

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011659.D
 Acq On : 03 Aug 2019 12:21
 Operator : SY/VA
 Sample : VW0804SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

Quant Time: Aug 04 01:42:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	255094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	407684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	356492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173114	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	157566	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.88	113	126853	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
50) Toluene-d8	10.32	98	531072	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
62) 4-Bromofluorobenzene	12.62	95	184397	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	30949	21.769 ug/l	97
3) Chloromethane	2.21	50	50548	20.505 ug/l	100
4) Vinyl Chloride	2.35	62	62475	21.050 ug/l	99
5) Bromomethane	2.77	94	29144	17.740 ug/l	96
6) Chloroethane	2.89	64	28955	17.079 ug/l	90
7) Trichlorofluoromethane	3.23	101	28207	21.266 ug/l	96
8) Diethyl Ether	3.67	74	28837	19.175 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	52338	20.801 ug/l	100
10) Methyl Iodide	4.26	142	69501	19.546 ug/l	100
12) 1,1-Dichloroethene	4.03	96	53695	20.211 ug/l	98
13) Acrolein	3.89	56	17304	82.330 ug/l	97
14) Allyl chloride	4.65	41	113598	20.104 ug/l	97
15) Acrylonitrile	5.37	53	68991	91.898 ug/l	99
16) Acetone	4.14	43	66805	71.697 ug/l	99
17) Carbon Disulfide	4.37	76	155910	18.750 ug/l	99
18) Methyl Acetate	4.67	43	38940	18.603 ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83479	19.801 ug/l	99
20) Methylene Chloride	4.91	84	60152	18.719 ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	59284	20.698 ug/l	97
22) Diisopropyl ether	6.31	45	217927	20.456 ug/l	96
23) Vinyl Acetate	6.25	43	643638	96.150 ug/l	100
24) 1,1-Dichloroethane	6.21	63	117672	20.624 ug/l	98
25) 2-Butanone	7.17	43	101131	82.945 ug/l	99
26) 2,2-Dichloropropane	7.16	77	64022	18.246 ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	63157	20.035 ug/l	99
28) Bromochloromethane	7.51	49	53797	21.243 ug/l #	98
29) Tetrahydrofuran	7.53	42	63576	91.223 ug/l	97
30) Chloroform	7.67	83	107123	20.351 ug/l	97
31) Cyclohexane	7.95	56	114713	20.945 ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	82270	20.523 ug/l	99
36) 1,1-Dichloropropene	8.08	75	89646	21.147 ug/l	98
37) Ethyl Acetate	7.25	43	44248	18.143 ug/l	99
38) Carbon Tetrachloride	8.07	117	76732	21.144 ug/l	99
39) Methylcyclohexane	9.33	83	102676	21.997 ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	247611	20.853	ug/l	99
41) Methacrylonitrile	7.48	41	26422	18.123	ug/l	97
42) 1,2-Dichloroethane	8.40	62	76621	20.610	ug/l	100
43) Isopropyl Acetate	8.42	43	83004	18.506	ug/l	99
44) Trichloroethene	9.09	130	60500	21.199	ug/l	95
45) 1,2-Dichloropropane	9.37	63	65167	20.511	ug/l	95
46) Dibromomethane	9.46	93	28526	19.672	ug/l	99
47) Bromodichloromethane	9.64	83	74760	19.654	ug/l	100
48) Methyl methacrylate	9.43	41	40836	18.953	ug/l	97
49) 1,4-Dioxane	9.48	88	7527	358.488	ug/l #	74
51) 4-Methyl-2-Pentanone	10.21	43	213891	91.679	ug/l	100
52) Toluene	10.38	92	151340	21.105	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	76188	19.174	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94600	20.023	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	41038	19.946	ug/l	98
56) Ethyl methacrylate	10.65	69	57362	19.052	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76943	19.767	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	157761	115.407	ug/l	100
59) 2-Hexanone	10.97	43	145873	88.554	ug/l	99
60) Dibromochloromethane	11.13	129	44520	19.493	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38275	19.658	ug/l	99
64) Tetrachloroethene	10.86	164	49732	21.426	ug/l	95
65) Chlorobenzene	11.66	112	147740	20.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49290	19.744	ug/l	98
67) Ethyl Benzene	11.73	91	289853	21.234	ug/l	98
68) m/p-Xylenes	11.84	106	208940	42.090	ug/l	99
69) o-Xylene	12.16	106	96073	20.827	ug/l	98
70) Styrene	12.18	104	164481	20.622	ug/l	100
71) Bromoform	12.35	173	24043	18.889	ug/l #	96
73) Isopropylbenzene	12.46	105	271732	21.041	ug/l	99
74) N-amyl acetate	12.27	43	75193	18.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47427	19.523	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	63333	34.575	ug/l #	100
77) Bromobenzene	12.75	156	59509	20.847	ug/l	98
78) n-propylbenzene	12.80	91	338342	21.527	ug/l	99
79) 2-Chlorotoluene	12.89	91	189217	20.897	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	232512	21.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14296	17.987	ug/l	93
82) 4-Chlorotoluene	12.99	91	202046	21.267	ug/l	99
83) tert-Butylbenzene	13.21	119	194775	21.515	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	230881	21.171	ug/l	99
85) sec-Butylbenzene	13.38	105	279710	21.654	ug/l	100
86) p-Isopropyltoluene	13.50	119	249594	21.296	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	116135	20.749	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	114449	20.555	ug/l	99
89) n-Butylbenzene	13.82	91	252541	21.592	ug/l	99
90) Hexachloroethane	14.09	117	41882	20.209	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	101085	20.420	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7804	18.839	ug/l	95
93) 1,2,4-Trichlorobenzene	15.13	180	69979	20.058	ug/l	99

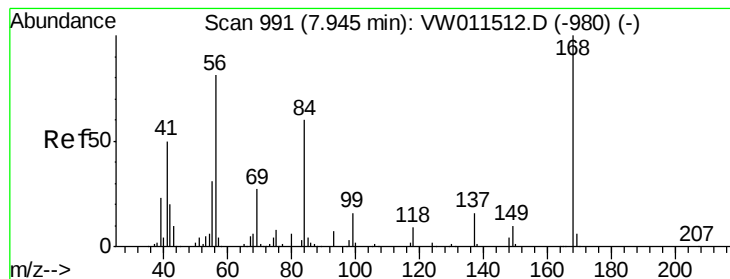
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	46492	21.368	ug/l	97
95) Naphthalene	15.37	128	117619	18.565	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	60151	19.669	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: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

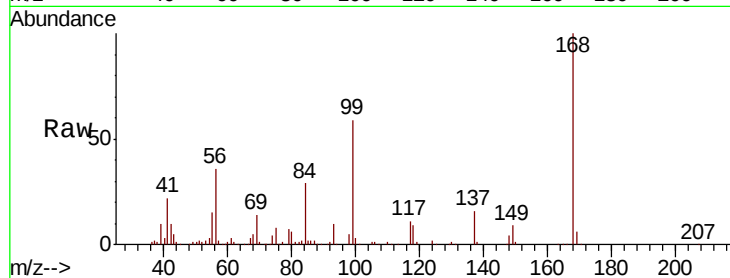
VW0804SBS01

Tgt Ion:168 Resp: 255094

Ion Ratio Lower Upper

168 100

99 59.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

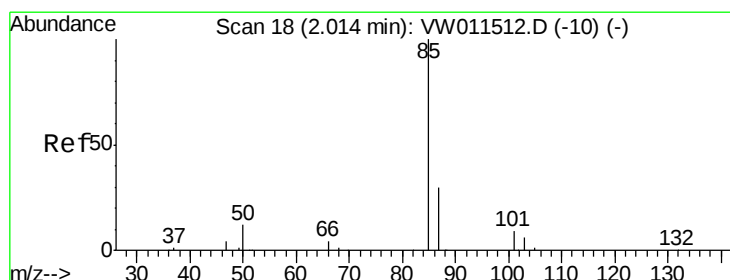
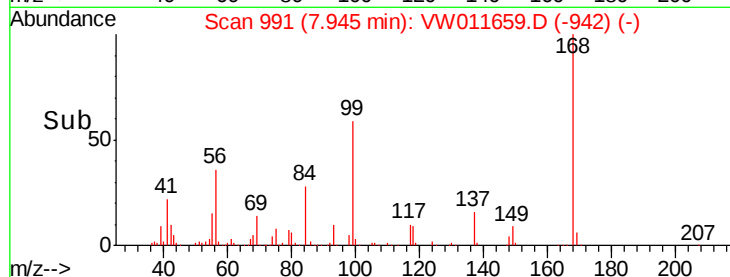
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.769 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011659.D

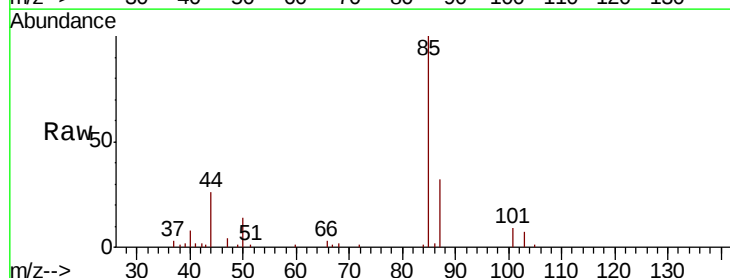
Acq: 03 Aug 2019 12:21

Tgt Ion: 85 Resp: 30949

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

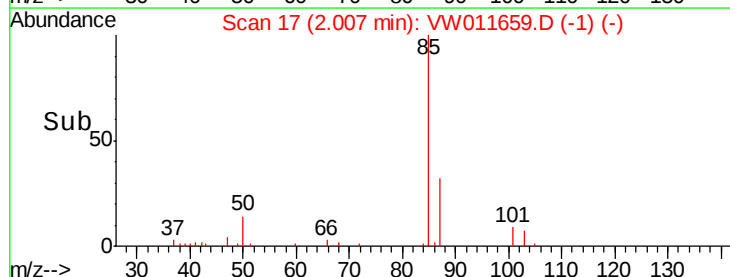
2.01

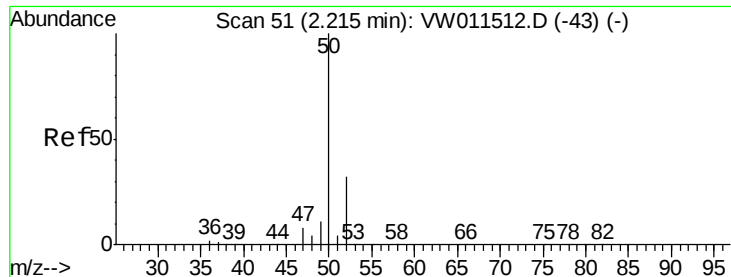
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.505 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

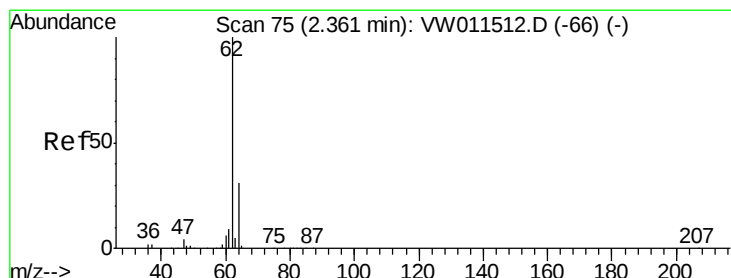
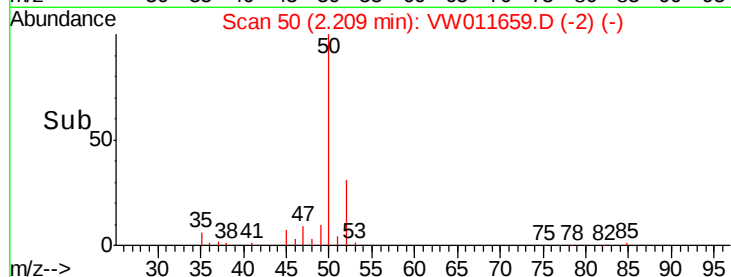
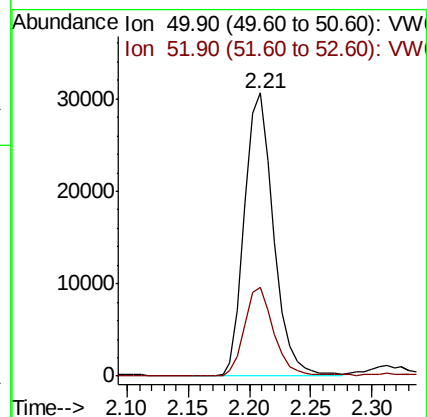
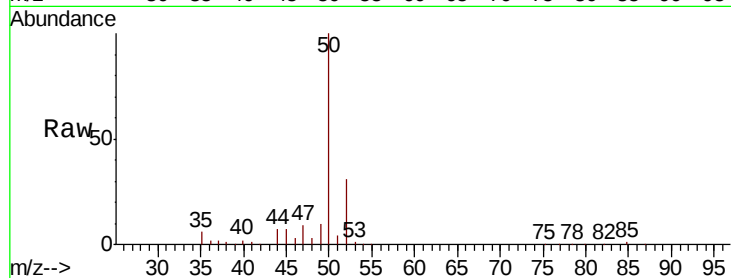
VW0804SBS01

Tgt Ion: 50 Resp: 50548

Ion Ratio Lower Upper

50 100

52 31.5 25.4 38.2



#4

Vinyl Chloride

Concen: 21.050 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011659.D

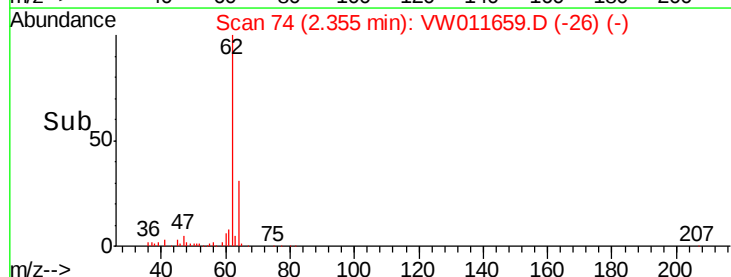
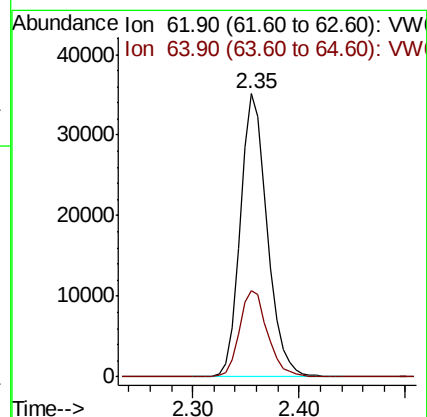
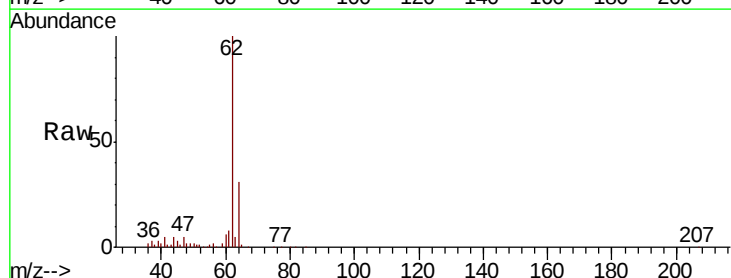
Acq: 03 Aug 2019 12:21

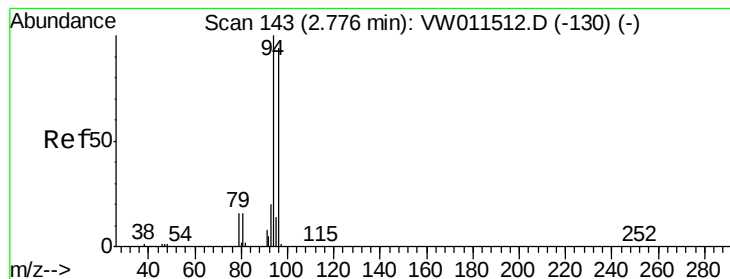
Tgt Ion: 62 Resp: 62475

Ion Ratio Lower Upper

62 100

64 30.5 25.0 37.4





#5

Bromomethane

Concen: 17.740 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

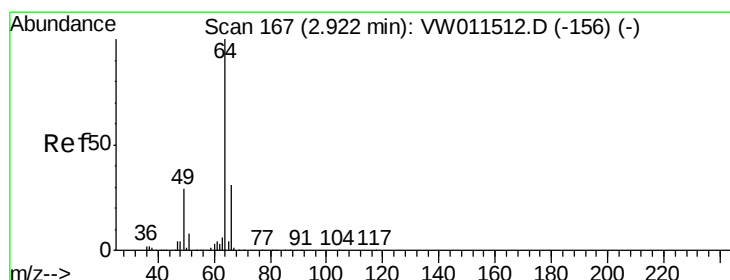
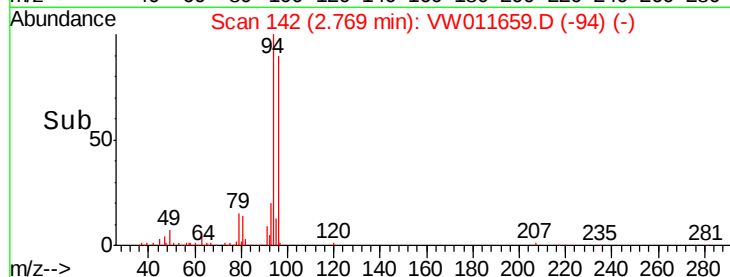
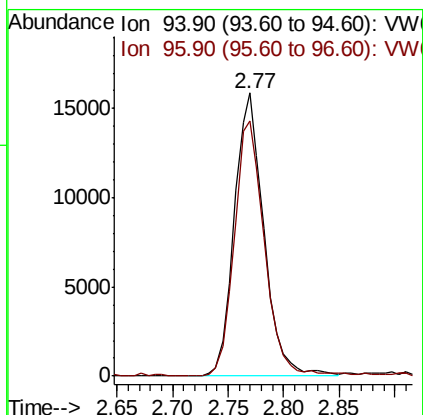
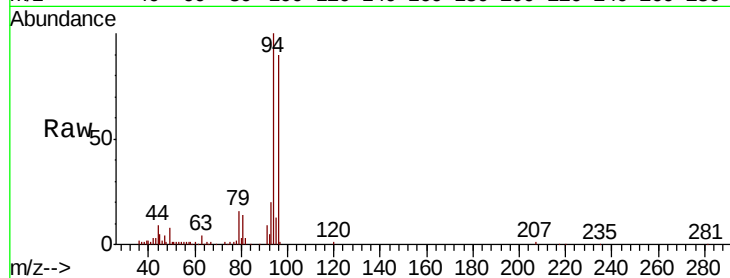
VW0804SBS01

