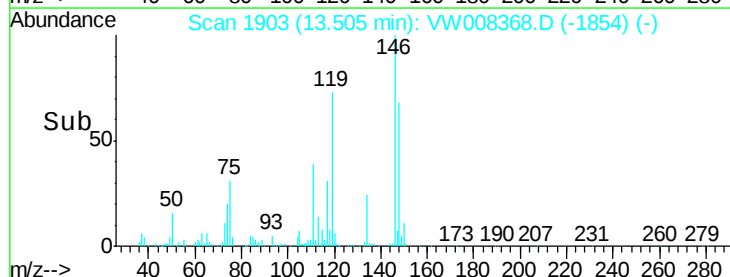
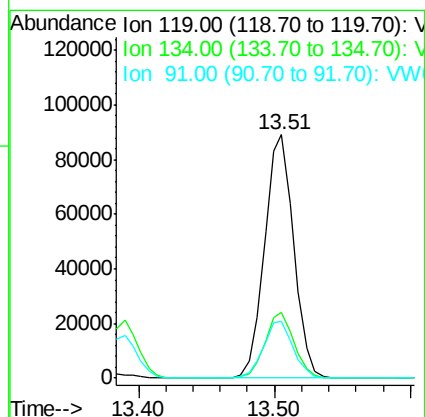
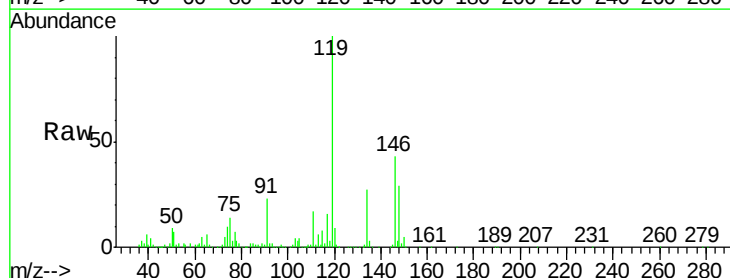
Tgt Ion:119 Resp: 134048

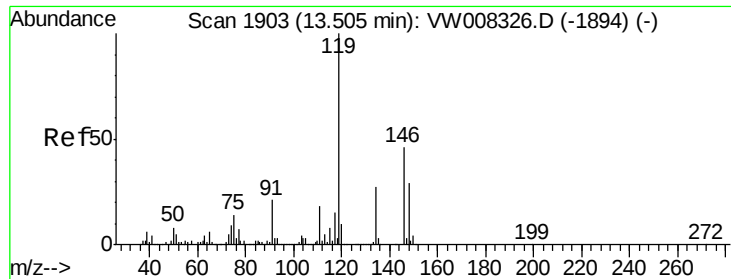
Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 23.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 18.035 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

