

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
 Data File : VW008351.D
 Acq On : 18 Jan 2019 13:01
 Operator : SY/VA
 Sample : VW0118SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

Quant Time: Jan 19 01:43:49 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	92903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	156110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	147846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76201	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	52433	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.88	113	52219	52.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.80%	
50) Toluene-d8	10.32	98	216069	55.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.38%	
62) 4-Bromofluorobenzene	12.62	95	75090	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	12641	21.594 ug/l	95
3) Chloromethane	2.21	50	17826	20.774 ug/l	98
4) Vinyl Chloride	2.37	62	24076	21.959 ug/l	94
5) Bromomethane	2.78	94	17851	21.484 ug/l	100
6) Chloroethane	2.93	64	16272	22.674 ug/l #	88
7) Trichlorofluoromethane	3.26	101	18106	22.491 ug/l	96
8) Diethyl Ether	3.68	74	10308	18.465 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	19816	21.142 ug/l	93
10) Methyl Iodide	4.26	142	26548	17.563 ug/l	98
11) Tert butyl alcohol	5.16	59	6878	105.704 ug/l #	85
12) 1,1-Dichloroethene	4.03	96	18823	19.746 ug/l	94
13) Acrolein	3.89	56	4155	67.516 ug/l	90
14) Allyl chloride	4.67	41	30728	19.282 ug/l	99
15) Acrylonitrile	5.36	53	21241	99.052 ug/l	99
16) Acetone	4.12	43	20616	91.858 ug/l	99
17) Carbon Disulfide	4.37	76	53531	18.455 ug/l	99
18) Methyl Acetate	4.67	43	11253	18.770 ug/l	97
19) Methyl tert-butyl Ether	5.42	73	27679	18.968 ug/l	97
20) Methylene Chloride	4.90	84	22645	19.587 ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	20803	19.430 ug/l	97
22) Diisopropyl ether	6.31	45	64357	20.685 ug/l	96
23) Vinyl Acetate	6.26	43	162024	97.422 ug/l	99
24) 1,1-Dichloroethane	6.21	63	37962	20.039 ug/l	94
25) 2-Butanone	7.17	43	27229	94.724 ug/l	95
26) 2,2-Dichloropropane	7.17	77	24214	20.029 ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	22717	19.584 ug/l	97
28) Bromochloromethane	7.51	49	14973	19.184 ug/l #	98
29) Tetrahydrofuran	7.52	42	17090	95.366 ug/l	99
30) Chloroform	7.68	83	38090	20.322 ug/l	93
31) Cyclohexane	7.95	56	36345	20.136 ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	32479	20.647 ug/l	98
36) 1,1-Dichloropropene	8.08	75	30528	19.437 ug/l	99
37) Ethyl Acetate	7.26	43	11664	18.009 ug/l	96
38) Carbon Tetrachloride	8.06	117	29791	19.209 ug/l	94

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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)
39) Methylcyclohexane	9.34	83	38099	20.393	ug/l	94
40) Benzene	8.32	78	86860	19.523	ug/l	98
41) Methacrylonitrile	7.48	41	8351	22.149	ug/l	95
42) 1,2-Dichloroethane	8.40	62	23701	19.051	ug/l	98
43) Isopropyl Acetate	8.43	43	22433	18.336	ug/l	97
44) Trichloroethene	9.09	130	22361	18.345	ug/l	90
45) 1,2-Dichloropropane	9.37	63	21903	19.819	ug/l	96
46) Dibromomethane	9.46	93	10949	19.009	ug/l	91
47) Bromodichloromethane	9.64	83	27821	19.582	ug/l	97
48) Methyl methacrylate	9.44	41	11150	19.360	ug/l	99
49) 1,4-Dioxane	9.45	88	3643	392.896	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	56819	91.720	ug/l	99
52) Toluene	10.39	92	56249	19.978	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	26919	18.984	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	32604	19.505	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	15883	19.881	ug/l	98
56) Ethyl methacrylate	10.65	69	17502	18.654	ug/l	97
57) 1,3-Dichloropropane	10.93	76	27491	19.819	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	45391	100.299	ug/l	99
59) 2-Hexanone	10.97	43	39966	92.077	ug/l	98
60) Dibromochloromethane	11.13	129	18281	19.174	ug/l	100
61) 1,2-Dibromoethane	11.24	107	14523	18.773	ug/l	97
64) Tetrachloroethene	10.87	164	18196	17.552	ug/l	96
65) Chlorobenzene	11.66	112	60347	18.713	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	20341	18.327	ug/l	97
67) Ethyl Benzene	11.73	91	106802	19.074	ug/l	100
68) m/p-Xylenes	11.84	106	84323	38.798	ug/l	99
69) o-Xylene	12.17	106	38750	19.084	ug/l	100
70) Styrene	12.18	104	63080	19.341	ug/l	99
71) Bromoform	12.35	173	9837	17.791	ug/l #	99
73) Isopropylbenzene	12.47	105	107856	19.426	ug/l	98
74) N-amyl acetate	12.27	43	21785	18.309	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	18246	19.320	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	23000	33.145	ug/l	30
77) Bromobenzene	12.75	156	23974	17.976	ug/l	93
78) n-propylbenzene	12.81	91	133796	19.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	74986	19.529	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	92036	19.865	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	5350	18.399	ug/l	95
82) 4-Chlorotoluene	12.99	91	79778	19.883	ug/l	99
83) tert-Butylbenzene	13.21	119	78531	19.258	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	93803	19.874	ug/l	99
85) sec-Butylbenzene	13.39	105	118981	20.321	ug/l	99
86) p-Isopropyltoluene	13.50	119	103169	20.175	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	50656	19.117	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	49981	18.827	ug/l	96
89) n-Butylbenzene	13.83	91	100349	20.458	ug/l	99
90) Hexachloroethane	14.10	117	18448	19.494	ug/l	89
91) 1,2-Dichlorobenzene	13.88	146	43383	18.544	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2928	18.961	ug/l	93

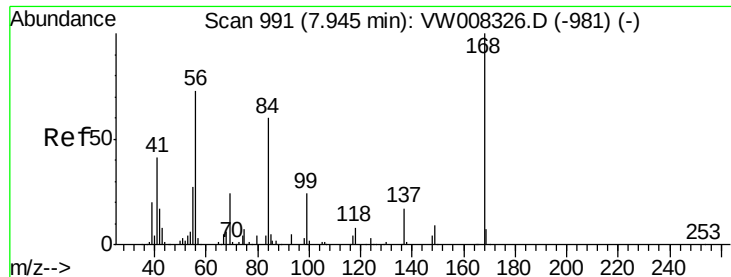
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW011819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	29224	18.453	ug/l	96
94) Hexachlorobutadiene	15.24	225	17151	19.216	ug/l	99
95) Naphthalene	15.38	128	49325	18.407	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	25476	18.468	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: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

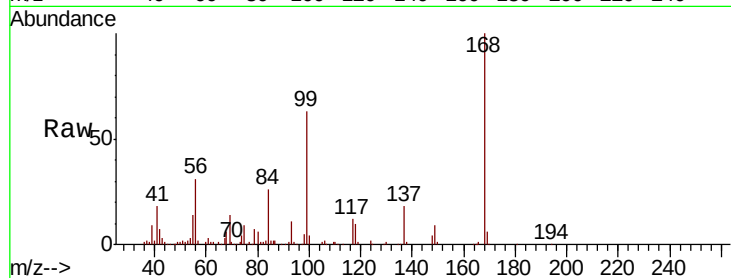
VW0118SBSD01

Tgt Ion:168 Resp: 92903

Ion Ratio Lower Upper

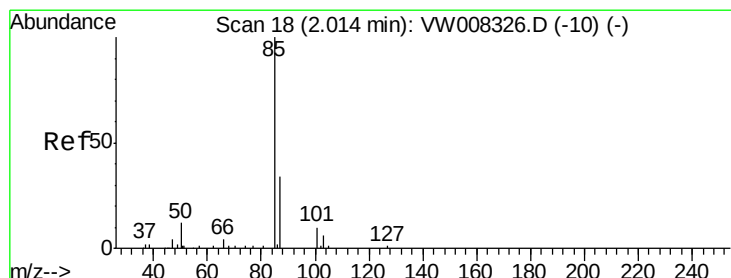
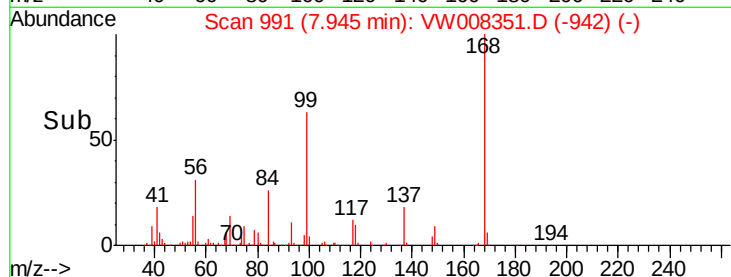
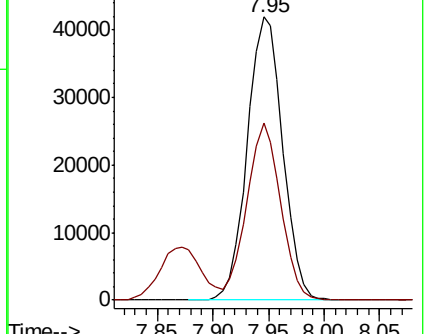
168 100

99 62.7 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: 21.594 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008351.D

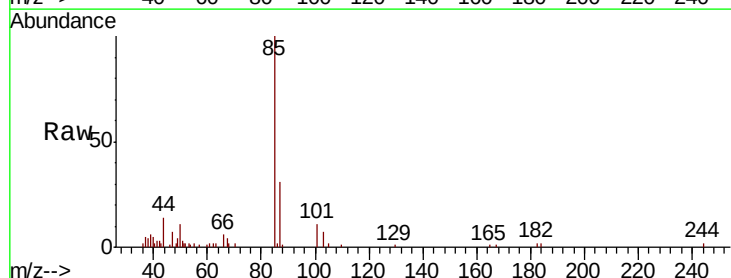
Acq: 18 Jan 2019 13:01

Tgt Ion: 85 Resp: 12641

Ion Ratio Lower Upper

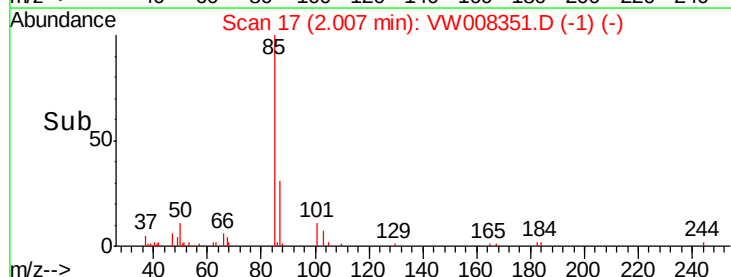
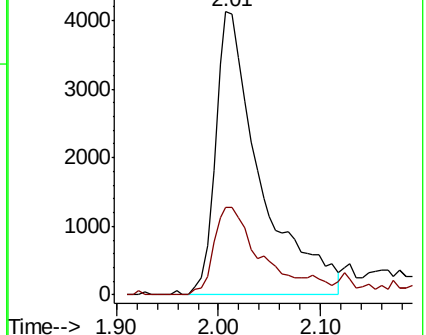
85 100

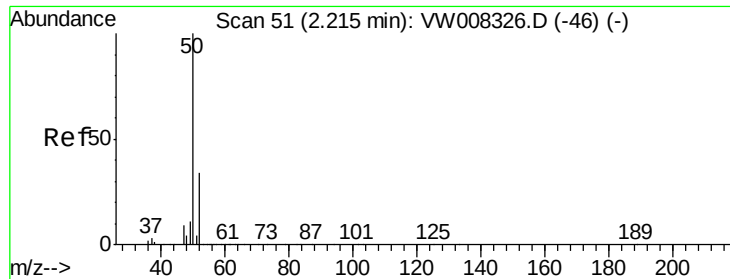
87 30.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.774 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

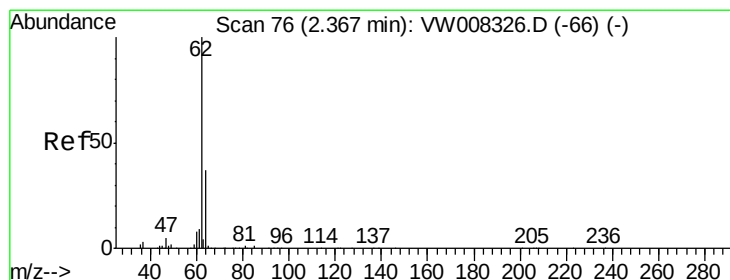
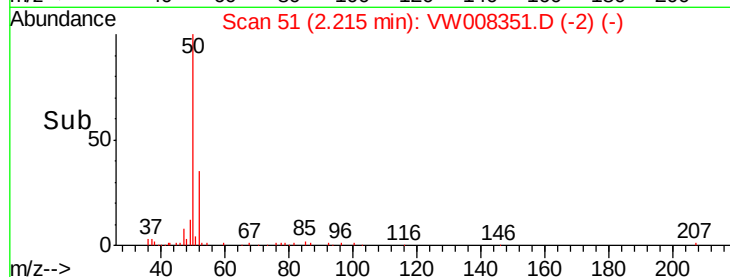
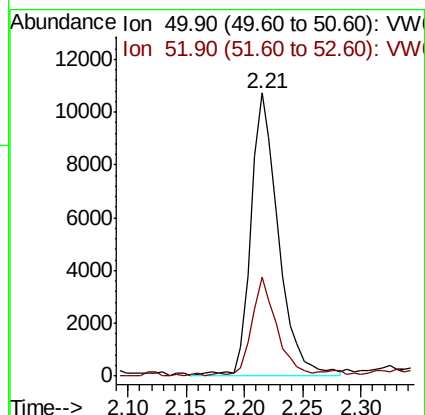
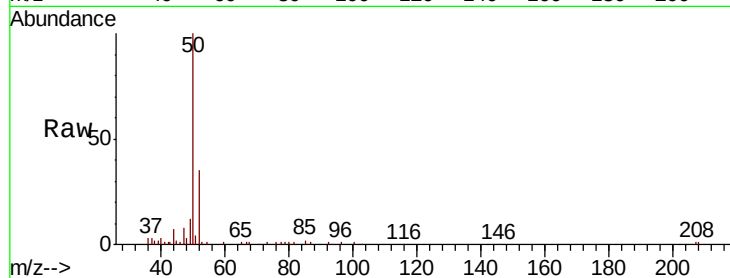
VW0118SBSD01

Tgt Ion: 50 Resp: 17826

Ion Ratio Lower Upper

50 100

52 34.4 26.7 40.1



#4

Vinyl Chloride

Concen: 21.959 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008351.D

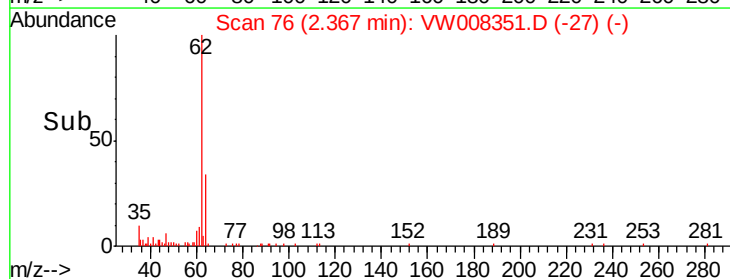
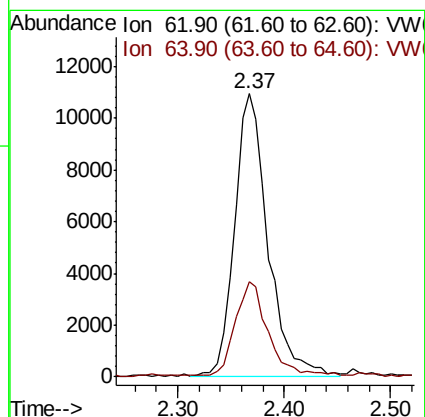
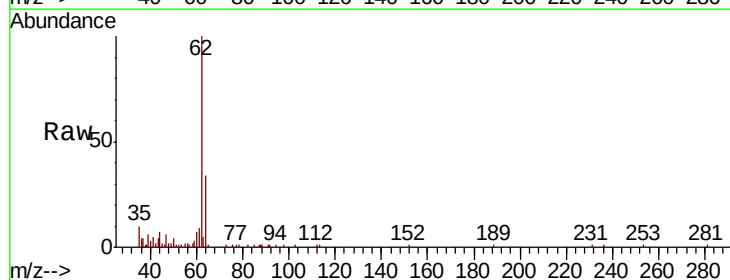
Acq: 18 Jan 2019 13:01

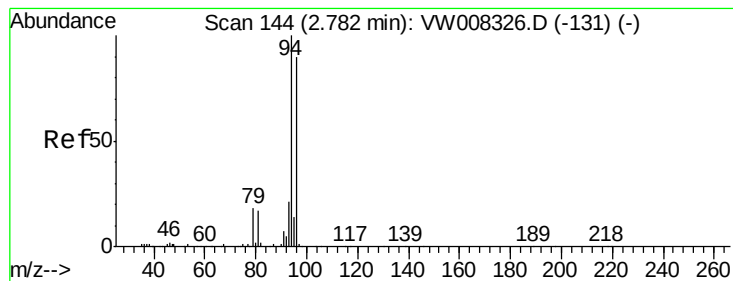
Tgt Ion: 62 Resp: 24076

Ion Ratio Lower Upper

62 100

64 33.0 29.4 44.2





#5

Bromomethane

Concen: 21.484 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

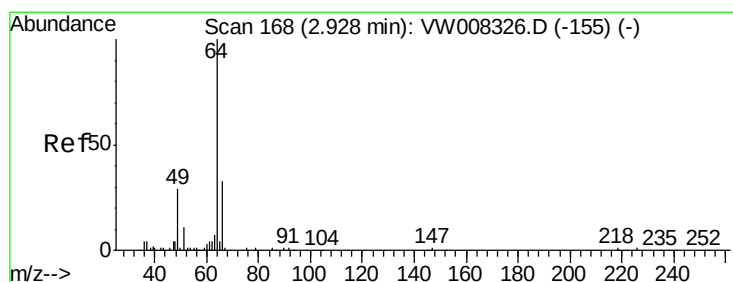
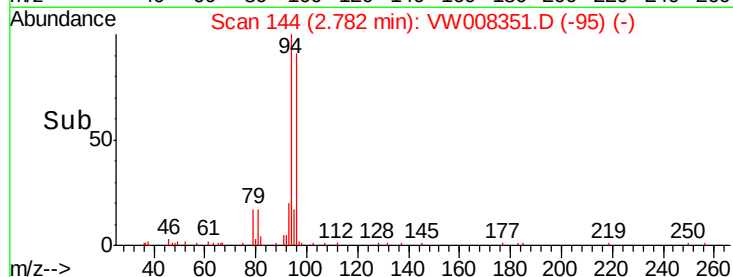
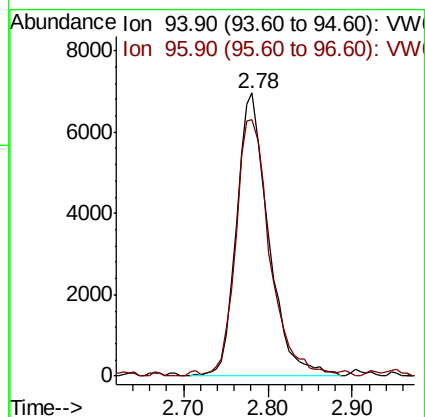
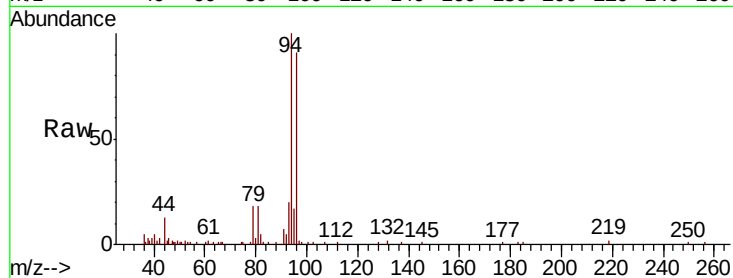
VW0118SBS01

Tgt Ion: 94 Resp: 17851

Ion Ratio Lower Upper

94 100

96 89.3 71.4 107.0



#6

Chloroethane

Concen: 22.674 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008351.D

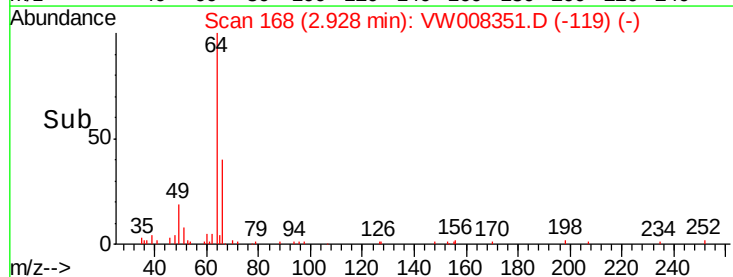
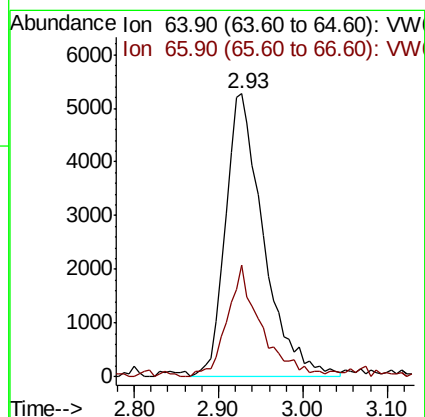
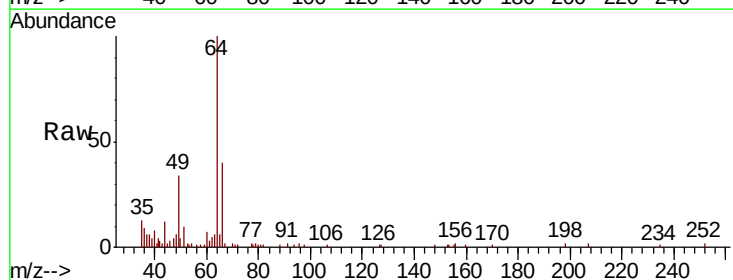
Acq: 18 Jan 2019 13:01

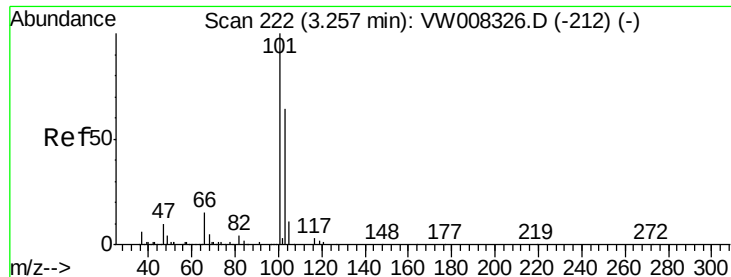
Tgt Ion: 64 Resp: 16272

Ion Ratio Lower Upper

64 100

66 39.7 26.2 39.4#



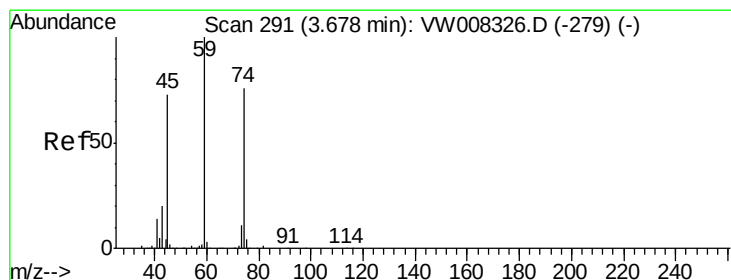
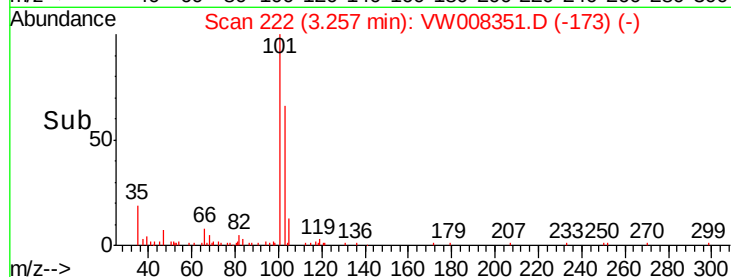
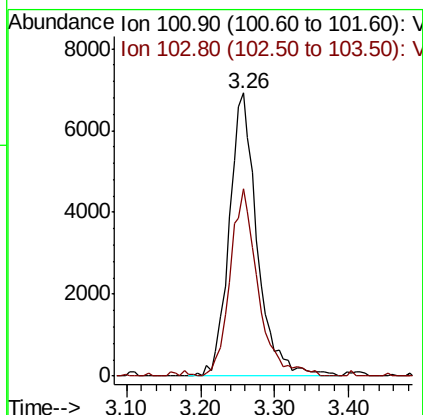
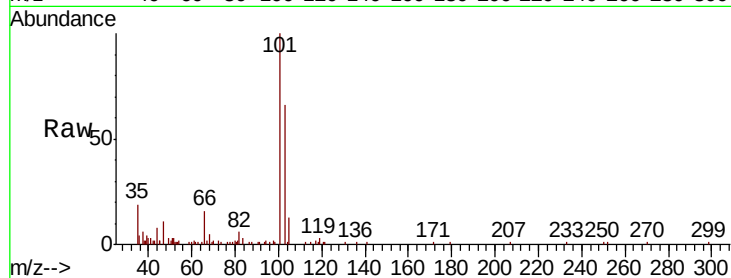


#7

Trichlorofluoromethane
 Concen: 22.491 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

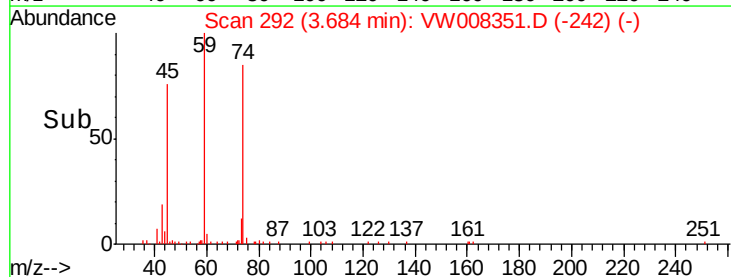
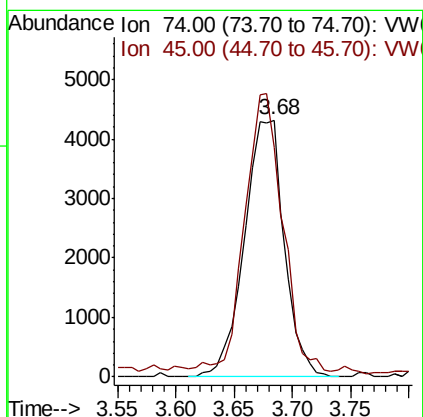
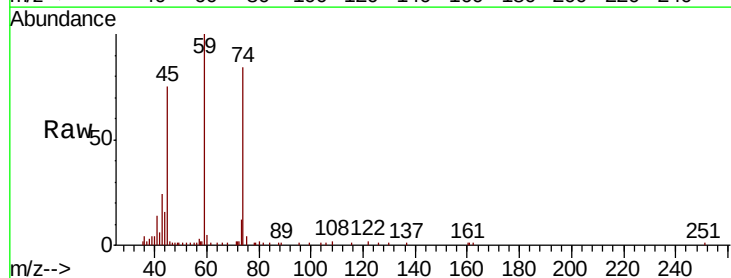
Tgt Ion: 101 Resp: 18106
 Ion Ratio Lower Upper
 101 100
 103 66.4 50.9 76.3

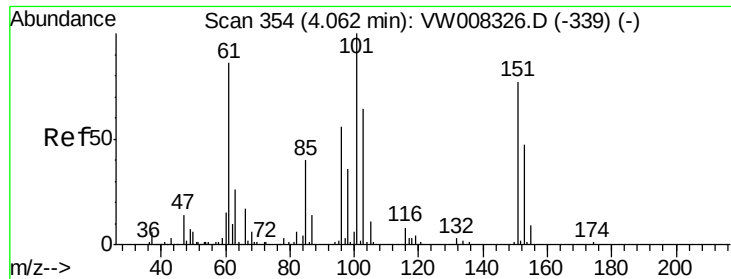


#8

Diethyl Ether
 Concen: 18.465 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 74 Resp: 10308
 Ion Ratio Lower Upper
 74 100
 45 101.5 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.142 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

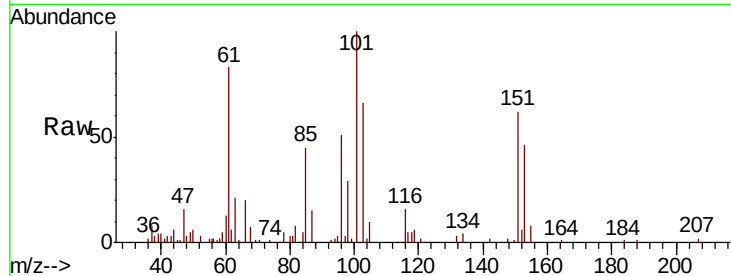
Tgt Ion:101 Resp: 19816

Ion Ratio Lower Upper

101 100

85 44.5 36.0 54.0

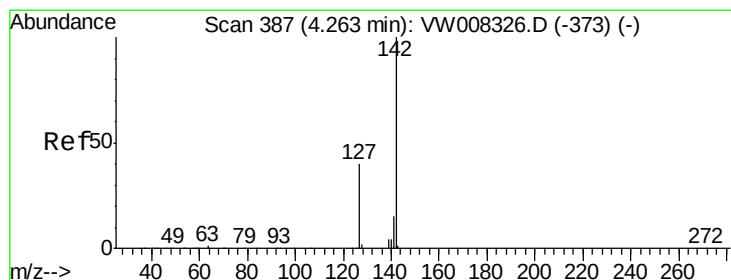
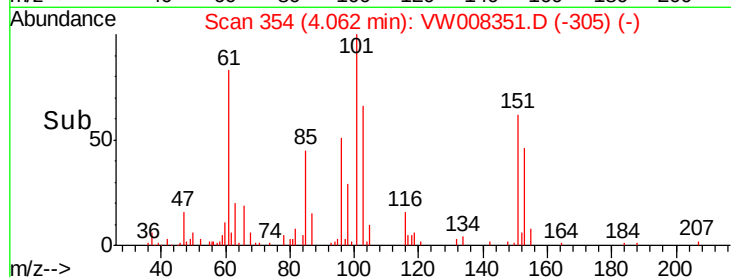
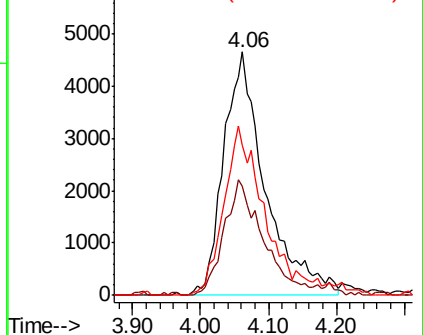
151 68.3 62.3 93.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.563 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

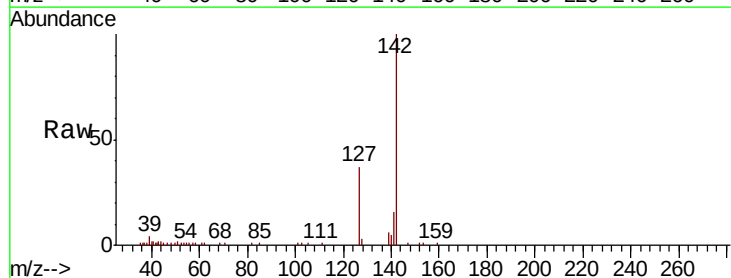
Tgt Ion:142 Resp: 26548

Ion Ratio Lower Upper

142 100

127 44.3 34.3 51.5

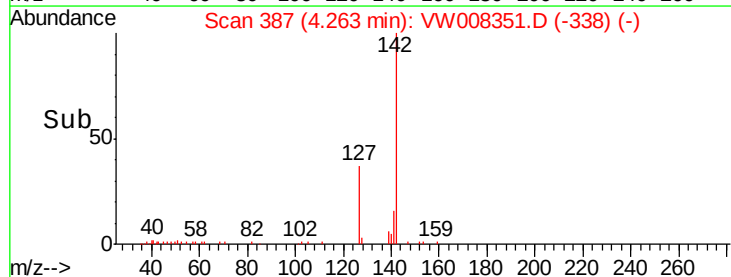
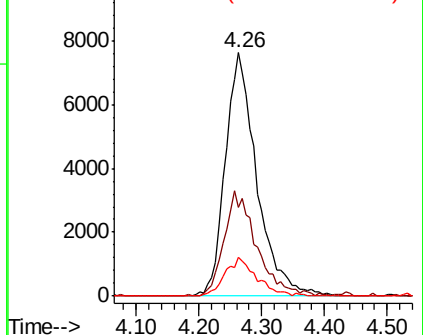
141 15.7 12.2 18.2