Tgt Ion: 94 Resp: 29144

Ion Ratio Lower Upper

94 100

96 90.2 75.0 112.6



#6

Chloroethane

Concen: 17.079 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.03 min

Lab File: VW011659.D

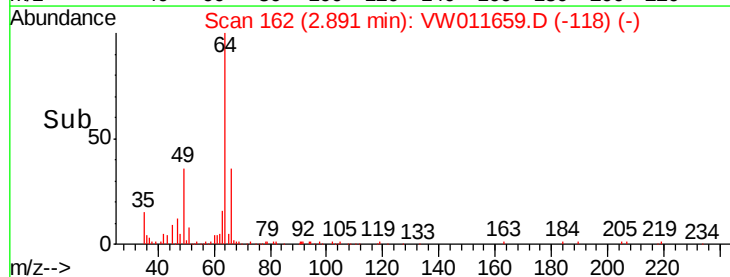
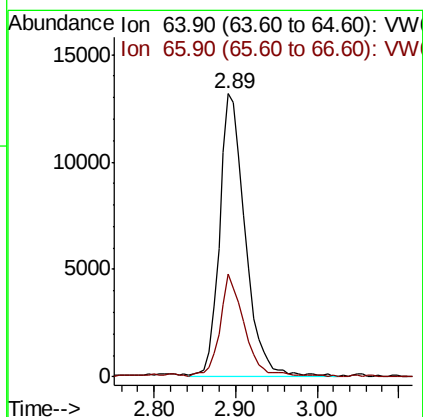
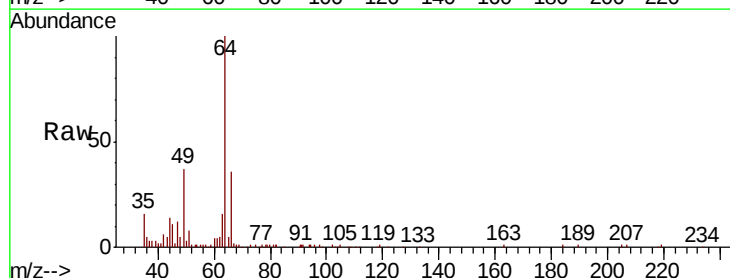
Acq: 03 Aug 2019 12:21

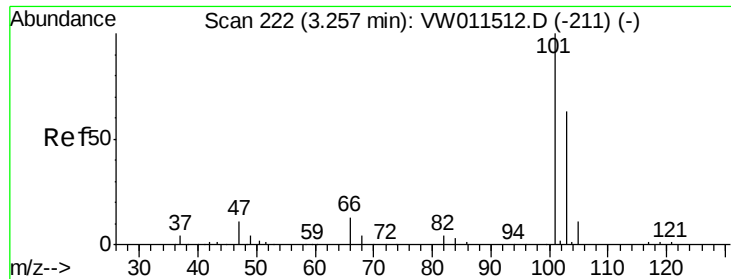
Tgt Ion: 64 Resp: 28955

Ion Ratio Lower Upper

64 100

66 36.3 24.6 36.8



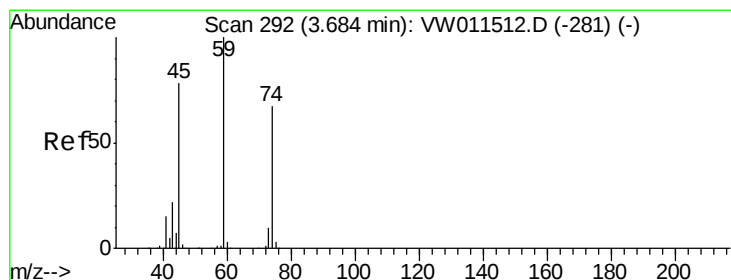
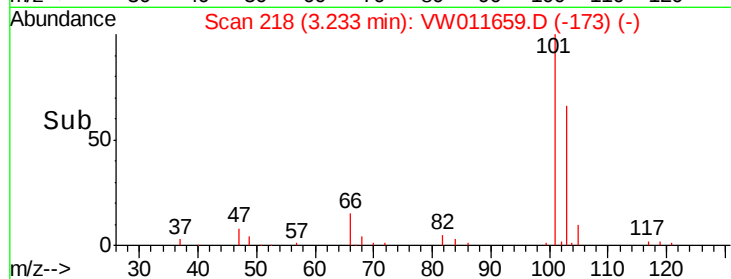
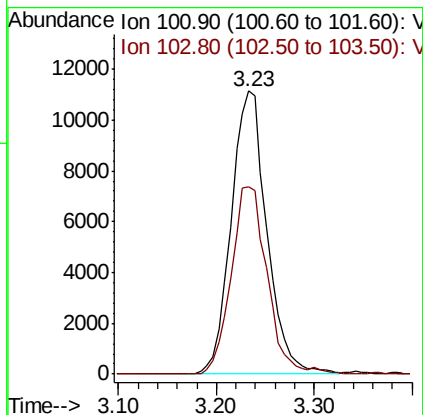
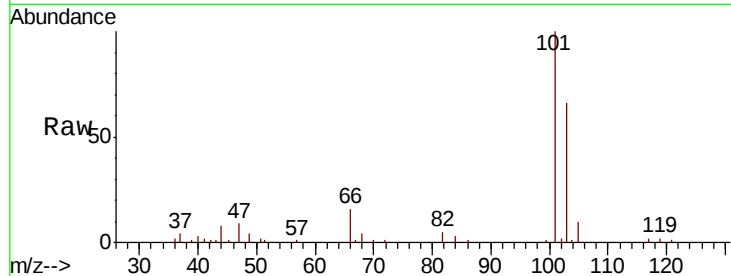


#7

Trichlorofluoromethane
Concen: 21.266 ug/l
RT: 3.23 min Scan# 218
Delta R.T. -0.02 min
Lab File: VW011659.D
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Instrument :
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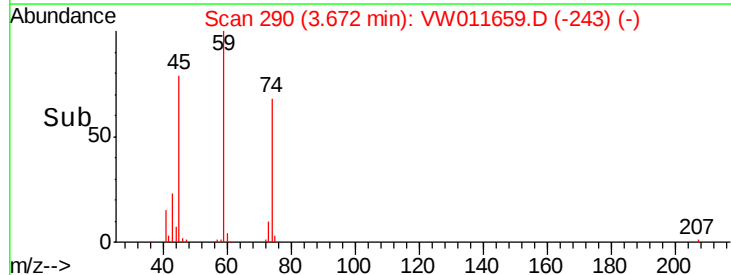
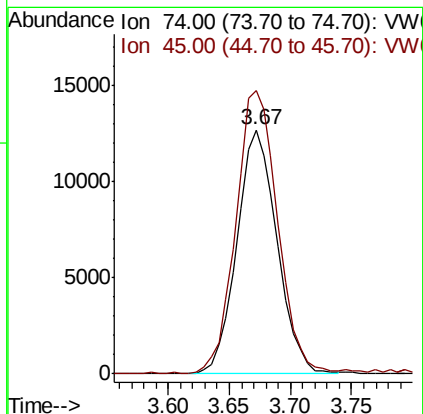
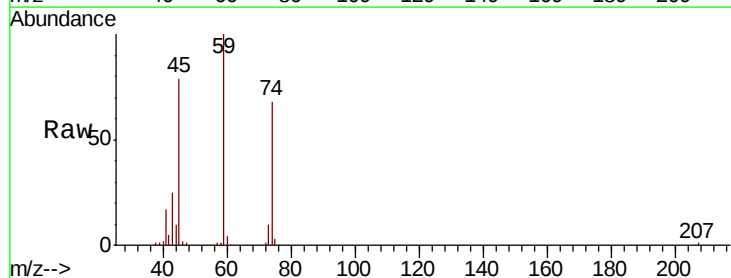
Tgt Ion: 101 Resp: 28207
Ion Ratio Lower Upper
101 100
103 66.1 50.2 75.4

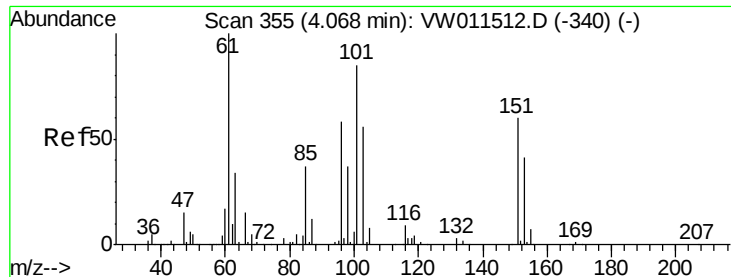


#8

Diethyl Ether
Concen: 19.175 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 74 Resp: 28837
Ion Ratio Lower Upper
74 100
45 121.5 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.801 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.02 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

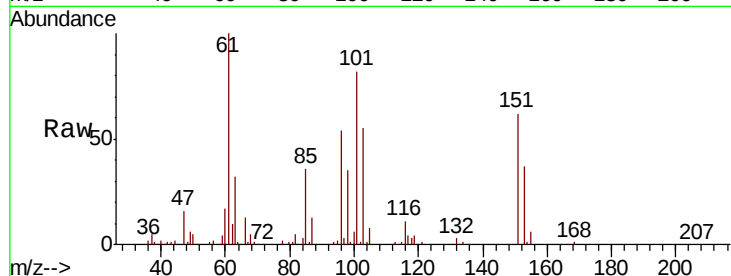
Tgt Ion:101 Resp: 52338

Ion Ratio Lower Upper

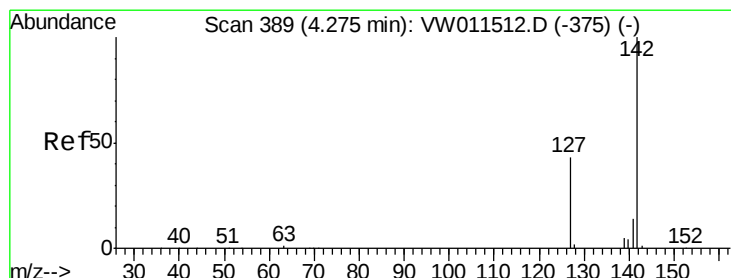
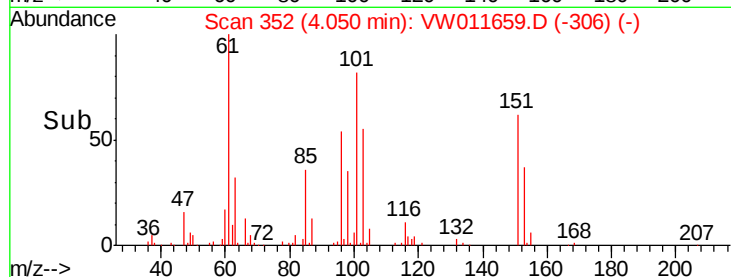
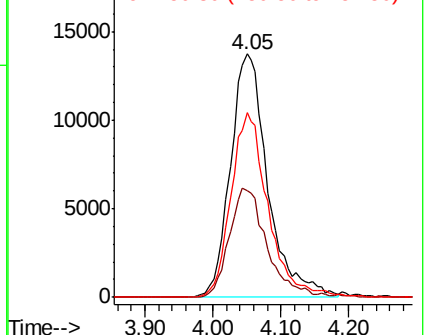
101 100

85 45.8 36.6 54.8

151 75.6 60.2 90.2



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



#10

Methyl Iodide

Concen: 19.546 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.02 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

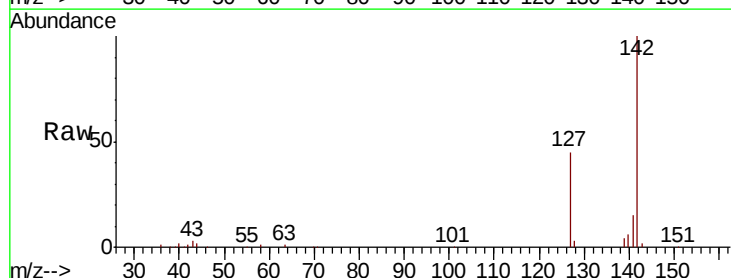
Tgt Ion:142 Resp: 69501

Ion Ratio Lower Upper

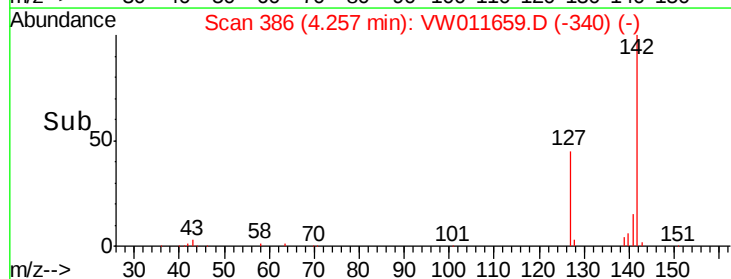
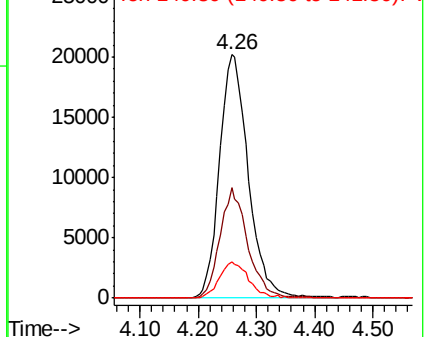
142 100

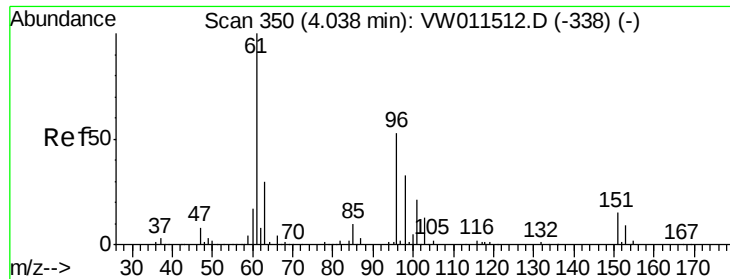
127 43.5 35.0 52.6

141 15.1 11.9 17.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#12

1,1-Dichloroethene

Concen: 20.211 ug/l

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

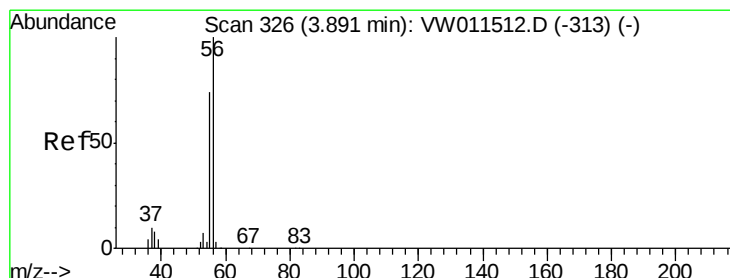
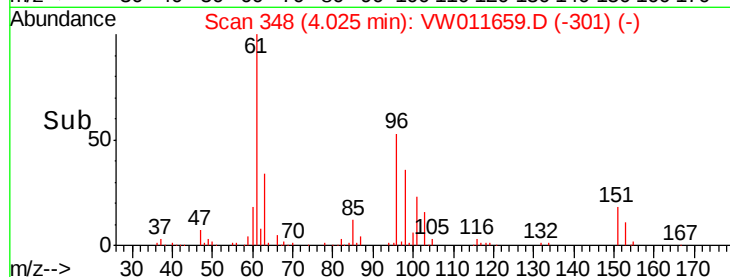
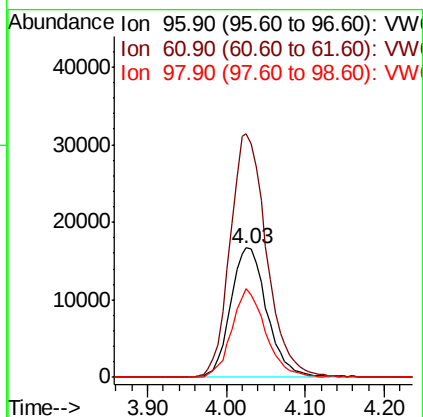
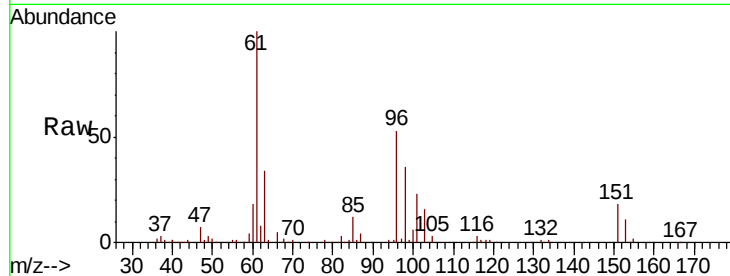
Tgt Ion: 96 Resp: 53695

Ion Ratio Lower Upper

96 100

61 187.8 149.9 224.9

98 68.0 49.1 73.7



#13

Acrolein

Concen: 82.330 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011659.D

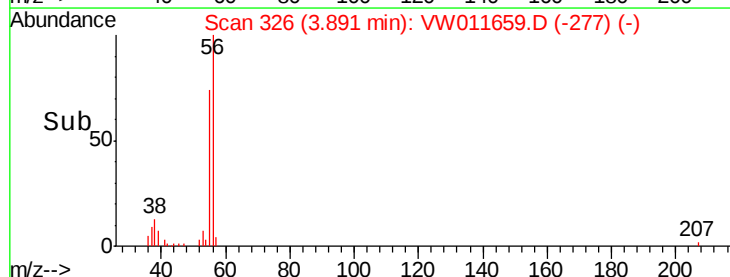
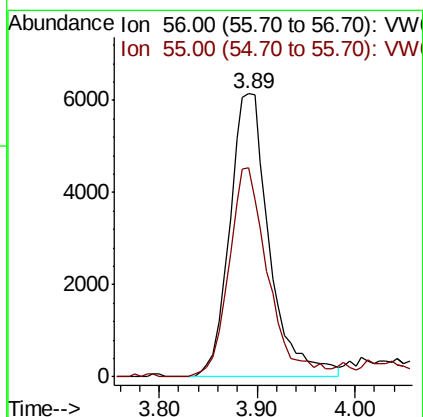
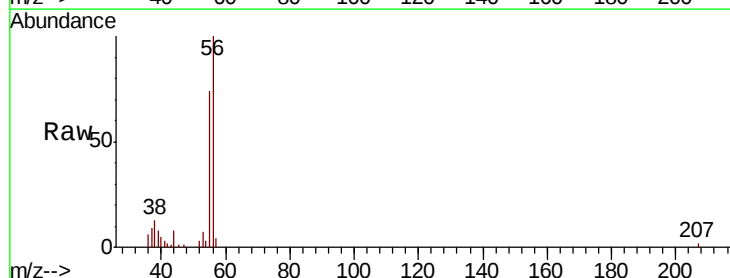
Acq: 03 Aug 2019 12:21