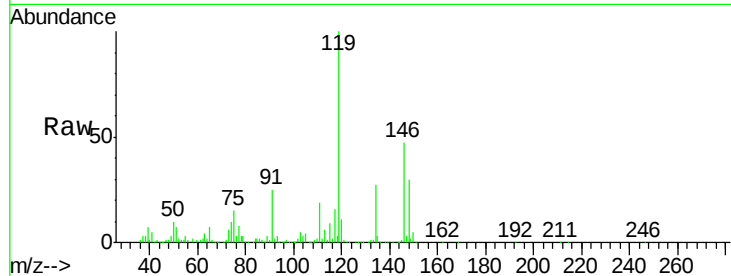
Tot Ion:146 Resp: 65407

Ion Ratio Lower Upper

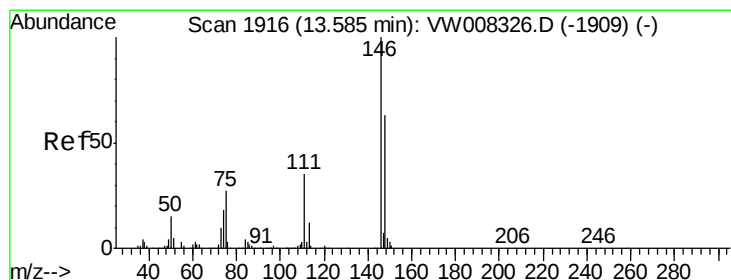
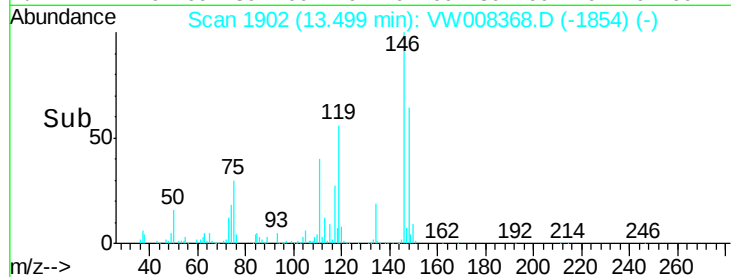
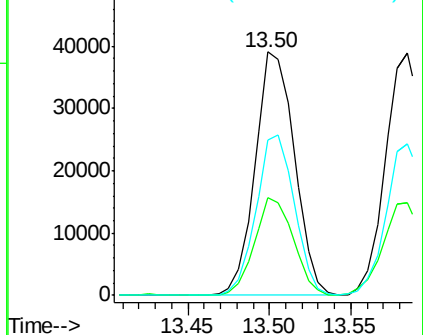
146 100

111 39.8 19.9 59.7

148 64.3 31.4 94.3



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



#88

1,4-Dichlorobenzene

Concen: 17.705 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

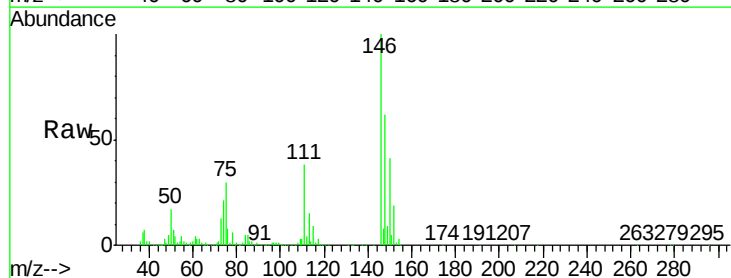
Tgt Ion:146 Resp: 64328

Ion Ratio Lower Upper

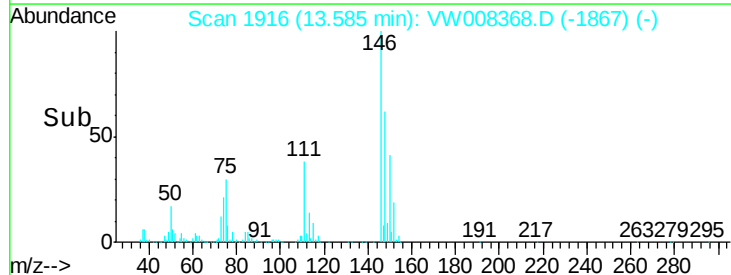
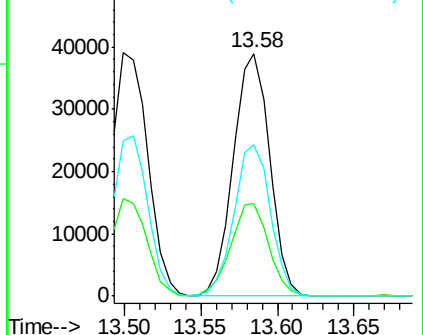
146 100