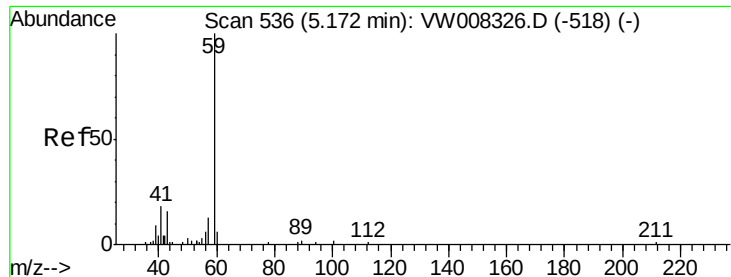


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

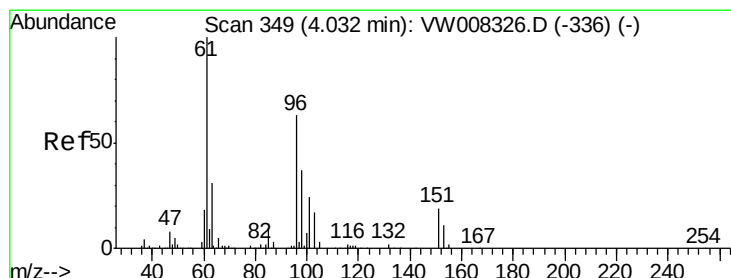
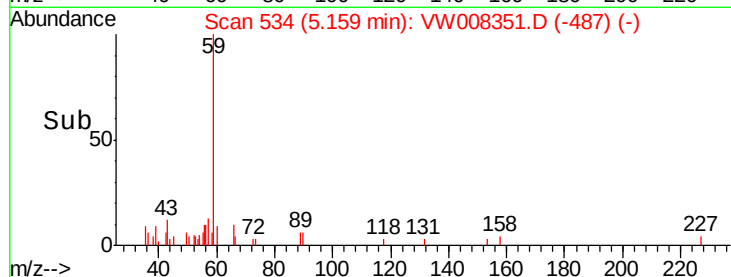
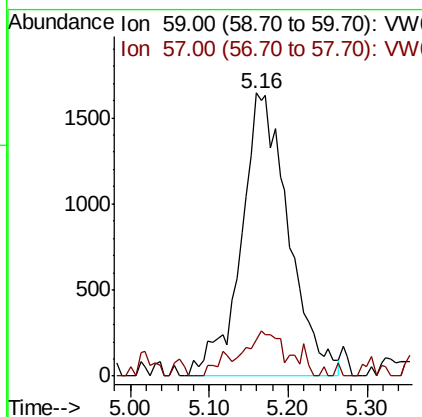
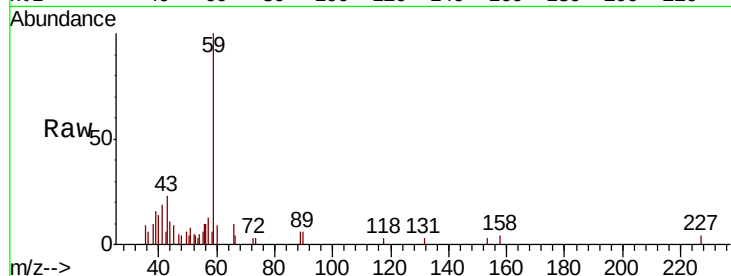




#11
Tert butyl alcohol
Concen: 105.704 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

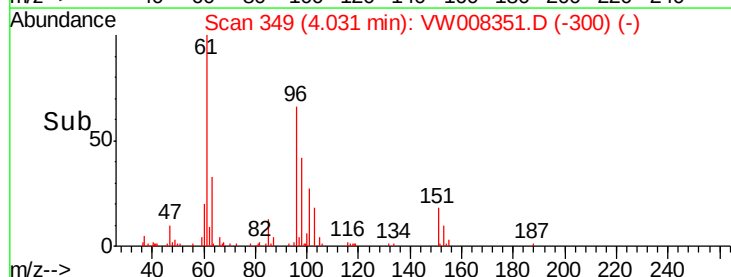
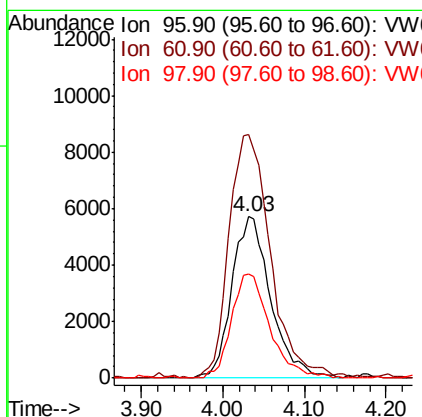
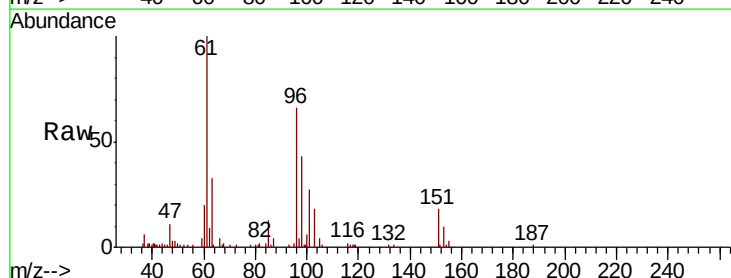
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

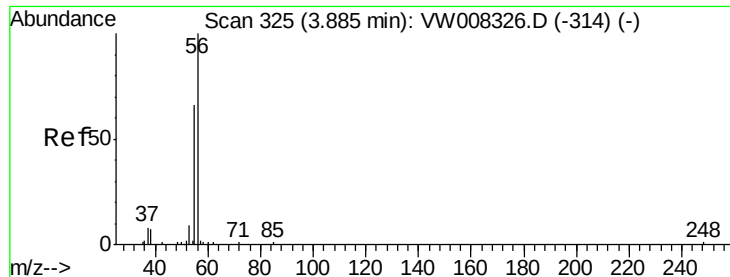
Tgt Ion: 59 Resp: 6878
Ion Ratio Lower Upper
59 100
57 6.1 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 19.746 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 96 Resp: 18823
Ion Ratio Lower Upper
96 100
61 150.9 126.4 189.6
98 64.7 46.7 70.1





#13

Acrolein

Concen: 67.516 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

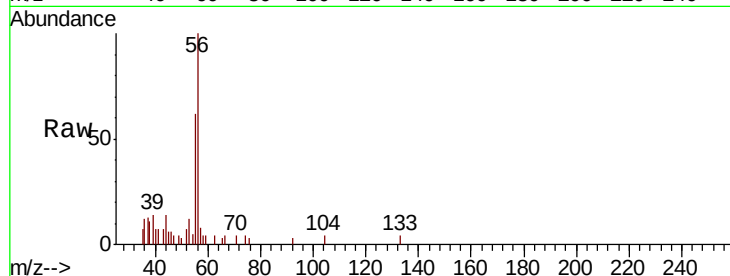
VW0118SBS01

Tgt Ion: 56 Resp: 4155

Ion Ratio Lower Upper

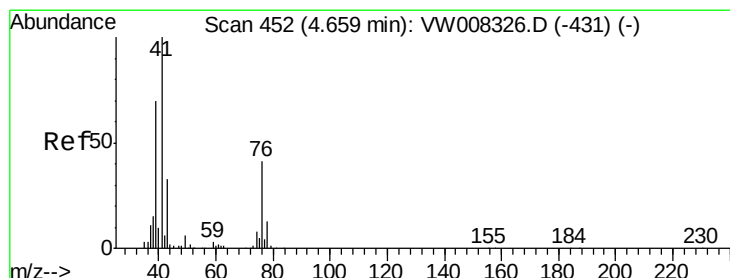
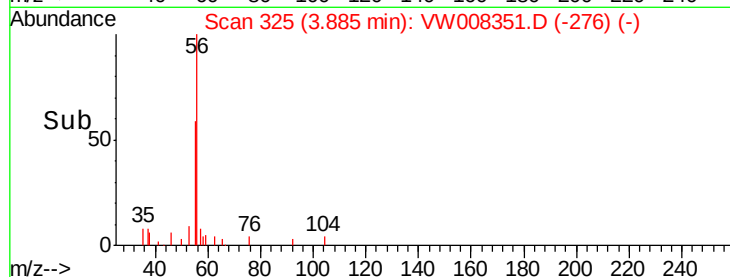
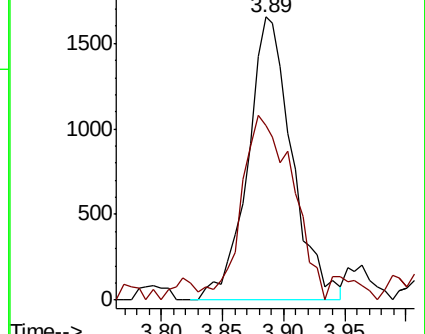
56 100

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: 19.282 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

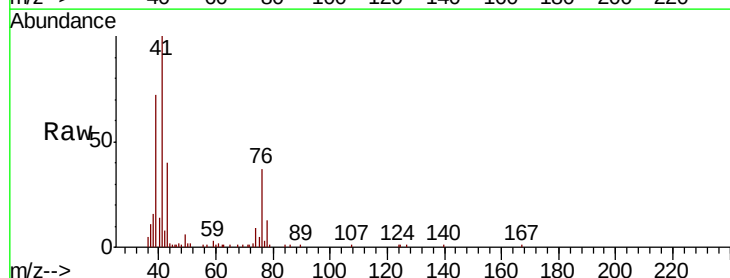
Tgt Ion: 41 Resp: 30728

Ion Ratio Lower Upper

41 100

39 68.4 54.1 81.1

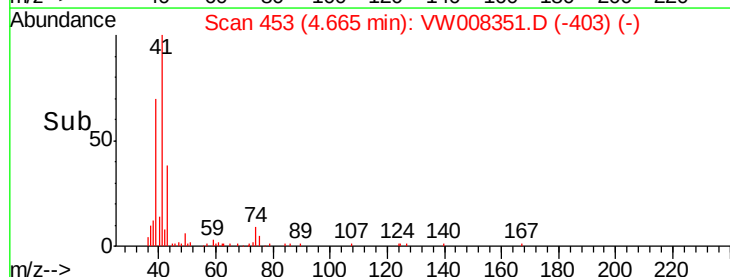
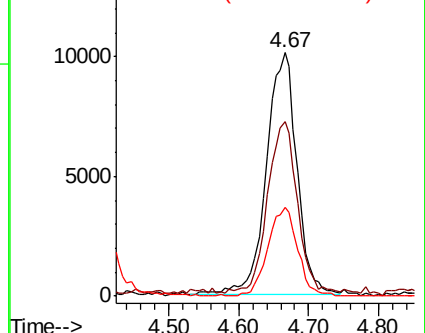
76 35.6 29.5 44.3

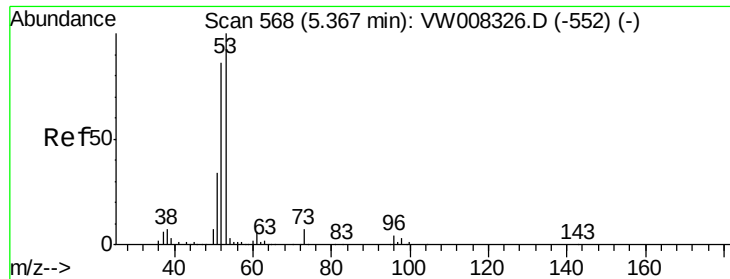


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.052 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBSD01

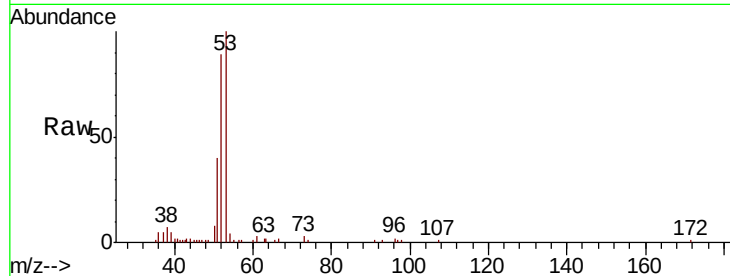
Tgt Ion: 53 Resp: 21241

Ion Ratio Lower Upper

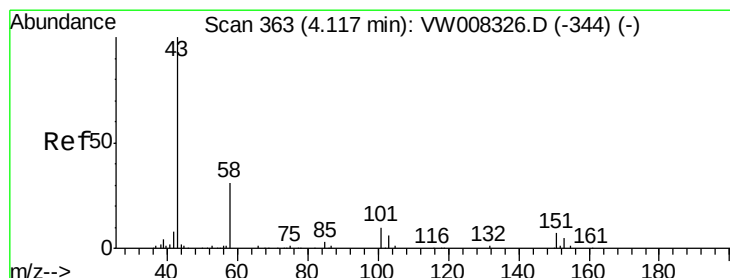
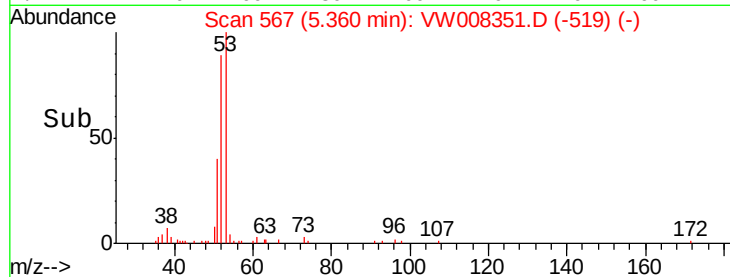
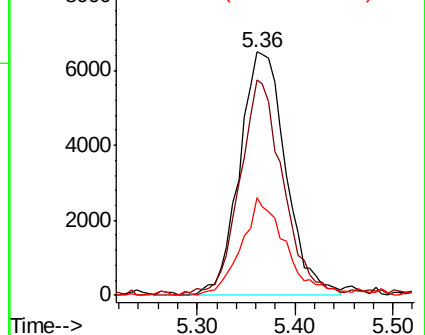
53 100

52 83.1 66.4 99.6

51 38.5 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 91.858 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW008351.D

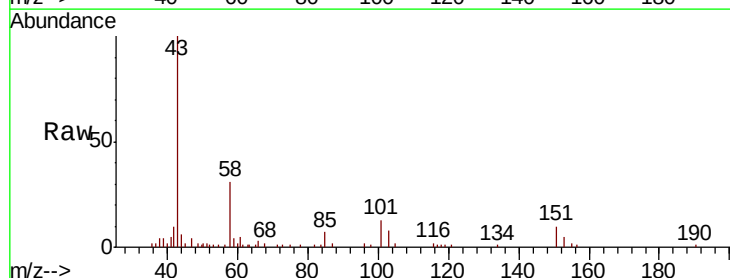
Acq: 18 Jan 2019 13:01

Tgt Ion: 43 Resp: 20616

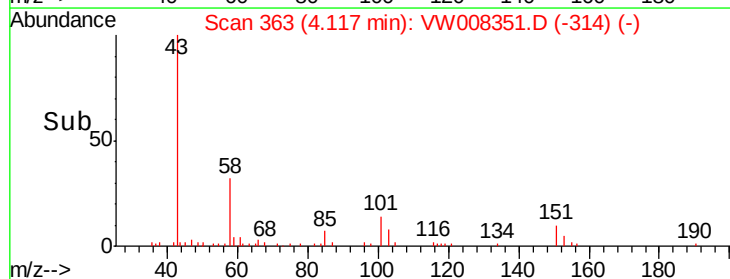
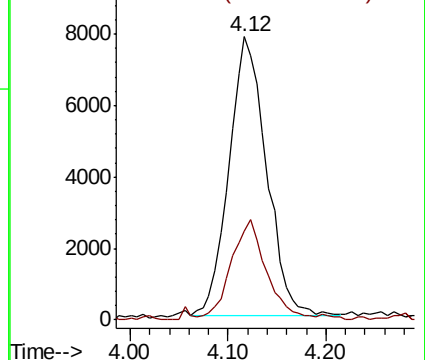
Ion Ratio Lower Upper

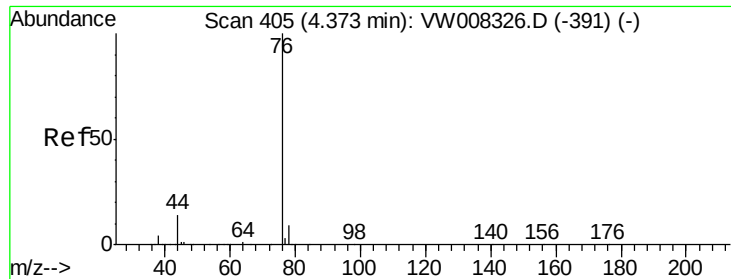
43 100

58 30.4 24.7 37.1



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

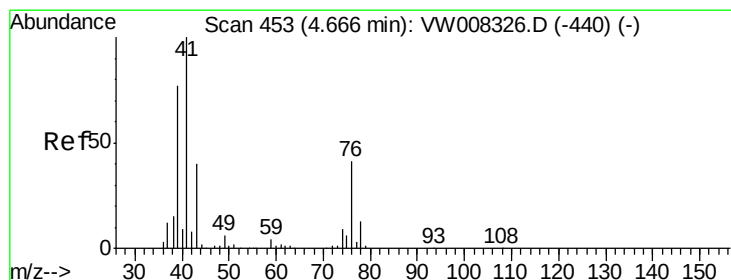
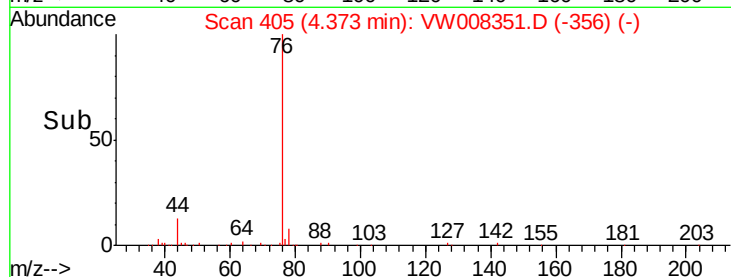
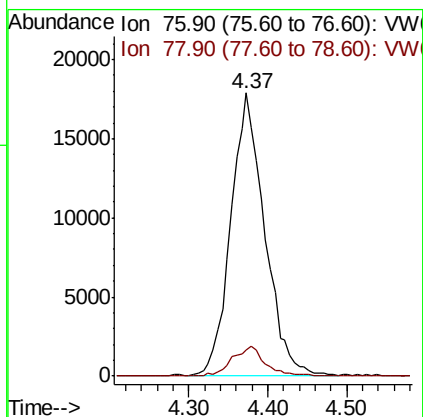
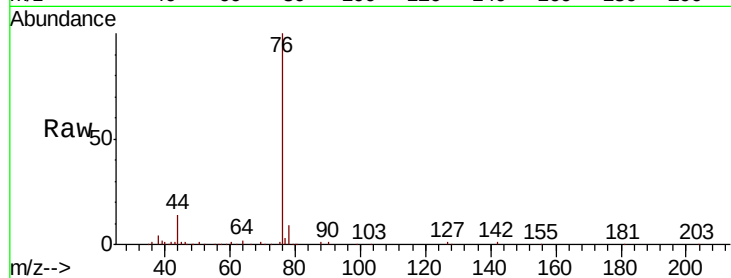




#17
Carbon Disulfide
Concen: 18.455 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

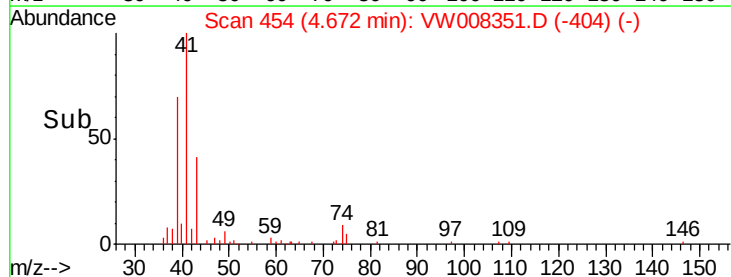
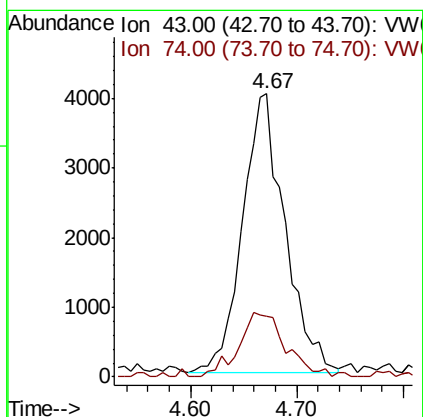
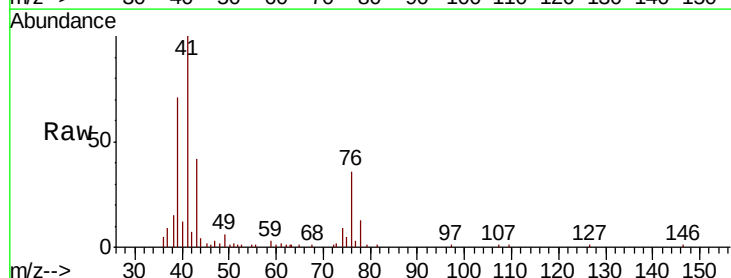
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

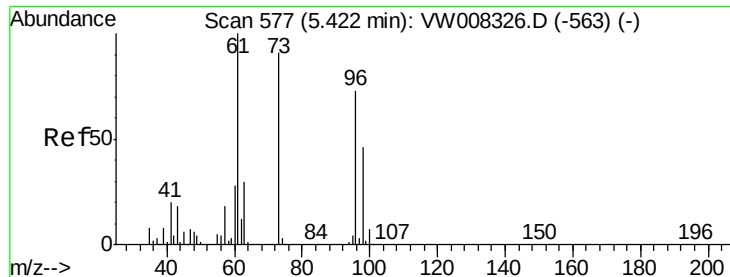
Tgt Ion: 76 Resp: 53531
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4



#18
Methyl Acetate
Concen: 18.770 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 43 Resp: 11253
Ion Ratio Lower Upper
43 100
74 25.6 19.4 29.0

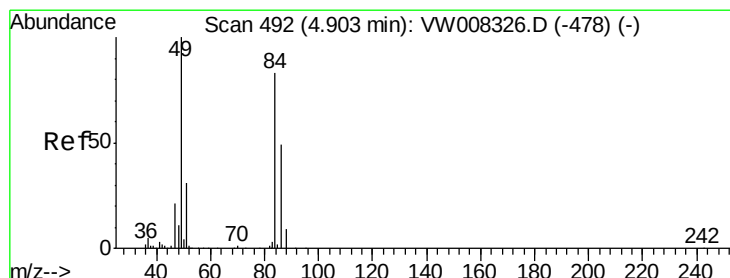
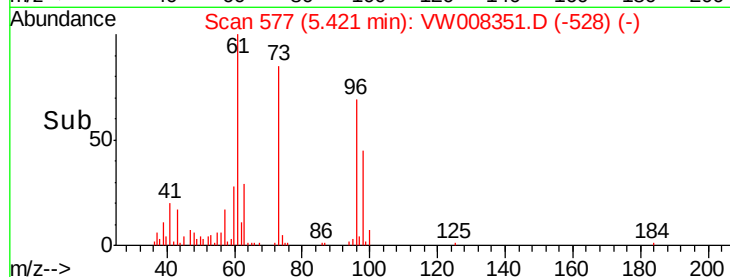
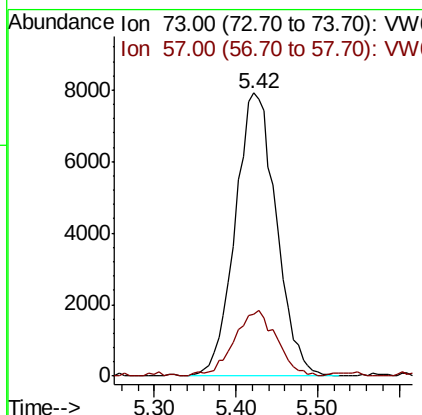
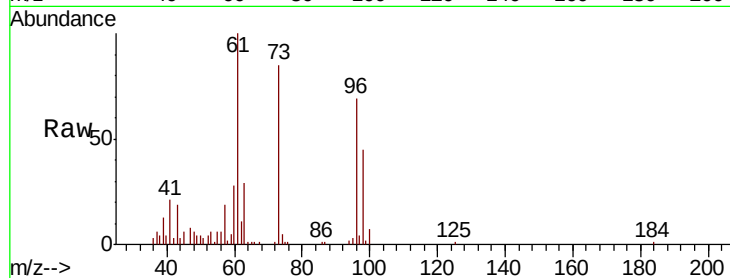




#19
Methyl tert-butyl Ether
Concen: 18.968 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

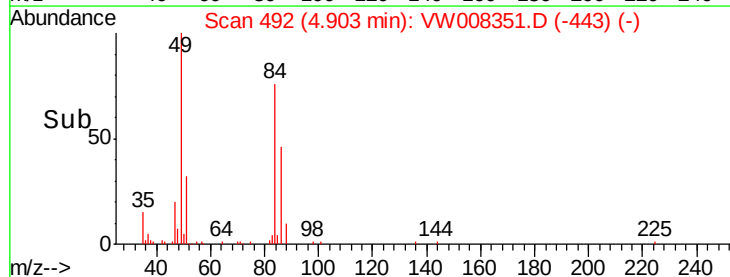
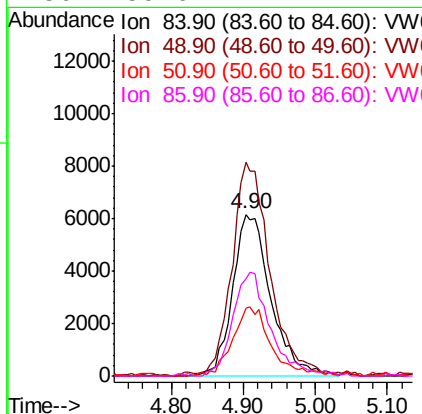
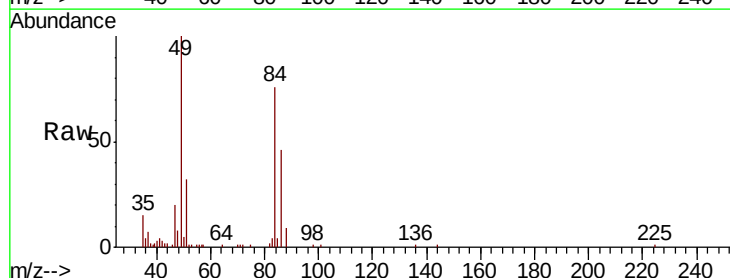
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

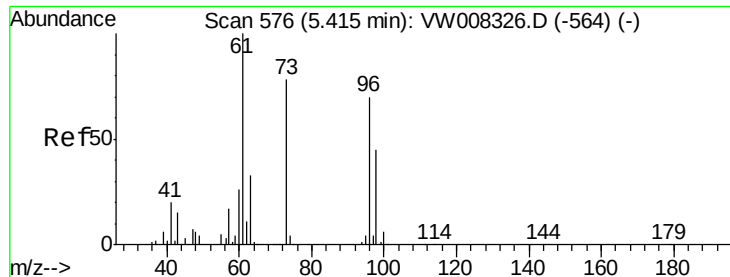
Tgt Ion: 73 Resp: 27679
Ion Ratio Lower Upper
73 100
57 21.9 16.3 24.5



#20
Methylene Chloride
Concen: 19.587 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 84 Resp: 22645
Ion Ratio Lower Upper
84 100
49 130.2 95.9 143.9
51 41.9 29.3 43.9
86 59.6 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 19.430 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

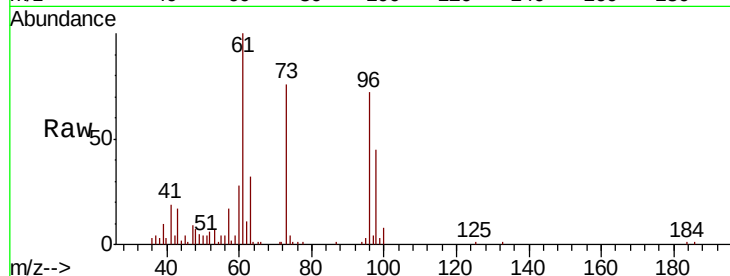
Tgt Ion: 96 Resp: 20803

Ion Ratio Lower Upper

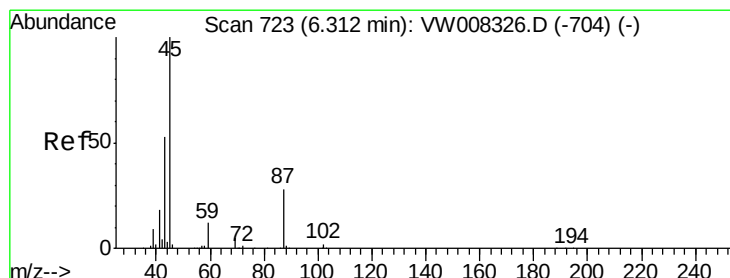
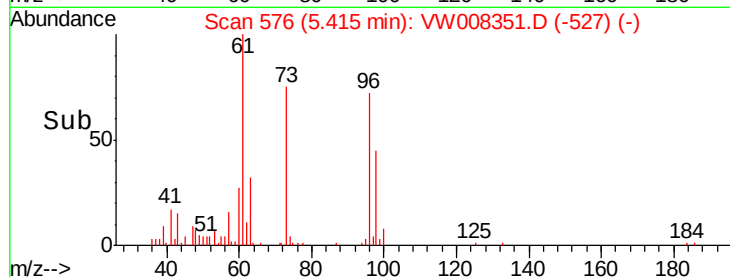
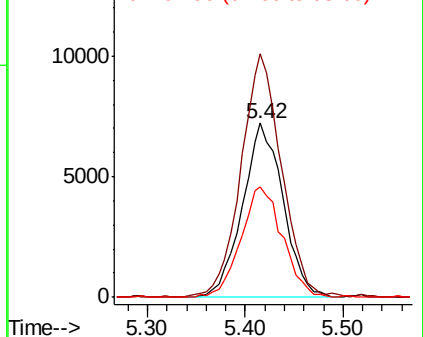
96 100

61 138.7 114.5 171.7

98 63.4 52.0 78.0



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



#22

Diisopropyl ether

Concen: 20.685 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Tgt Ion: 45 Resp: 64357

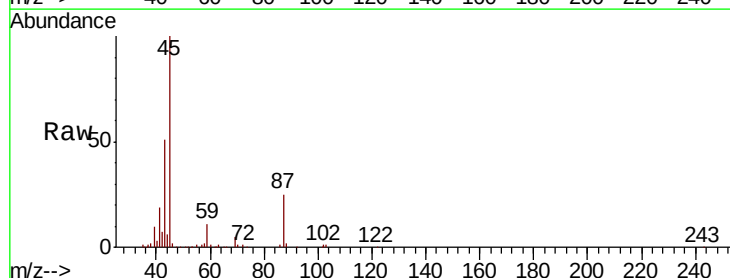
Ion Ratio Lower Upper

45 100

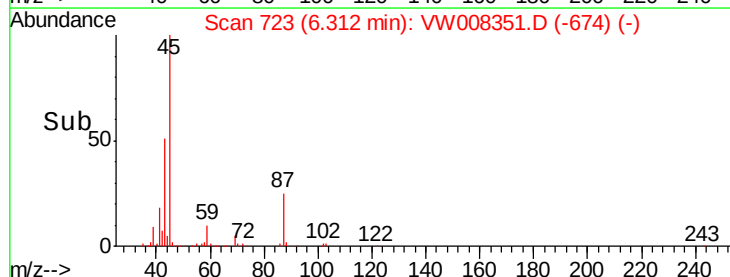
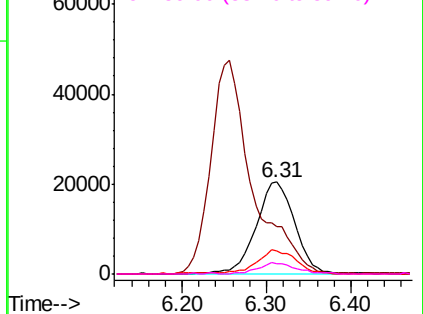
43 50.2 42.5 63.7