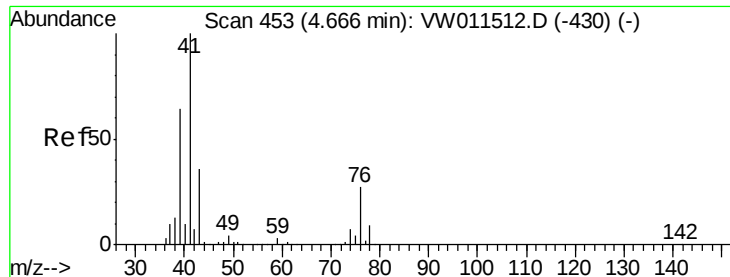
Tgt Ion: 56 Resp: 17304

Ion Ratio Lower Upper

56 100

55 72.5 56.0 84.0

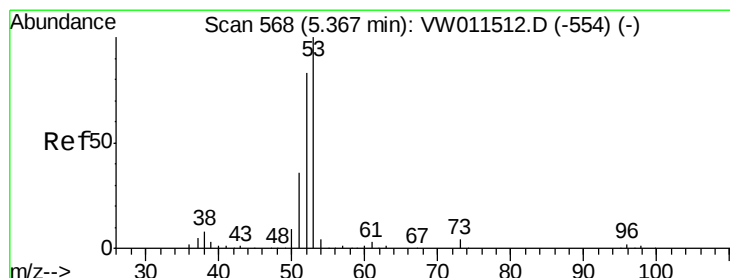
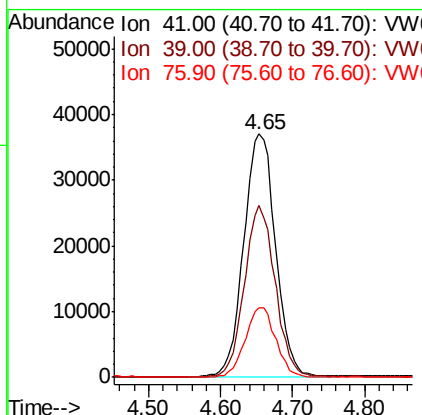
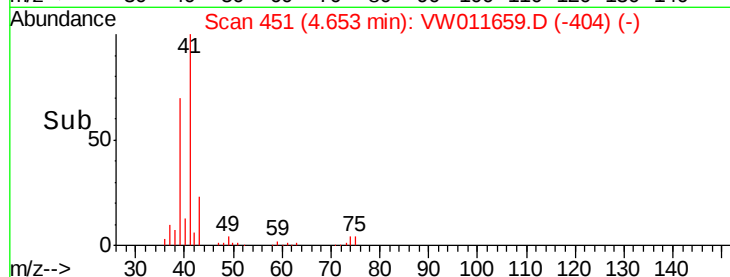
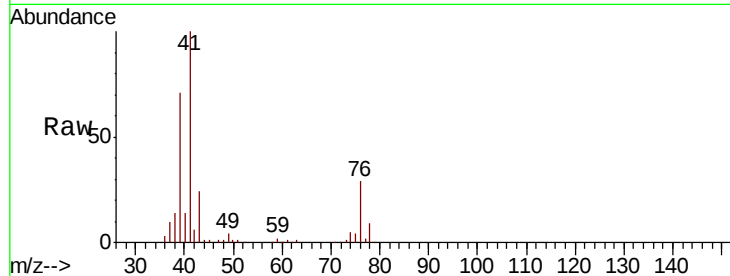




#14
 Allyl chloride
 Concen: 20.104 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

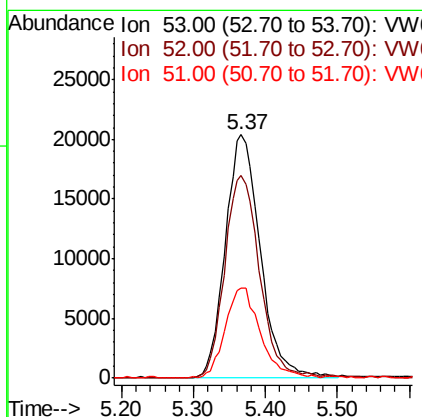
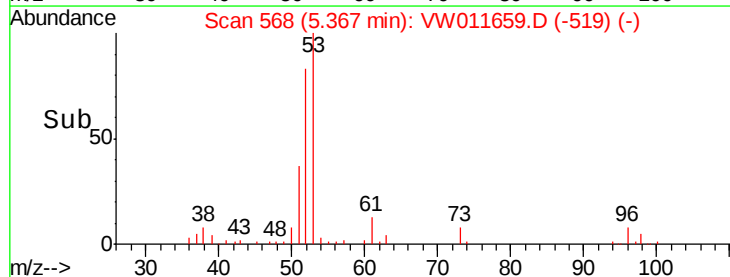
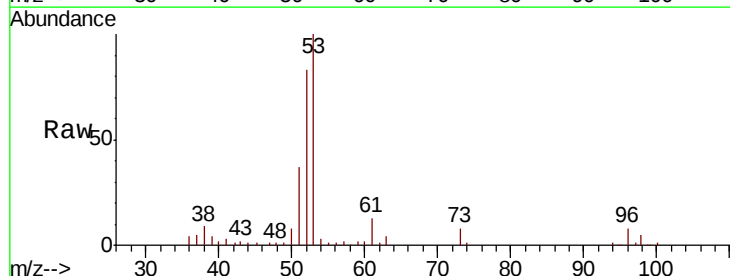
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

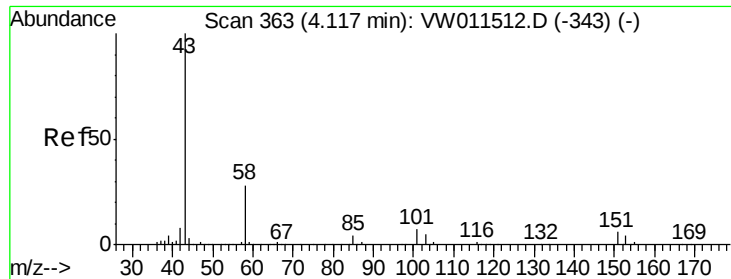
Tgt Ion: 41 Resp: 113598
 Ion Ratio Lower Upper
 41 100
 39 68.6 52.6 78.8
 76 27.5 22.0 33.0



#15
 Acrylonitrile
 Concen: 91.898 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 53 Resp: 68991
 Ion Ratio Lower Upper
 53 100
 52 82.7 67.2 100.8
 51 37.4 30.0 45.0





#16

Acetone

Concen: 71.697 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

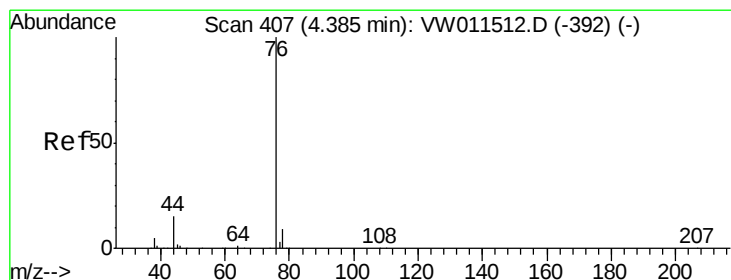
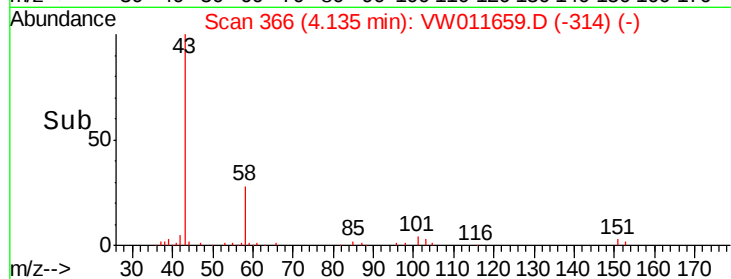
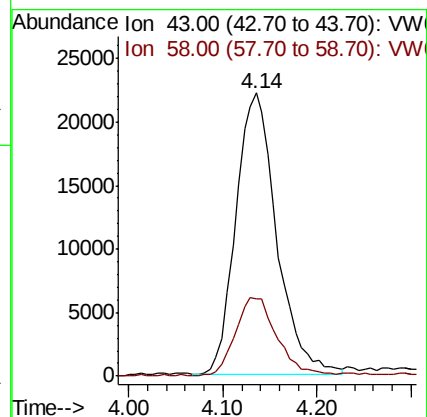
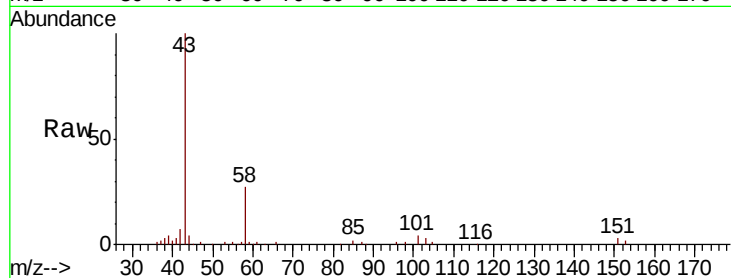
VW0804SBS01

Tgt Ion: 43 Resp: 66805

Ion Ratio Lower Upper

43 100

58 27.4 22.3 33.5



#17

Carbon Disulfide

Concen: 18.750 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011659.D

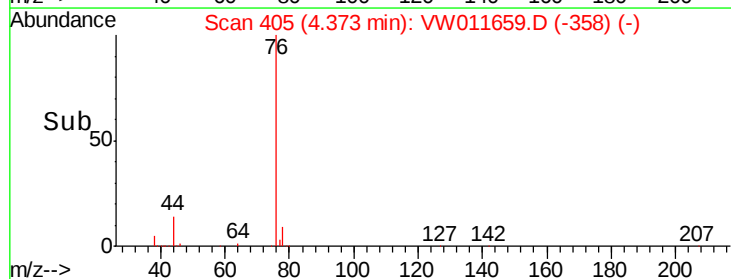
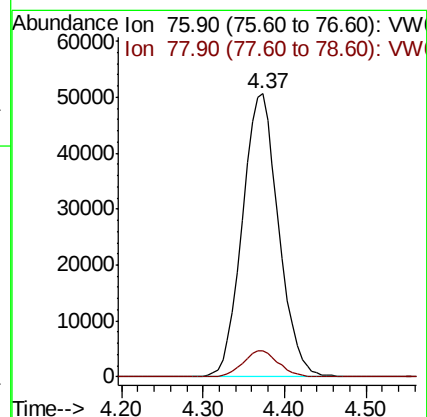
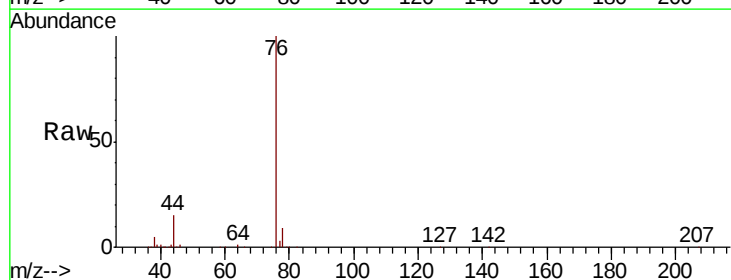
Acq: 03 Aug 2019 12:21

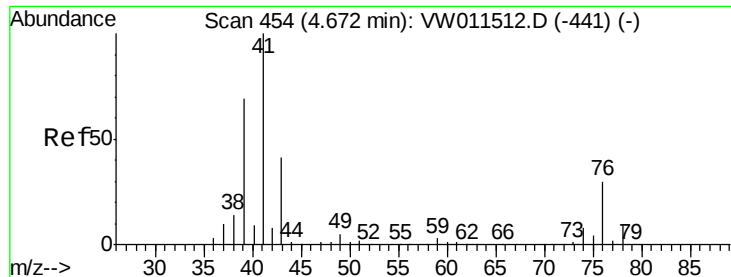
Tgt Ion: 76 Resp: 155910

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

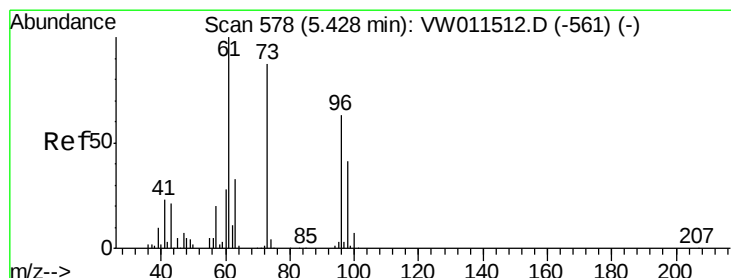
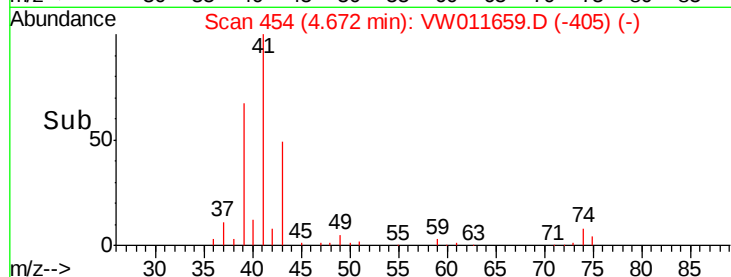
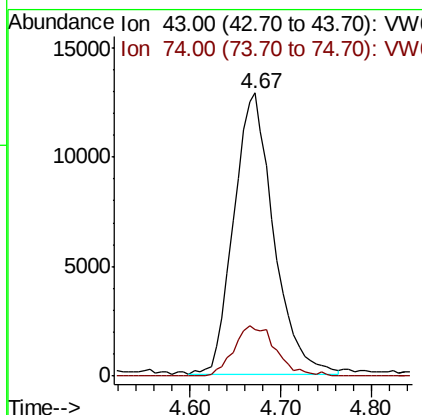
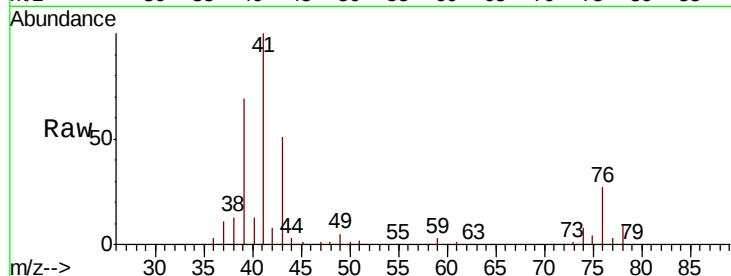




#18
Methyl Acetate
Concen: 18.603 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

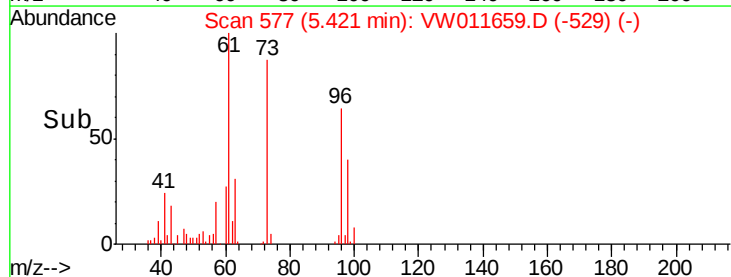
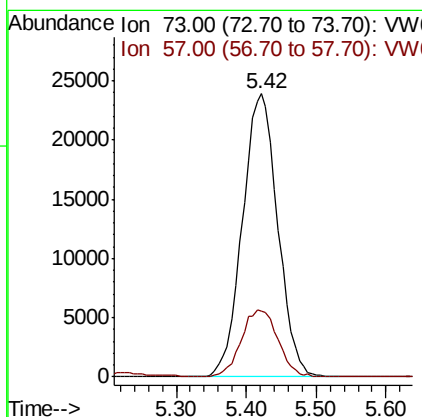
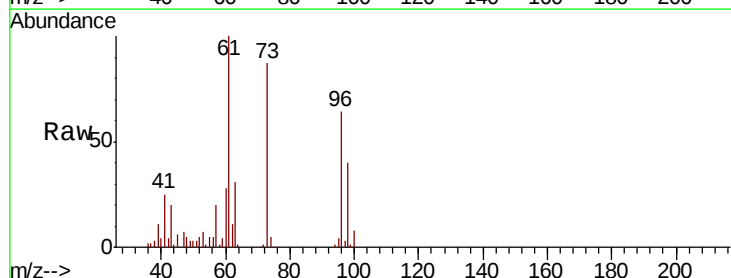
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

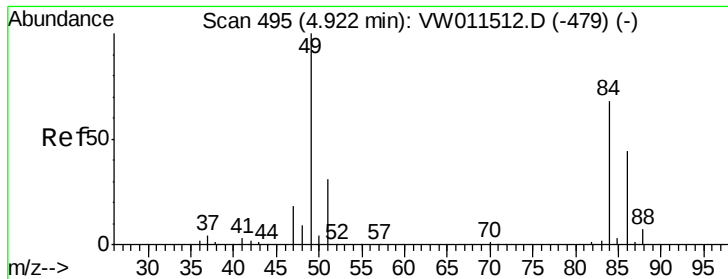
Tgt Ion: 43 Resp: 38940
Ion Ratio Lower Upper
43 100
74 19.1 15.9 23.9



#19
Methyl tert-butyl Ether
Concen: 19.801 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 73 Resp: 83479
Ion Ratio Lower Upper
73 100
57 23.3 18.4 27.6





#20

Methylene Chloride

Concen: 18.719 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

Tgt Ion: 84 Resp: 60152

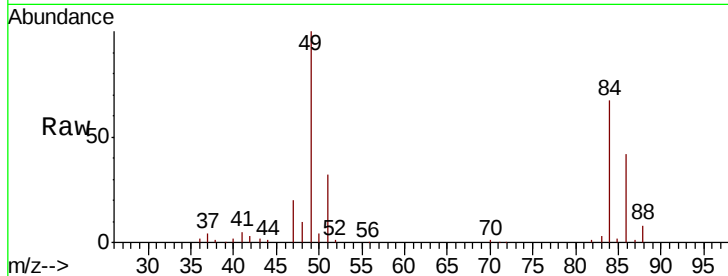
Ion Ratio Lower Upper

84 100

49 149.5 117.8 176.6

51 48.0 37.0 55.4

86 63.0 51.8 77.8

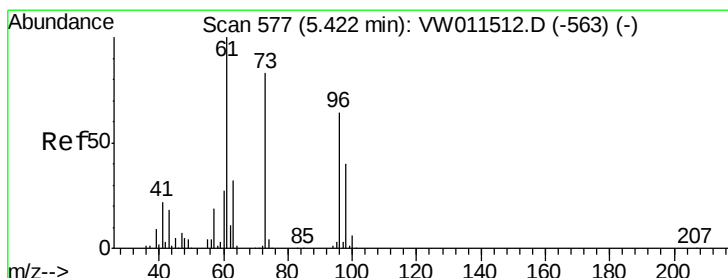
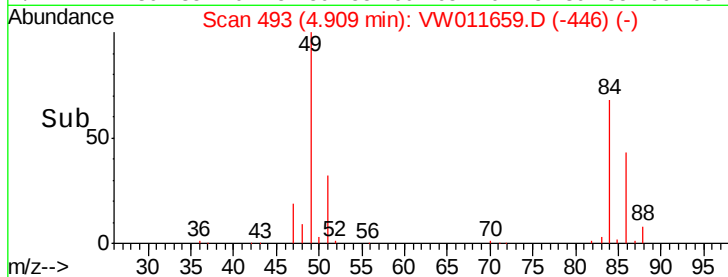
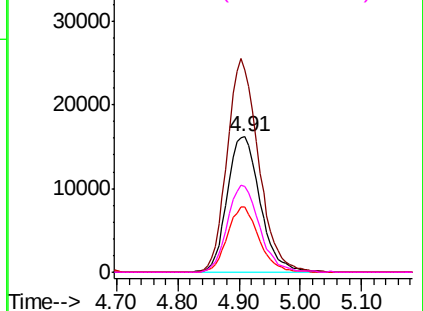


Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW



#21

trans-1,2-Dichloroethene

Concen: 20.698 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

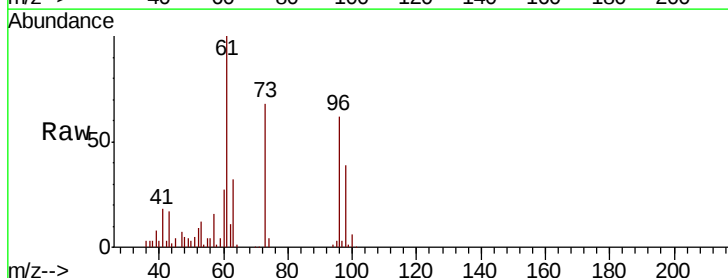
Tgt Ion: 96 Resp: 59284

Ion Ratio Lower Upper

96 100

61 162.6 125.7 188.5

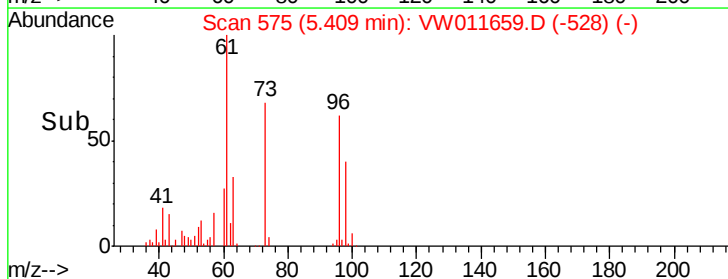
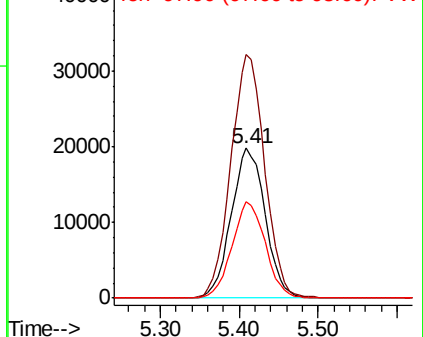
98 64.0 50.3 75.5

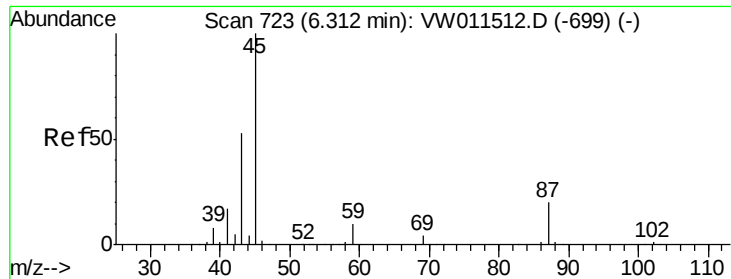


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#22

Diisopropyl ether

Concen: 20.456 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

Tgt Ion: 45 Resp: 217927

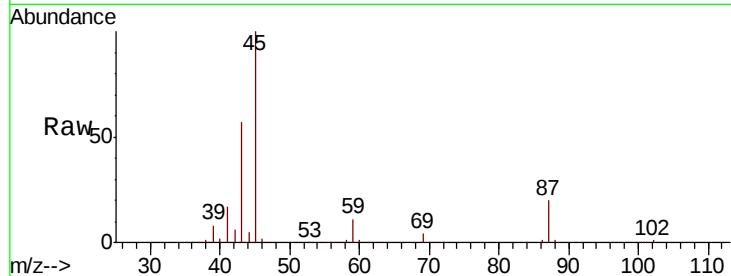
Ion Ratio Lower Upper

45 100

43 56.7 42.6 63.8

87 20.1 16.4 24.6

59 10.9 8.2 12.2

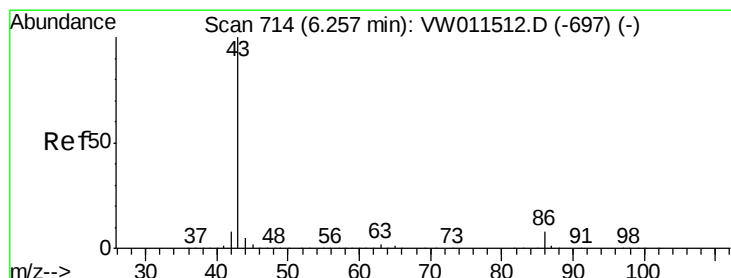
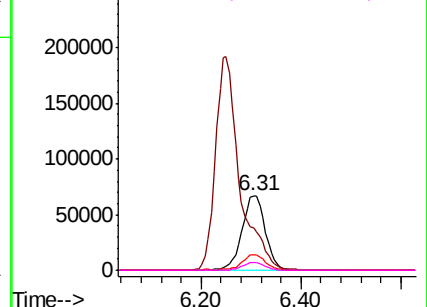
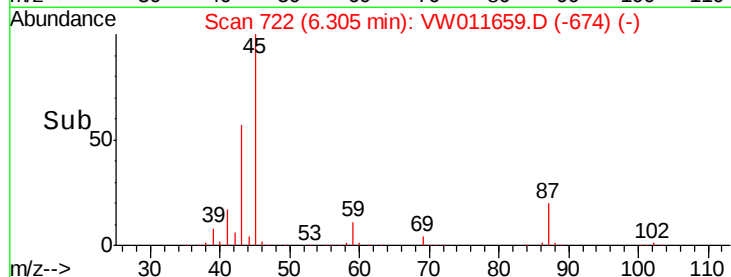


Abundance Ion 45.00 (44.70 to 45.70): VW

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: 96.150 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011659.D

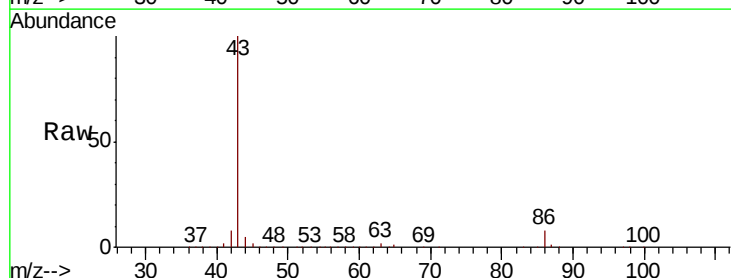
Acq: 03 Aug 2019 12:21

Tgt Ion: 43 Resp: 643638

Ion Ratio Lower Upper

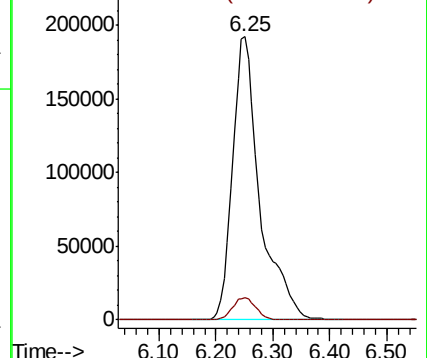
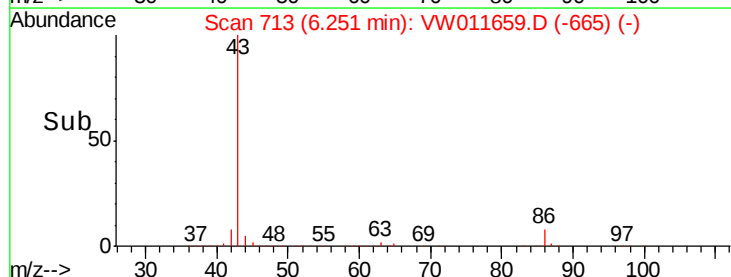
43 100

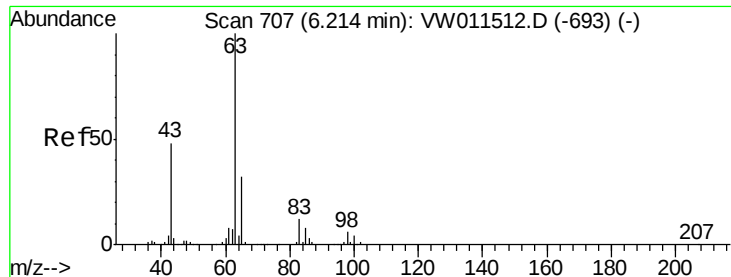
86 7.9 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW





#24

1,1-Dichloroethane

Concen: 20.624 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

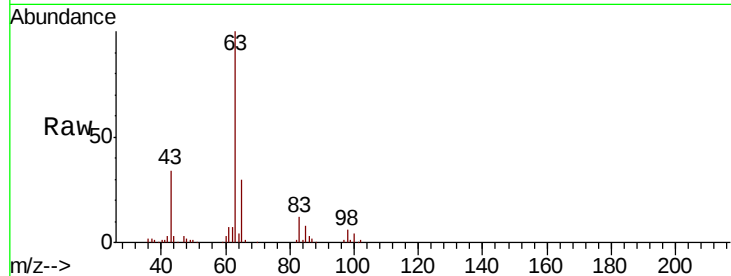
Tgt Ion: 63 Resp: 117672

Ion Ratio Lower Upper

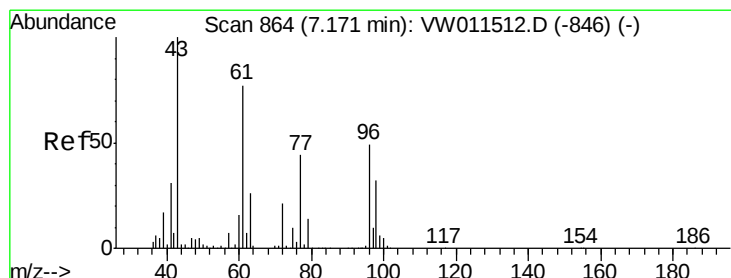
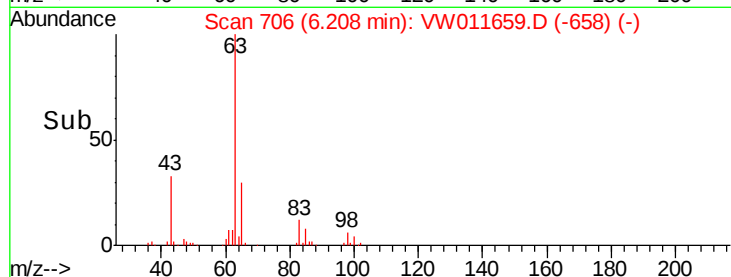
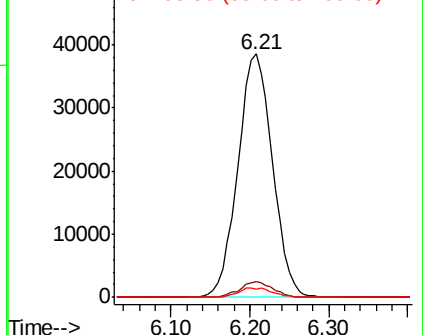
63 100

98 6.5 2.9 8.8

100 3.6 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: 82.945 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011659.D

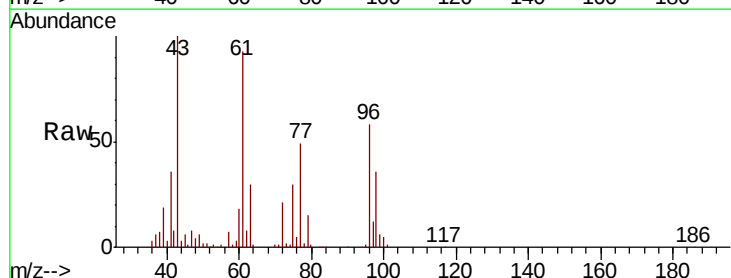
Acq: 03 Aug 2019 12:21

Tgt Ion: 43 Resp: 101131

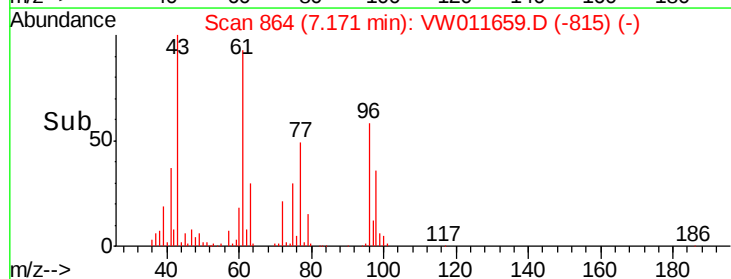
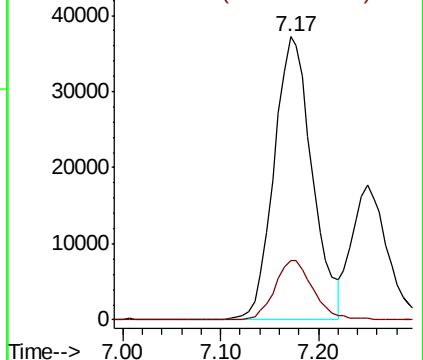
Ion Ratio Lower Upper

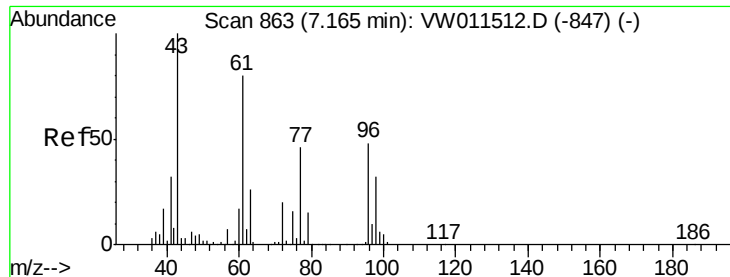
43 100

72 21.2 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 18.246 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

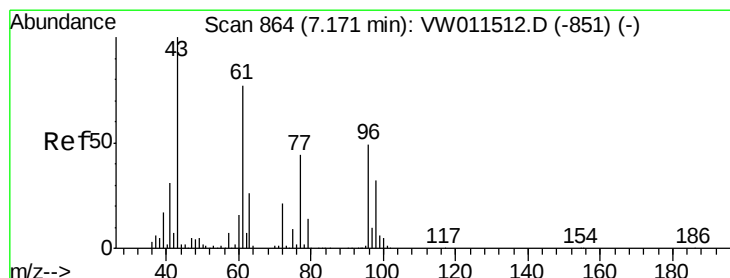
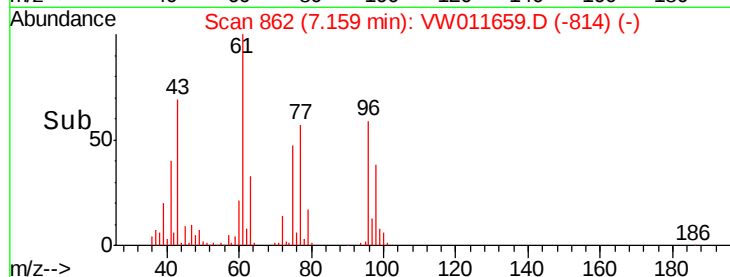
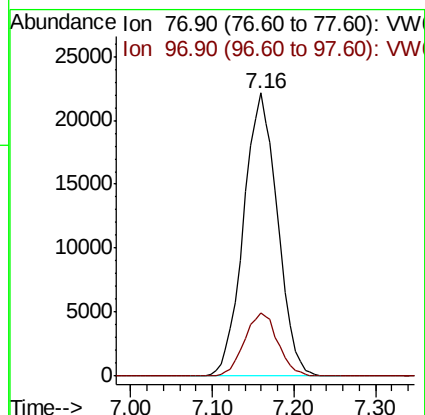
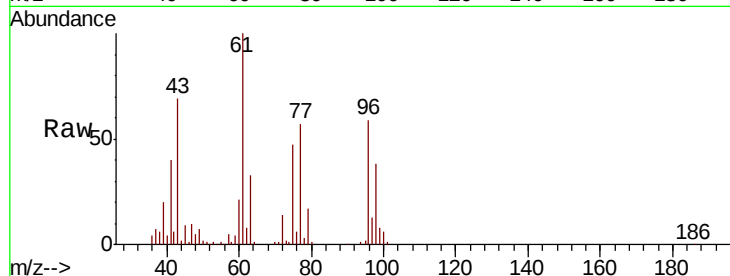
VW0804SBS01

Tgt Ion: 77 Resp: 64022

Ion Ratio Lower Upper

77 100

97 22.1 10.8 32.4



#27

cis-1,2-Dichloroethene

Concen: 20.035 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

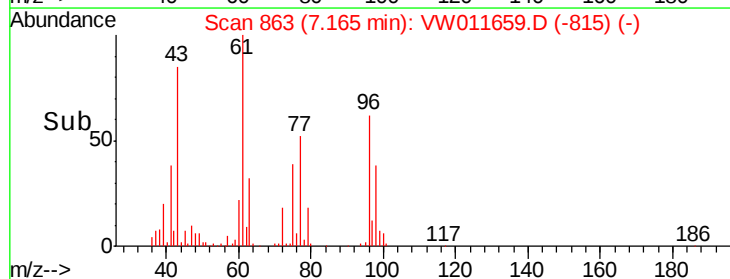
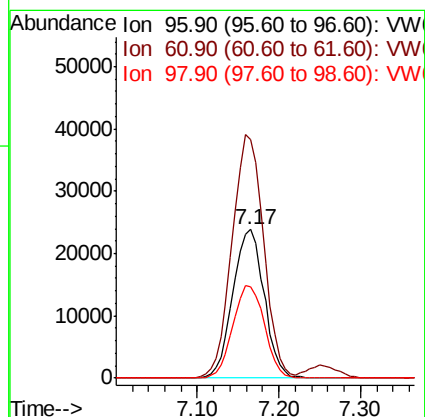
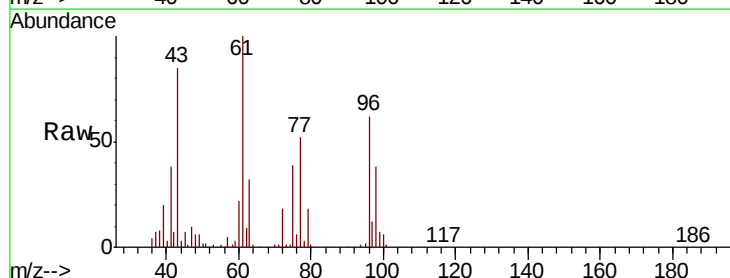
Tgt Ion: 96 Resp: 63157