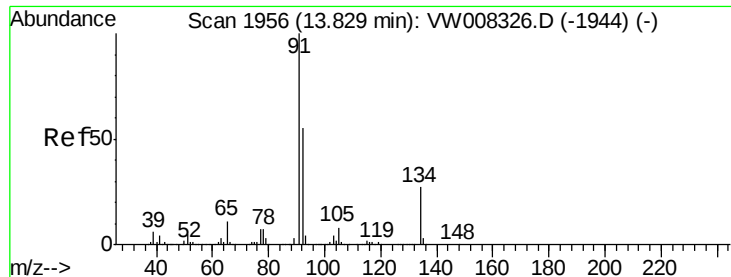
111 40.2 18.9 56.5

148 62.7 31.6 94.8



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





#89

n-Butylbenzene

Concen: 19.302 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

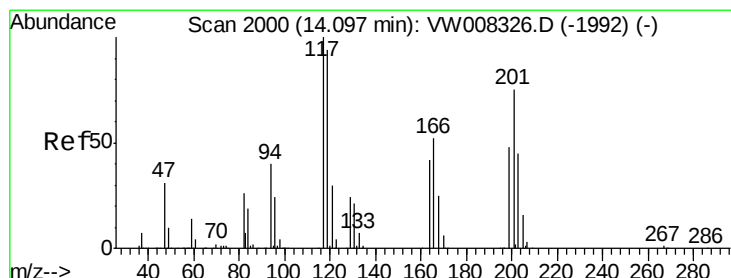
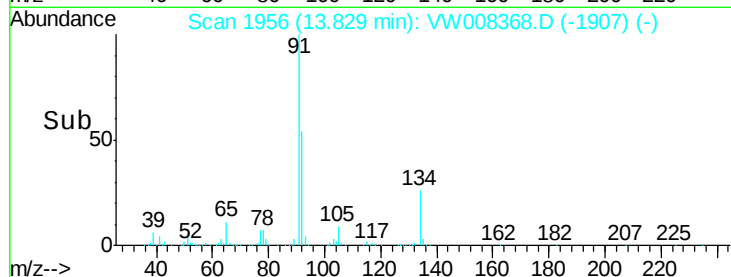
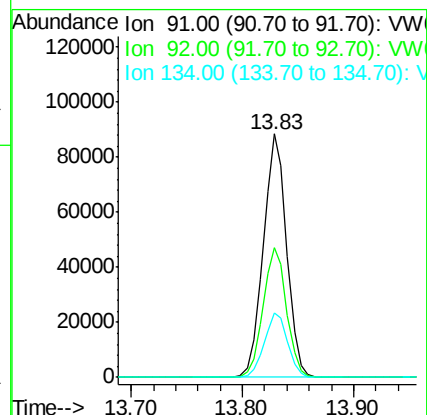
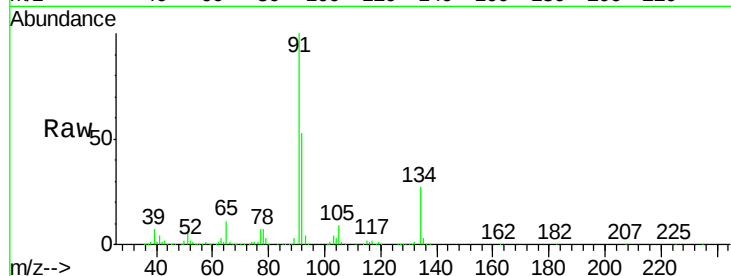
Tot Ion: 91 Resp: 129584

Ion Ratio Lower Upper

91 100

92 53.5 27.2 81.6

134 26.7 13.4 40.1



#90

Hexachloroethane

Concen: 18.461 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008368.D

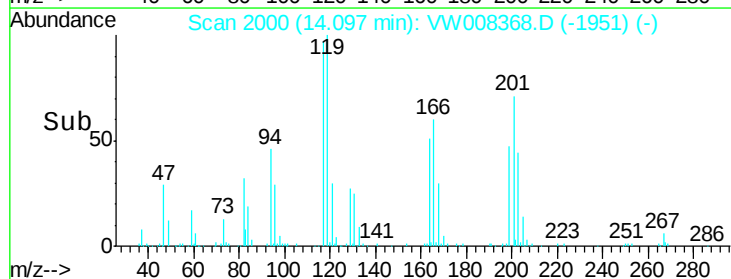
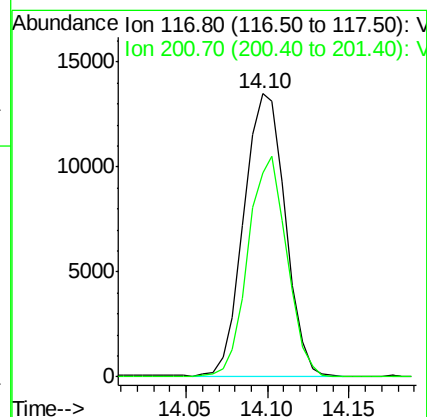
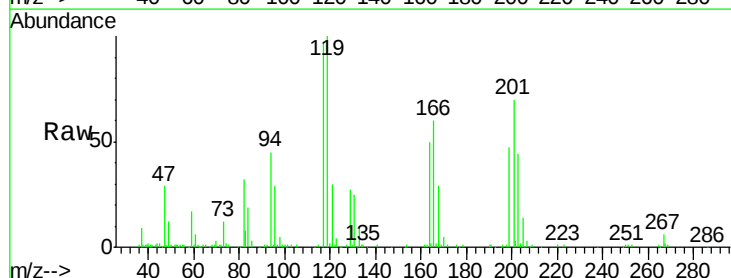
Acq: 21 Jan 2019 12:07