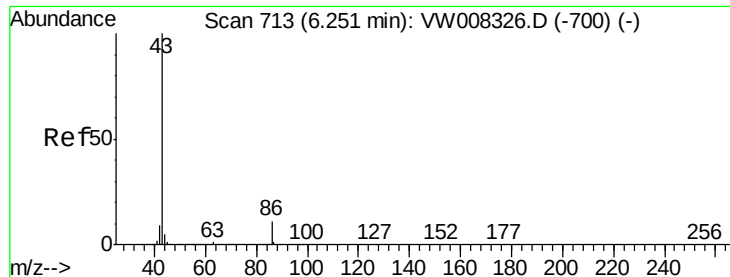
87 25.1 22.2 33.2

59 10.6 9.7 14.5



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





#23

Vinyl Acetate

Concen: 97.422 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

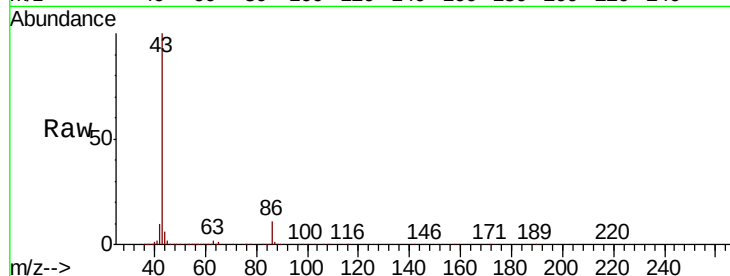
VW0118SBSD01

Tgt Ion: 43 Resp: 162024

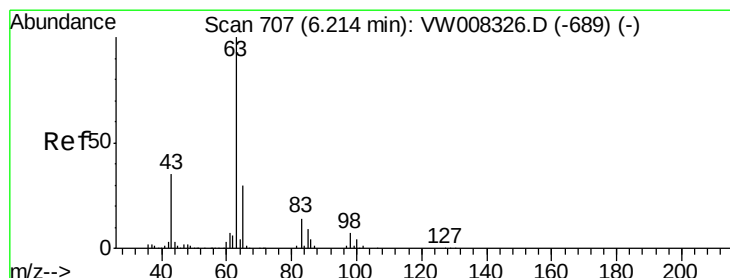
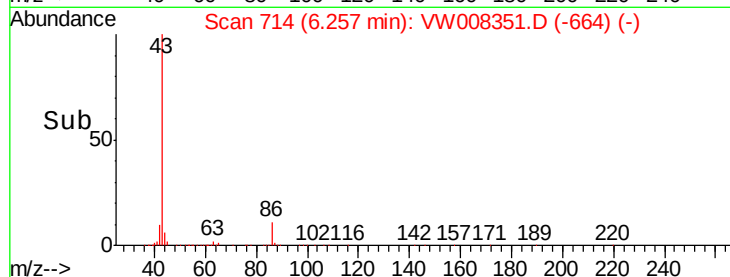
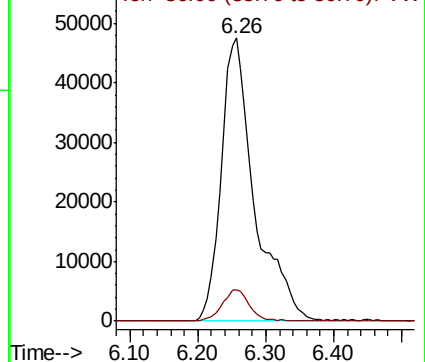
Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.039 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

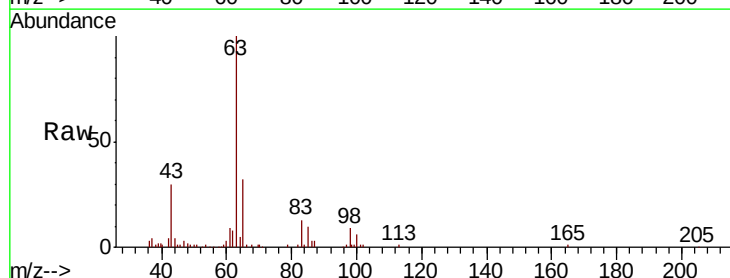
Tgt Ion: 63 Resp: 37962

Ion Ratio Lower Upper

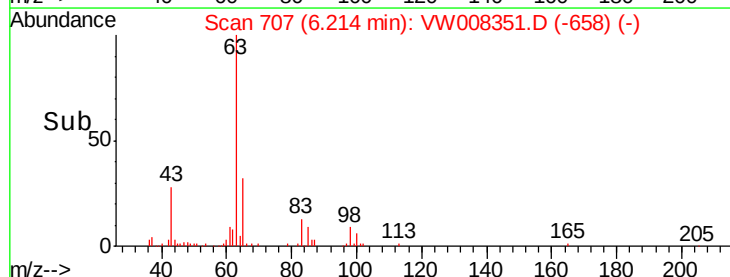
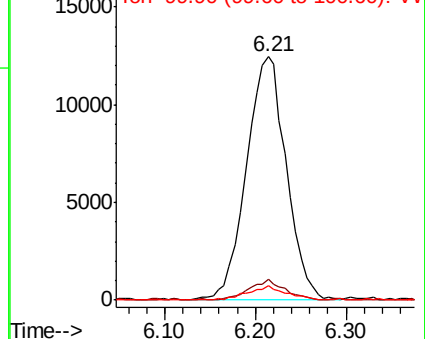
63 100

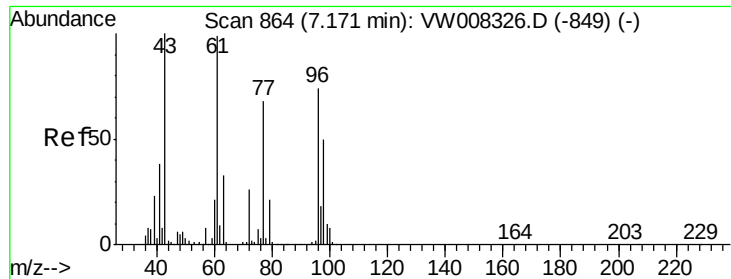
98 9.2 3.5 10.6

100 6.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 94.724 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

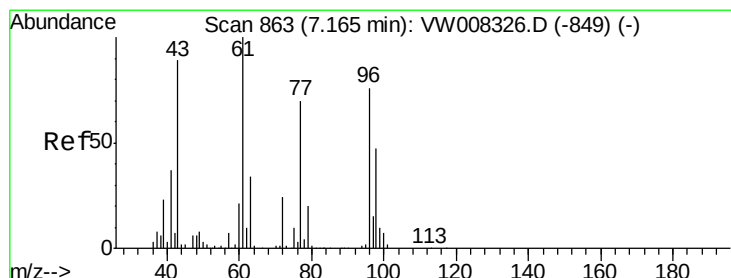
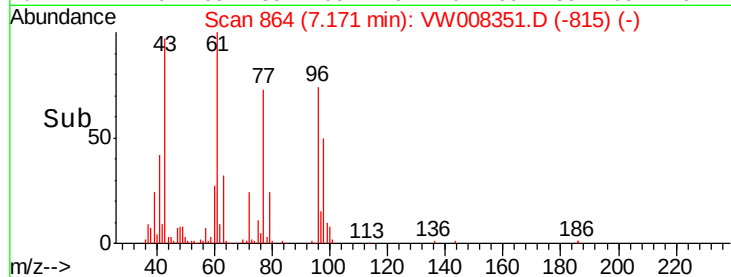
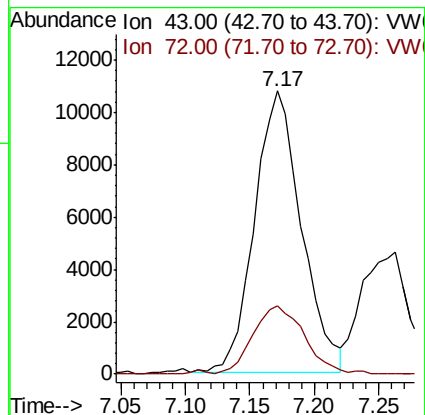
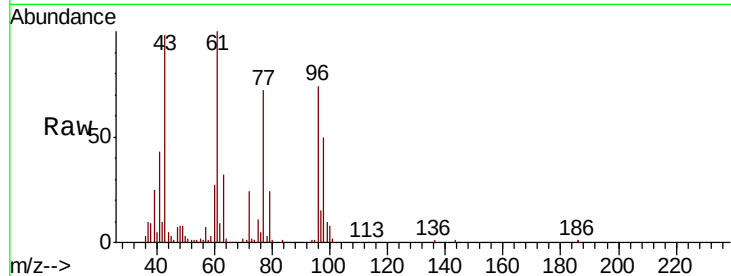
VW0118SBSD01

Tgt Ion: 43 Resp: 27229

Ion Ratio Lower Upper

43 100

72 24.0 21.2 31.8



#26

2,2-Dichloropropane

Concen: 20.029 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008351.D

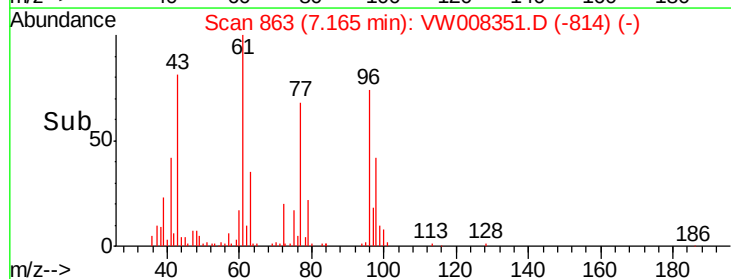
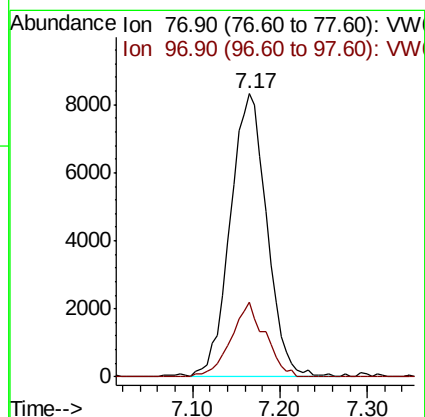
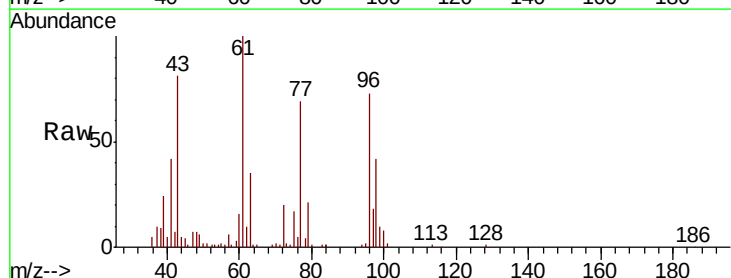
Acq: 18 Jan 2019 13:01

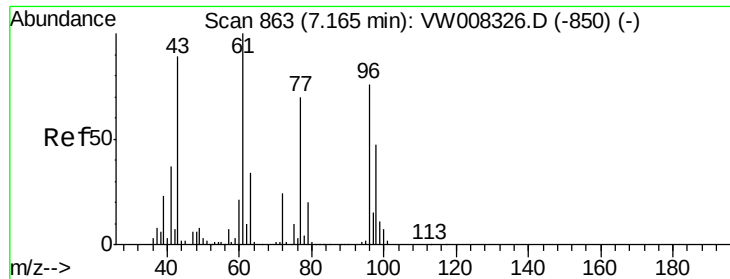
Tgt Ion: 77 Resp: 24214

Ion Ratio Lower Upper

77 100

97 24.4 11.7 35.1



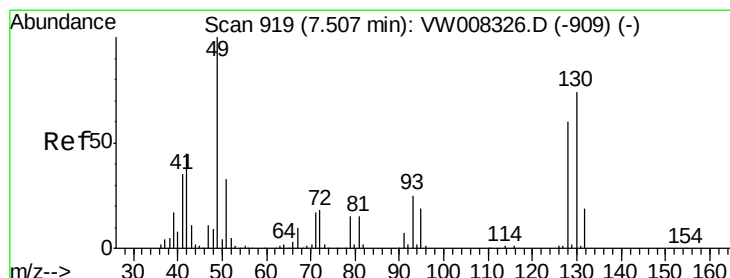
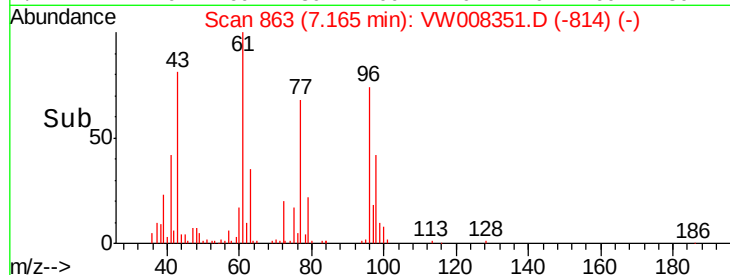
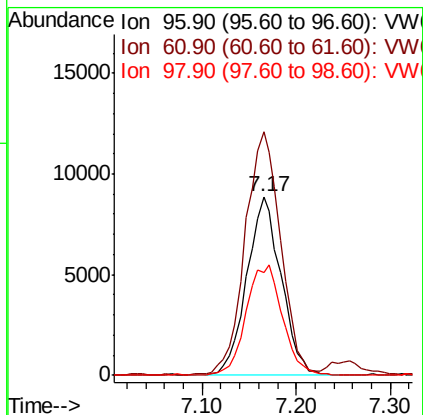
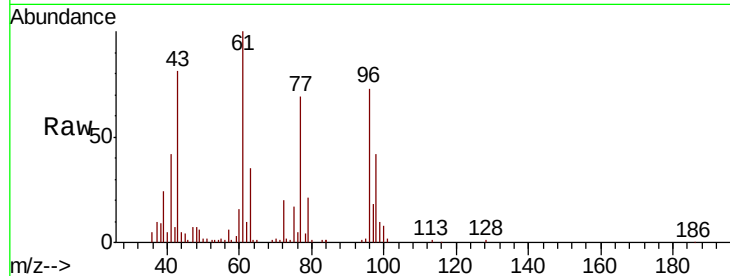


#27

cis-1,2-Dichloroethene
 Concen: 19.584 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

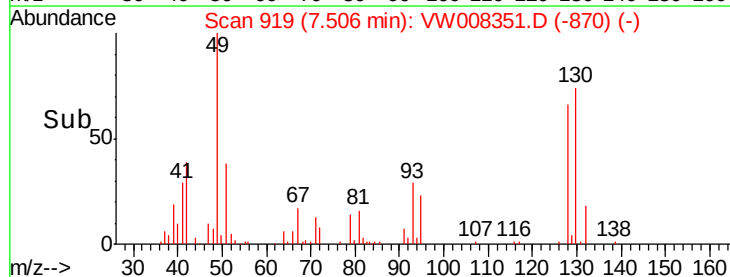
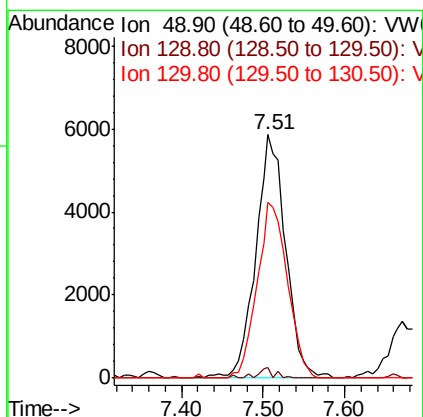
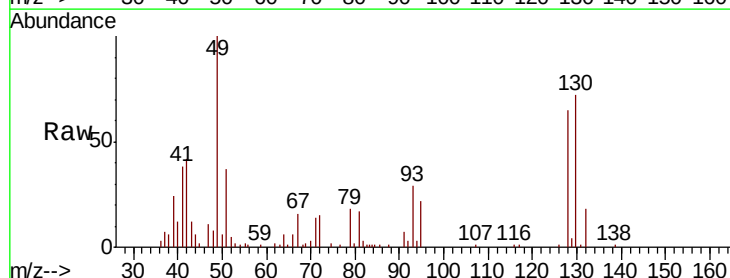
Tgt Ion: 96 Resp: 22717
 Ion Ratio Lower Upper
 96 100
 61 141.2 0.0 272.2
 98 65.3 0.0 129.4

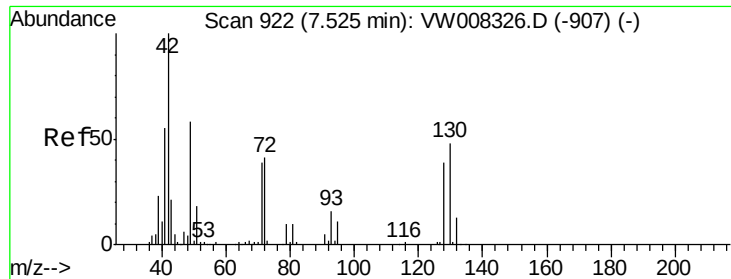


#28

Bromochloromethane
 Concen: 19.184 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 49 Resp: 14973
 Ion Ratio Lower Upper
 49 100
 129 2.2 0.0 2.6
 130 73.1 0.0 0.0#

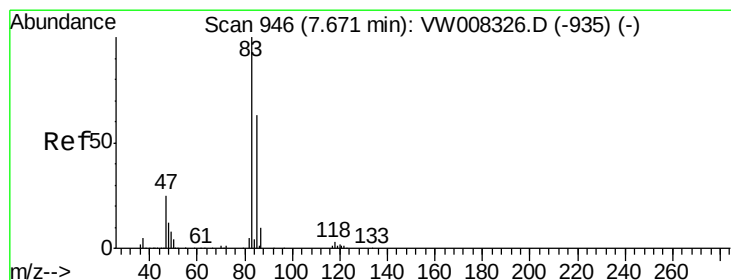
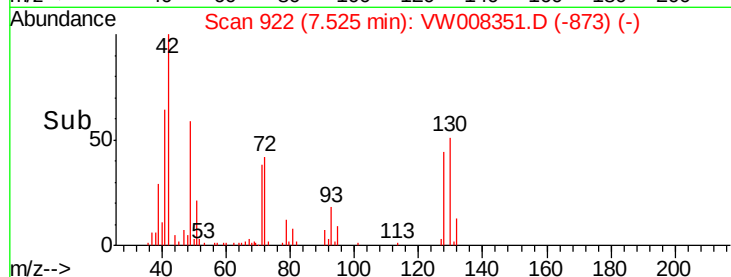
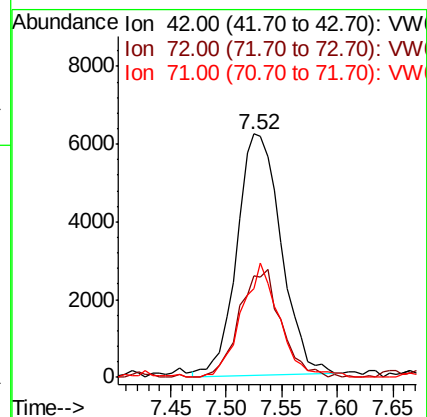
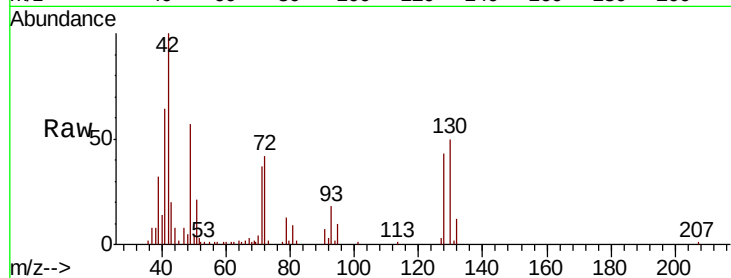




#29
Tetrahydrofuran
Concen: 95.366 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

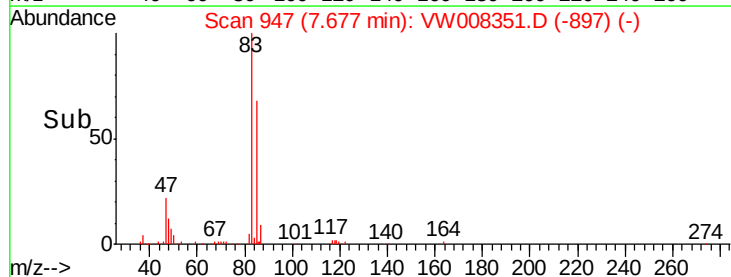
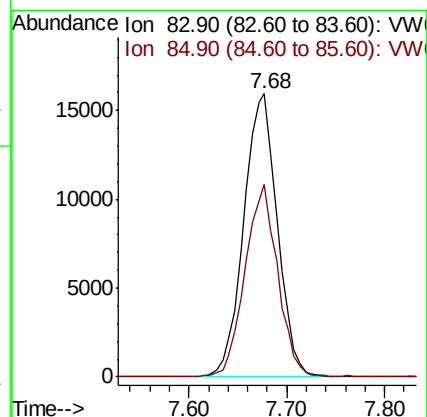
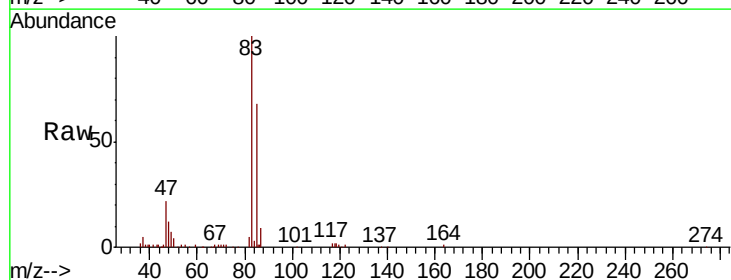
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

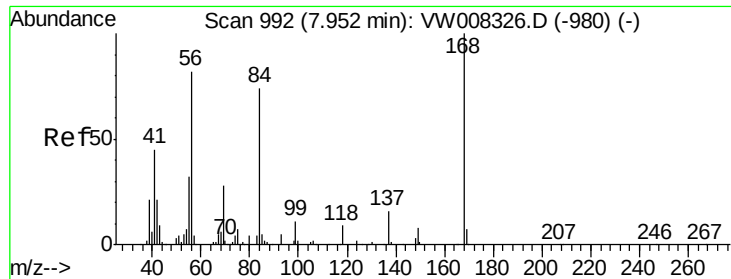
Tgt Ion: 42 Resp: 17090
Ion Ratio Lower Upper
42 100
72 42.3 34.0 51.0
71 41.1 32.0 48.0



#30
Chloroform
Concen: 20.322 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 83 Resp: 38090
Ion Ratio Lower Upper
83 100
85 67.8 50.2 75.2

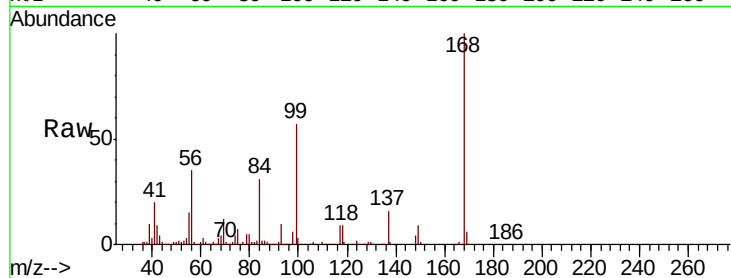




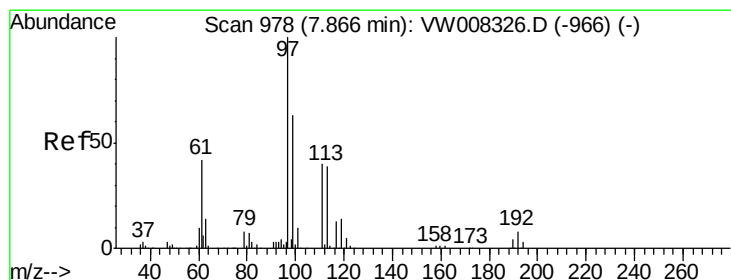
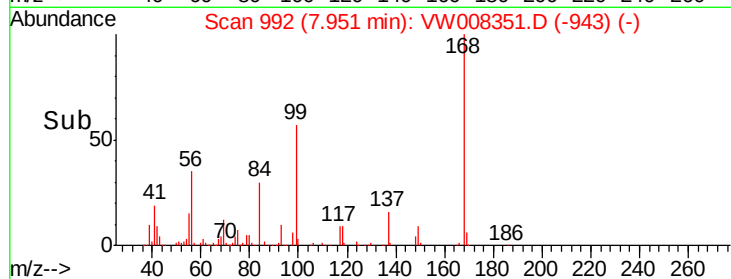
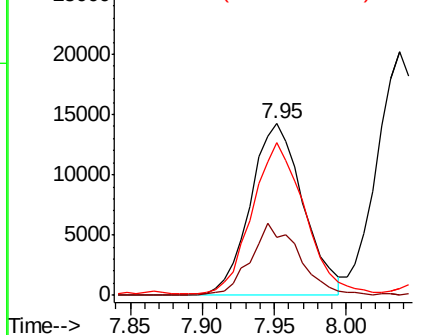
#31
Cyclohexane
Concen: 20.136 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tgt Ion: 56 Resp: 36345
Ion Ratio Lower Upper
56 100
69 33.8 27.0 40.6
84 88.2 72.5 108.7

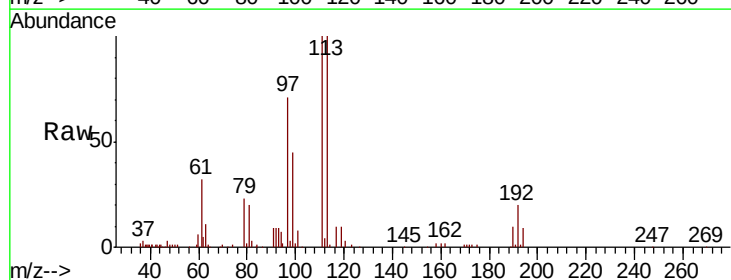


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

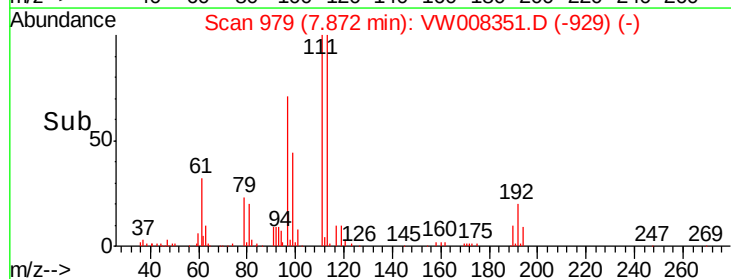
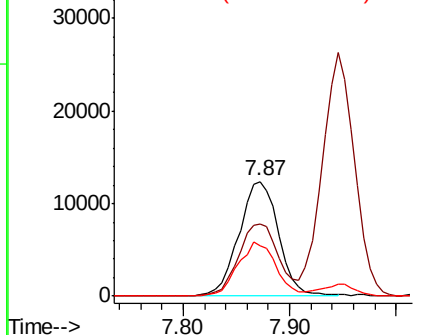


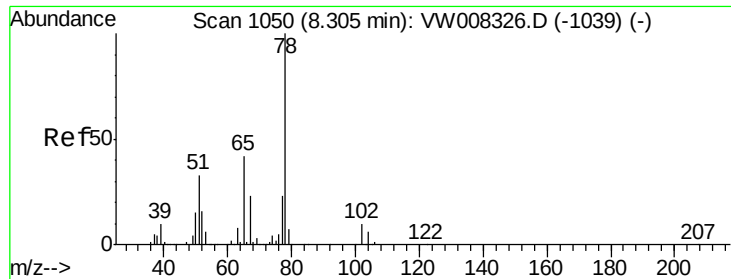
#32
1,1,1-Trichloroethane
Concen: 20.647 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 97 Resp: 32479
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 45.2 34.0 51.0



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

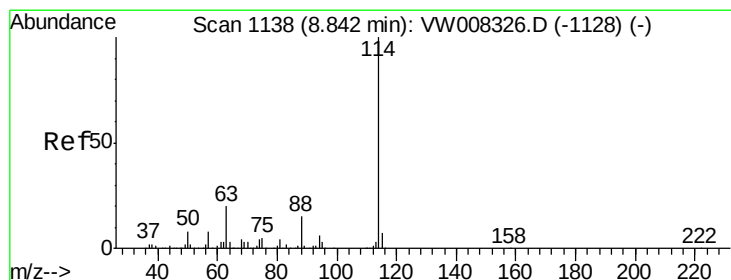
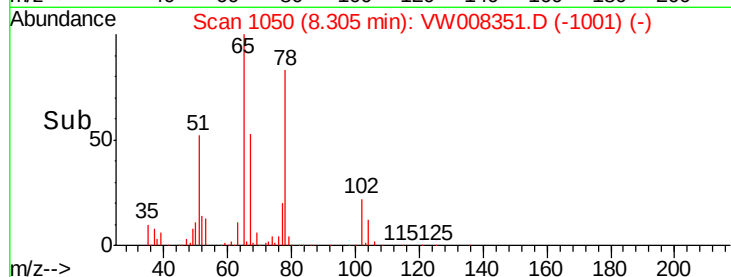
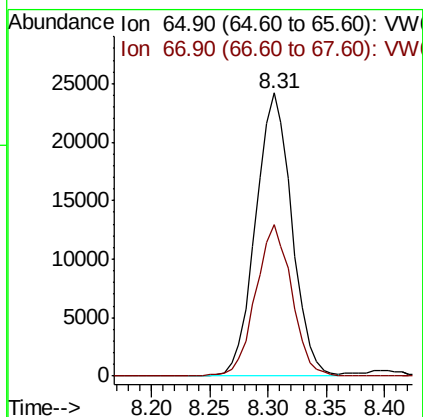
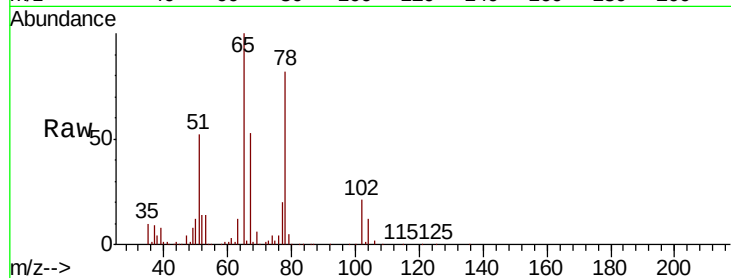




#33
 1,2-Dichloroethane-d4
 Concen: 54.256 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

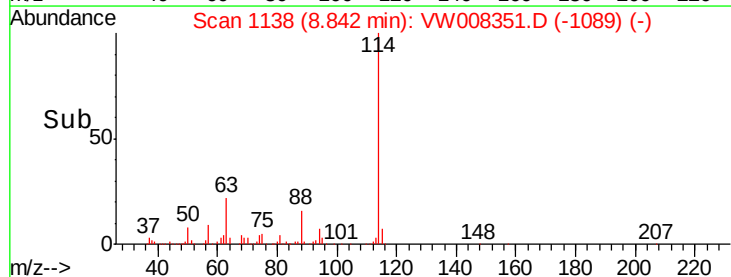
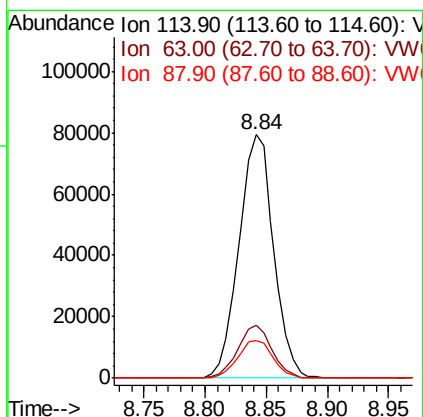
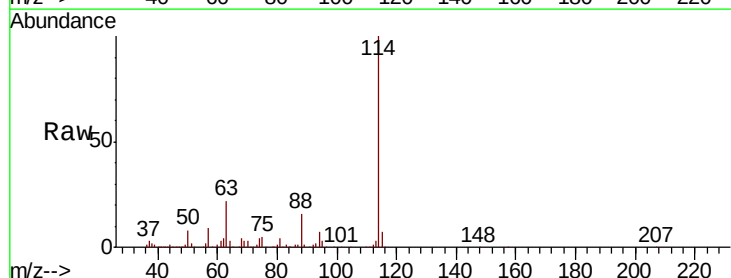
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0118SBSD01

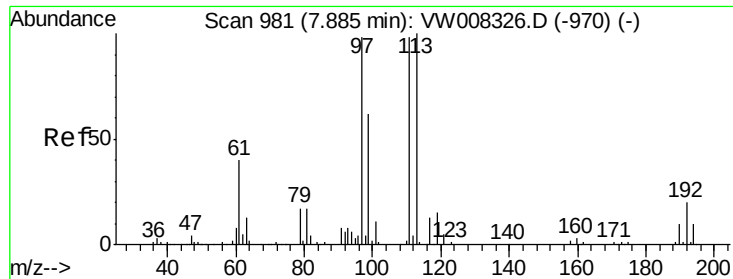
Tgt Ion: 65 Resp: 52433
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 114 Resp: 156110
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.8
 88 15.5 0.0 30.4