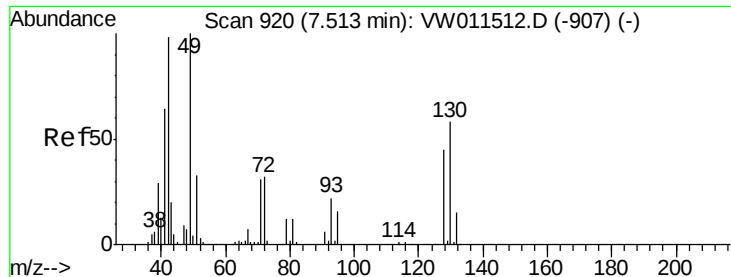
Ion Ratio Lower Upper

96 100

61 165.4 0.0 328.4

98 63.2 0.0 128.8

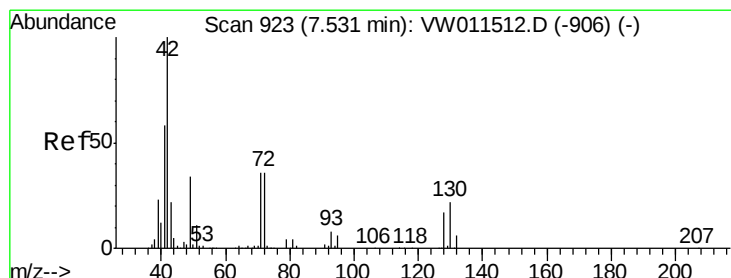
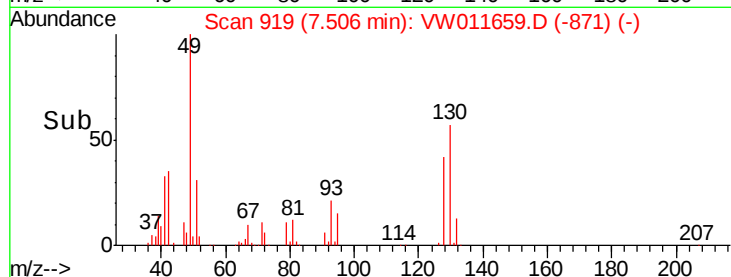
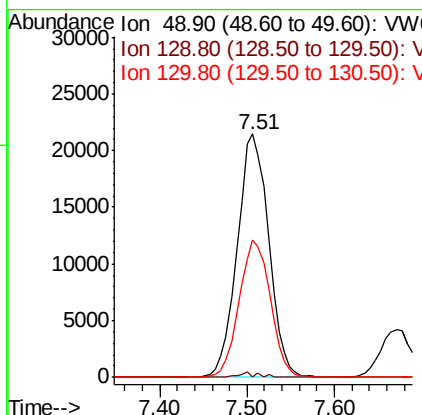
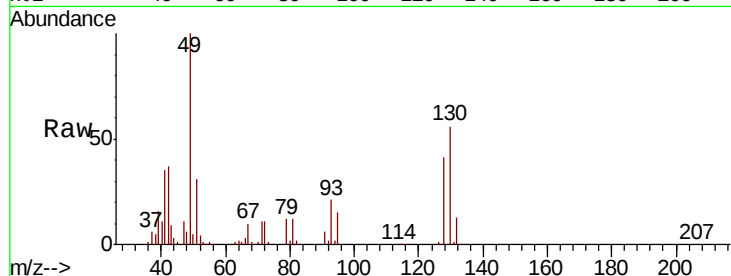




#28
Bromochloromethane
Concen: 21.243 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

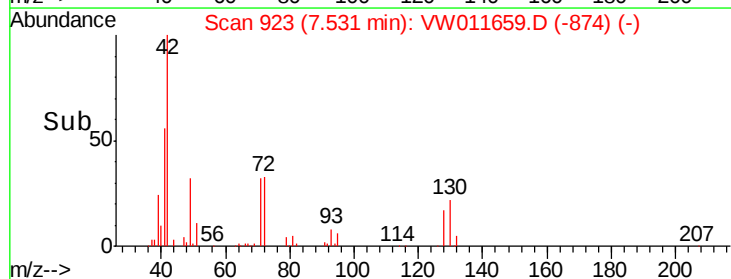
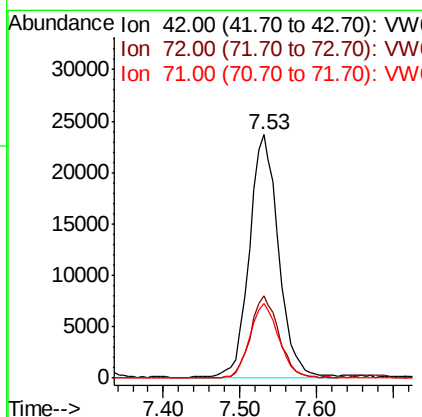
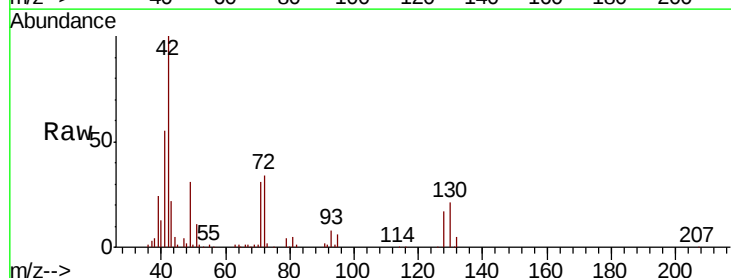
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

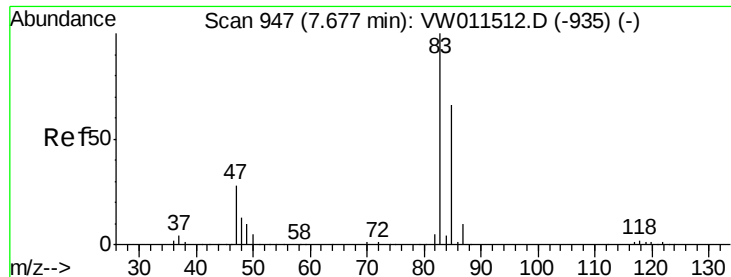
Tgt Ion: 49 Resp: 53797
Ion Ratio Lower Upper
49 100
129 1.2 0.0 1.0#
130 56.1 46.3 69.5



#29
Tetrahydrofuran
Concen: 91.223 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 42 Resp: 63576
Ion Ratio Lower Upper
42 100
72 32.6 27.1 40.7
71 30.3 26.2 39.4

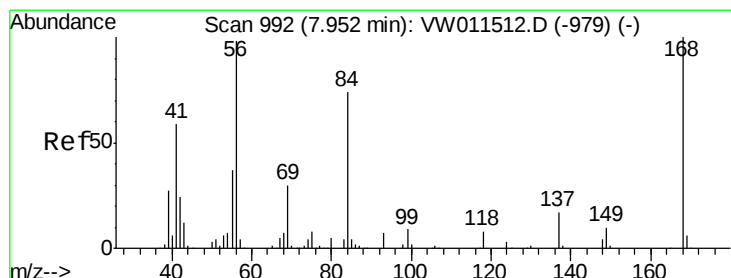
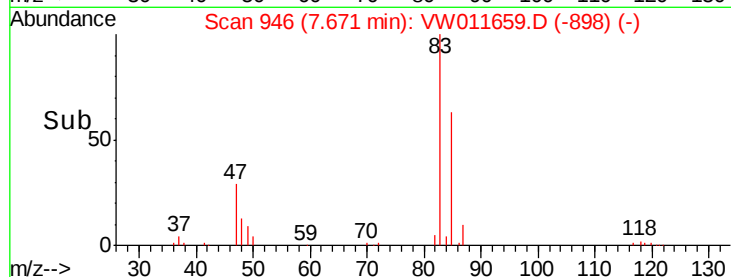
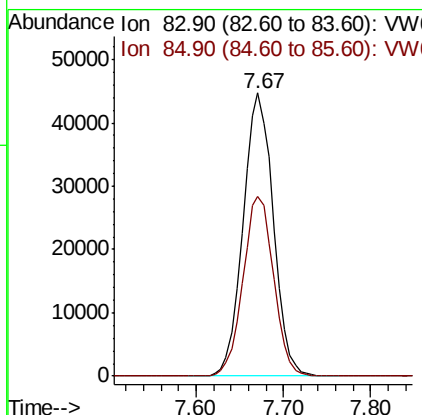
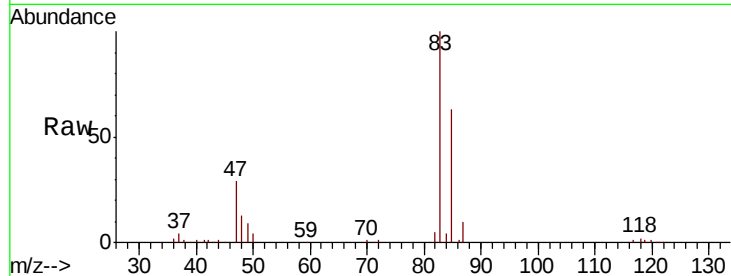




#30
Chloroform
Concen: 20.351 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

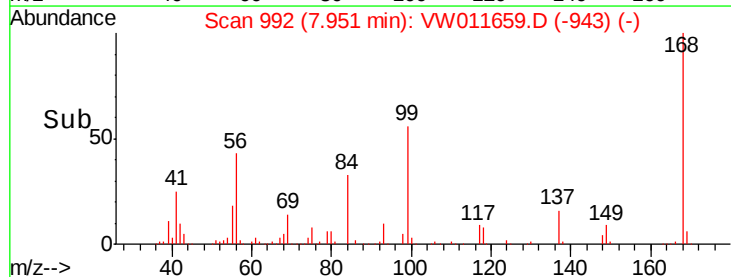
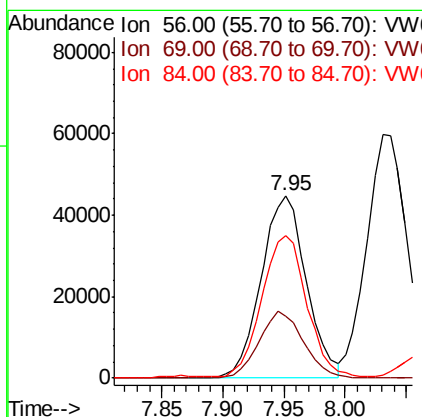
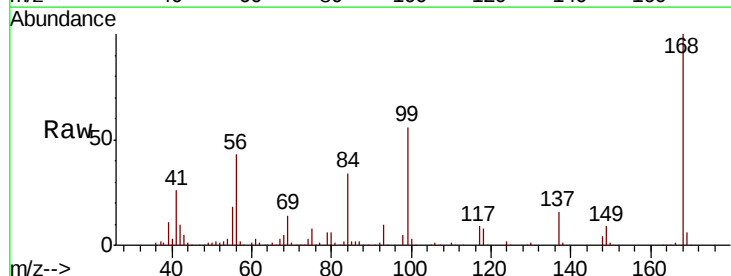
Instrument :
MSVOA_W
ClientSampled :
VW0804SBS01

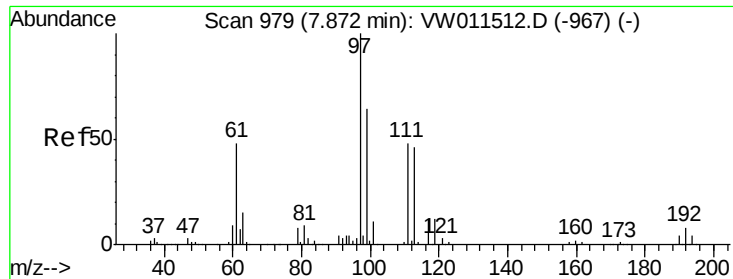
Tgt Ion: 83 Resp: 107123
Ion Ratio Lower Upper
83 100
85 63.4 52.5 78.7



#31
Cyclohexane
Concen: 20.945 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 56 Resp: 114713
Ion Ratio Lower Upper
56 100
69 33.4 24.3 36.5
84 76.8 60.4 90.6

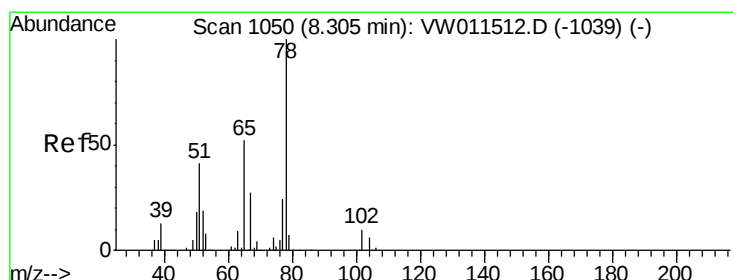
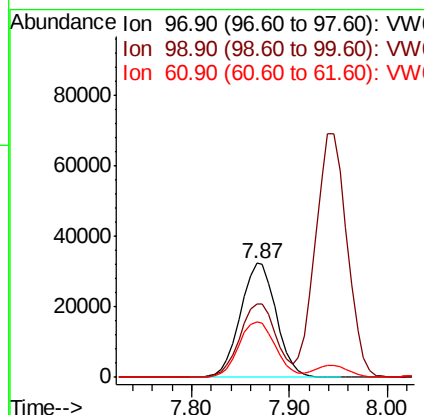
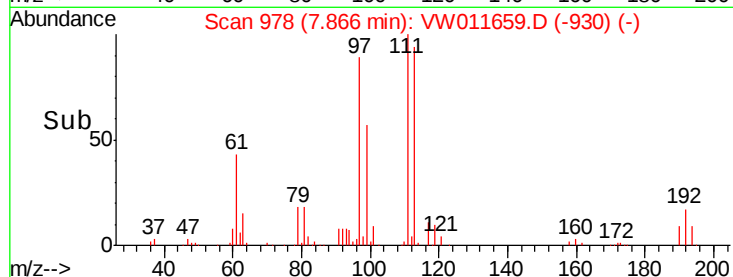
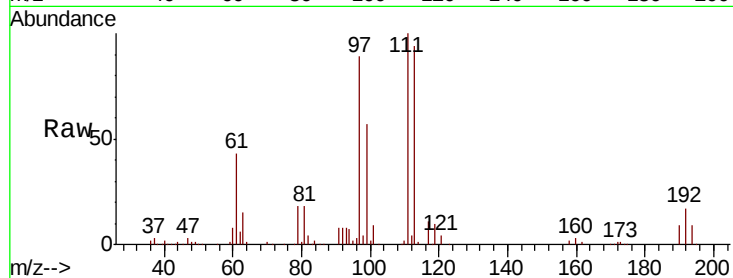




#32
 1,1,1-Trichloroethane
 Concen: 20.523 ug/l
 RT: 7.87 min Scan# 978
 Delta R.T. -0.01 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

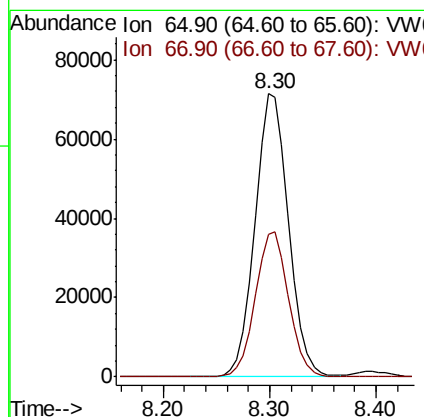
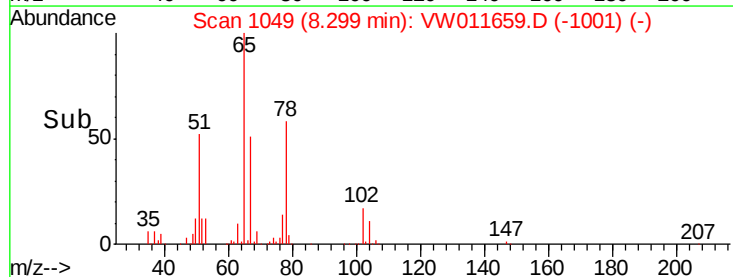
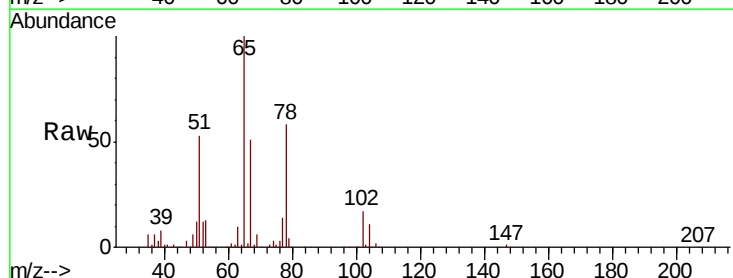
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

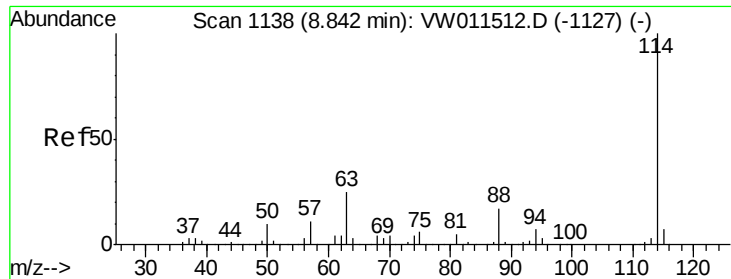
Tgt Ion: 97 Resp: 82270
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.0 76.6
 61 50.0 39.8 59.6



#33
 1,2-Dichloroethane-d4
 Concen: 53.792 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 65 Resp: 157566
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.2

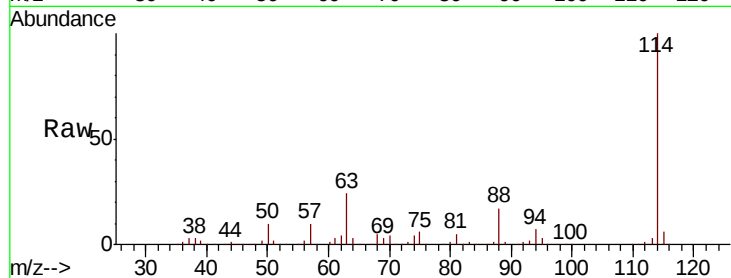




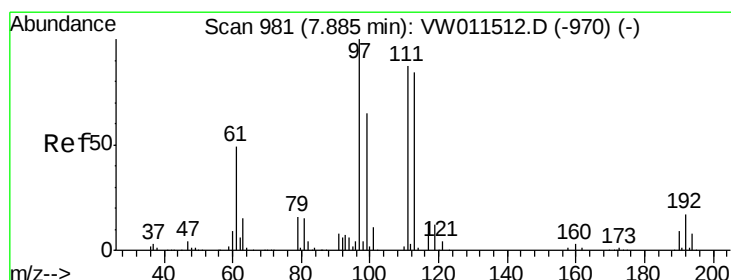
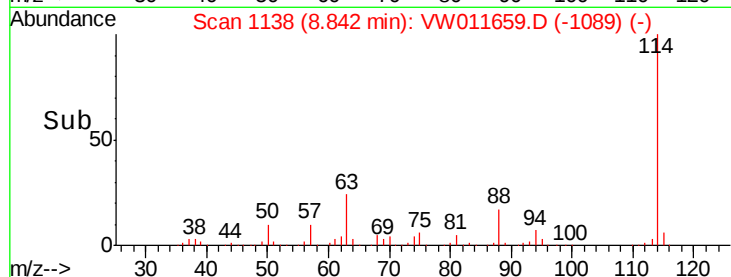
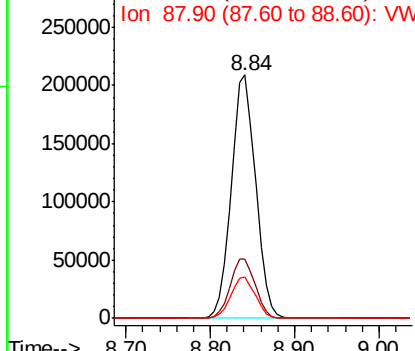
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