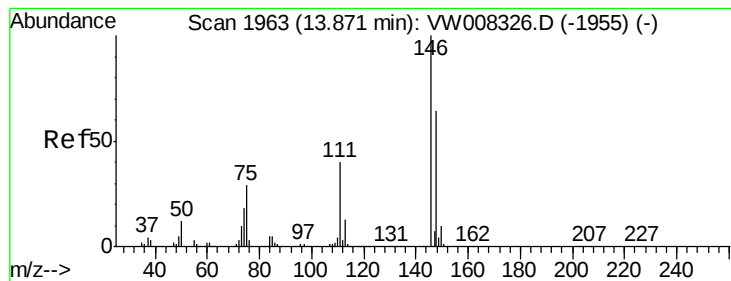
Tgt Ion: 117 Resp: 23911

Ion Ratio Lower Upper

117 100

201 72.8 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 17.893 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

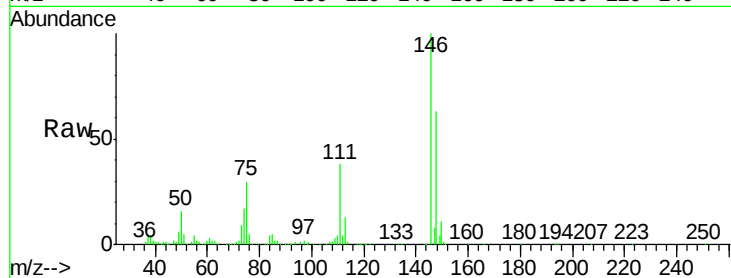
Tot Ion:146 Resp: 57293

Ion Ratio Lower Upper

146 100

111 39.5 19.6 58.8

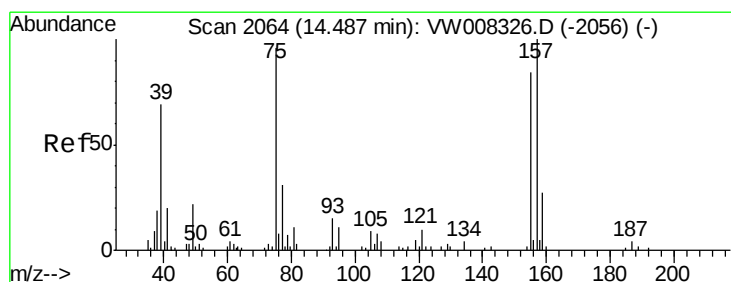
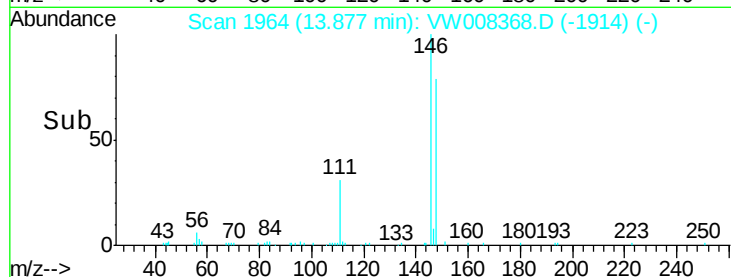
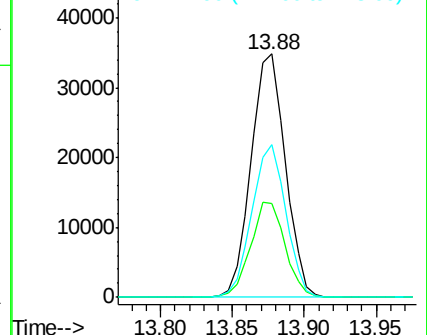
148 62.3 31.7 95.1