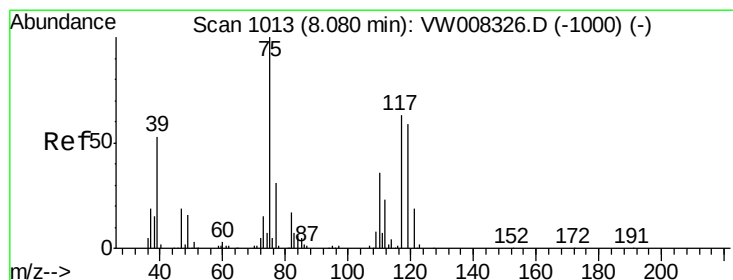
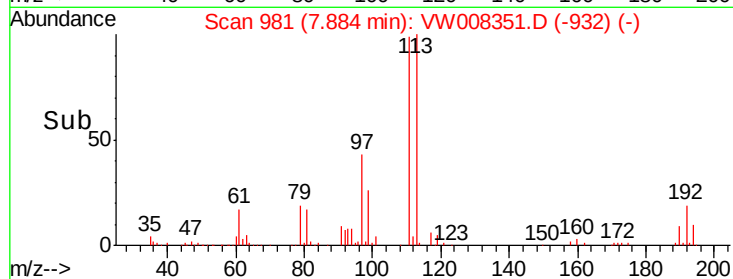
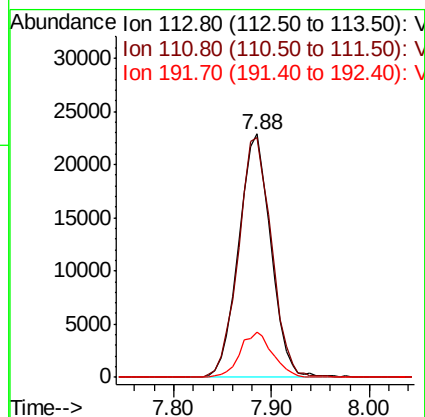
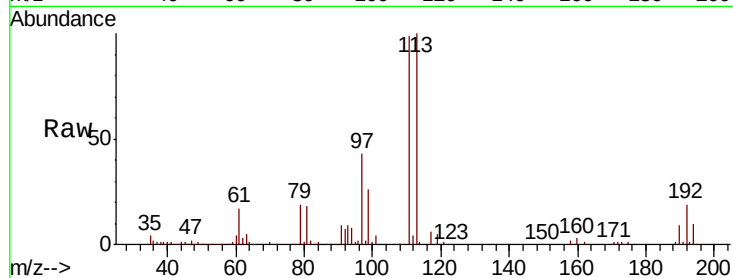




#35
 Dibromofluoromethane
 Concen: 52.402 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

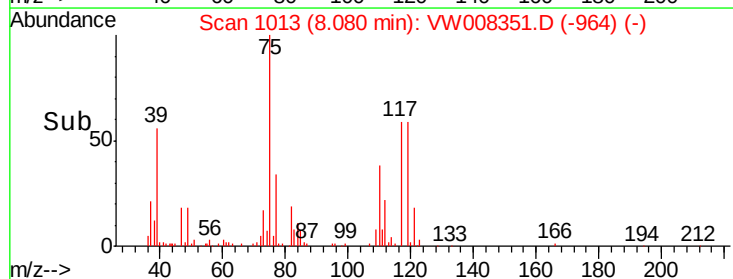
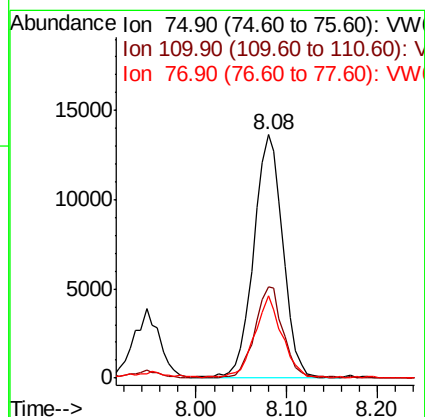
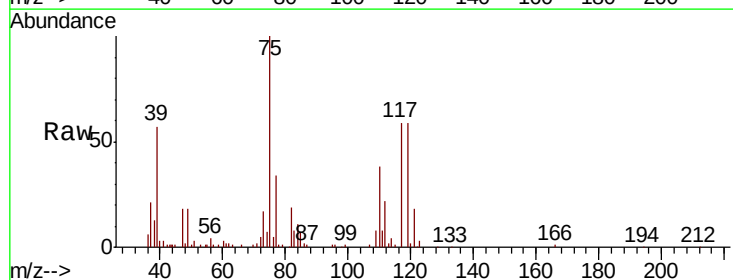
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBSD01

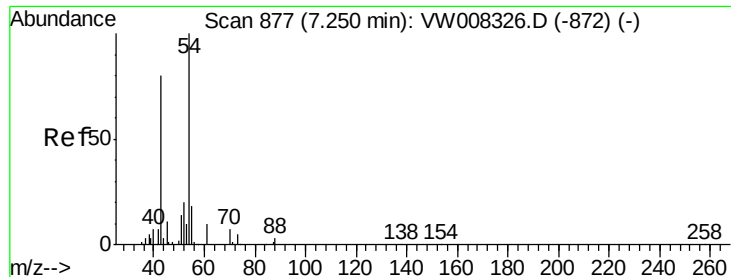
Tgt Ion:113 Resp: 52219
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.8 122.8
 192 18.7 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 19.437 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 75 Resp: 30528
 Ion Ratio Lower Upper
 75 100
 110 35.7 17.5 52.6
 77 32.1 25.0 37.6

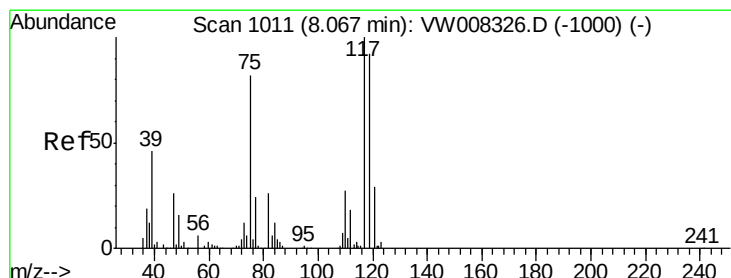
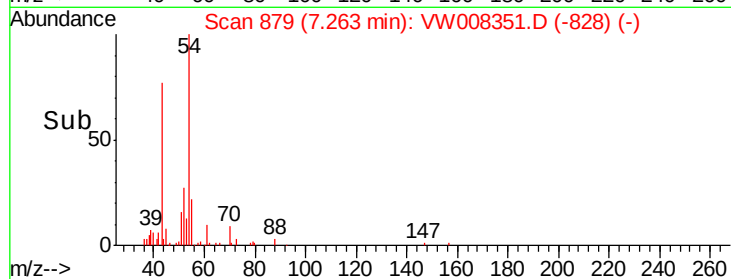
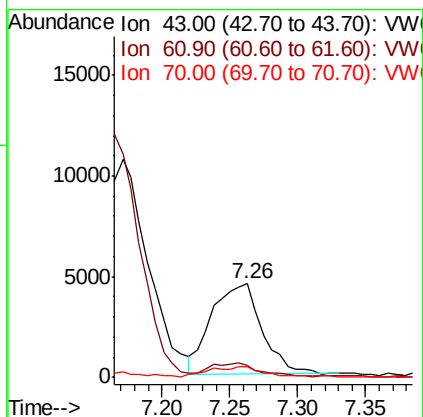
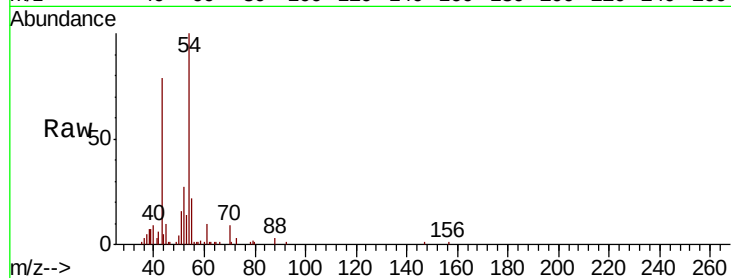




#37
Ethyl Acetate
Concen: 18.009 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

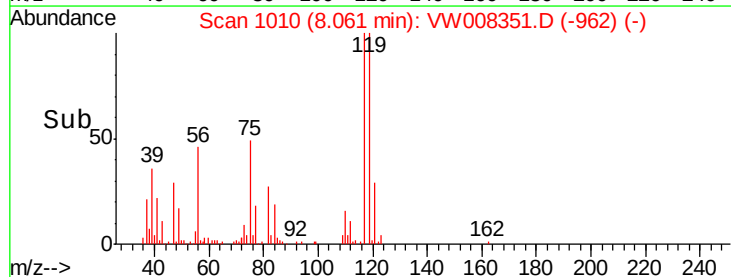
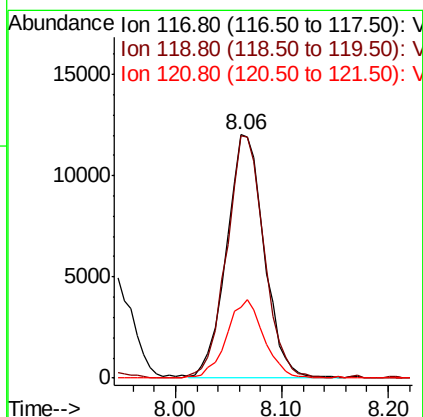
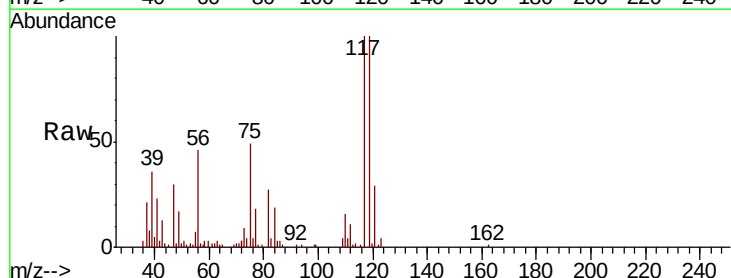
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

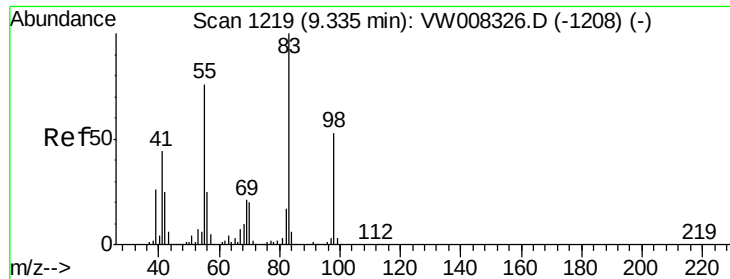
Tgt Ion: 43 Resp: 11664
Ion Ratio Lower Upper
43 100
61 16.1 11.5 17.3
70 12.7 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.209 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 117 Resp: 29791
Ion Ratio Lower Upper
117 100
119 99.1 73.8 110.6
121 28.6 23.4 35.0

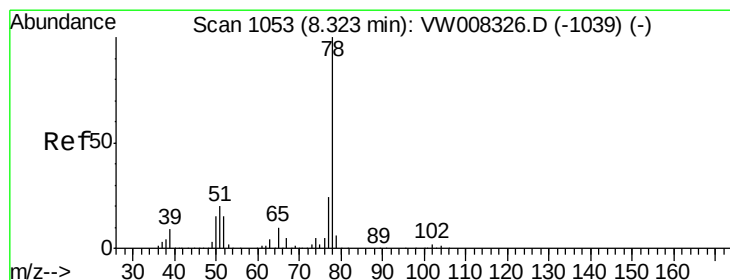
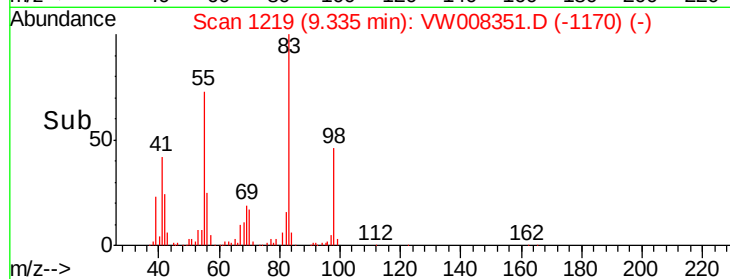
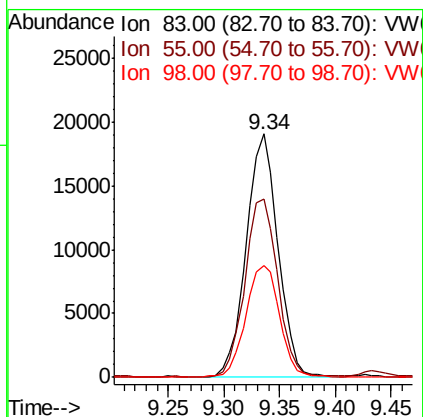
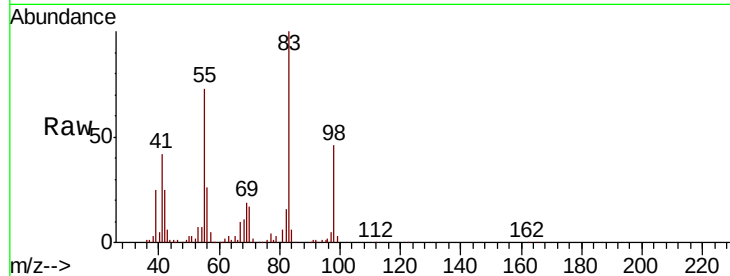




#39
Methylcyclohexane
Concen: 20.393 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

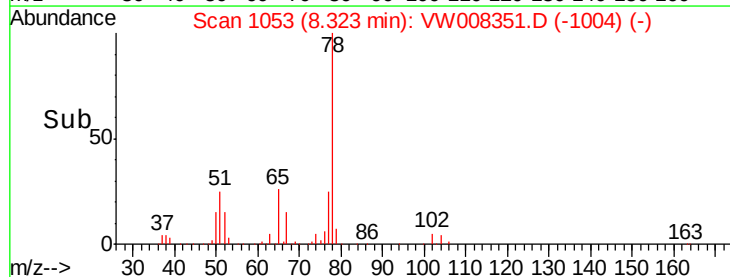
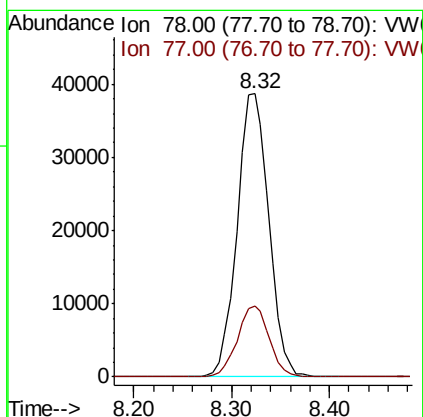
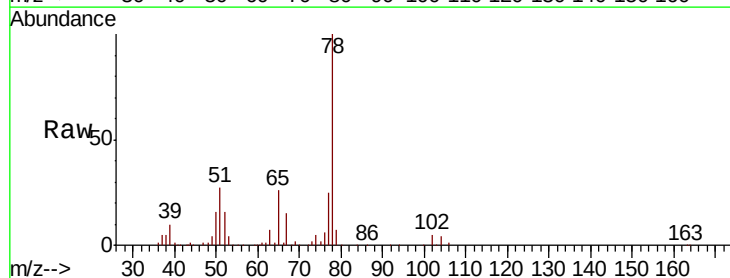
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

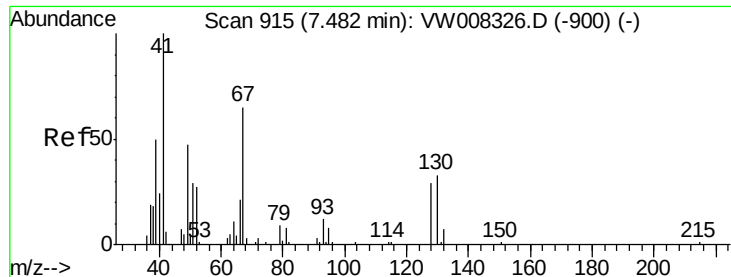
Tgt Ion: 83 Resp: 38099
Ion Ratio Lower Upper
83 100
55 73.1 61.1 91.7
98 45.8 42.5 63.7



#40
Benzene
Concen: 19.523 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 78 Resp: 86860
Ion Ratio Lower Upper
78 100
77 25.2 19.4 29.0

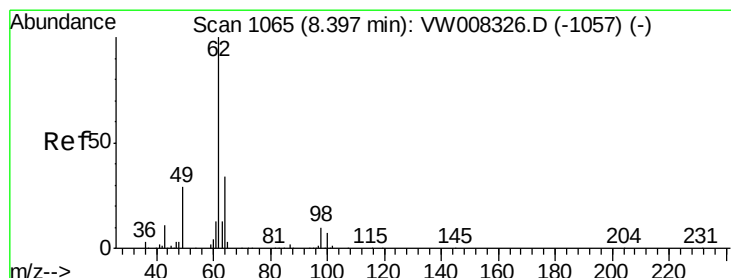
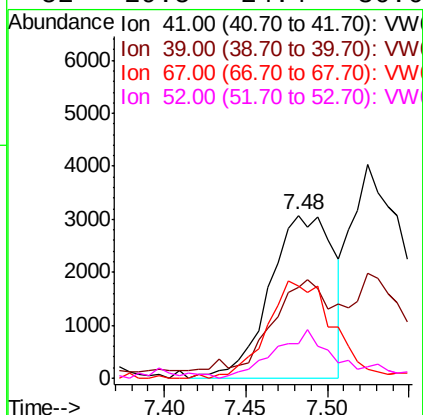
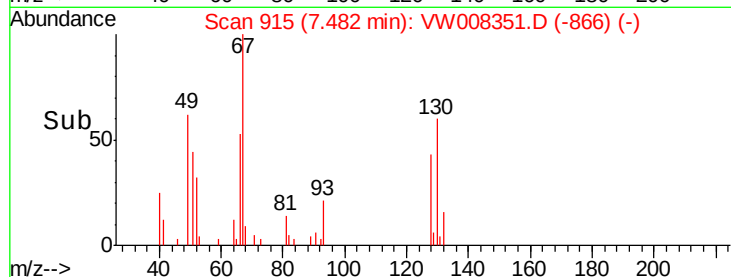
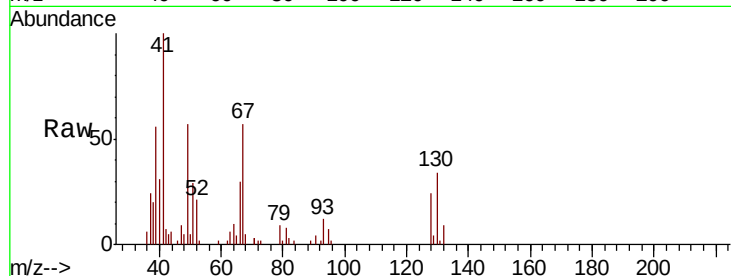




#41
Methacrylonitrile
Concen: 22.149 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

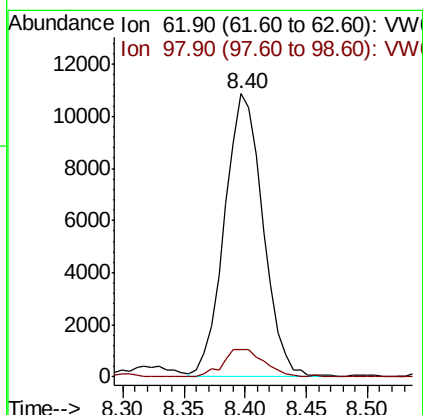
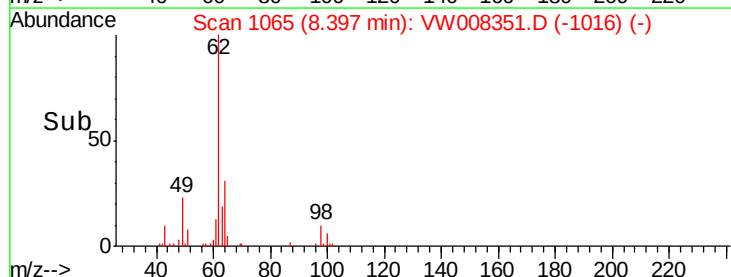
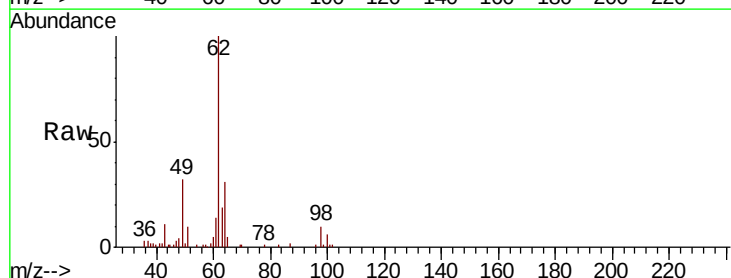
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

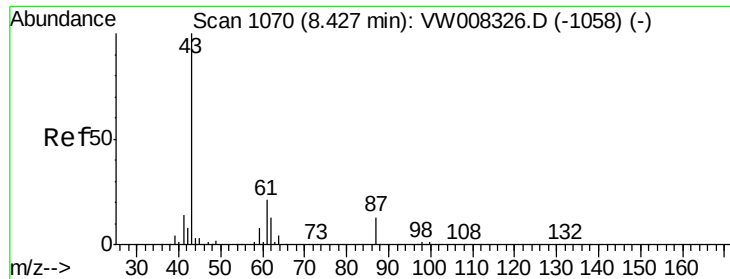
Tgt Ion:	41	Resp:	8351
Ion	Ratio	Lower	Upper
41	100		
39	55.5	44.9	67.3
67	63.0	56.9	85.3
52	29.5	24.4	36.6



#42
1,2-Dichloroethane
Concen: 19.051 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:	62	Resp:	23701
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.0





#43

Isopropyl Acetate

Concen: 18.336 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBSD01

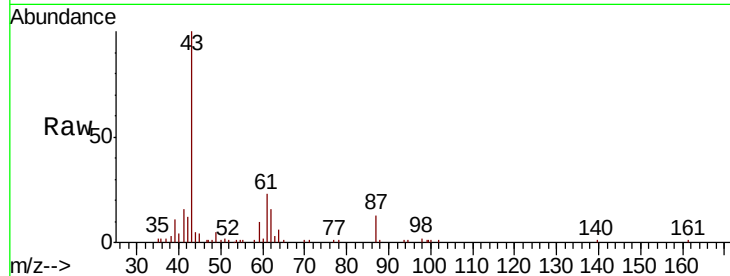
Tgt Ion: 43 Resp: 22433

Ion Ratio Lower Upper

43 100

61 33.3 24.8 37.2

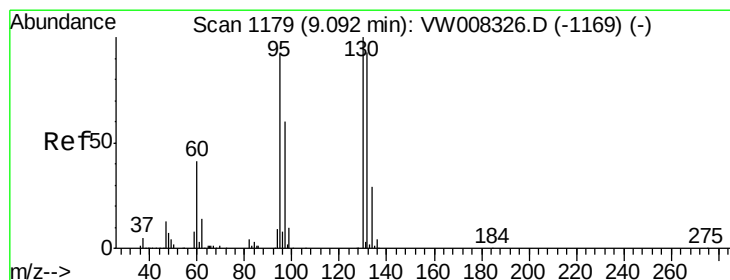
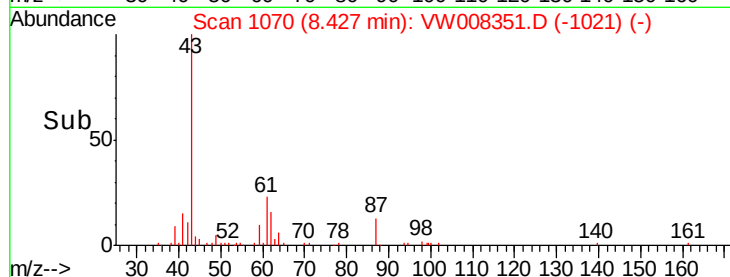
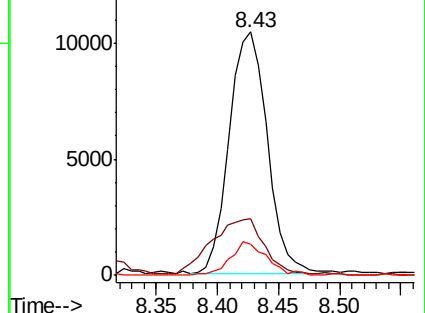
87 13.3 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 18.345 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008351.D

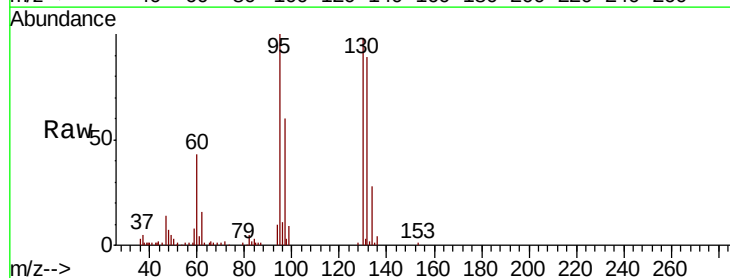
Acq: 18 Jan 2019 13:01

Tgt Ion: 130 Resp: 22361

Ion Ratio Lower Upper

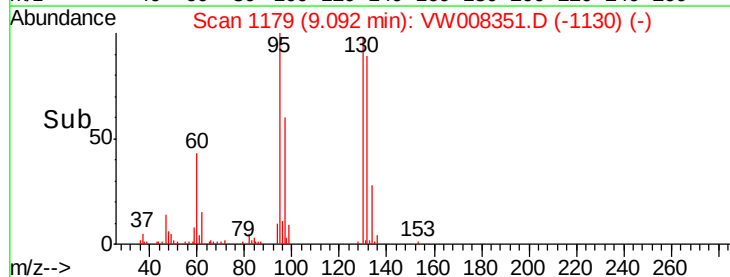
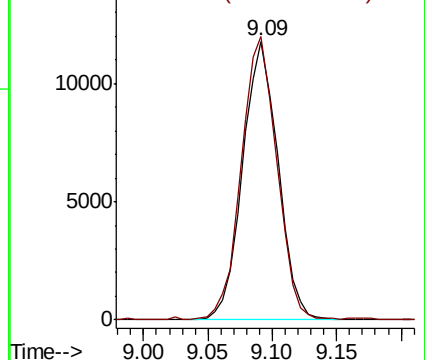
130 100

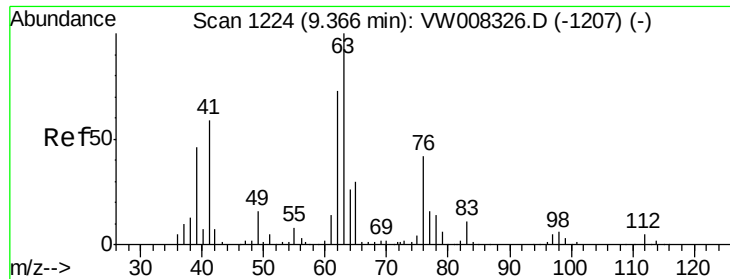
95 101.7 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

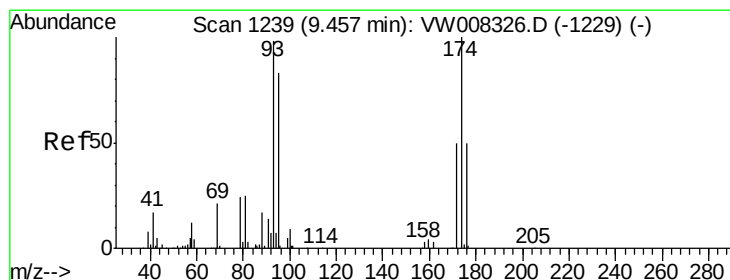
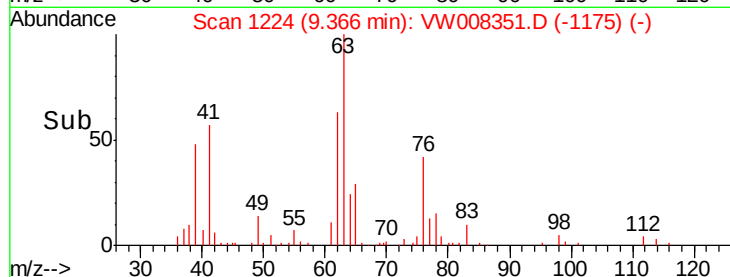
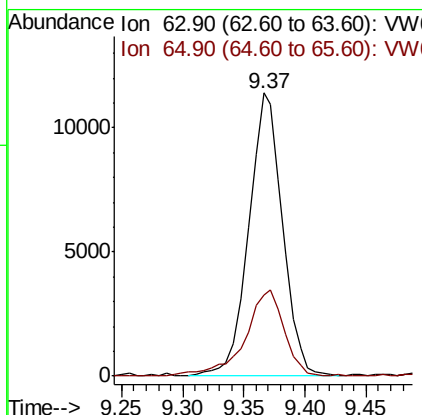
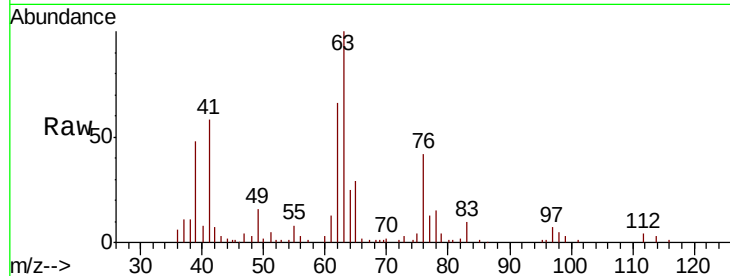




#45
 1,2-Dichloropropane
 Concen: 19.819 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

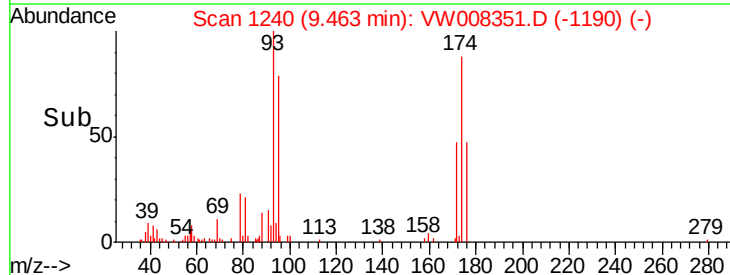
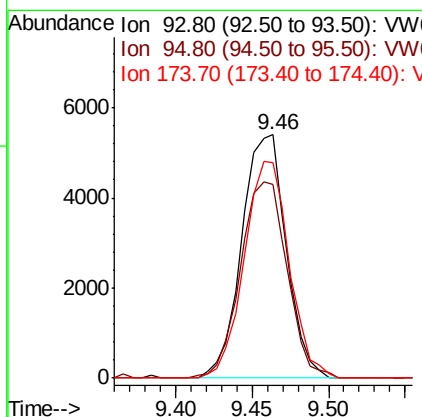
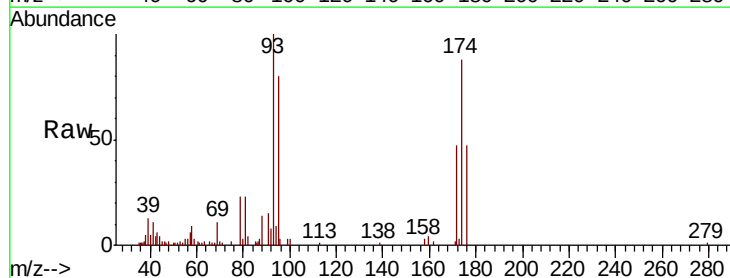
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBSD01

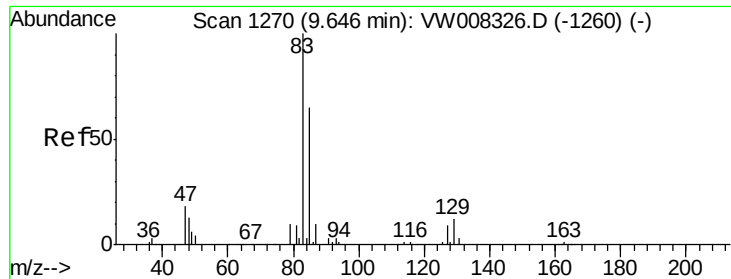
Tgt Ion: 63 Resp: 21903
 Ion Ratio Lower Upper
 63 100
 65 27.8 23.9 35.9



#46
 Dibromomethane
 Concen: 19.009 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 93 Resp: 10949
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.8 101.8
 174 89.7 84.4 126.6