Tgt Ion:114 Resp: 407684
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.2
 88 16.9 0.0 33.8

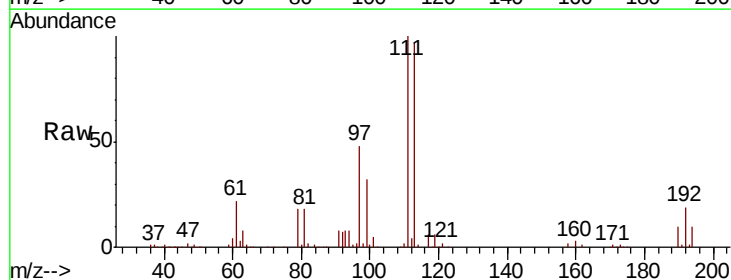


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

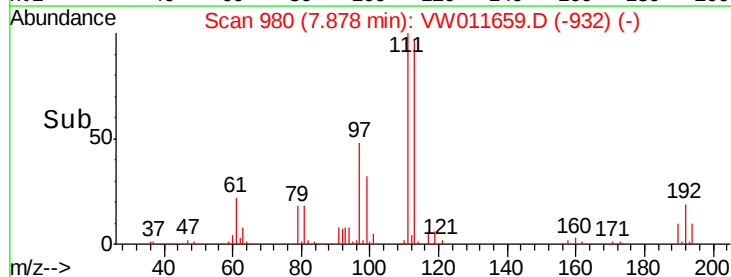
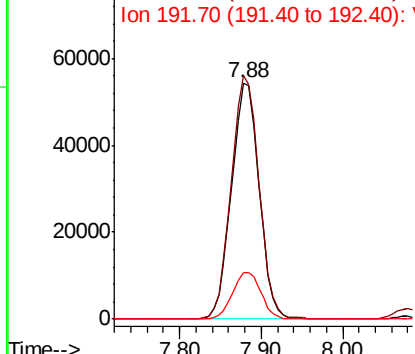


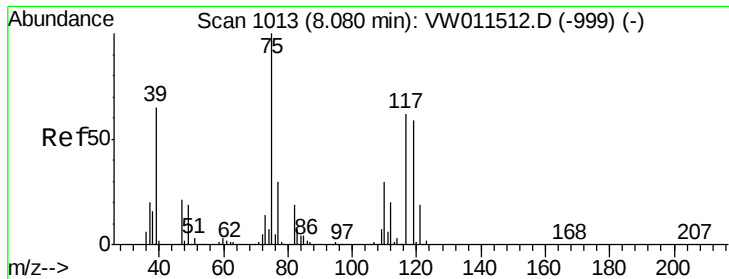
#35
 Dibromofluoromethane
 Concen: 55.463 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion:113 Resp: 126853
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.7 124.1
 192 20.4 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

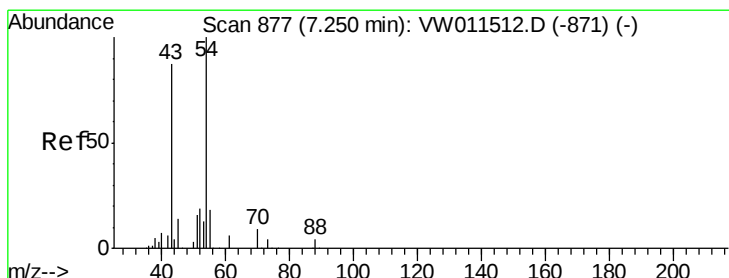
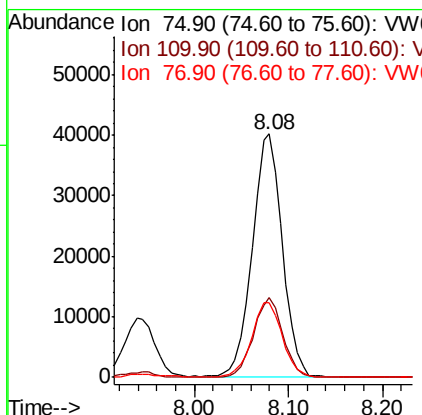
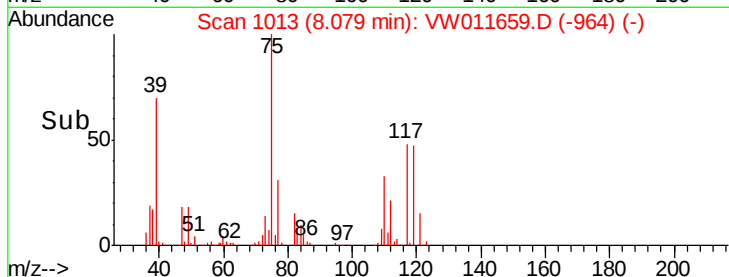
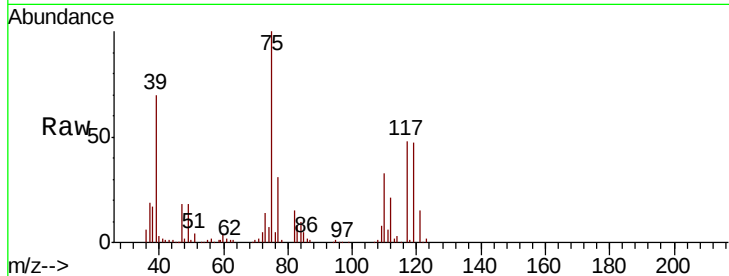




#36
 1,1-Dichloropropene
 Concen: 21.147 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

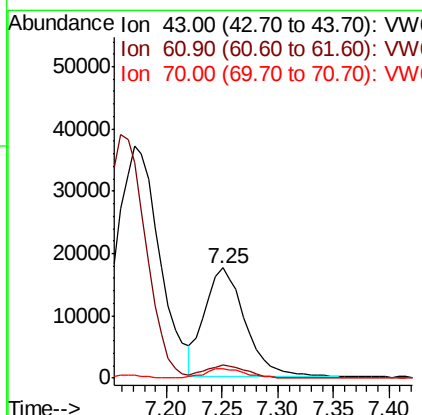
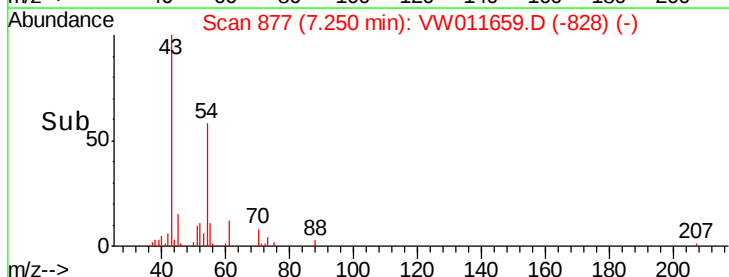
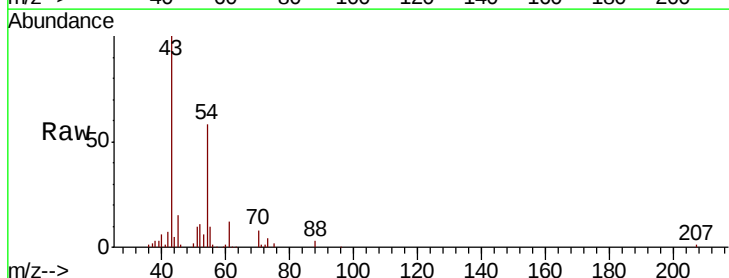
Instrument :
 MSVOA_W
 ClientSampleID :
 VW0804SBS01

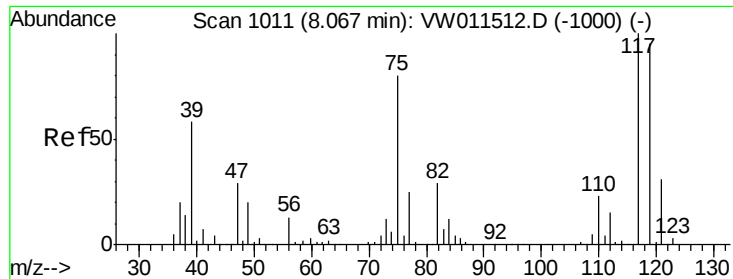
Tgt Ion: 75 Resp: 89646
 Ion Ratio Lower Upper
 75 100
 110 31.9 15.6 46.8
 77 31.4 24.3 36.5



#37
 Ethyl Acetate
 Concen: 18.143 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 43 Resp: 44248
 Ion Ratio Lower Upper
 43 100
 61 11.7 8.8 13.2
 70 8.6 7.1 10.7

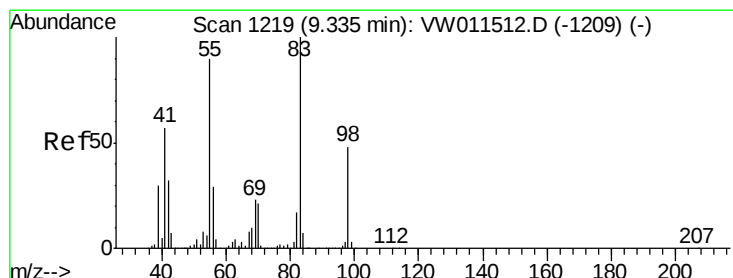
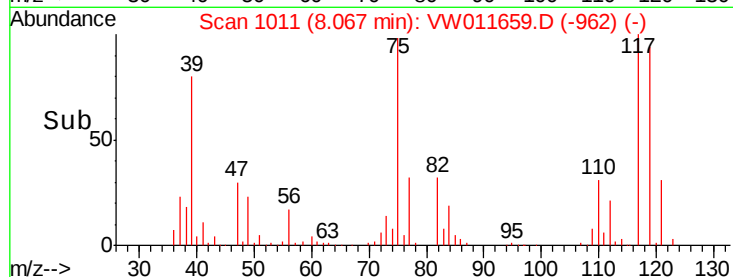
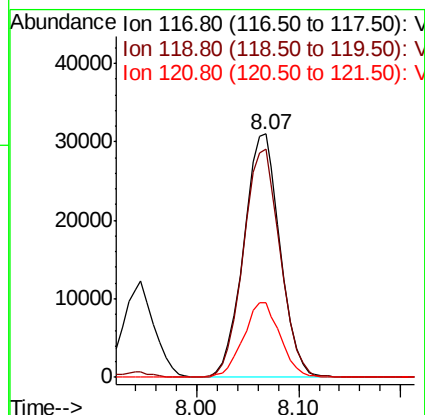
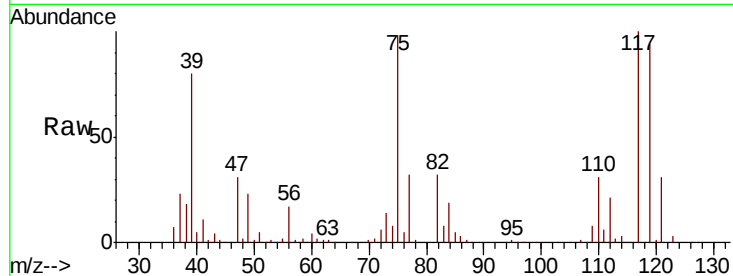




#38
Carbon Tetrachloride
Concen: 21.144 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

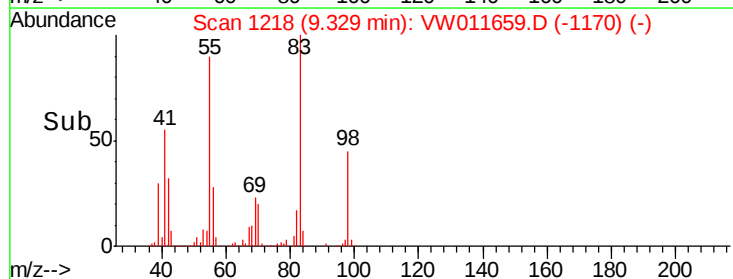
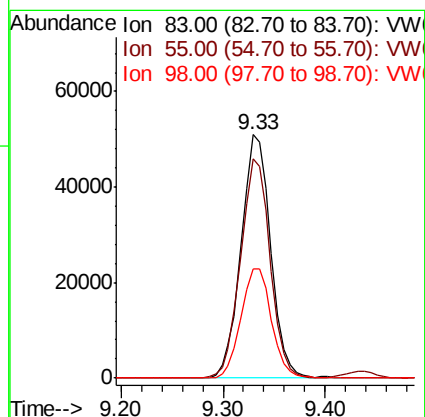
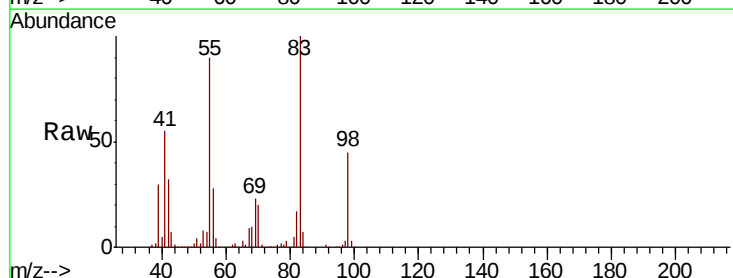
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

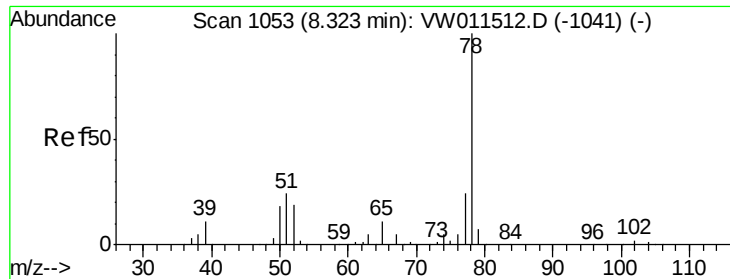
Tgt Ion: 117 Resp: 76732
Ion Ratio Lower Upper
117 100
119 93.5 75.8 113.6
121 30.9 24.7 37.1



#39
Methylcyclohexane
Concen: 21.997 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 83 Resp: 102676
Ion Ratio Lower Upper
83 100
55 90.0 72.1 108.1
98 44.7 38.6 57.8





#40

Benzene

Concen: 20.853 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

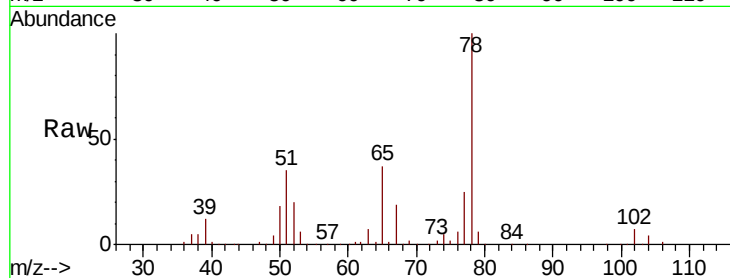
VW0804SBS01

Tgt Ion: 78 Resp: 247611

Ion Ratio Lower Upper

78 100

77 24.7 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

120000

100000

80000

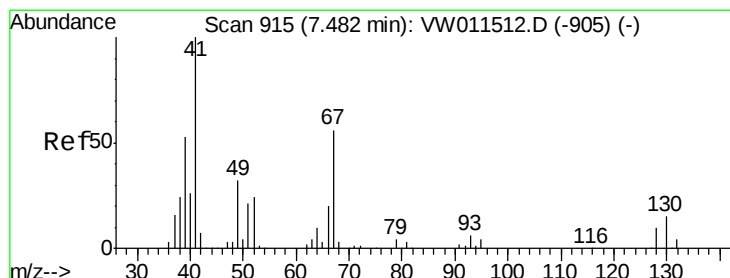
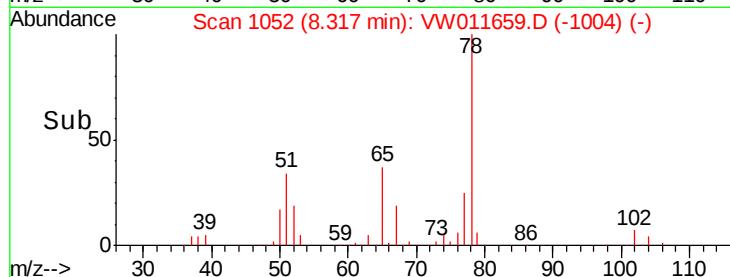
60000

40000

20000

0

Time-->



#41

Methacrylonitrile

Concen: 18.123 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Tgt Ion: 41 Resp: 26422