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: 15.003 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

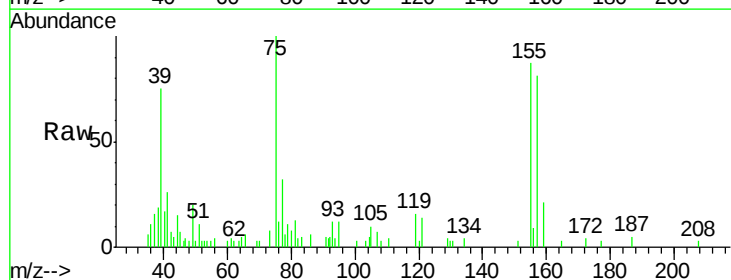
Tgt Ion: 75 Resp: 3171

Ion Ratio Lower Upper

75 100

155 87.7 44.7 134.1

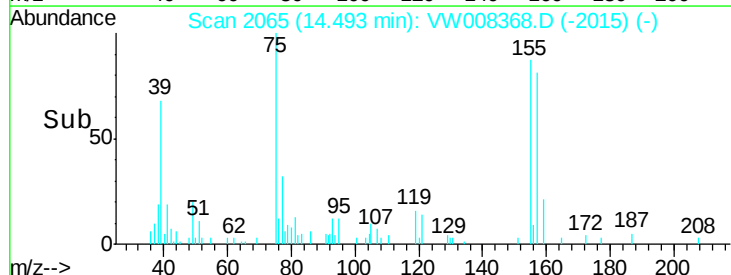
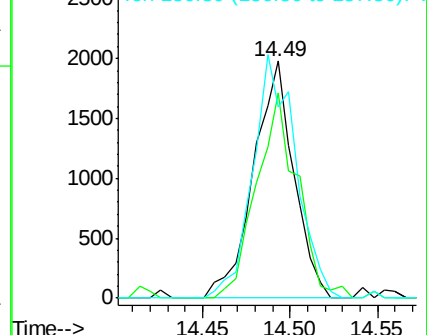
157 108.5 53.9 161.8