#47

Bromodichloromethane

Concen: 19.582 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBSD01

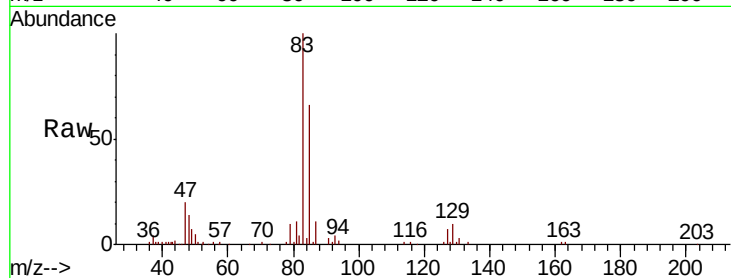
Tgt Ion: 83 Resp: 27821

Ion Ratio Lower Upper

83 100

85 66.5 51.6 77.4

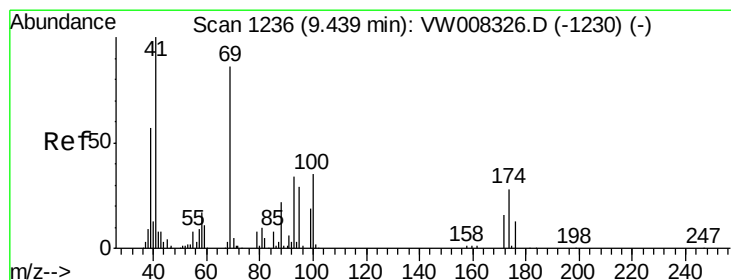
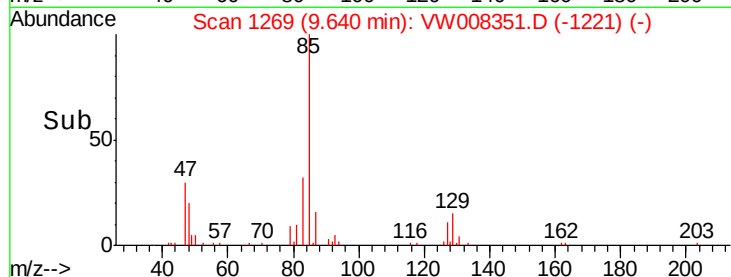
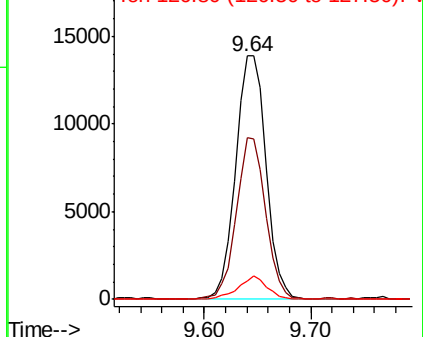
127 7.5 6.8 10.2



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): VW



#48

Methyl methacrylate

Concen: 19.360 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

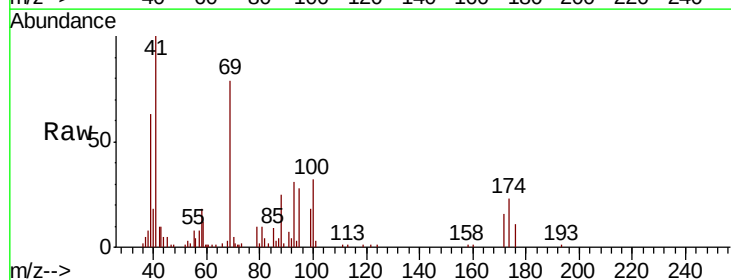
Tgt Ion: 41 Resp: 11150

Ion Ratio Lower Upper

41 100

69 85.5 68.2 102.4

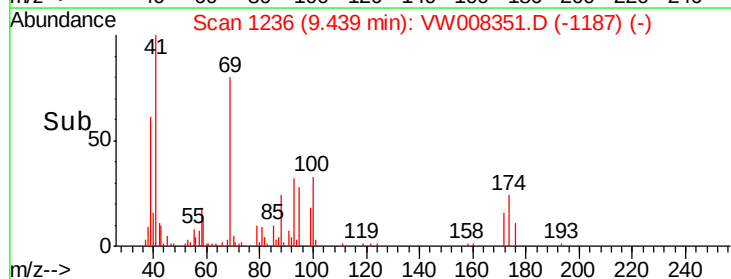
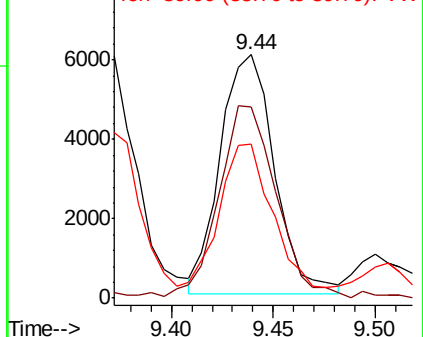
39 56.7 46.0 69.0

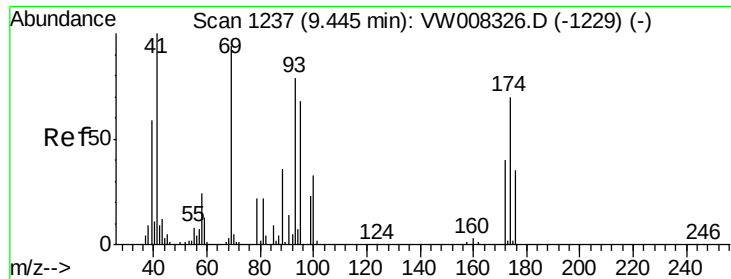


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

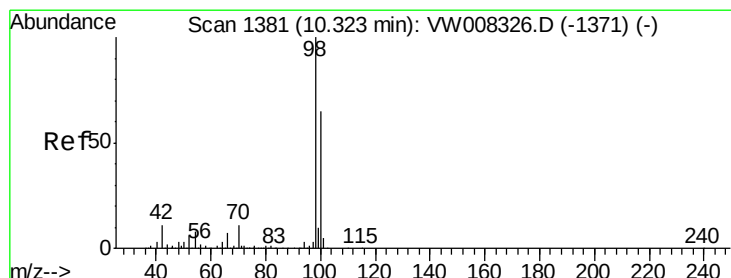
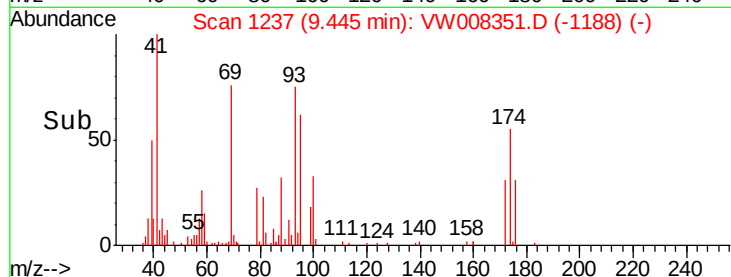
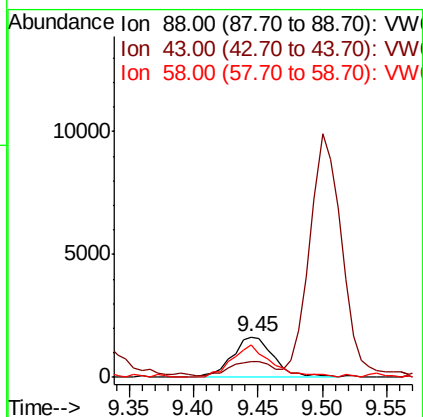
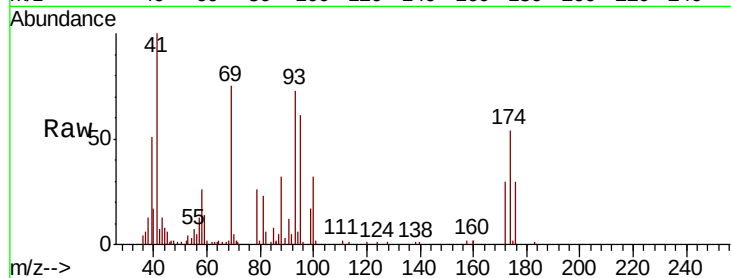




#49
1,4-Dioxane
Concen: 392.896 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

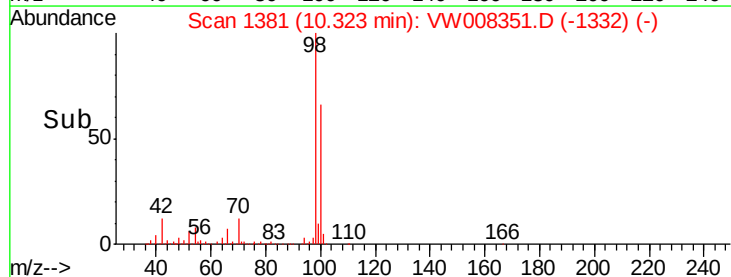
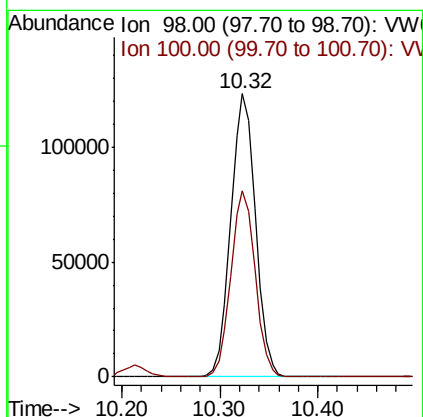
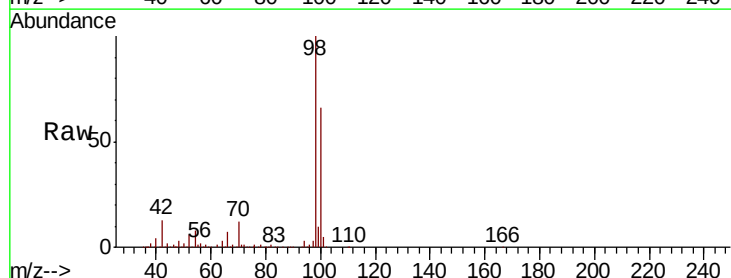
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

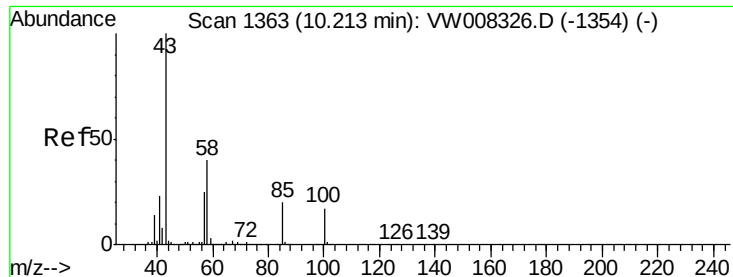
Tgt Ion: 88 Resp: 3643
Ion Ratio Lower Upper
88 100
43 34.4 27.1 40.7
58 77.9 57.9 86.9



#50
Toluene-d8
Concen: 55.193 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 98 Resp: 216069
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

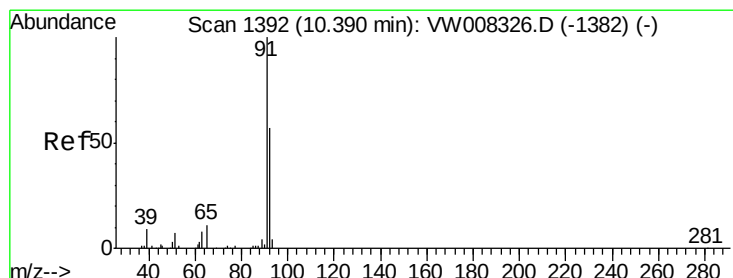
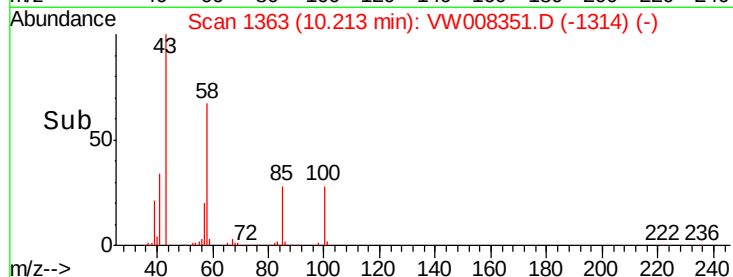
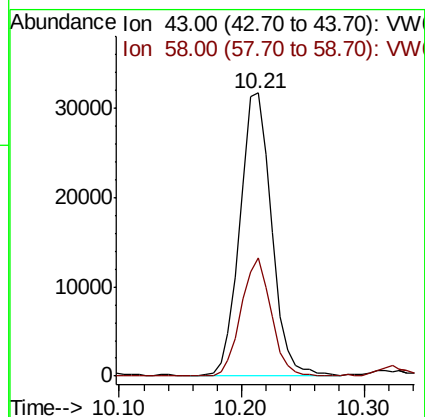
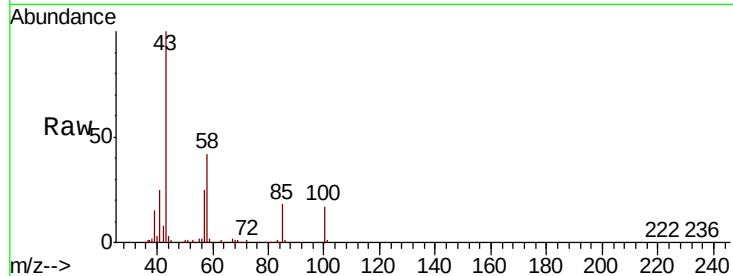




#51
4-Methyl-2-Pentanone
Concen: 91.720 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

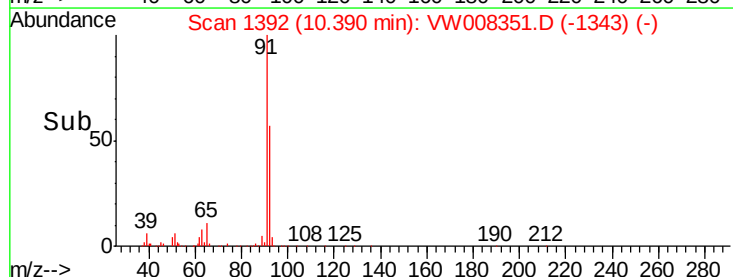
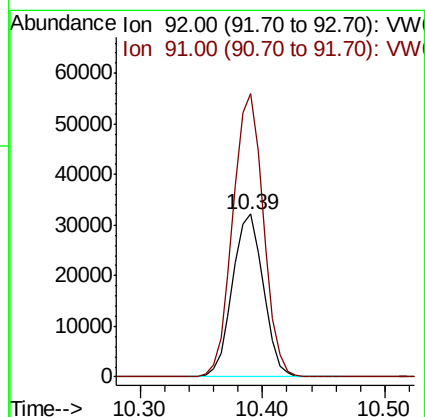
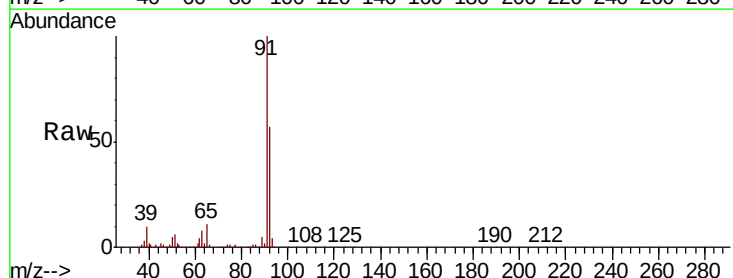
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

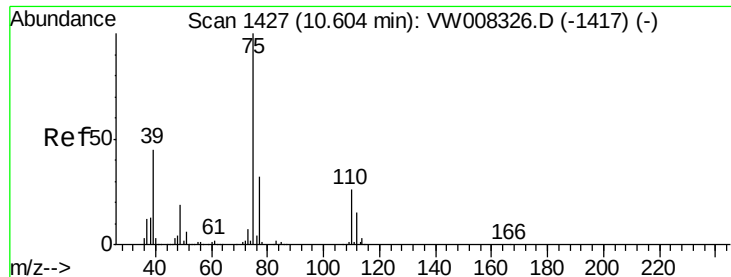
Tgt Ion: 43 Resp: 56819
Ion Ratio Lower Upper
43 100
58 39.8 31.4 47.0



#52
Toluene
Concen: 19.978 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 92 Resp: 56249
Ion Ratio Lower Upper
92 100
91 171.9 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 18.984 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

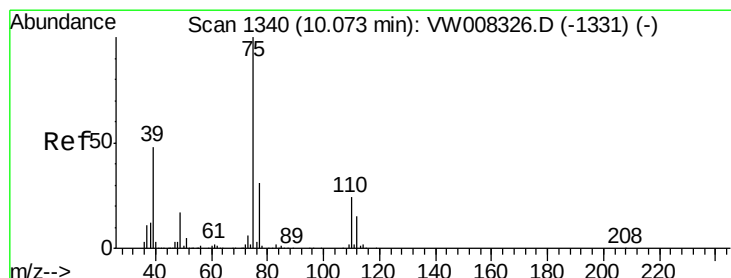
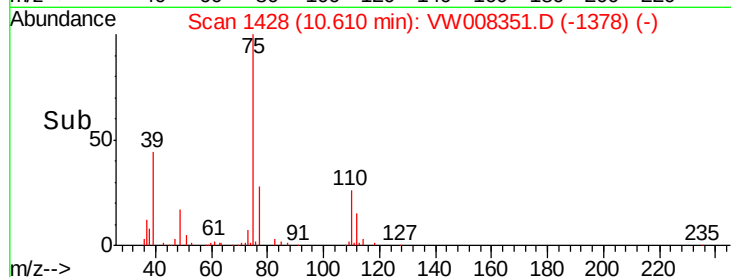
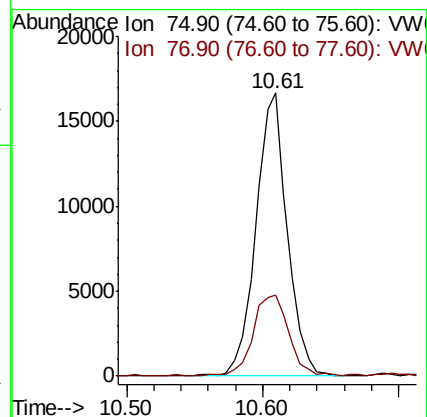
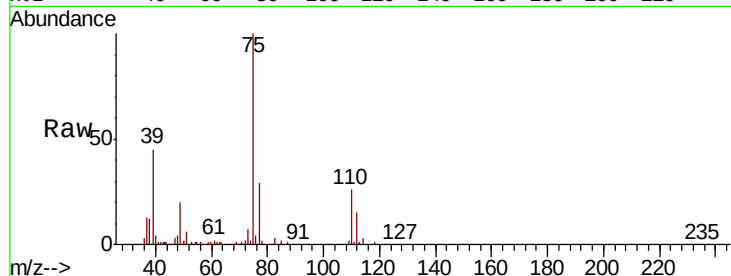
VW0118SBS01

Tgt Ion: 75 Resp: 26919

Ion Ratio Lower Upper

75 100

77 28.2 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 19.505 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

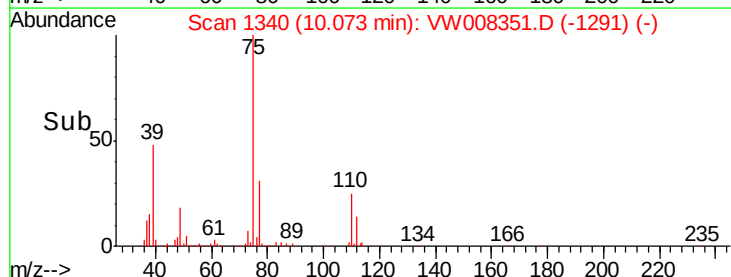
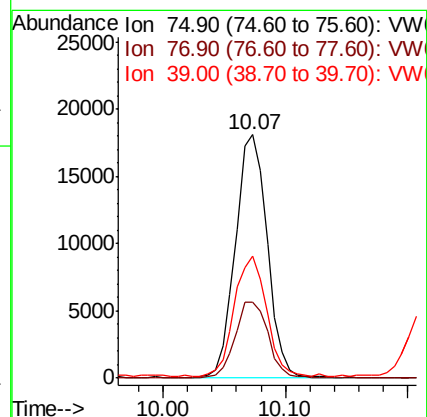
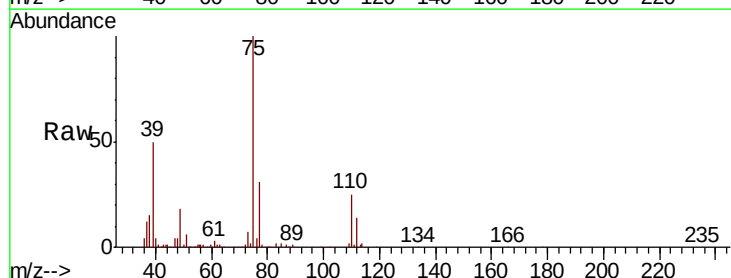
Tgt Ion: 75 Resp: 32604

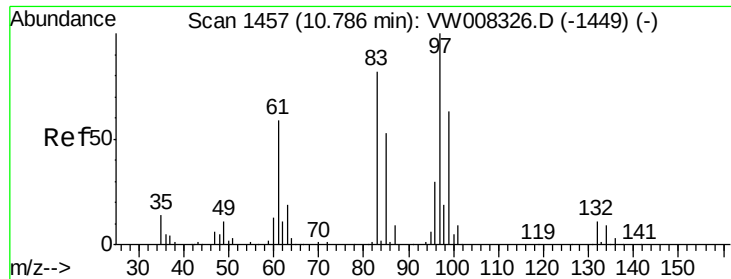
Ion Ratio Lower Upper

75 100

77 31.4 24.4 36.6

39 49.1 38.6 57.8





#55

1,1,2-Trichloroethane

Concen: 19.881 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

Tgt Ion: 97 Resp: 15883

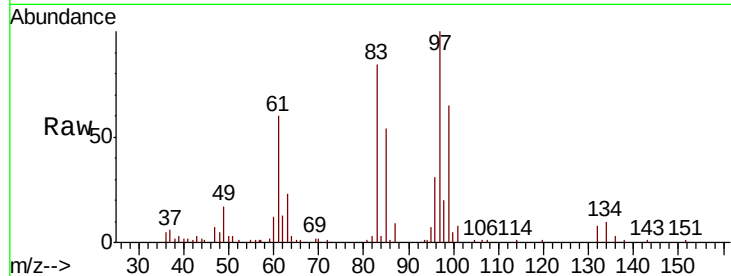
Ion Ratio Lower Upper

97 100

83 84.2 65.3 97.9

85 53.3 42.6 64.0

99 64.7 50.2 75.2

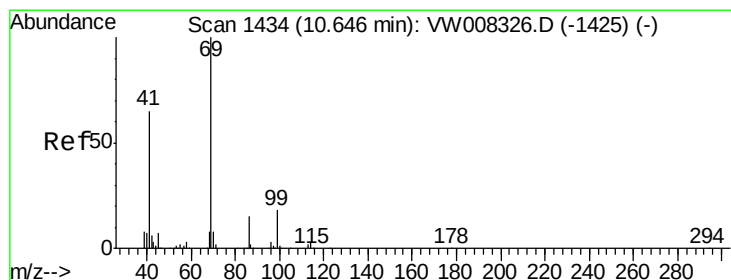
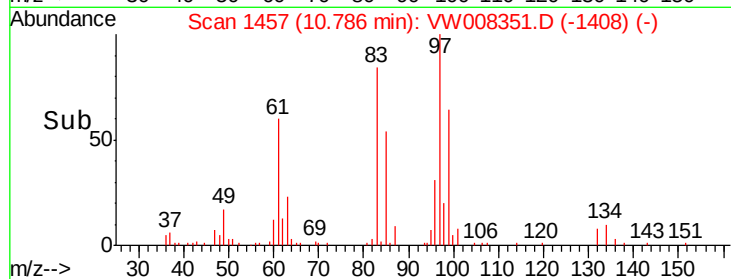
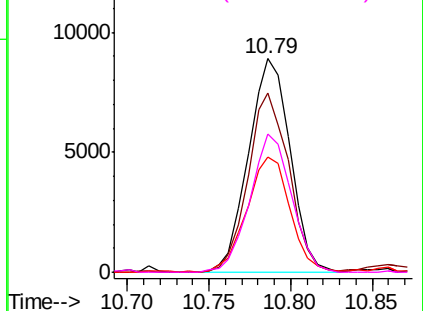


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 18.654 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

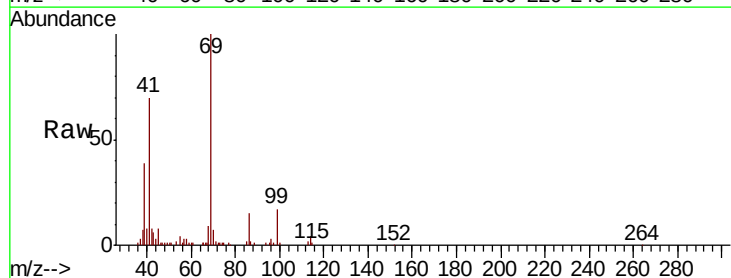
Tgt Ion: 69 Resp: 17502

Ion Ratio Lower Upper

69 100

41 69.4 52.9 79.3

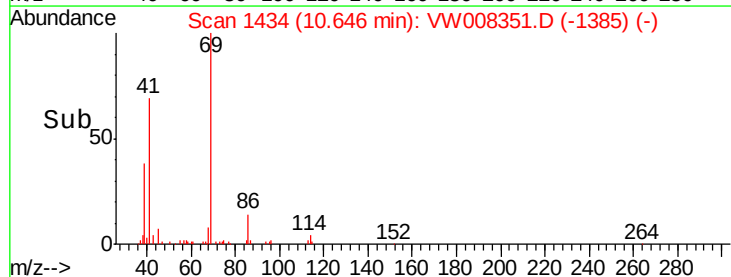
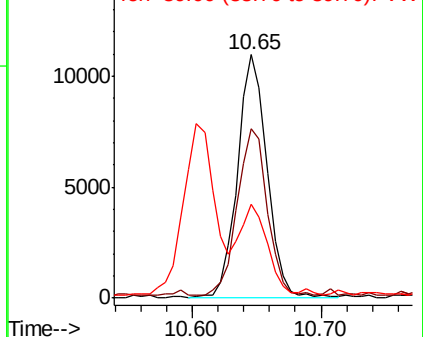
39 34.8 28.4 42.6

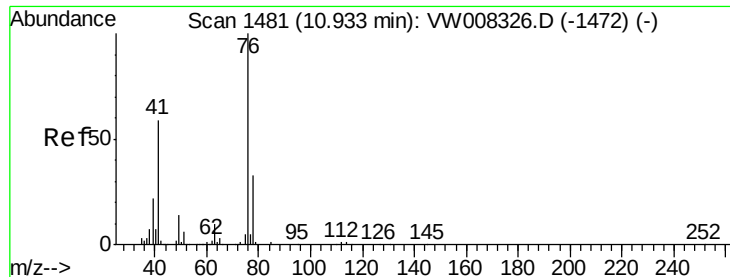


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.819 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

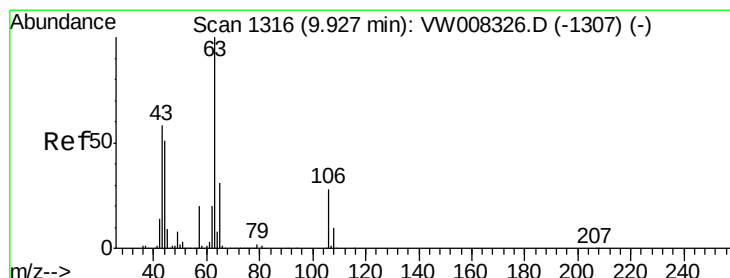
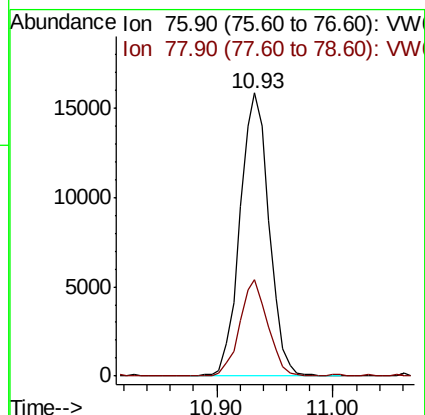
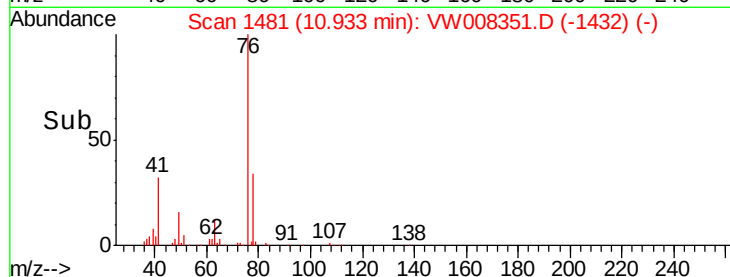
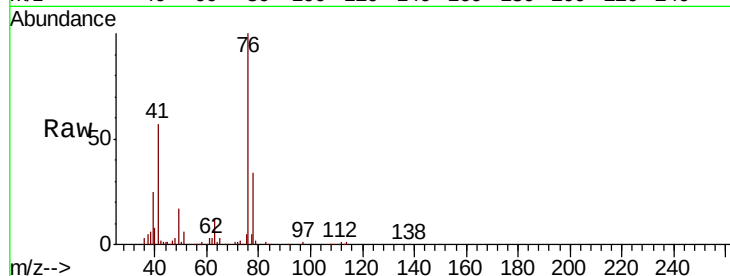
VW0118SBS01

Tgt Ion: 76 Resp: 27491

Ion Ratio Lower Upper

76 100

78 33.1 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 100.299 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008351.D

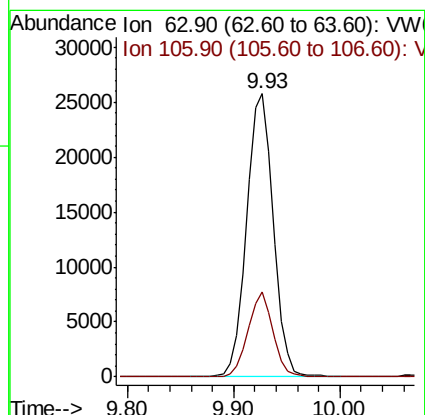
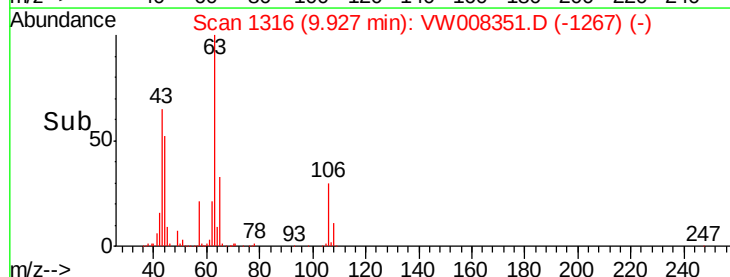
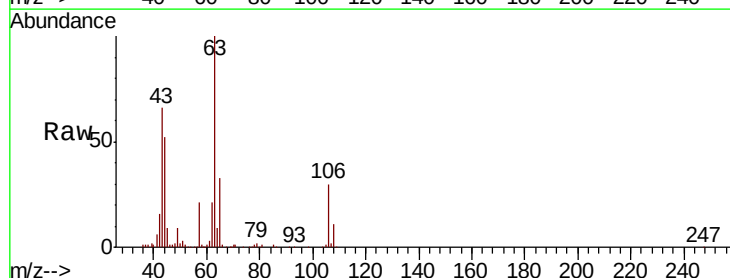
Acq: 18 Jan 2019 13:01