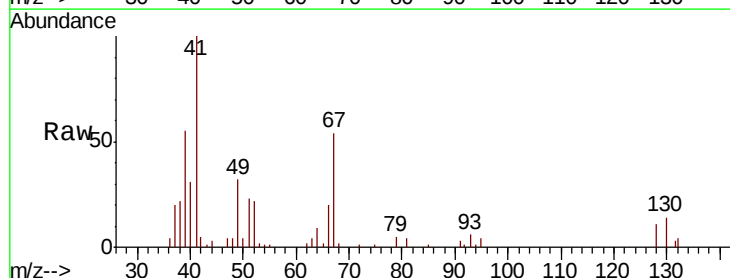
Ion Ratio Lower Upper

41 100

39 57.4 43.0 64.4

67 58.0 47.5 71.3

52 26.9 21.0 31.6



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

20000

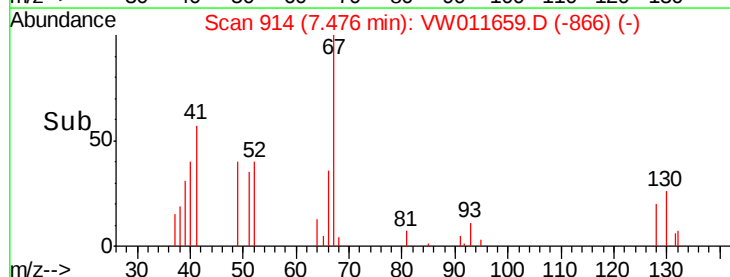
15000

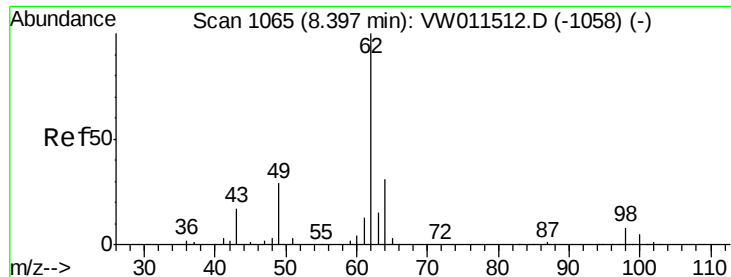
10000

5000

0

Time-->





#42

1,2-Dichloroethane

Concen: 20.610 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

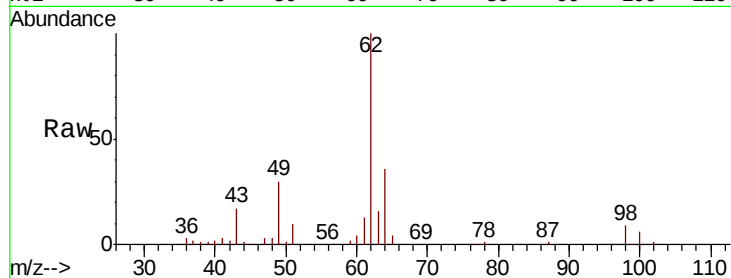
VW0804SBS01

Tgt Ion: 62 Resp: 76621

Ion Ratio Lower Upper

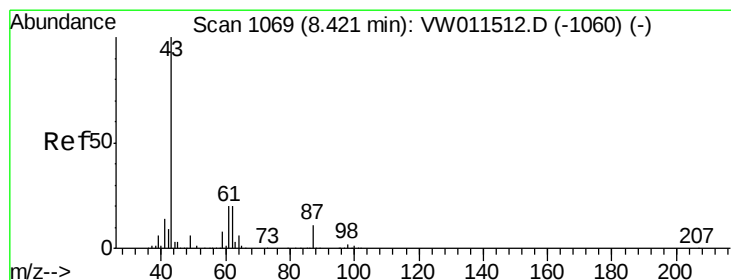
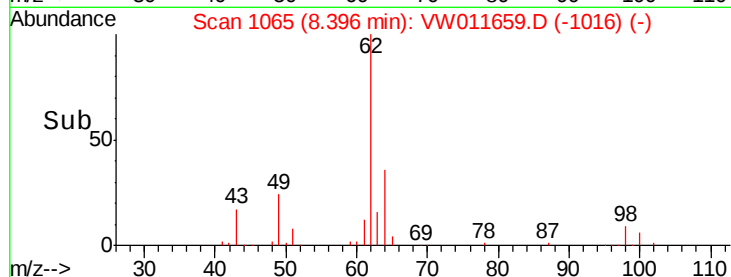
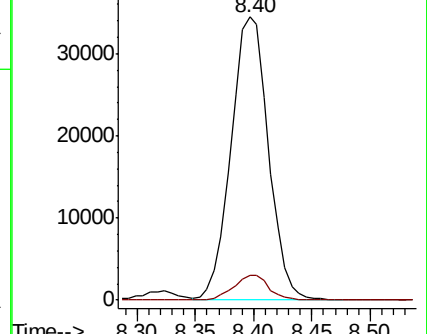
62 100

98 8.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 18.506 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

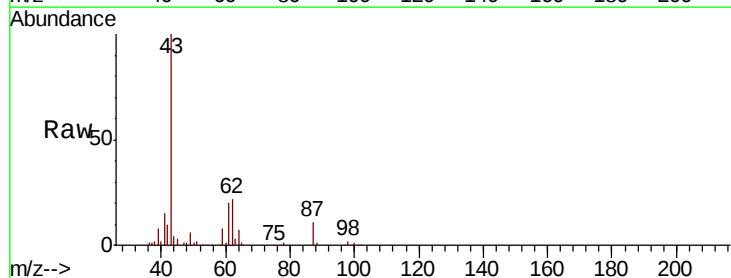
Tgt Ion: 43 Resp: 83004

Ion Ratio Lower Upper

43 100

61 27.2 21.5 32.3

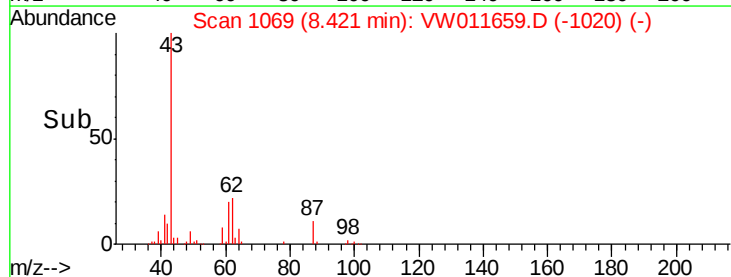
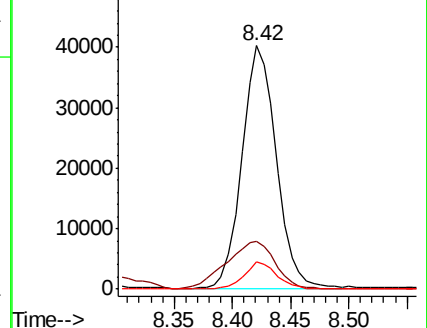
87 10.4 8.4 12.6

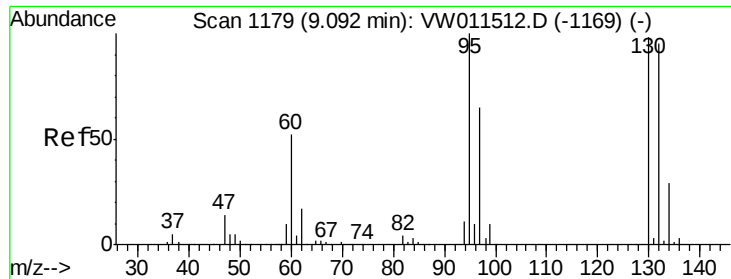


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

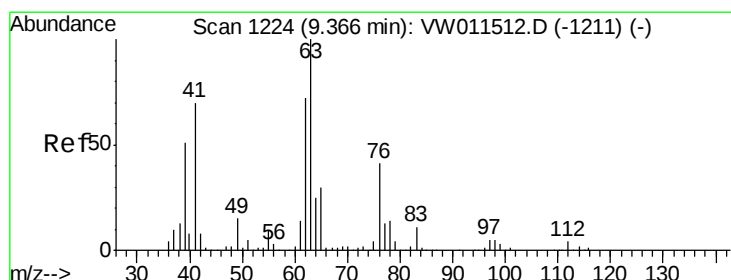
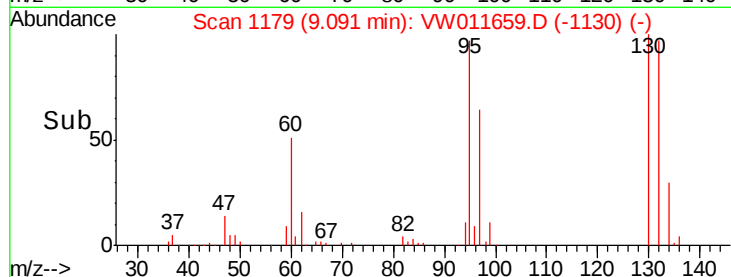
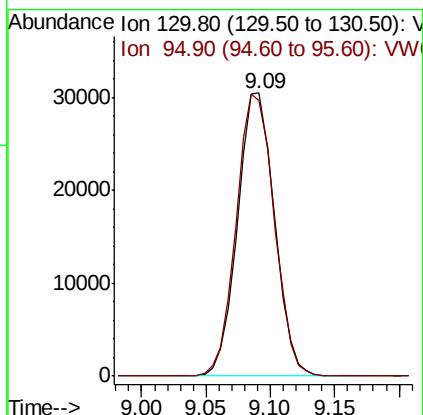
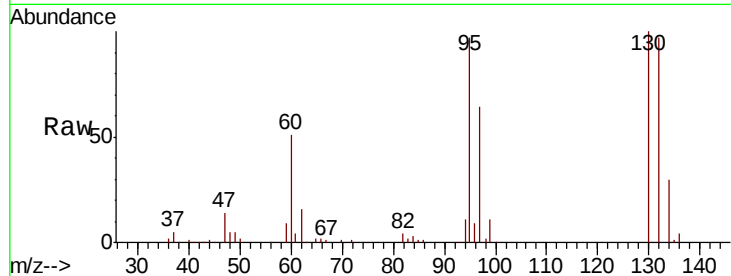




#44
 Trichloroethene
 Concen: 21.199 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

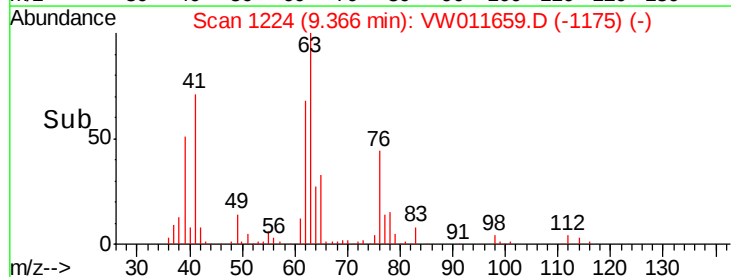
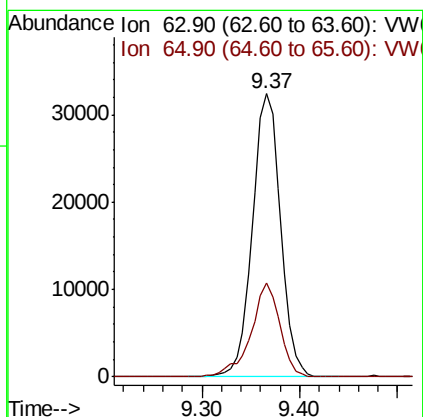
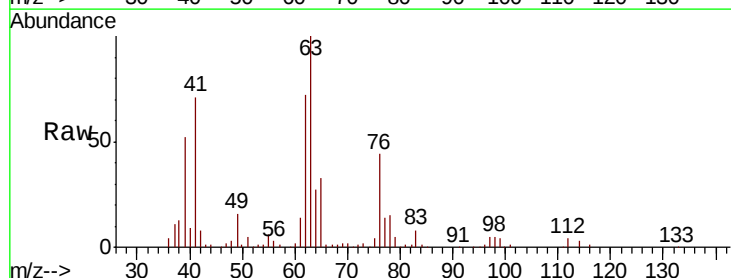
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

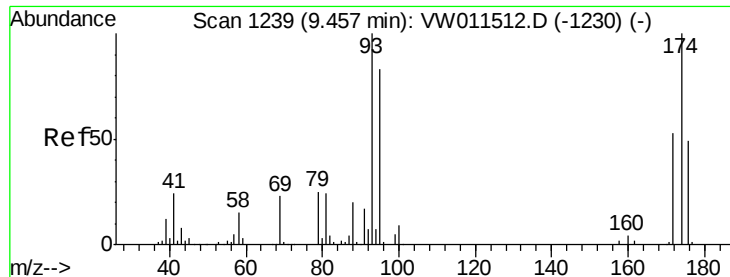
Tgt Ion: 130 Resp: 60500
 Ion Ratio Lower Upper
 130 100
 95 96.9 0.0 204.8



#45
 1,2-Dichloropropane
 Concen: 20.511 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 63 Resp: 65167
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.2 36.4





#46

Dibromomethane

Concen: 19.672 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

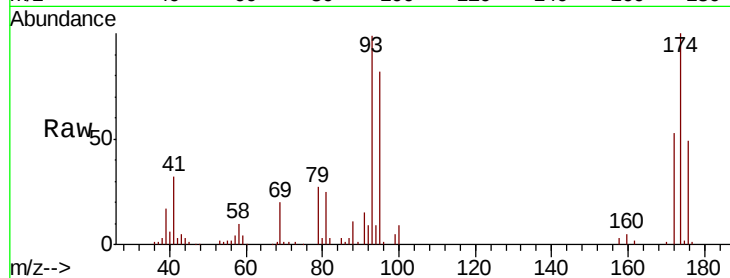
Tgt Ion: 93 Resp: 28526

Ion Ratio Lower Upper

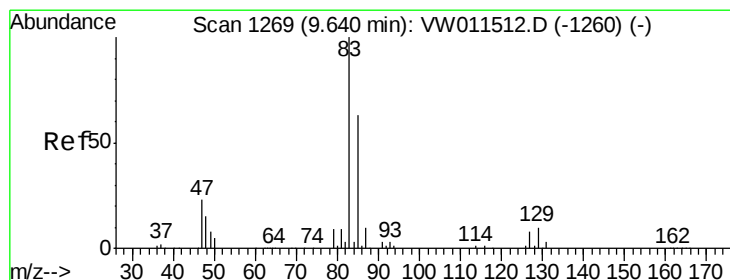
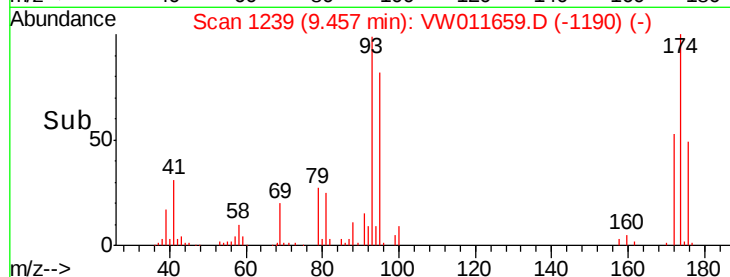
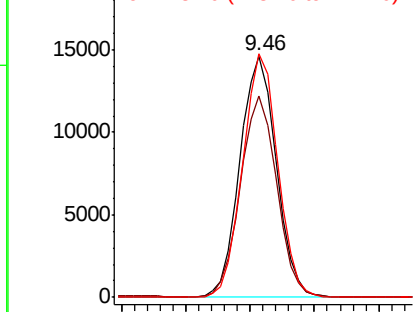
93 100

95 83.7 66.2 99.2

174 97.6 78.2 117.4



Abundance Ion 92.80 (92.50 to 93.50): VW
Ion 94.80 (94.50 to 95.50): VW
Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 19.654 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

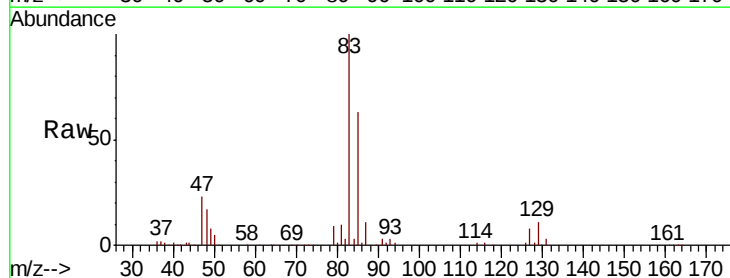
Tgt Ion: 83 Resp: 74760

Ion Ratio Lower Upper

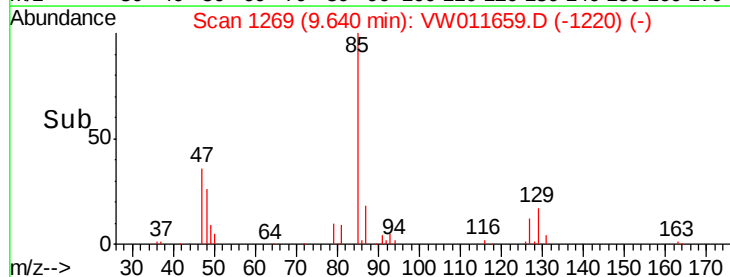
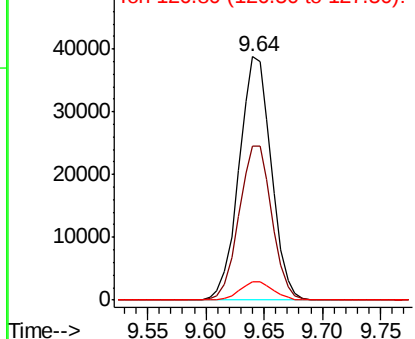
83 100

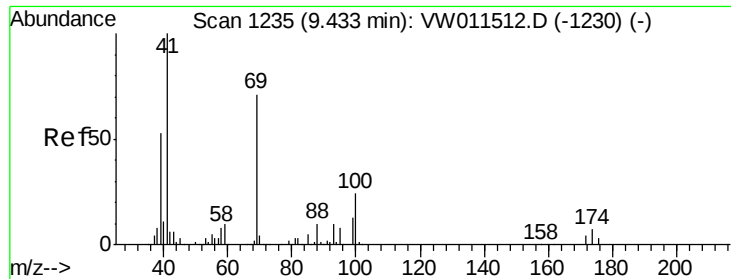
85 63.1 50.5 75.7

127 7.8 6.4 9.6



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

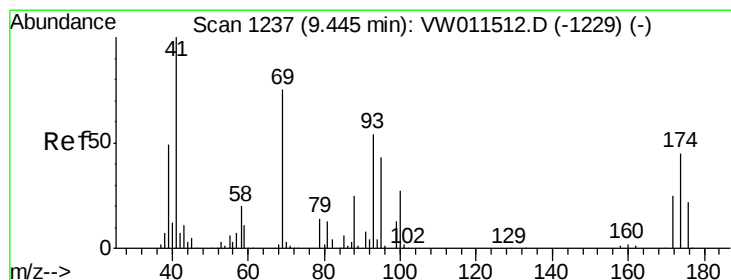
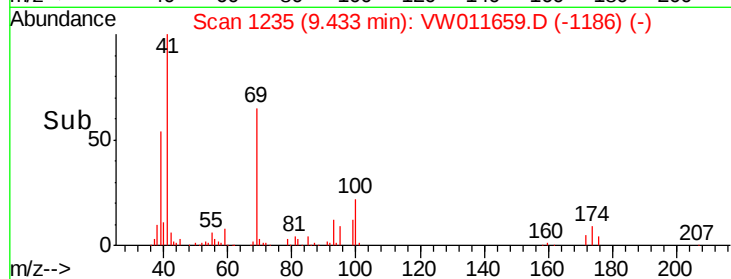
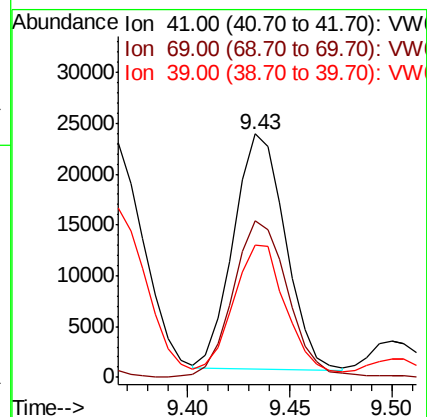
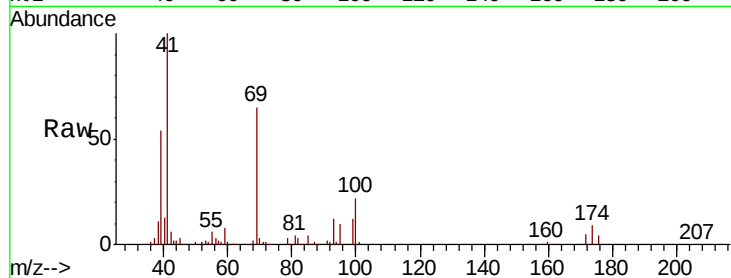




#48
Methyl methacrylate
Concen: 18.953 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