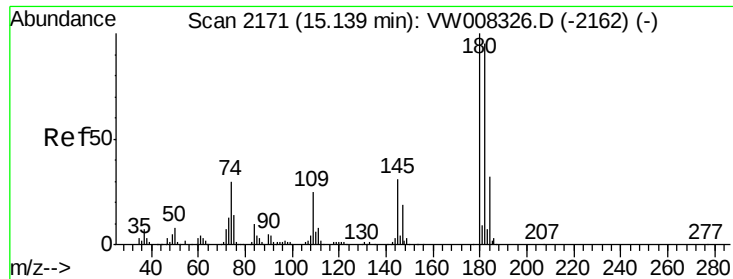


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

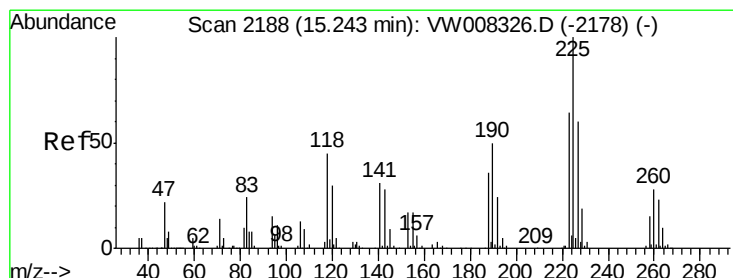
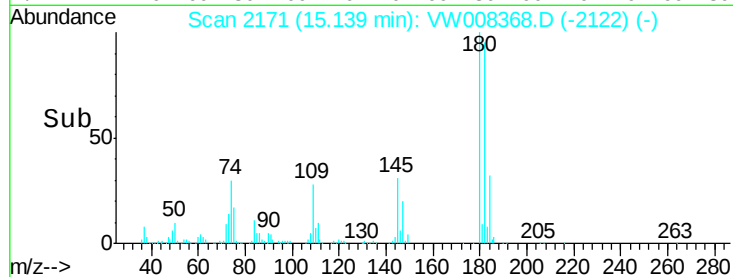
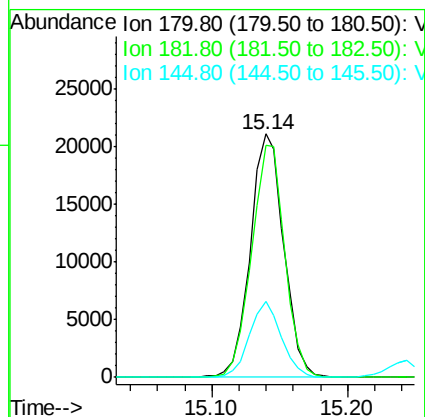
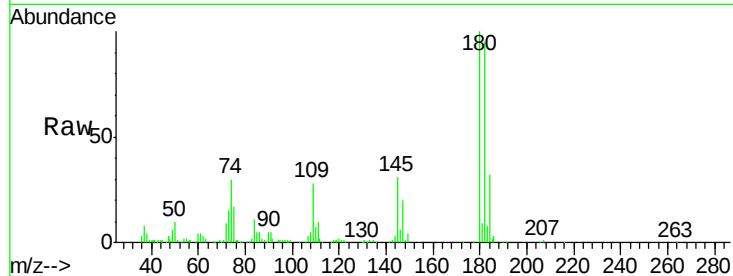




#93
 1,2,4-Trichlorobenzene
 Concen: 16.733 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

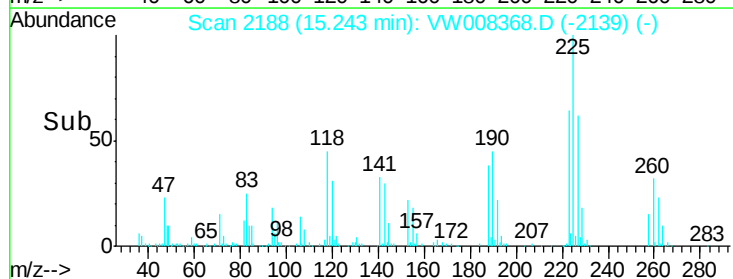
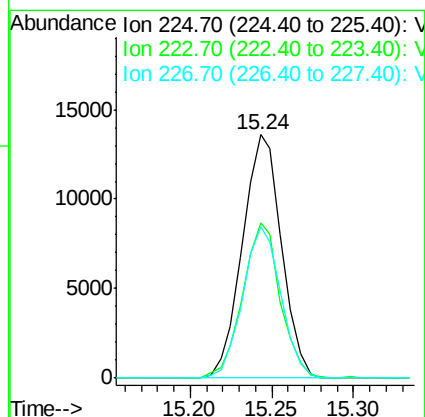
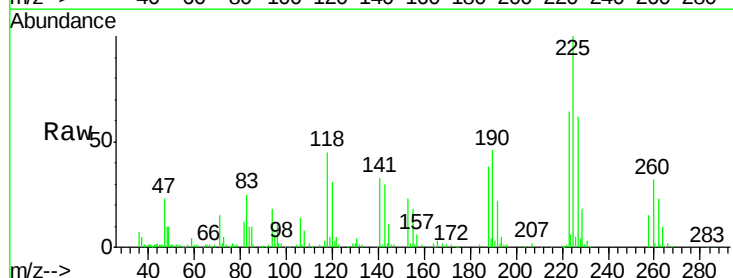
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0121SBS01

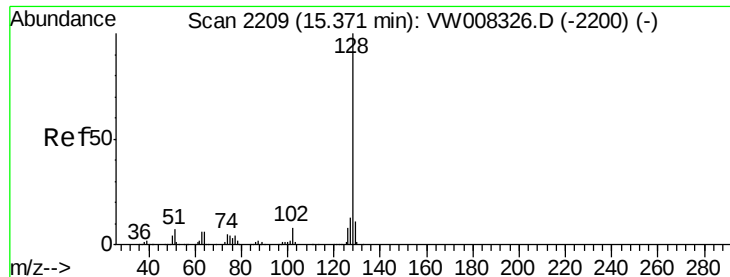
Tot Ion:180 Resp: 36270
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.6 142.8
 145 29.8 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 18.515 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008368.D
 Acq: 21 Jan 2019 12:07