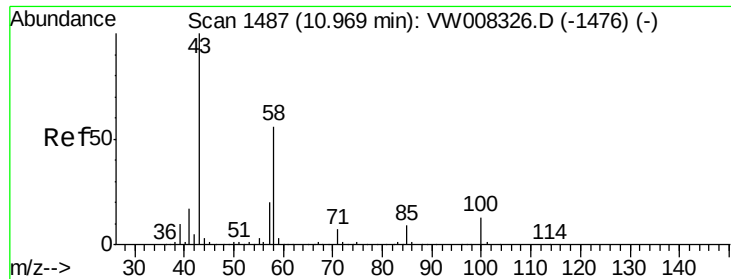
Tgt Ion: 63 Resp: 45391

Ion Ratio Lower Upper

63 100

106 27.9 22.9 34.3





#59

2-Hexanone

Concen: 92.077 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

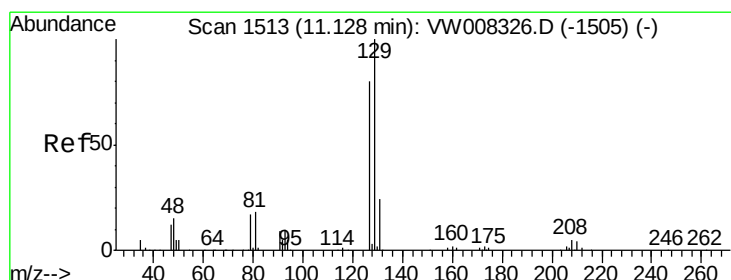
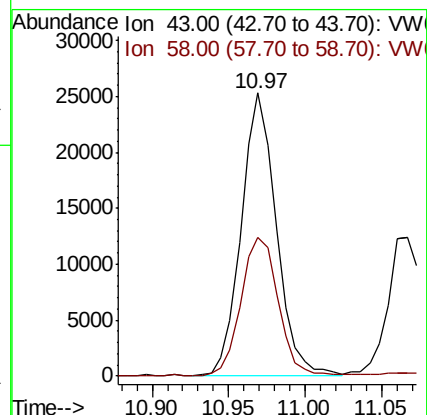
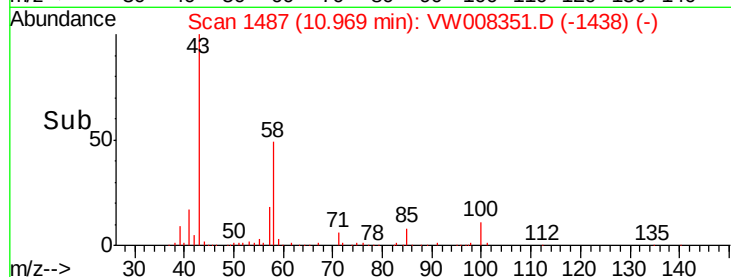
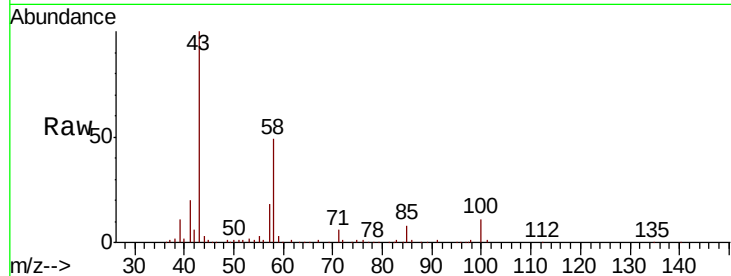
VW0118SBSD01

Tgt Ion: 43 Resp: 39966

Ion Ratio Lower Upper

43 100

58 53.4 27.5 82.5



#60

Dibromochloromethane

Concen: 19.174 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008351.D

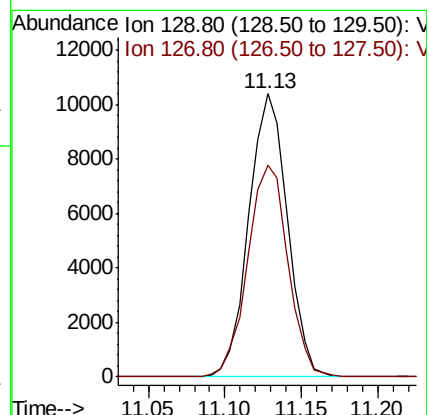
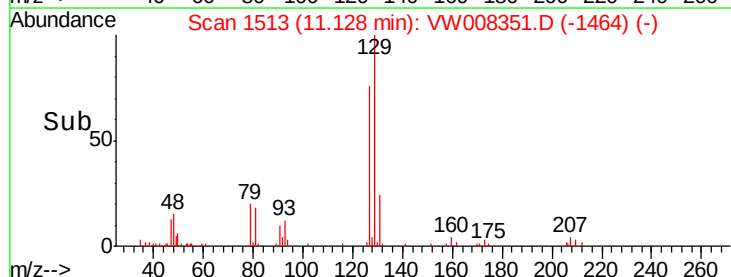
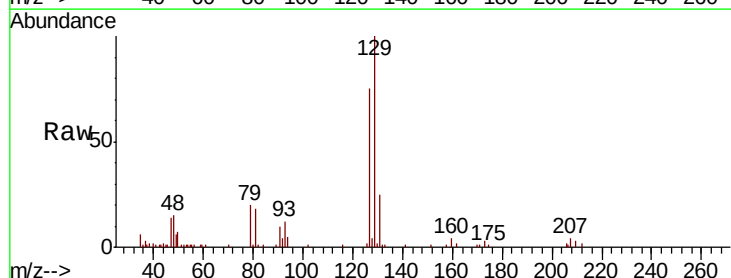
Acq: 18 Jan 2019 13:01

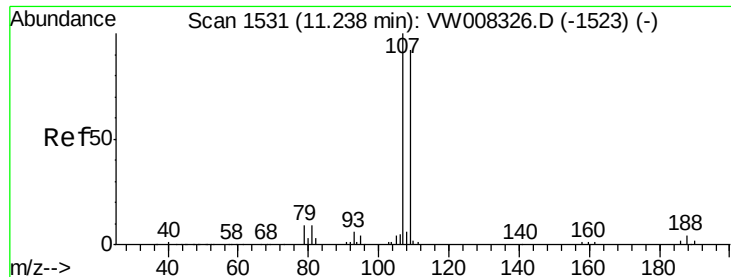
Tgt Ion: 129 Resp: 18281

Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.773 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

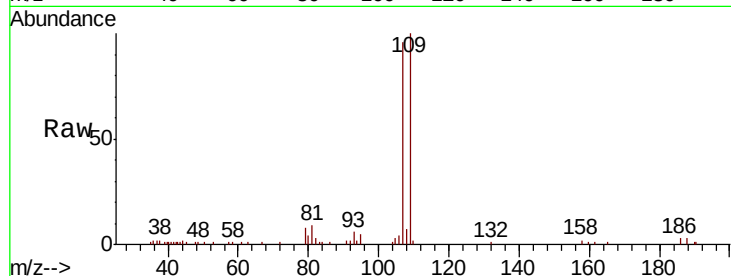
VW0118SBSD01

Tgt Ion: 107 Resp: 14523

Ion Ratio Lower Upper

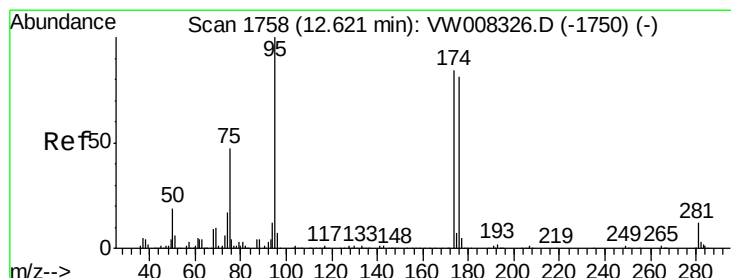
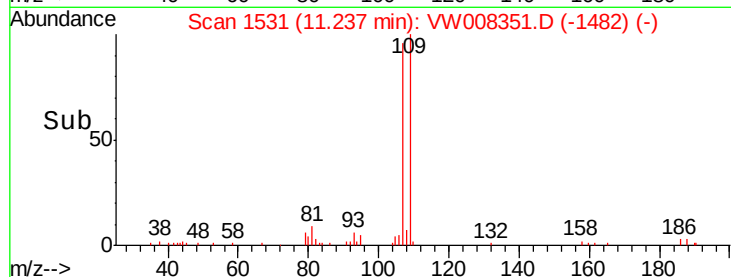
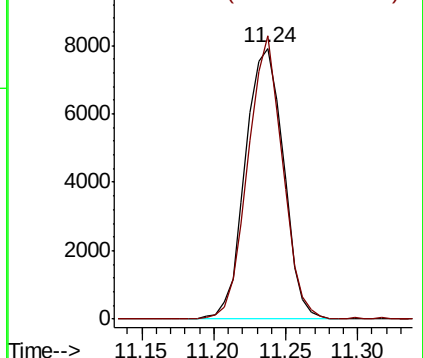
107 100

109 94.9 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: 53.481 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

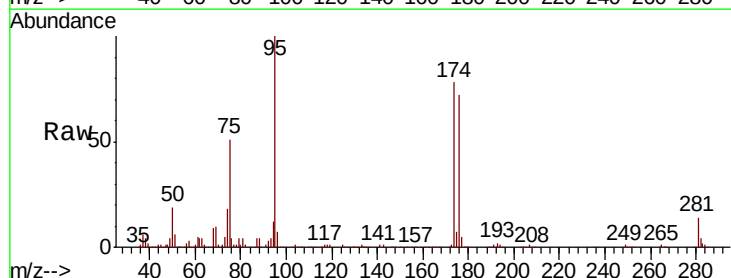
Tgt Ion: 95 Resp: 75090

Ion Ratio Lower Upper

95 100

174 76.5 0.0 166.0

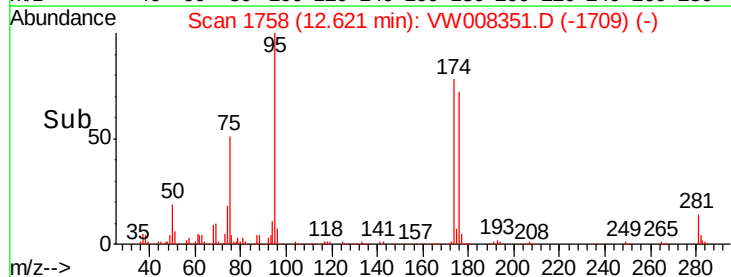
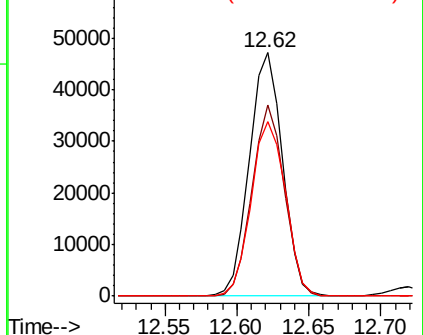
176 74.2 0.0 160.0

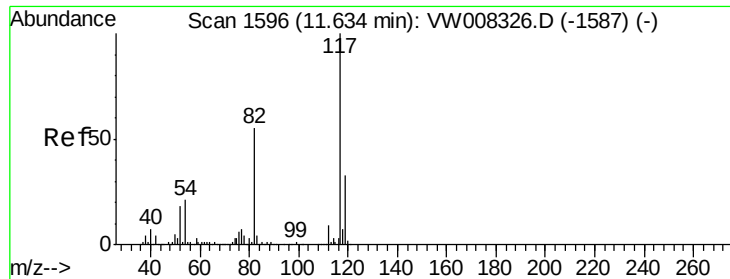


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

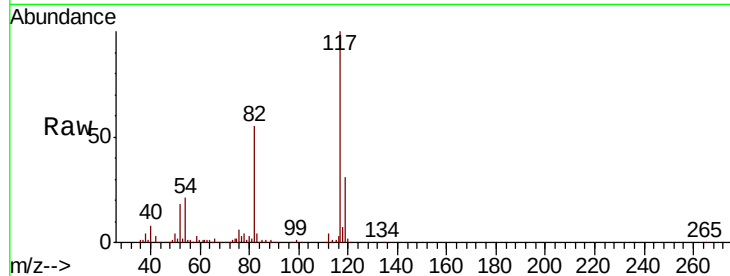




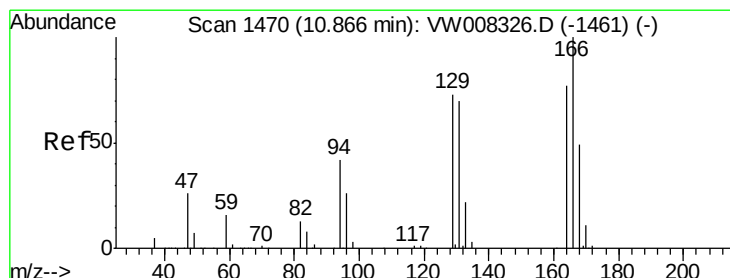
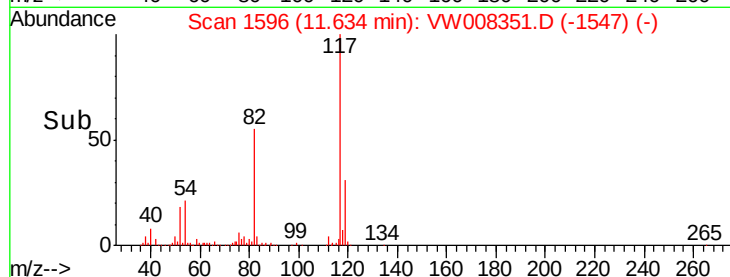
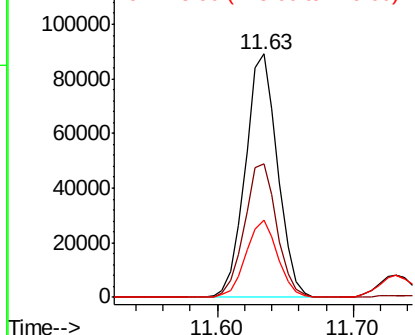
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tgt Ion:117 Resp: 147846
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 31.5 26.3 39.5



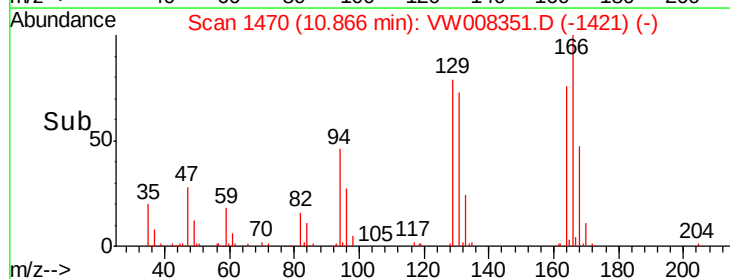
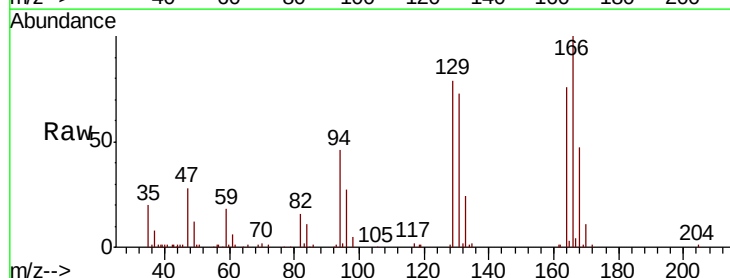
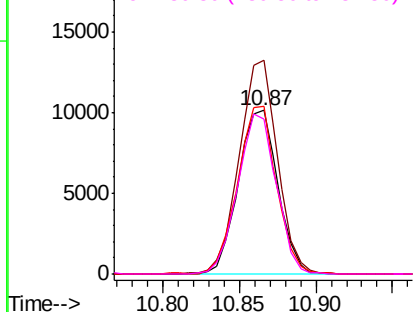
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

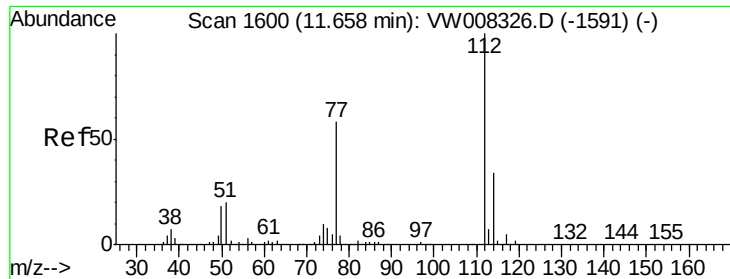


#64
Tetrachloroethene
Concen: 17.552 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:164 Resp: 18196
Ion Ratio Lower Upper
164 100
166 130.8 103.4 155.2
129 102.8 75.0 112.6
131 94.9 72.9 109.3

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

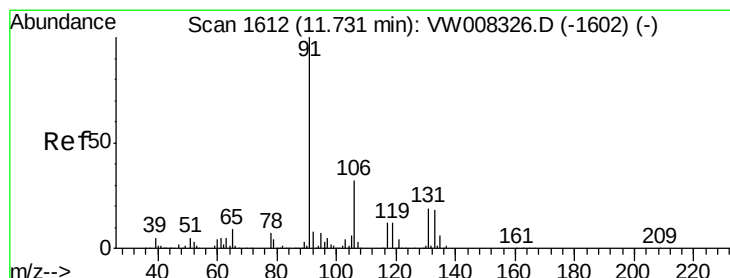
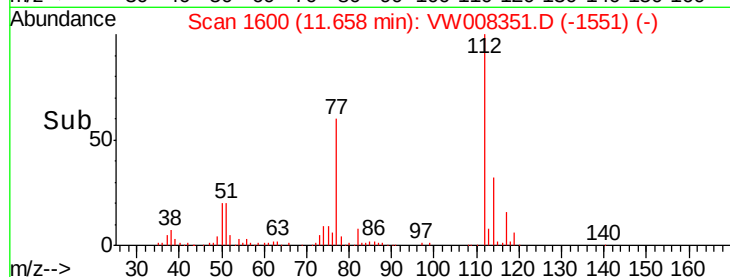
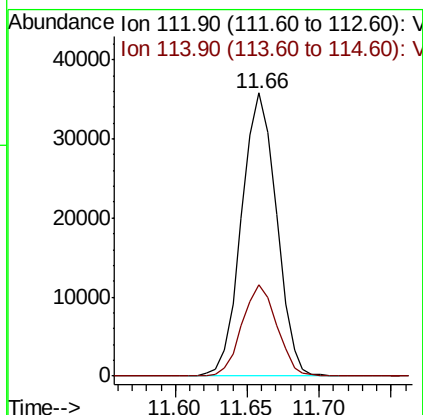
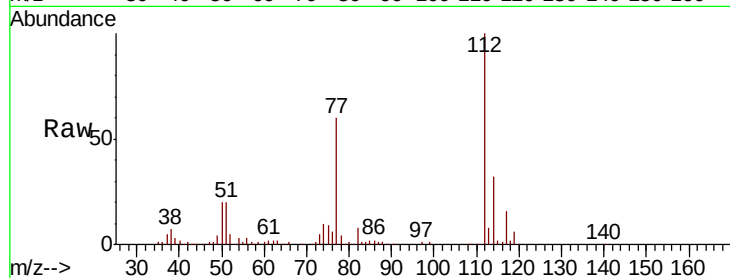




#65
Chlorobenzene
Concen: 18.713 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

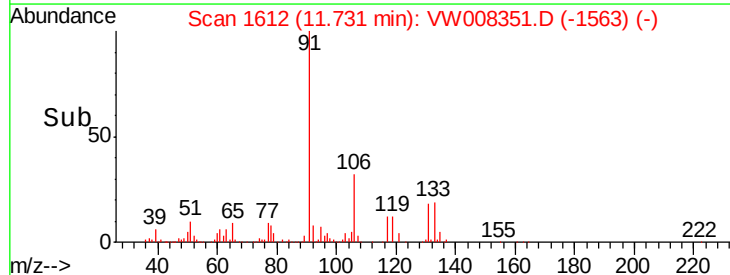
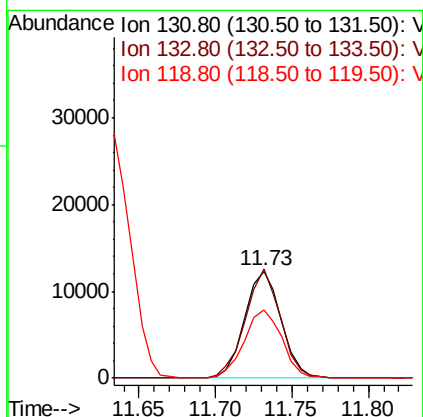
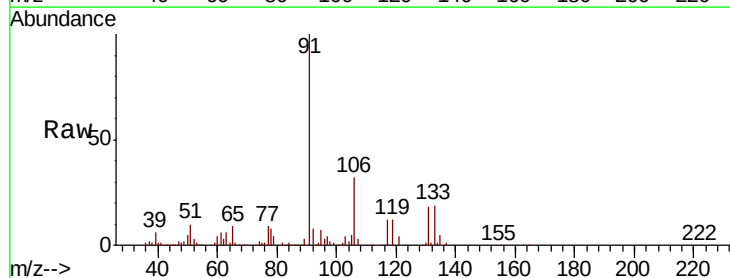
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

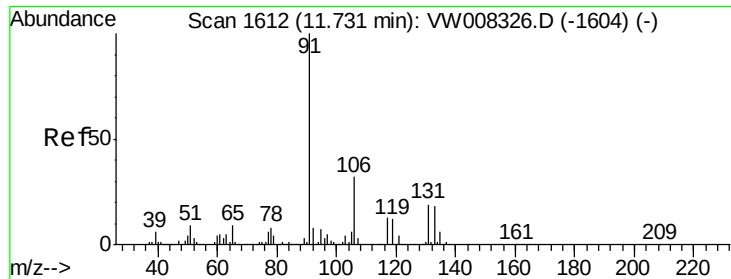
Tgt Ion:112 Resp: 60347
Ion Ratio Lower Upper
112 100
114 32.5 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.327 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:131 Resp: 20341
Ion Ratio Lower Upper
131 100
133 98.6 48.2 144.6
119 66.6 31.6 94.7

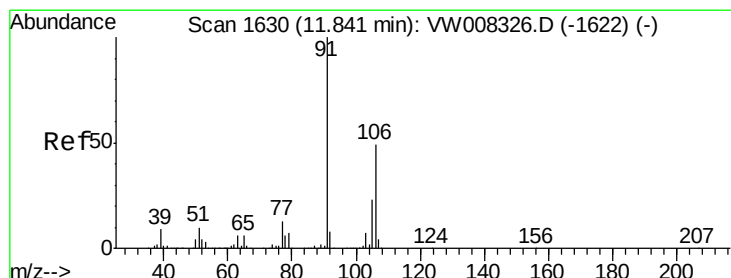
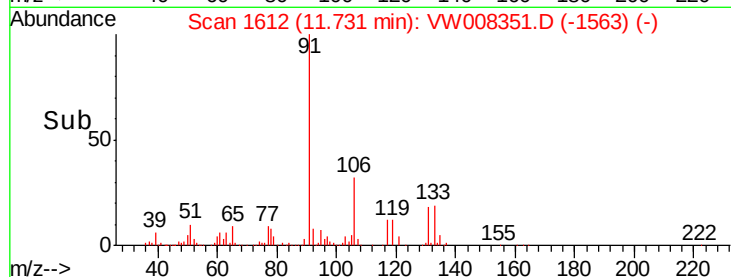
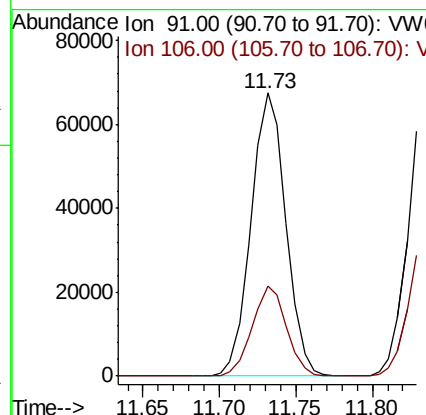
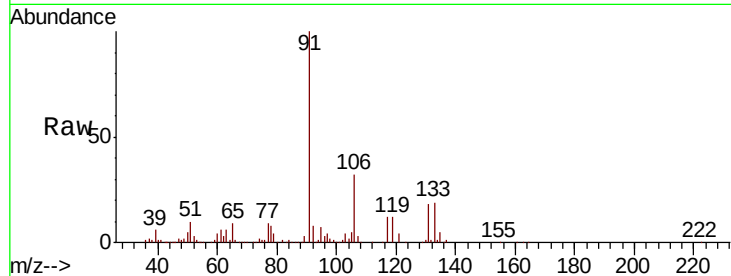




#67
Ethyl Benzene
Concen: 19.074 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

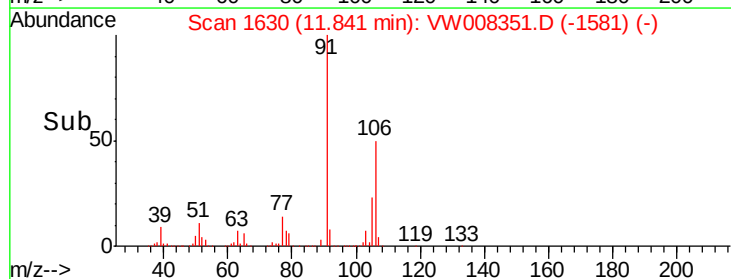
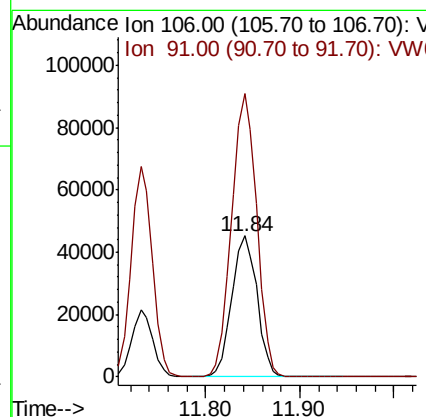
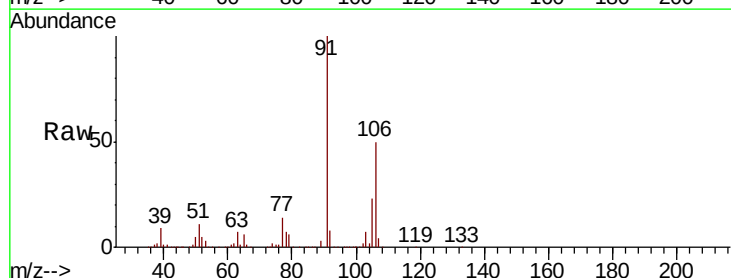
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

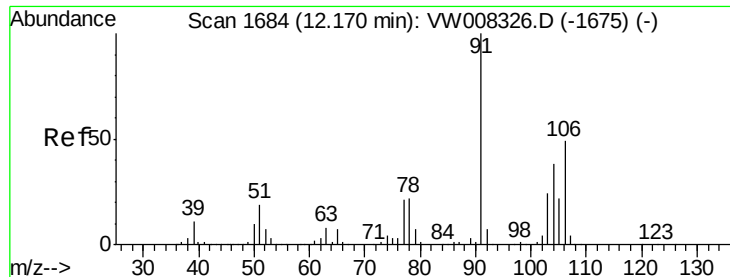
Tgt Ion: 91 Resp: 106802
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.2



#68
m/p-Xylenes
Concen: 38.798 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion: 106 Resp: 84323
Ion Ratio Lower Upper
106 100
91 199.8 158.4 237.6

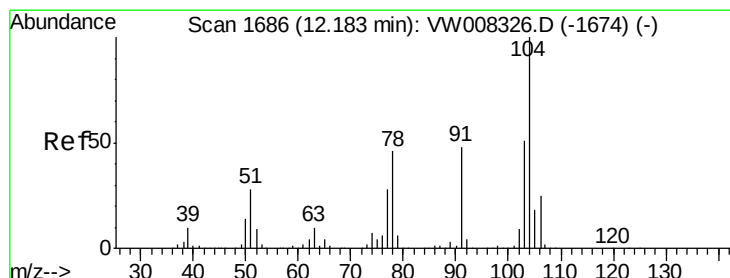
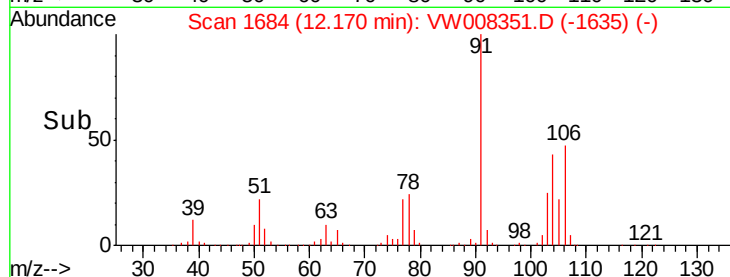
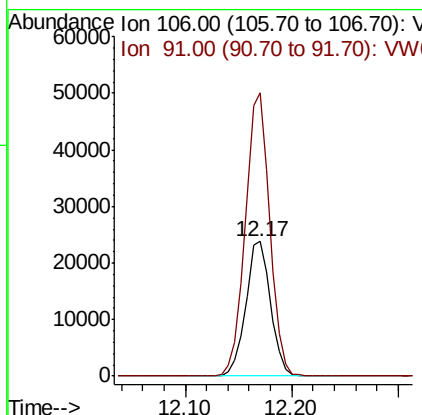
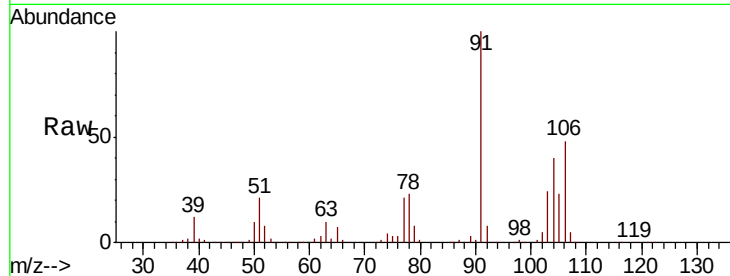




#69
o-Xylene
Concen: 19.084 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

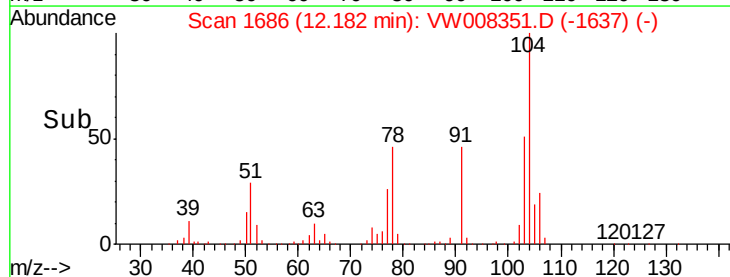
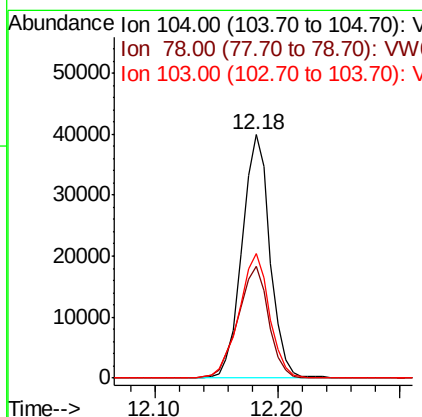
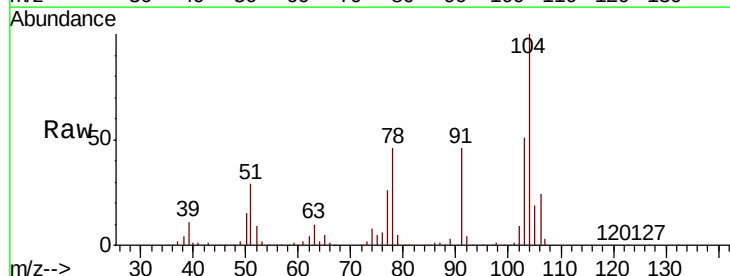
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBSD01

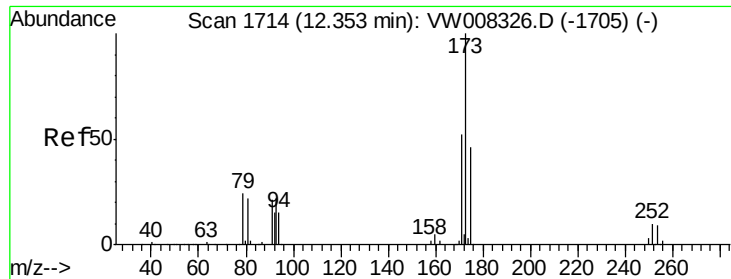
Tgt Ion:106 Resp: 38750
Ion Ratio Lower Upper
106 100
91 207.8 104.1 312.3



#70
Styrene
Concen: 19.341 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:104 Resp: 63080
Ion Ratio Lower Upper
104 100
78 50.2 39.8 59.6
103 55.7 44.0 66.0

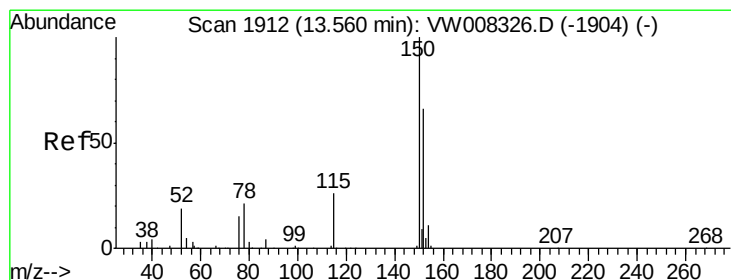
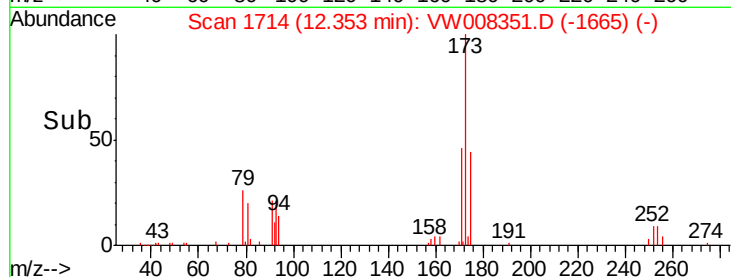
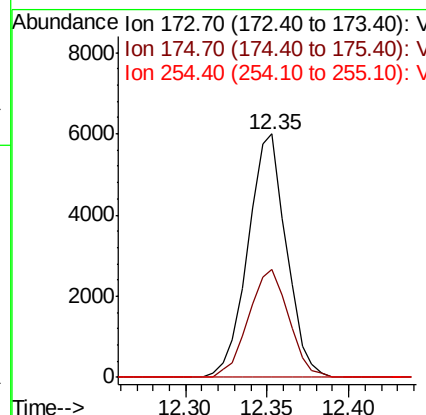
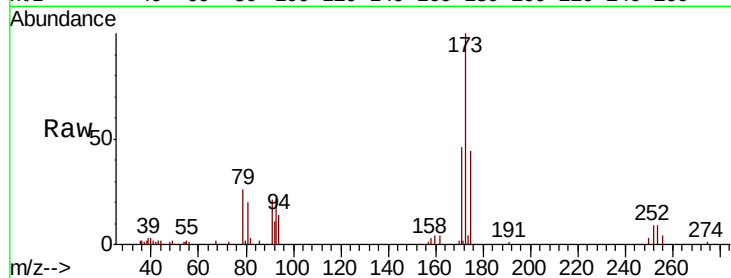