Tgt Ion:225 Resp: 22618
 Ion Ratio Lower Upper
 225 100
 223 61.5 31.1 93.3
 227 60.6 30.3 90.8





#95

Naphthalene

Concen: 15.041 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

Instrument :

MSVOA_W

ClientSampleId :

VW0121SBS01

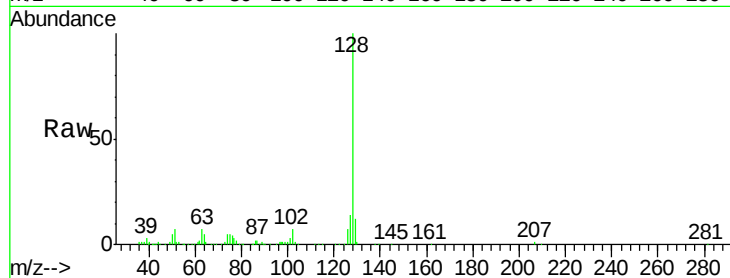
Tot Ion:128 Resp: 53375

Ion Ratio Lower Upper

128 100

127 14.9 10.5 15.7

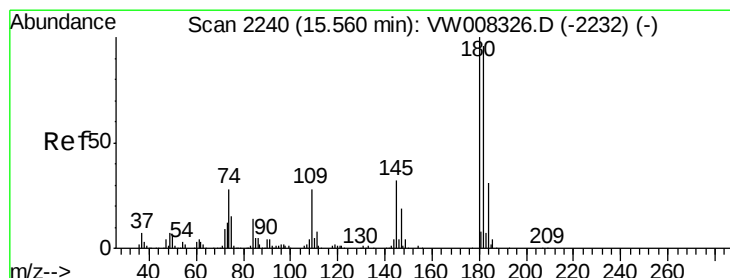
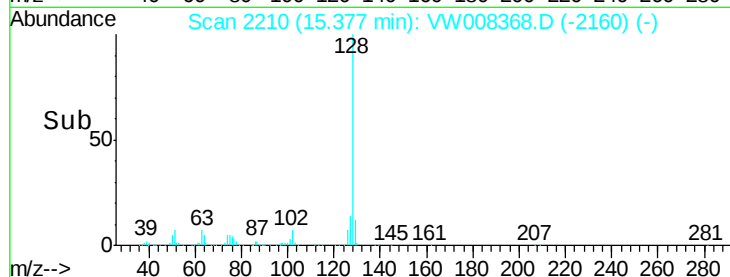
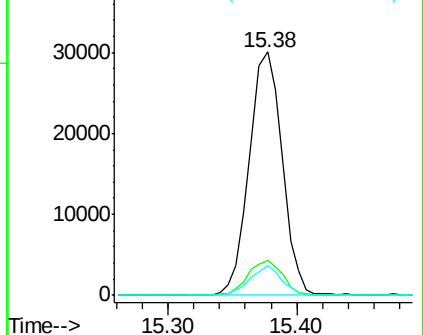
129 11.7 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.769 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.01 min

Lab File: VW008368.D

Acq: 21 Jan 2019 12:07

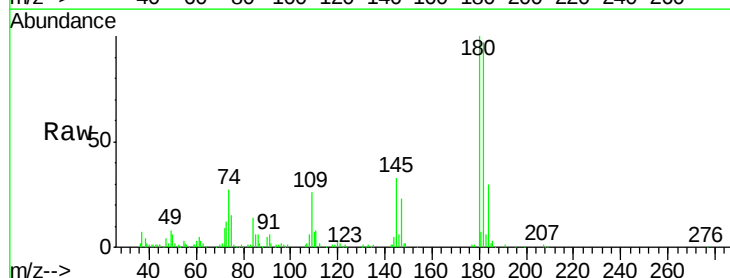
Tgt Ion:180 Resp: 29771

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

145 34.1 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