#71
Bromoform
Concen: 17.791 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

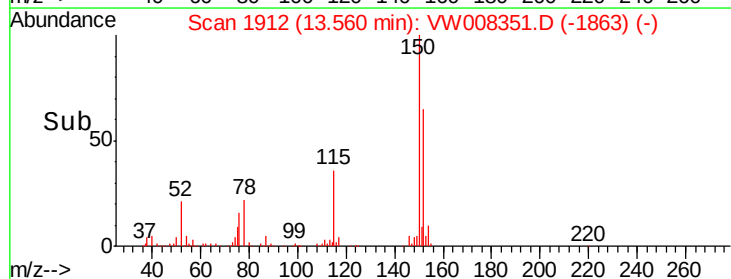
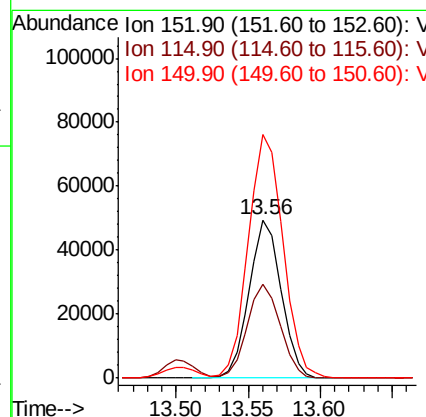
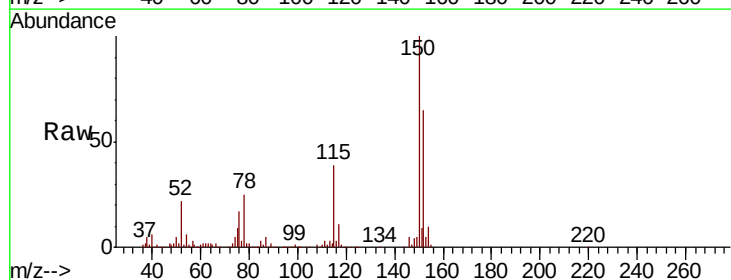
Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

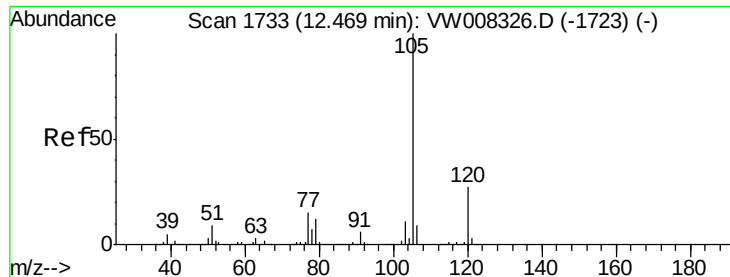
Tgt Ion:173 Resp: 9837
Ion Ratio Lower Upper
173 100
175 46.5 23.6 70.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:152 Resp: 76201
Ion Ratio Lower Upper
152 100
115 61.0 28.8 86.4
150 166.4 0.0 351.4





#73

Isopropylbenzene

Concen: 19.426 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

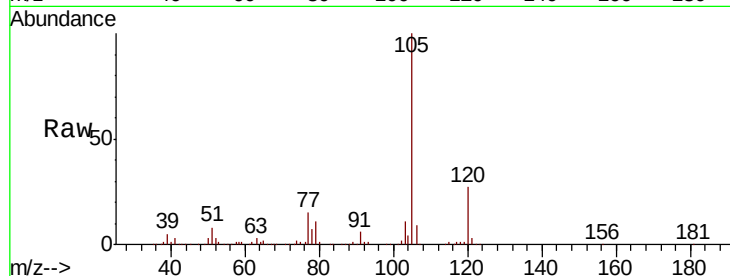
VW0118SBS01

Tgt Ion: 105 Resp: 107856

Ion Ratio Lower Upper

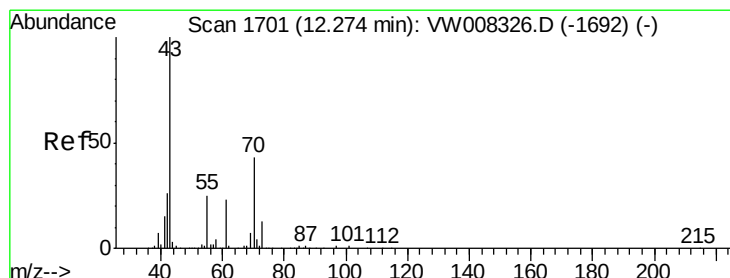
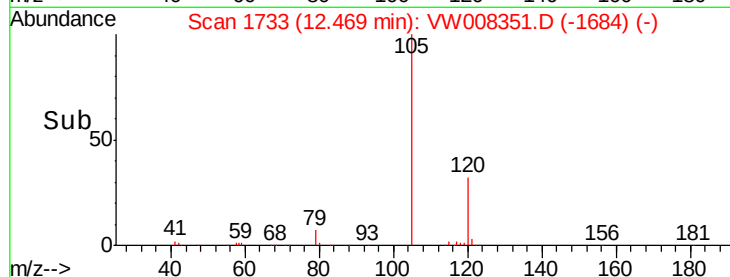
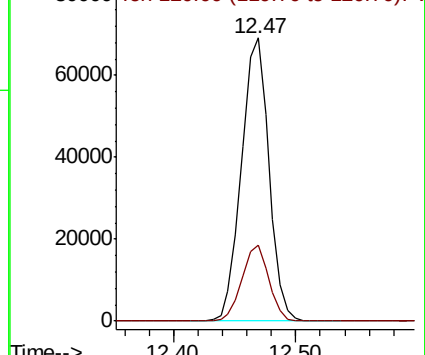
105 100

120 26.3 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: 18.309 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Tgt Ion: 43 Resp: 21785

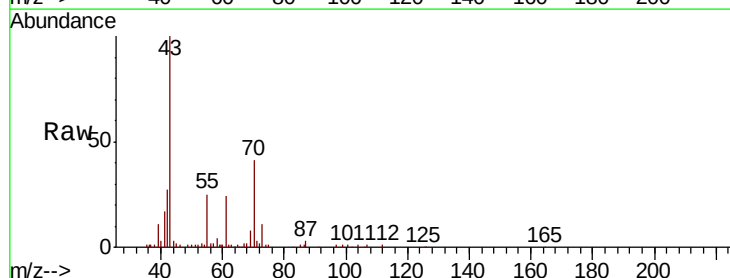
Ion Ratio Lower Upper

43 100

70 41.5 34.6 52.0

55 25.5 20.0 30.0

61 23.6 19.6 29.4

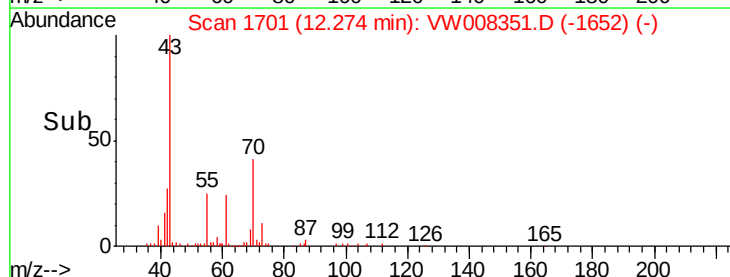
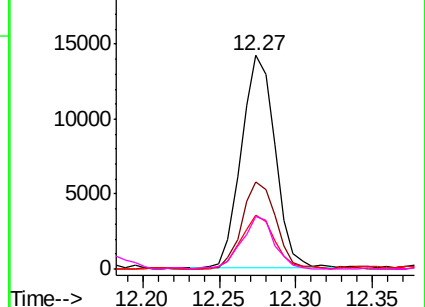


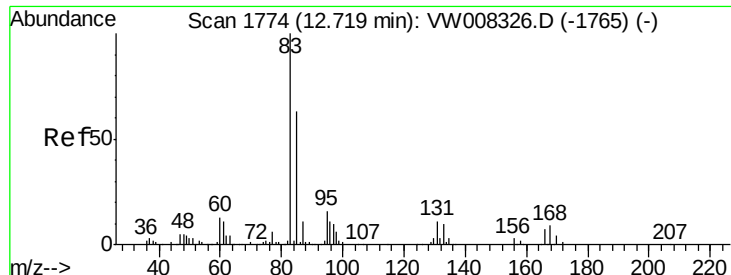
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 19.320 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBSD01

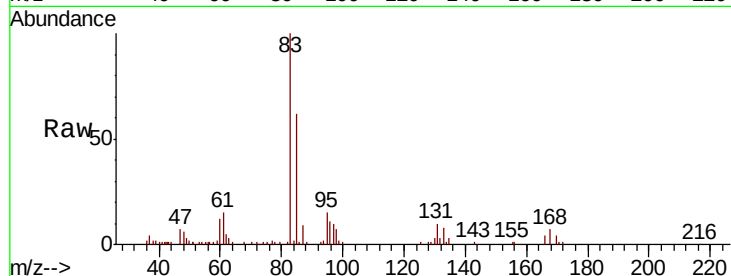
Tgt Ion: 83 Resp: 18246

Ion Ratio Lower Upper

83 100

131 11.7 5.5 16.5

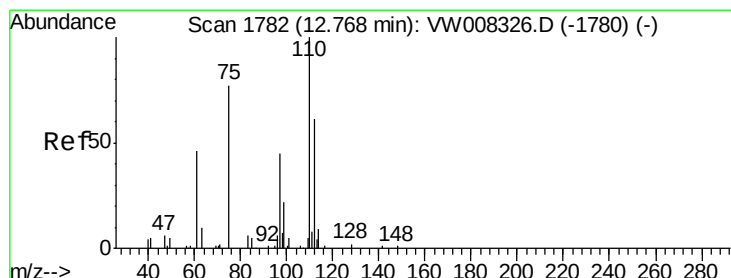
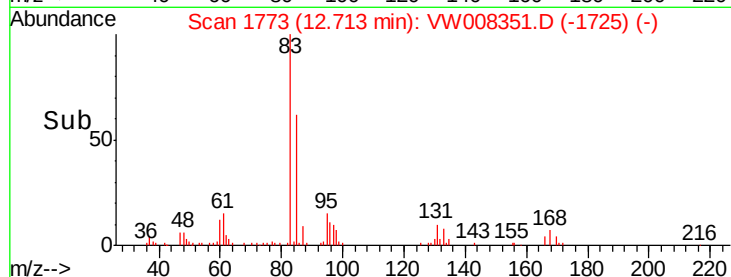
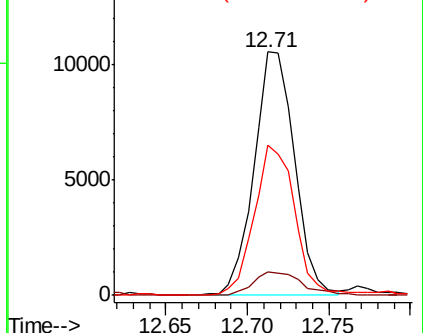
85 61.9 31.6 94.7



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: 33.145 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008351.D

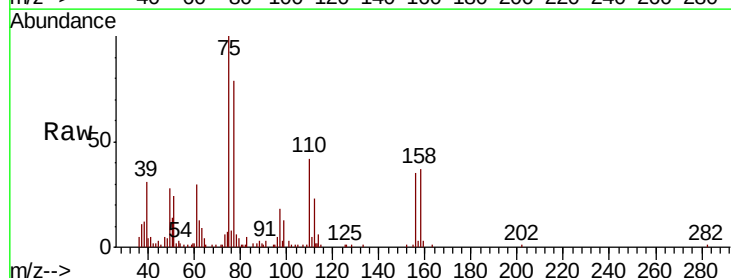
Acq: 18 Jan 2019 13:01

Tgt Ion: 75 Resp: 23000

Ion Ratio Lower Upper

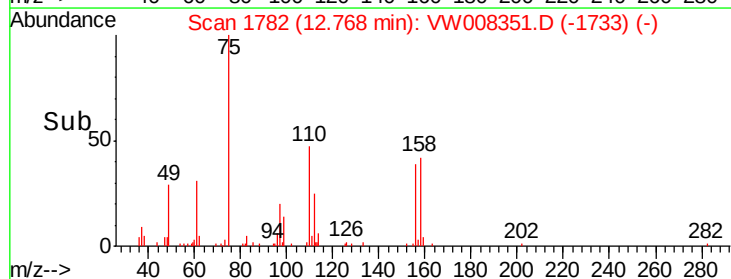
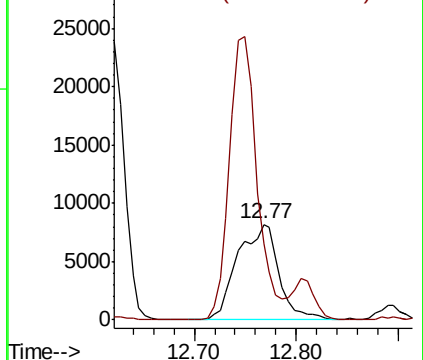
75 100

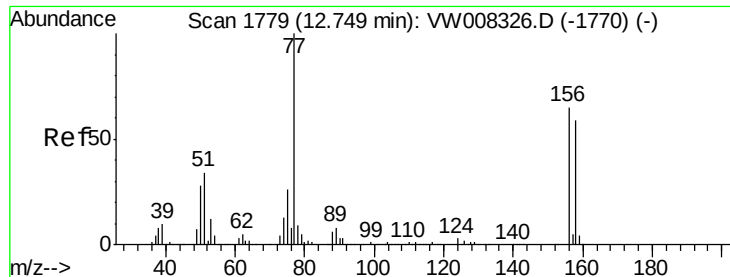
77 199.0 175.3 526.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 17.976 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBSD01

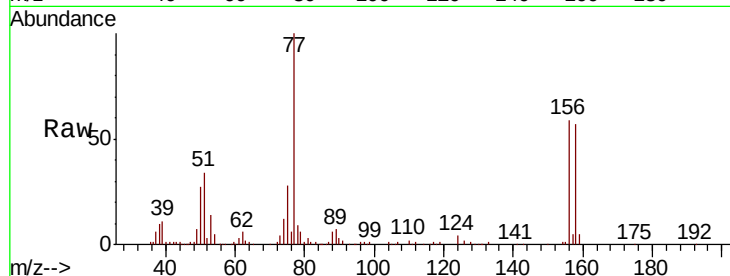
Tgt Ion:156 Resp: 23974

Ion Ratio Lower Upper

156 100

77 191.0 88.3 264.9

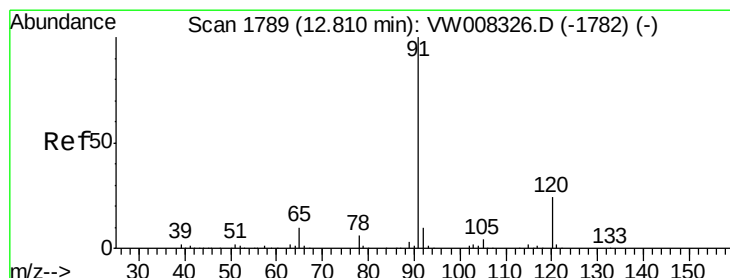
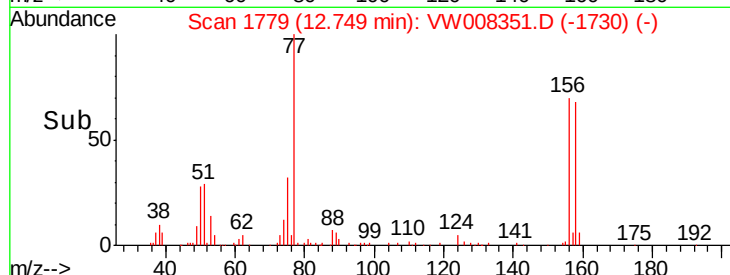
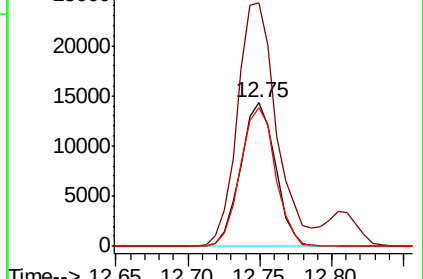
158 97.0 47.6 142.8



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: 19.909 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008351.D

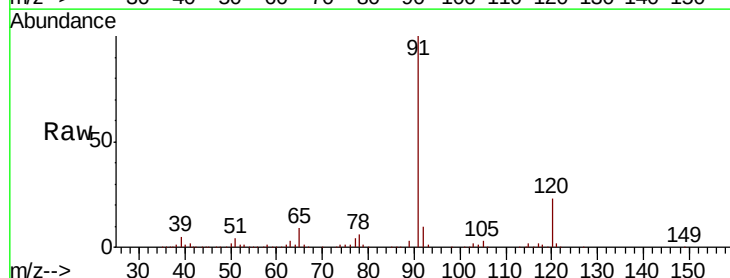
Acq: 18 Jan 2019 13:01

Tgt Ion: 91 Resp: 133796

Ion Ratio Lower Upper

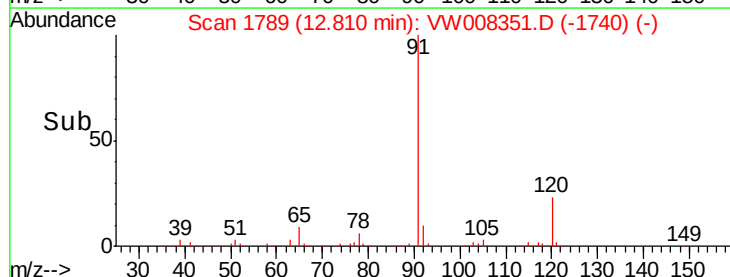
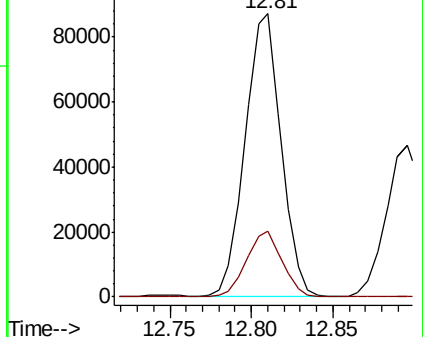
91 100

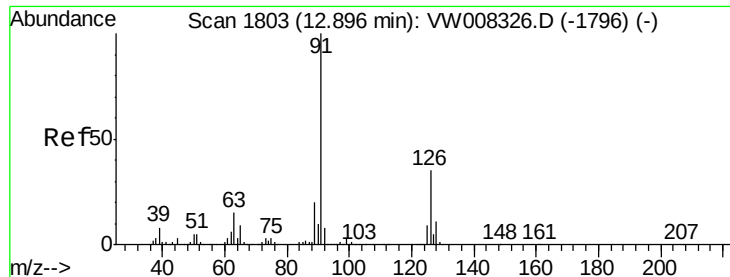
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

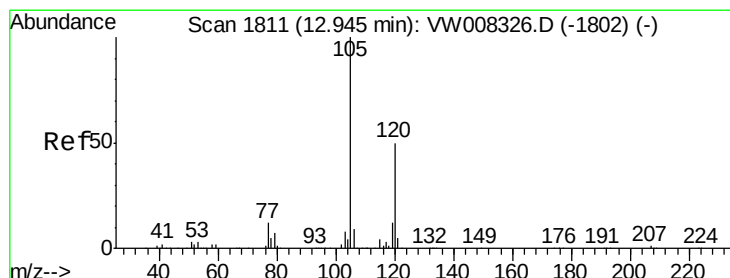
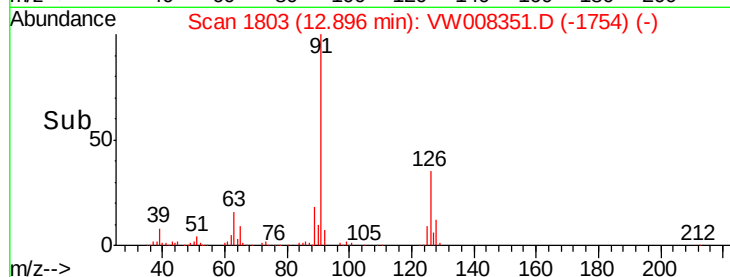
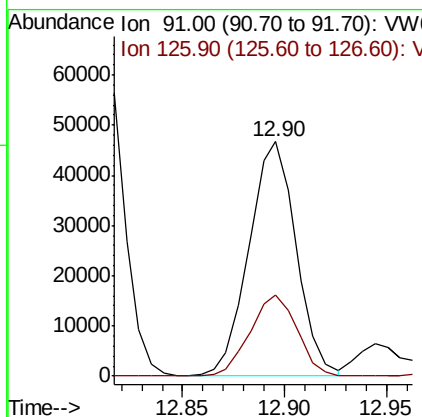
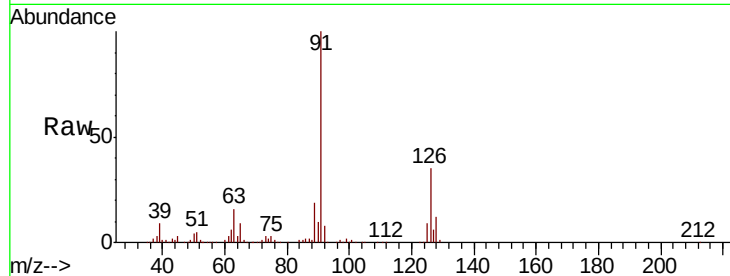




#79
 2-Chlorotoluene
 Concen: 19.529 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

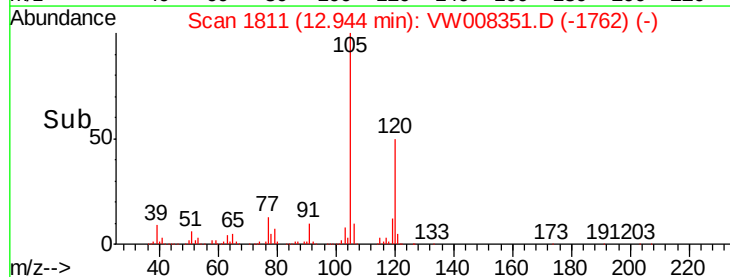
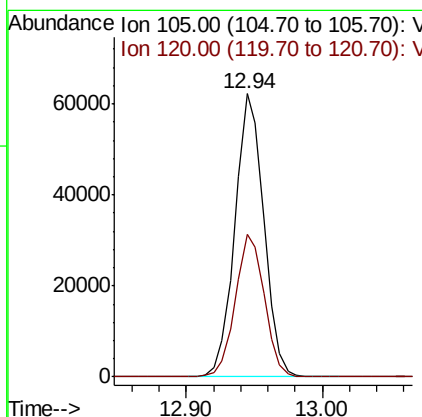
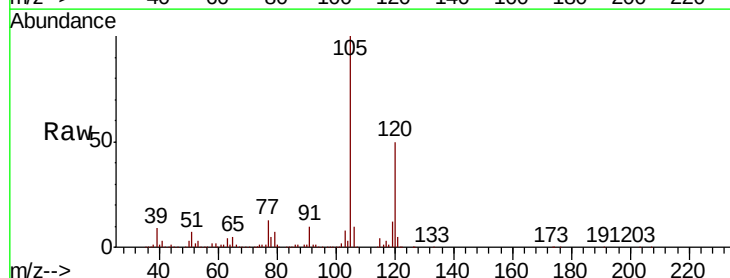
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBSD01

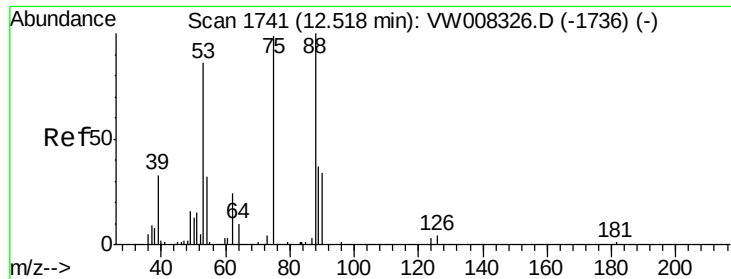
Tgt Ion: 91 Resp: 74986
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 19.865 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 105 Resp: 92036
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.399 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

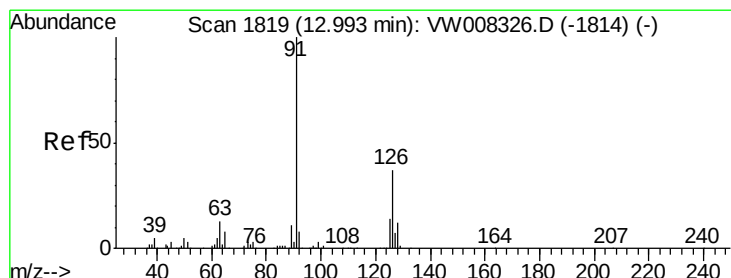
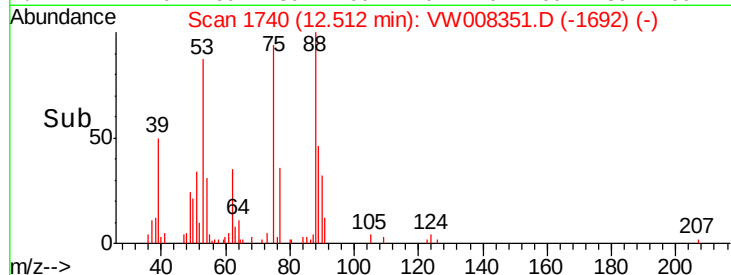
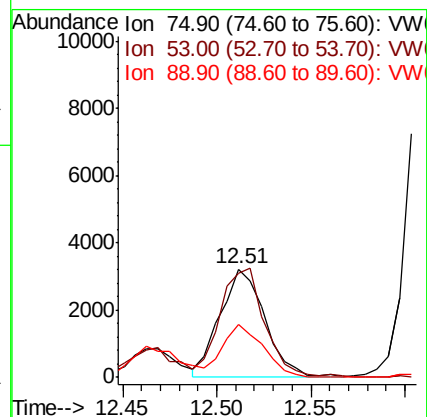
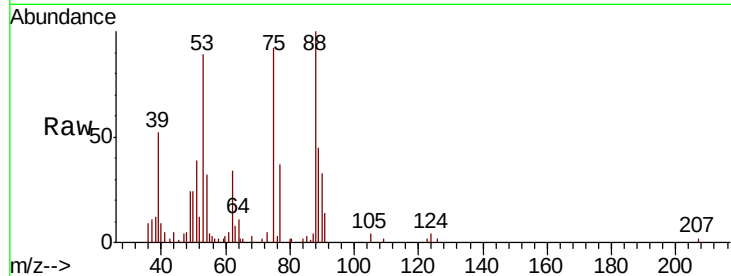
Tgt Ion: 75 Resp: 5350

Ion Ratio Lower Upper

75 100

53 100.7 76.2 114.4

89 43.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 19.883 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008351.D

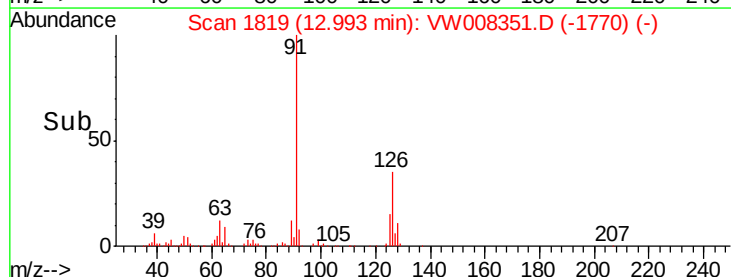
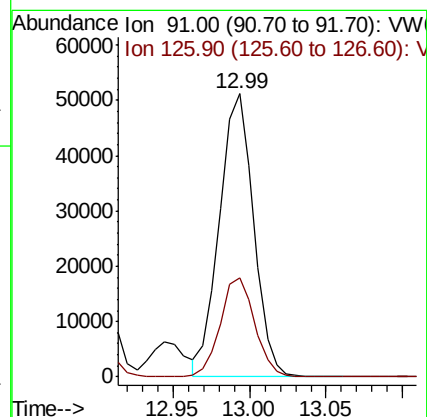
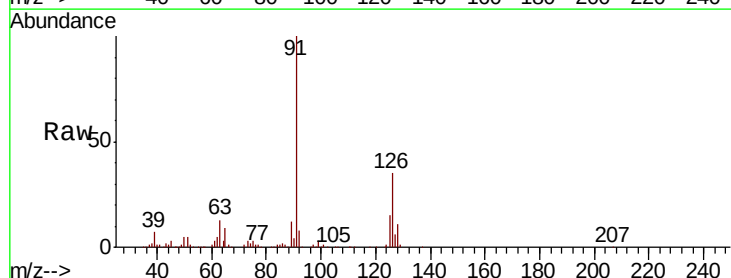
Acq: 18 Jan 2019 13:01

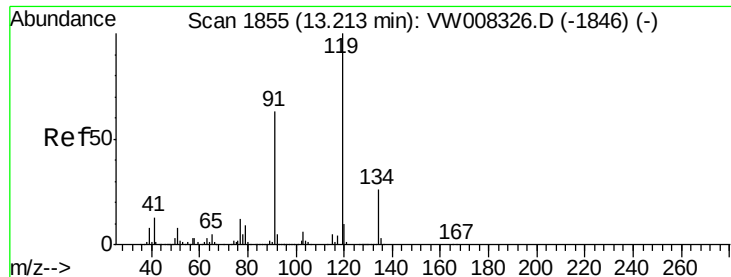
Tgt Ion: 91 Resp: 79778

Ion Ratio Lower Upper

91 100

126 35.2 17.8 53.3

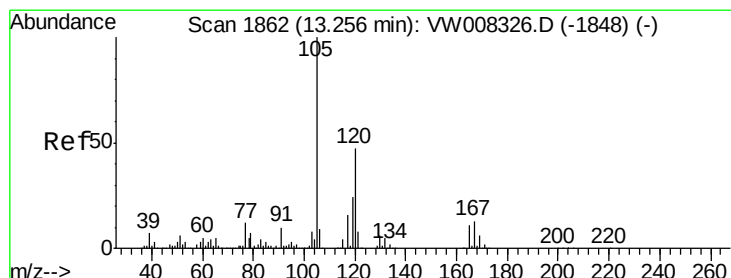
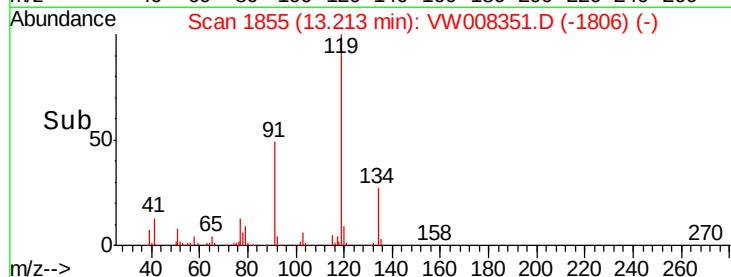
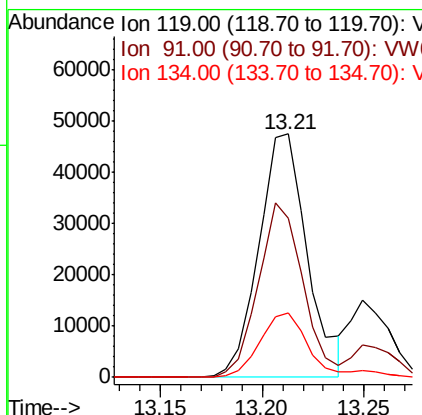
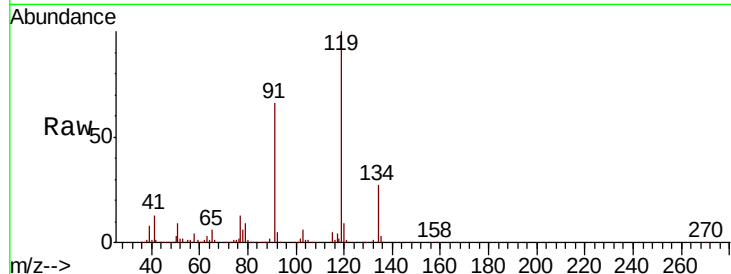




#83
 tert-Butylbenzene
 Concen: 19.258 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

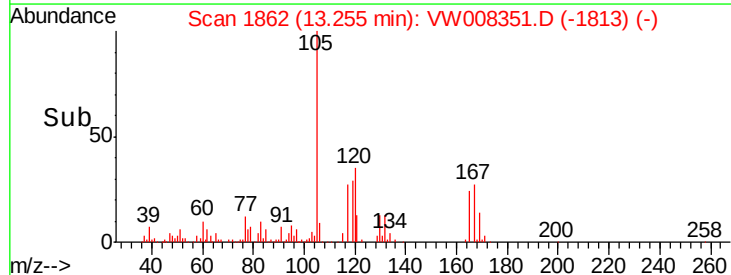
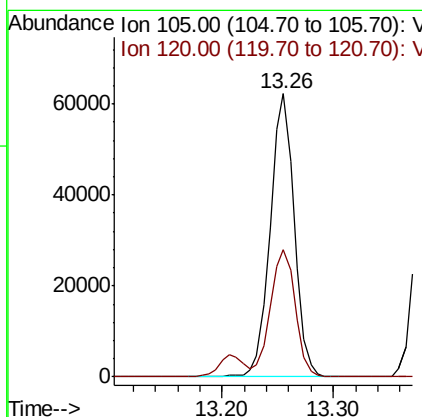
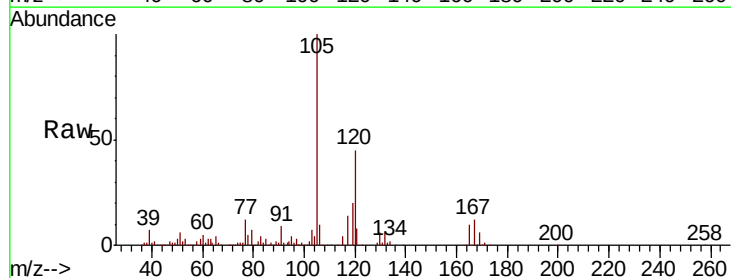
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBSD01

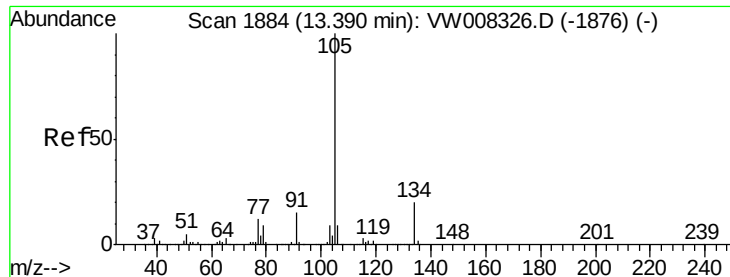
Tgt Ion:119 Resp: 78531
 Ion Ratio Lower Upper
 119 100
 91 66.4 32.4 97.0
 134 27.7 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.874 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion:105 Resp: 93803
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.5 70.6





#85

sec-Butylbenzene

Concen: 20.321 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

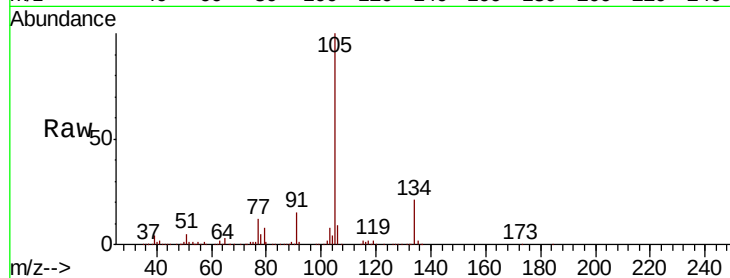
VW0118SBSD01

Tgt Ion:105 Resp: 118981

Ion Ratio Lower Upper

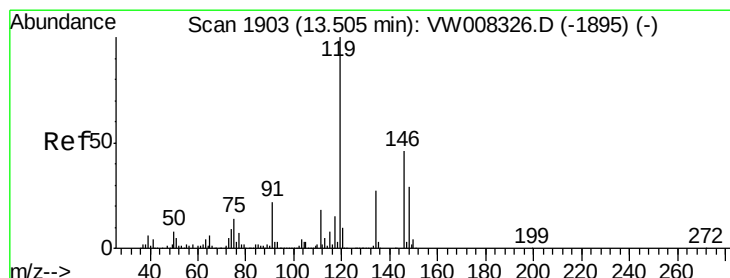
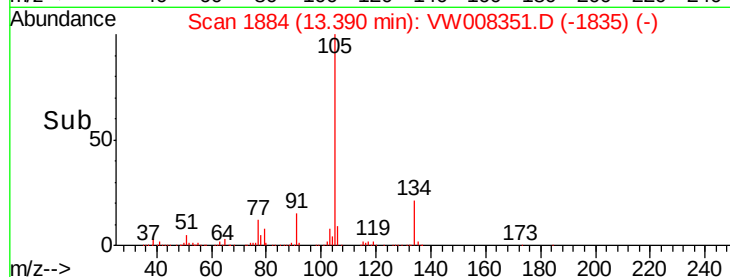
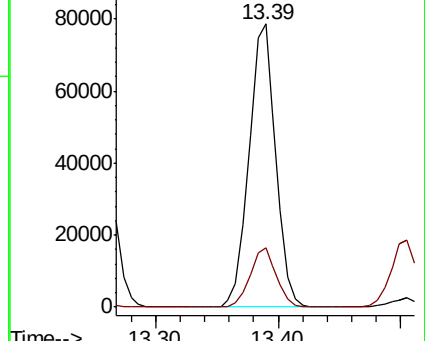
105 100

134 20.6 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.175 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

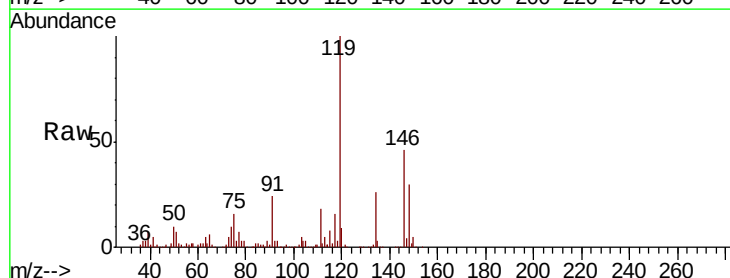
Tgt Ion:119 Resp: 103169

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

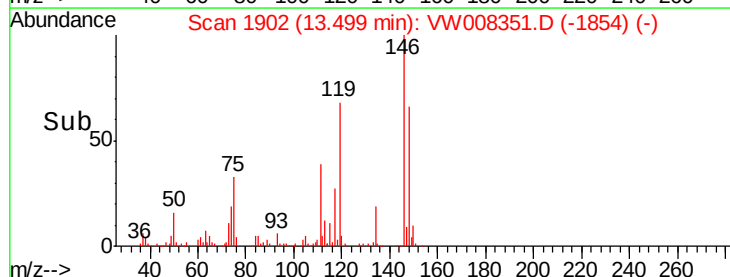
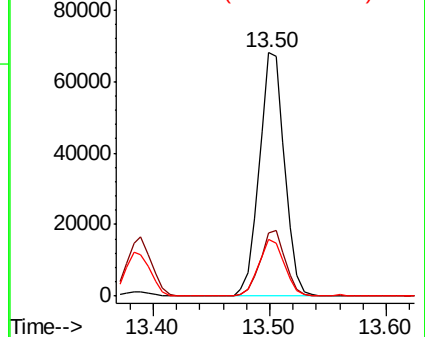
91 24.1 11.4 34.2

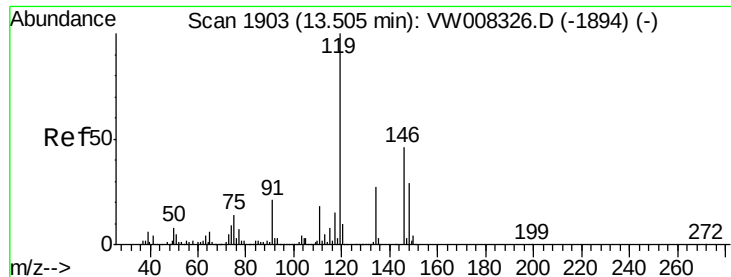


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.117 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

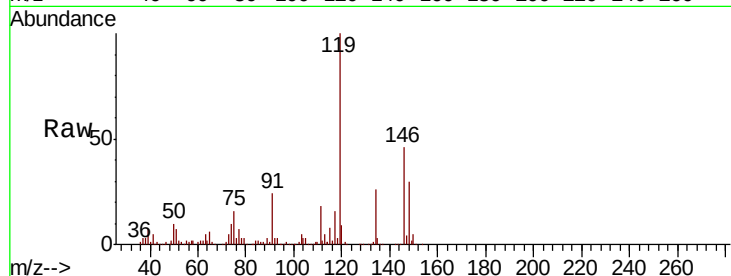
Tgt Ion:146 Resp: 50656

Ion Ratio Lower Upper

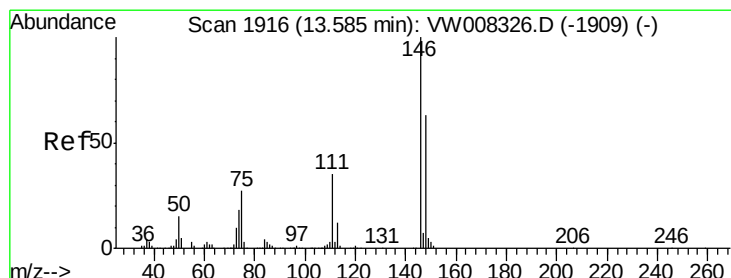
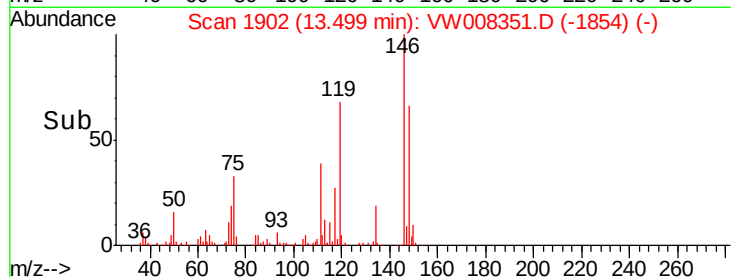
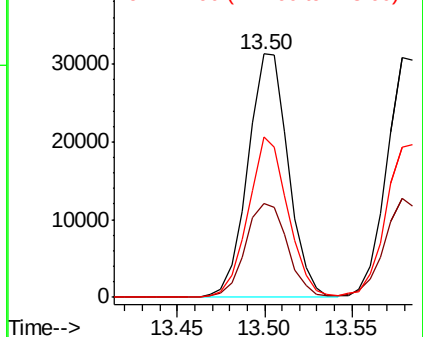
146 100

111 40.1 19.9 59.7

148 64.8 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: 18.827 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

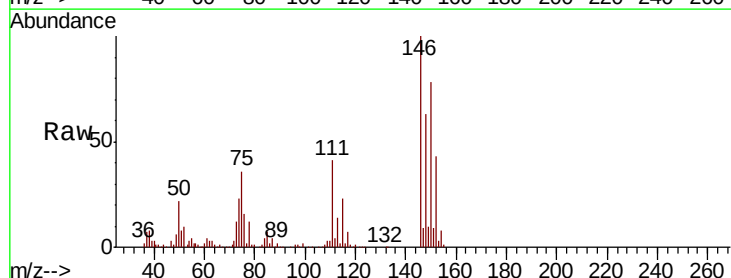
Tgt Ion:146 Resp: 49981

Ion Ratio Lower Upper

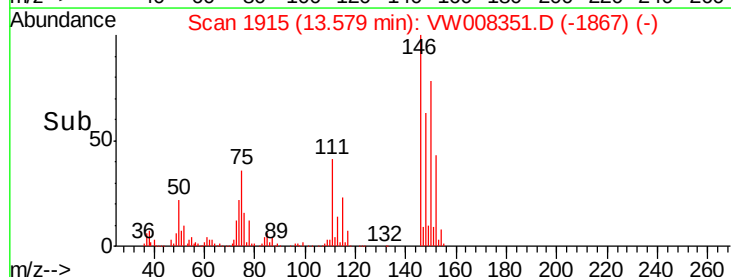
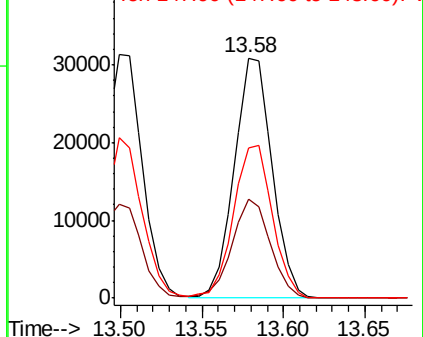
146 100

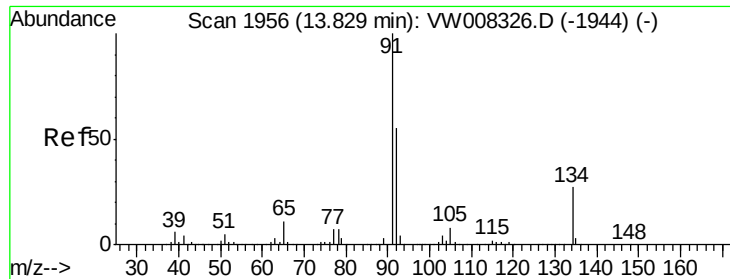
111 41.9 18.9 56.5

148 65.2 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: 20.458 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008351.D

Acq: 18 Jan 2019 13:01

Instrument :

MSVOA_W

ClientSampleId :

VW0118SBS01

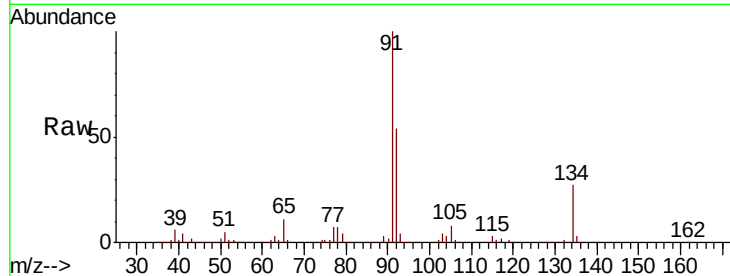
Tgt Ion: 91 Resp: 100349

Ion Ratio Lower Upper

91 100

92 54.8 27.2 81.6

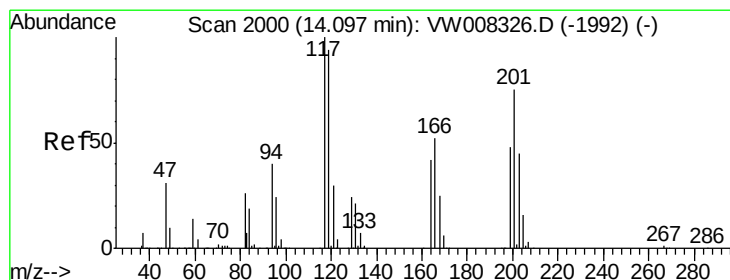
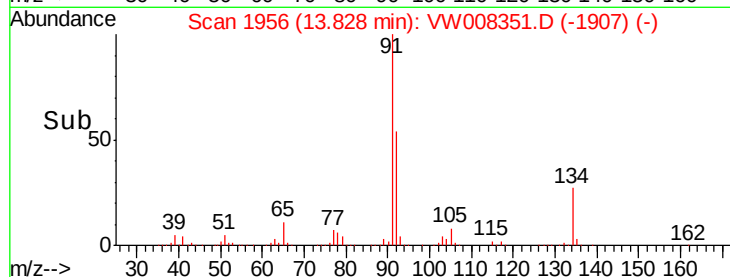
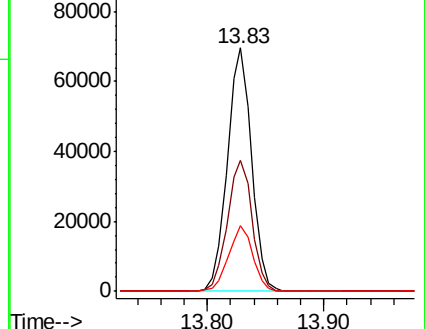
134 27.1 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.494 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008351.D

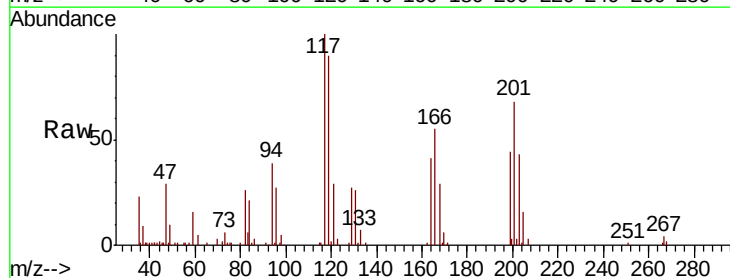
Acq: 18 Jan 2019 13:01

Tgt Ion: 117 Resp: 18448

Ion Ratio Lower Upper

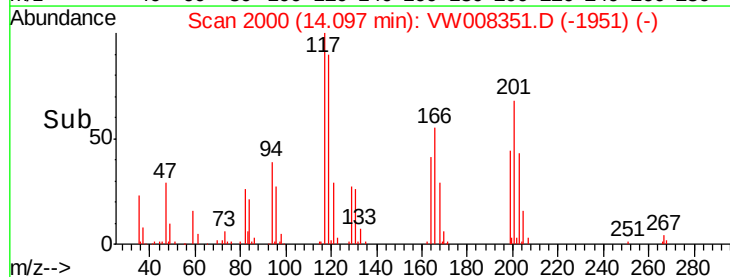
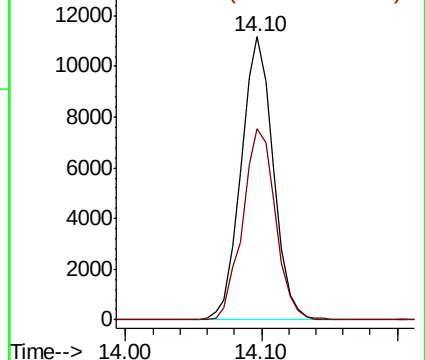
117 100

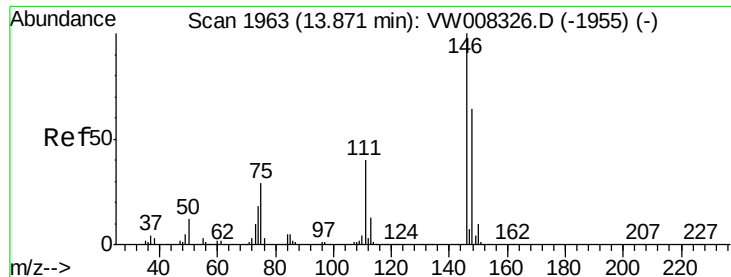
201 68.8 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

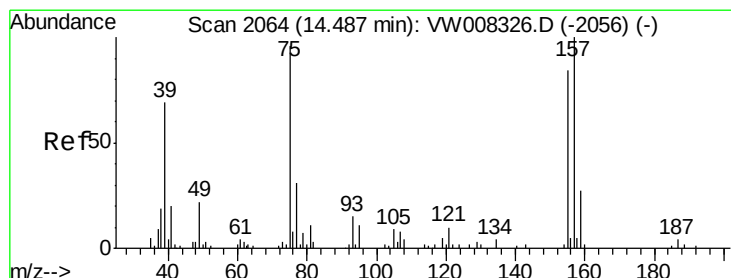
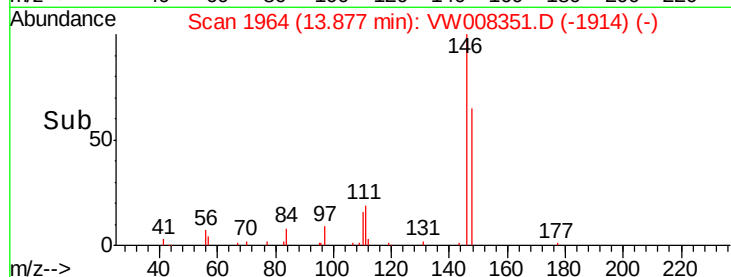
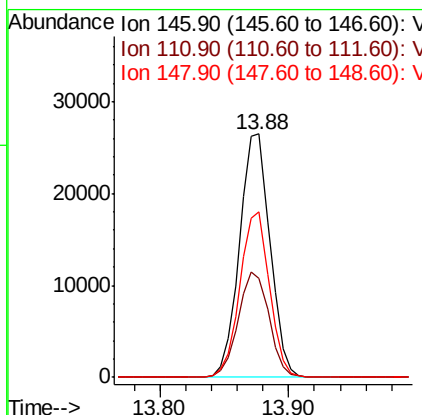
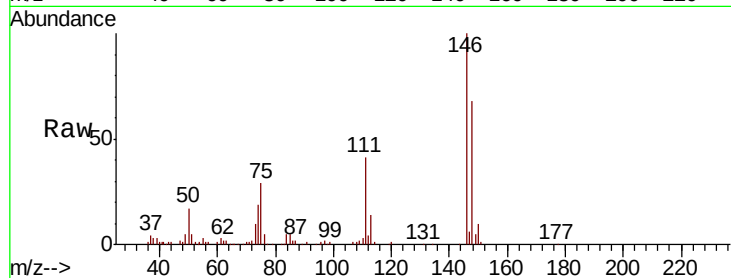




#91
 1,2-Dichlorobenzene
 Concen: 18.544 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

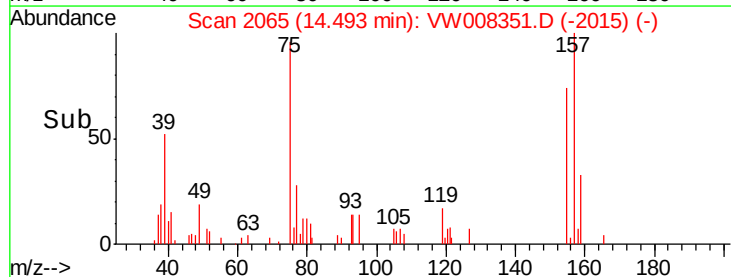
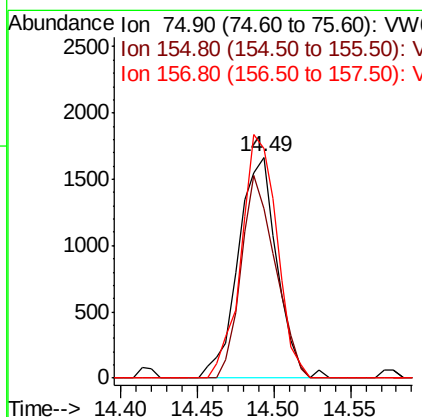
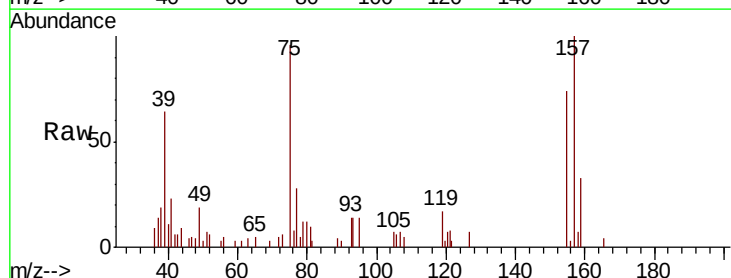
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

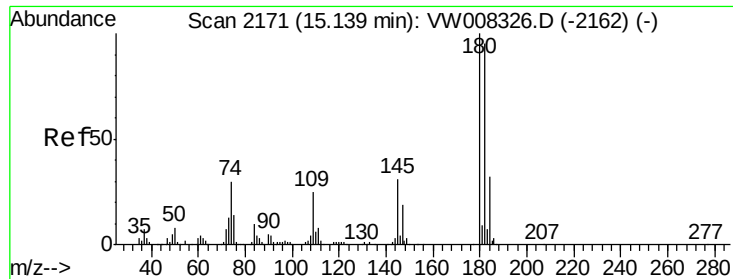
Tgt Ion: 146 Resp: 43383
 Ion Ratio Lower Upper
 146 100
 111 43.9 19.6 58.8
 148 65.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.961 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion: 75 Resp: 2928
 Ion Ratio Lower Upper
 75 100
 155 81.2 44.7 134.1
 157 101.9 53.9 161.8

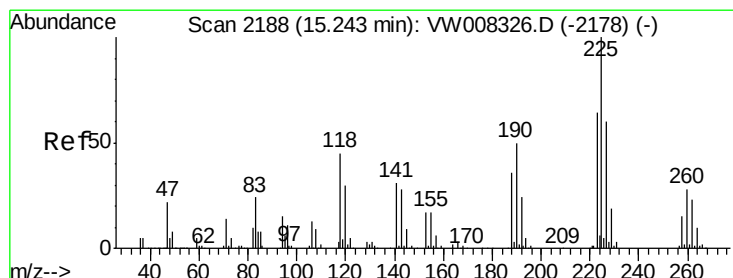
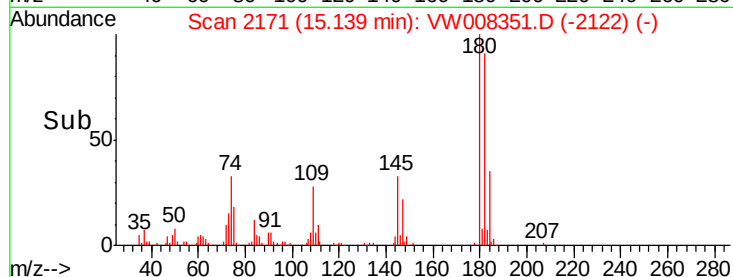
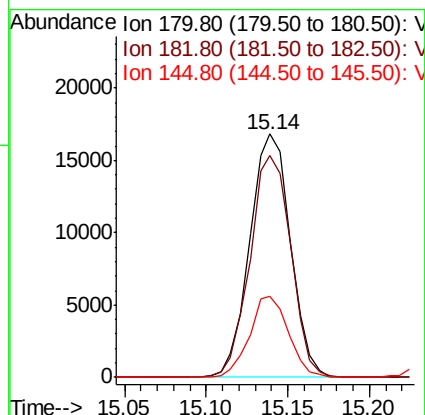
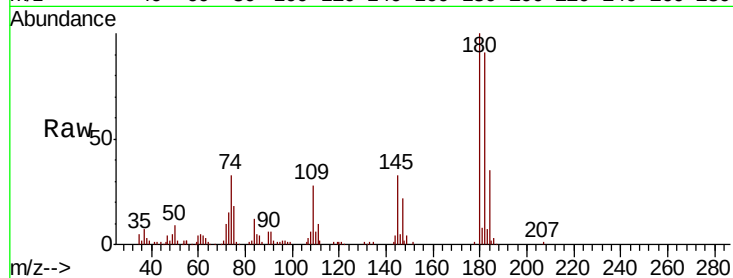




#93
 1,2,4-Trichlorobenzene
 Concen: 18.453 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

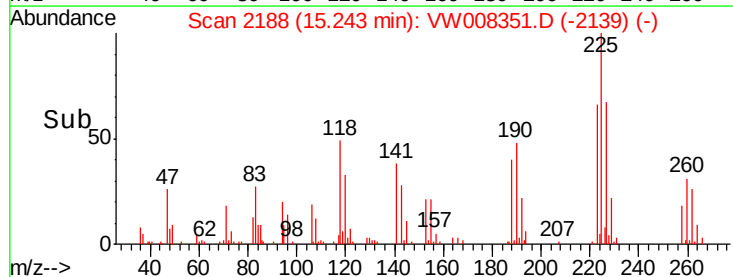
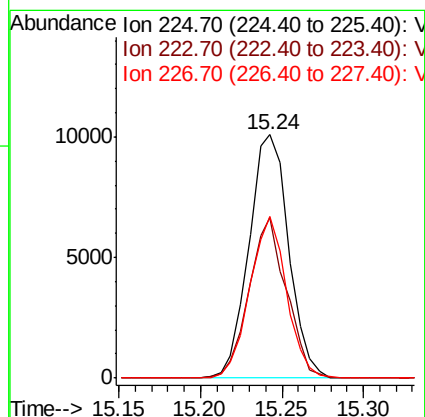
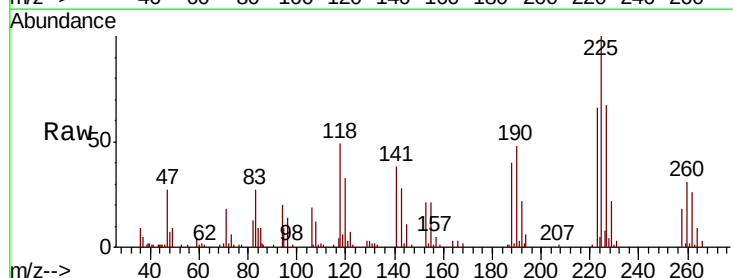
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0118SBS01

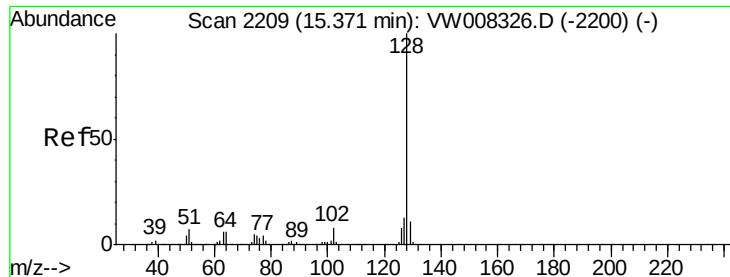
Tgt Ion:180 Resp: 29224
 Ion Ratio Lower Upper
 180 100
 182 91.5 47.6 142.8
 145 31.8 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 19.216 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008351.D
 Acq: 18 Jan 2019 13:01

Tgt Ion:225 Resp: 17151
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.1 93.3
 227 61.4 30.3 90.8

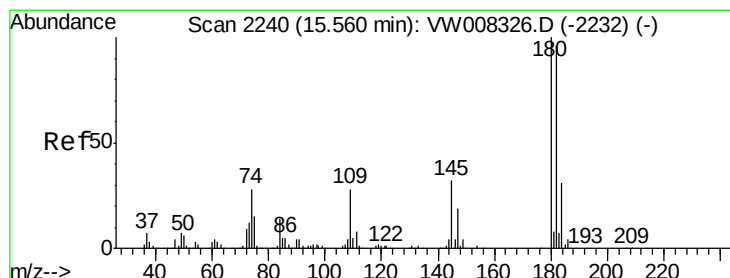
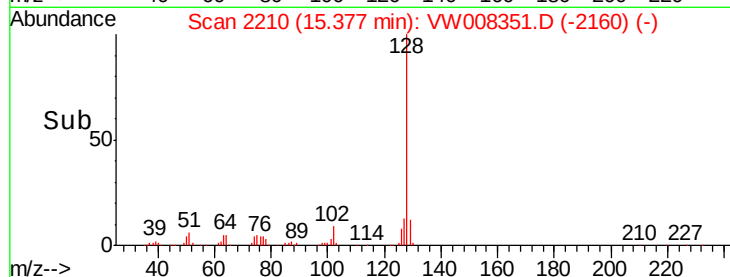
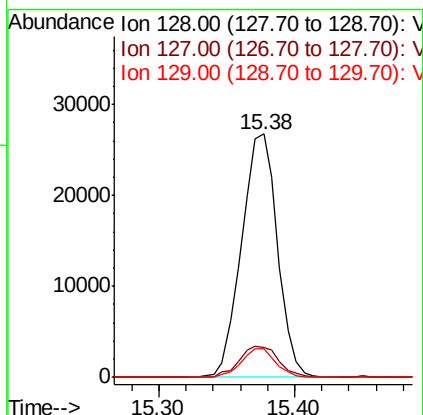
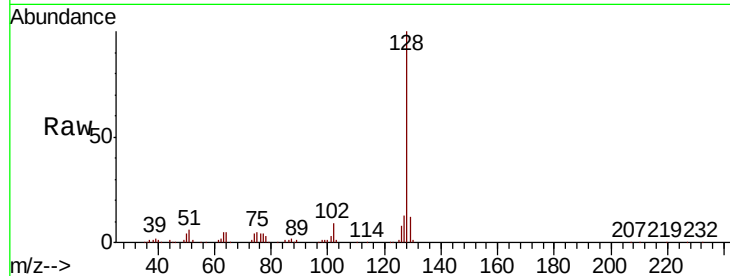




#95
Naphthalene
Concen: 18.407 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Instrument :
MSVOA_W
ClientSampleId :
VW0118SBS01

Tgt Ion:128 Resp: 49325
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.468 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008351.D
Acq: 18 Jan 2019 13:01

Tgt Ion:180 Resp: 25476
Ion Ratio Lower Upper
180 100
182 93.7 47.3 141.9
145 32.3 16.2 48.6