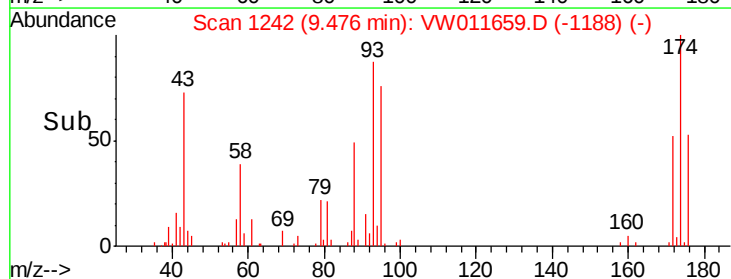
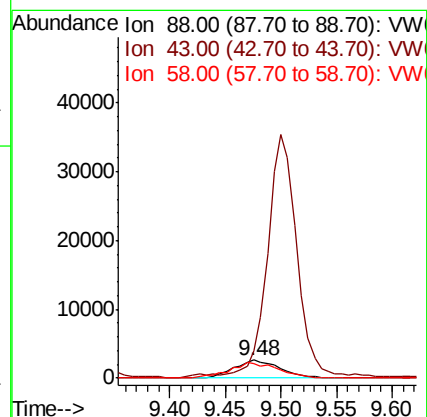
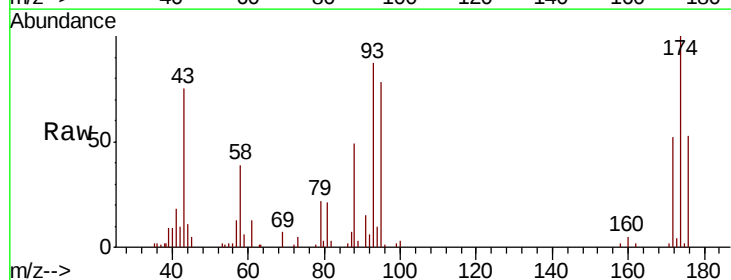
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

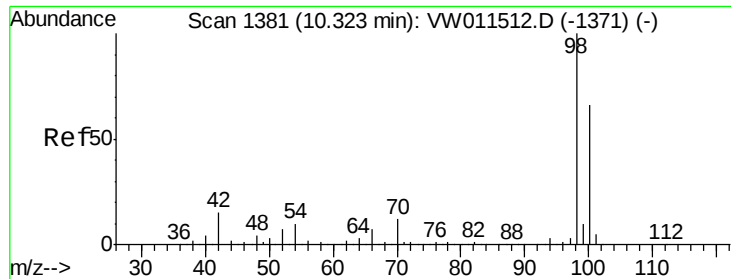
Tgt Ion: 41 Resp: 40836
Ion Ratio Lower Upper
41 100
69 69.9 57.1 85.7
39 53.3 45.4 68.2



#49
1,4-Dioxane
Concen: 358.488 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.03 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 88 Resp: 7527
Ion Ratio Lower Upper
88 100
43 0.0 34.0 51.0#
58 92.5 69.7 104.5





#50

Toluene-d8

Concen: 56.712 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

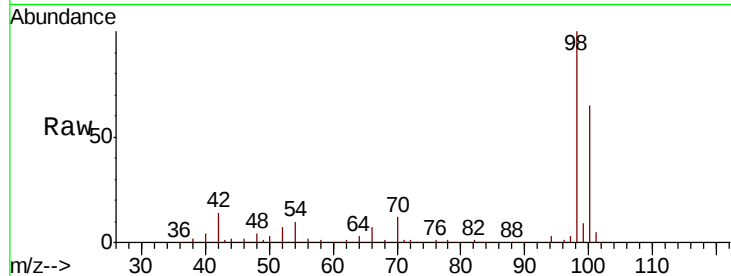
VW0804SBS01

Tgt Ion: 98 Resp: 531072

Ion Ratio Lower Upper

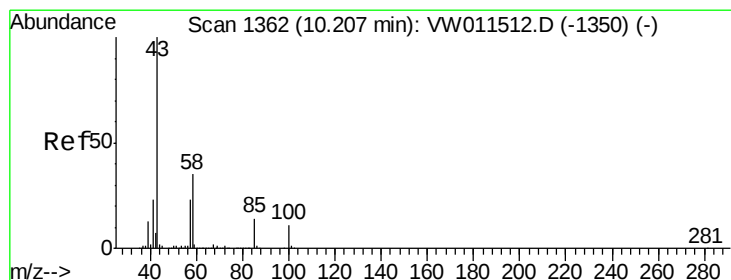
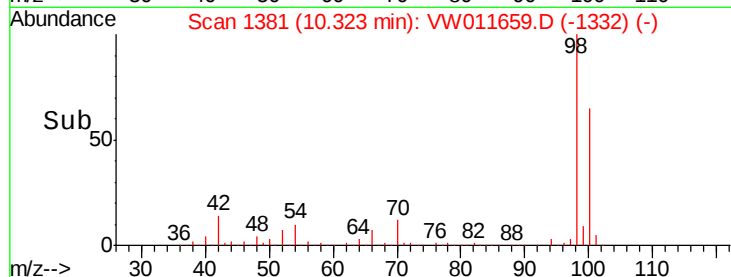
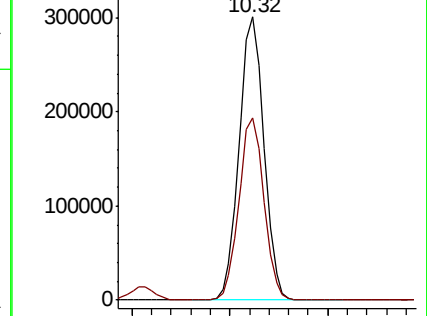
98 100

100 64.8 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 91.679 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011659.D

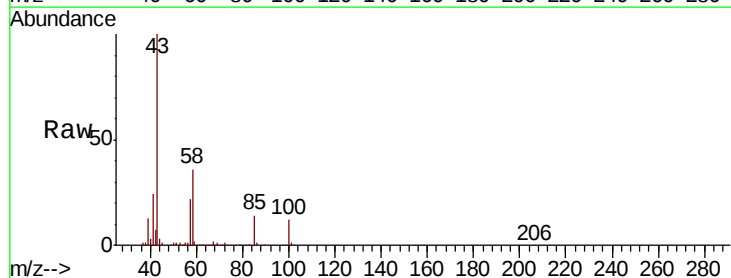
Acq: 03 Aug 2019 12:21

Tgt Ion: 43 Resp: 213891

Ion Ratio Lower Upper

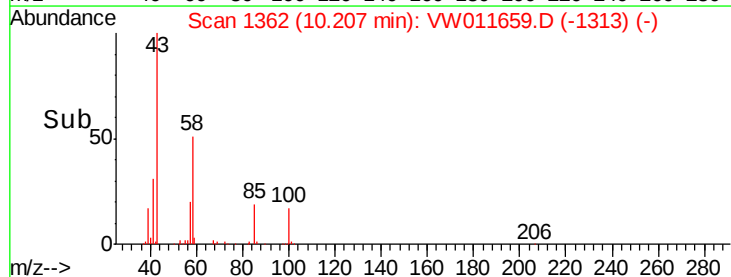
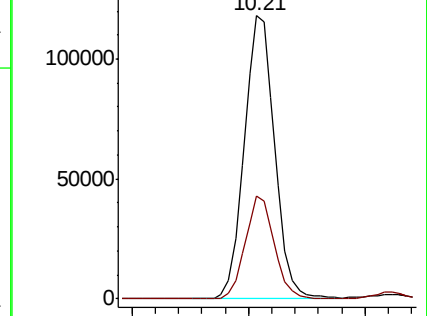
43 100

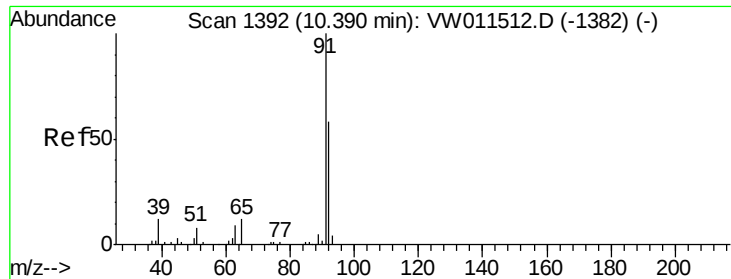
58 35.0 28.2 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#52

Toluene

Concen: 21.105 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

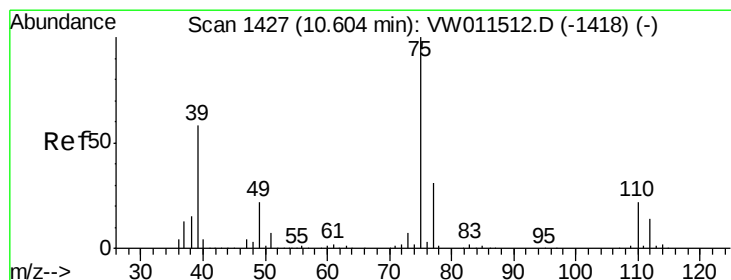
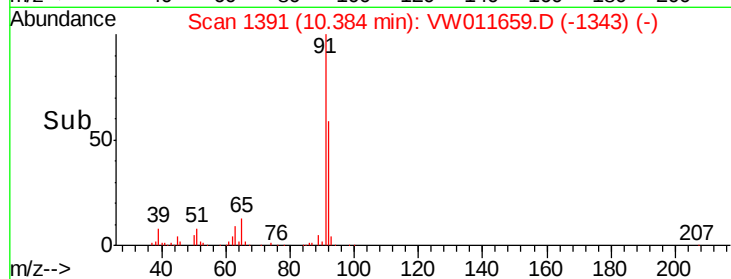
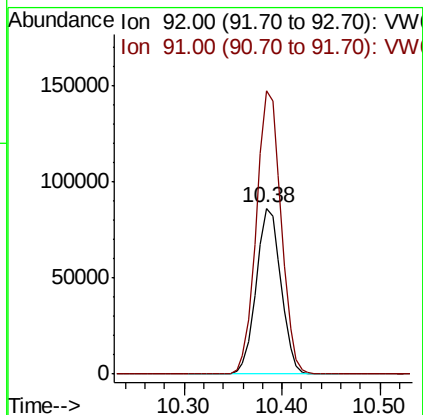
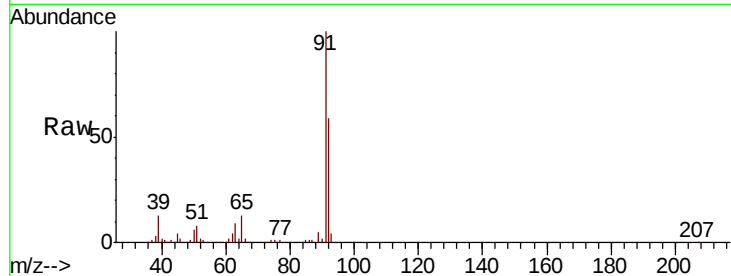
VW0804SBS01

Tgt Ion: 92 Resp: 151340

Ion Ratio Lower Upper

92 100

91 171.2 136.7 205.1



#53

t-1,3-Dichloropropene

Concen: 19.174 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011659.D

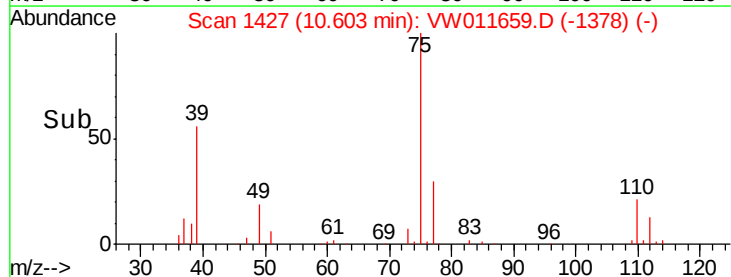
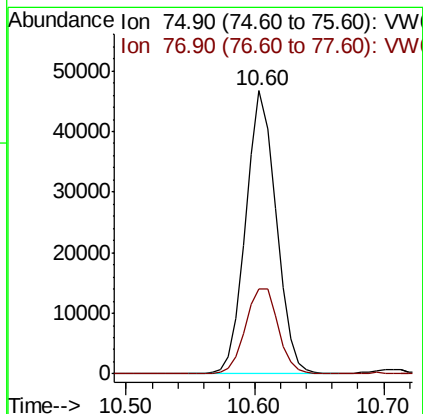
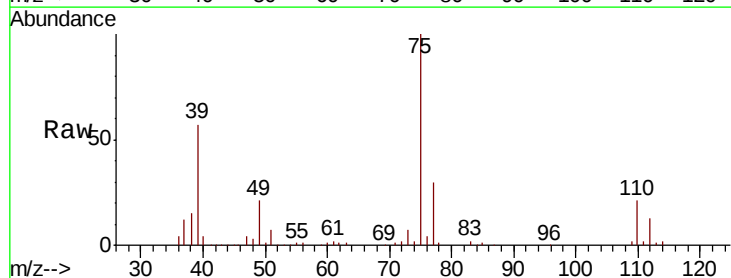
Acq: 03 Aug 2019 12:21

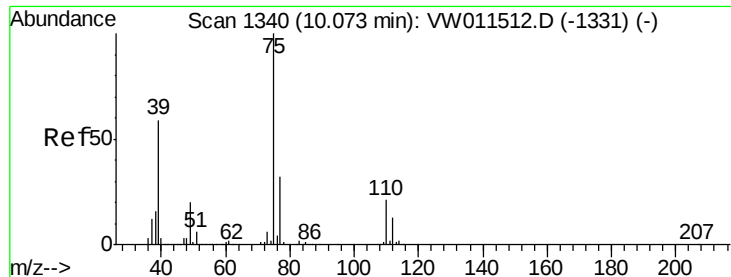
Tgt Ion: 75 Resp: 76188

Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.4





#54

cis-1,3-Dichloropropene

Concen: 20.023 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

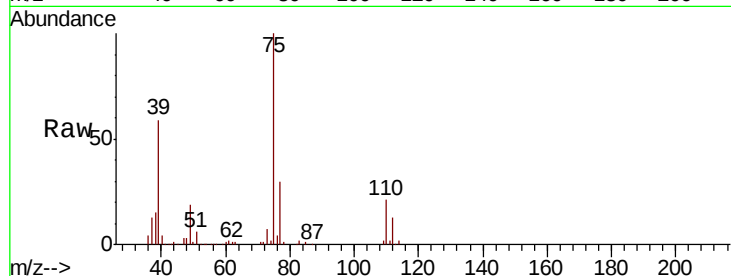
Tgt Ion: 75 Resp: 94600

Ion Ratio Lower Upper

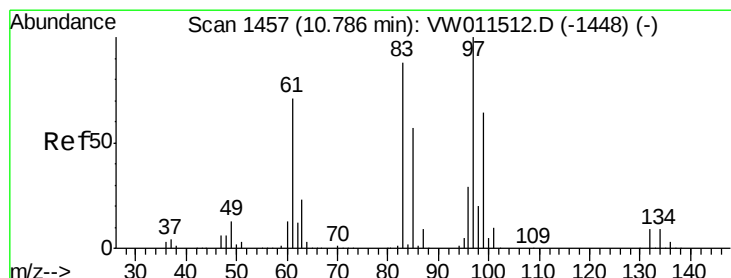
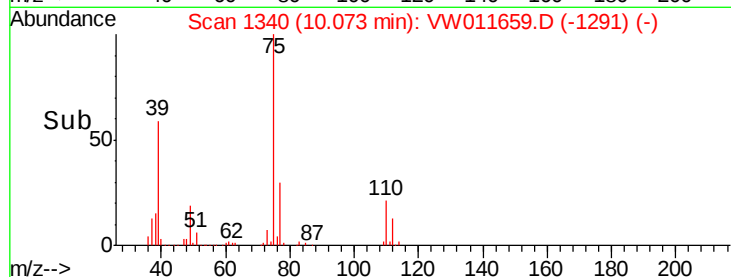
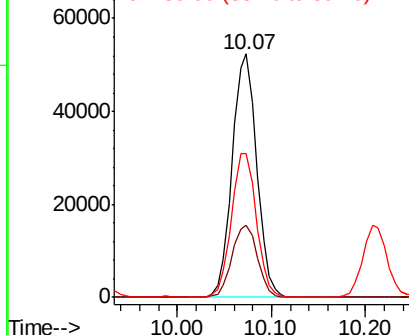
75 100

77 29.8 25.6 38.4

39 59.1 47.0 70.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 76.90 (76.60 to 77.60): VW
Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 19.946 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Tgt Ion: 97 Resp: 41038

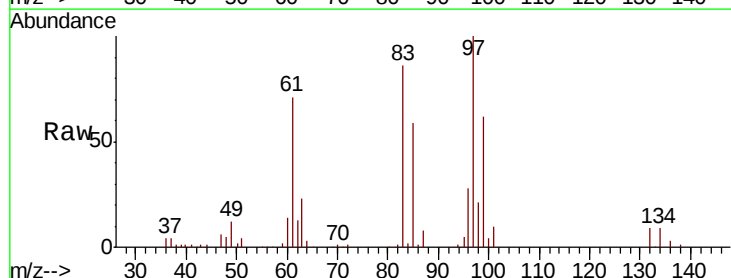
Ion Ratio Lower Upper

97 100

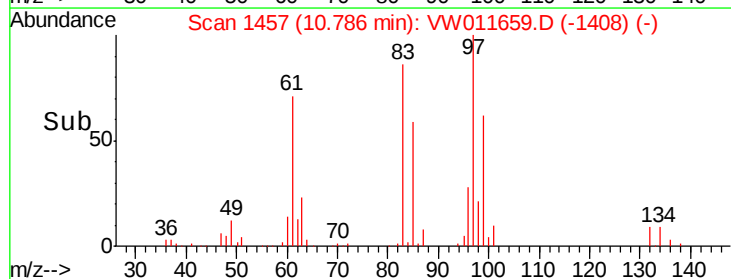
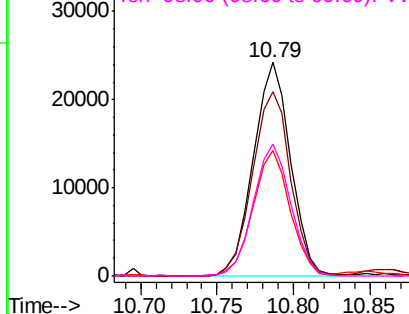
83 86.1 70.5 105.7

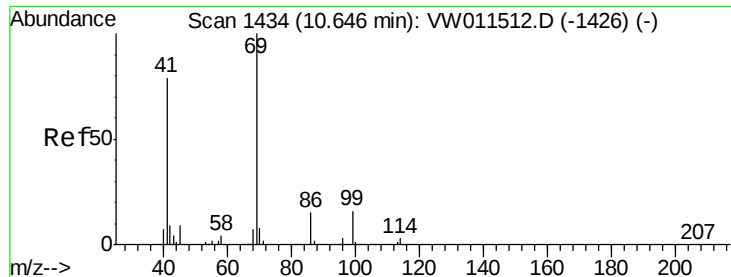
85 59.0 45.8 68.6

99 61.9 51.0 76.4



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: 19.052 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

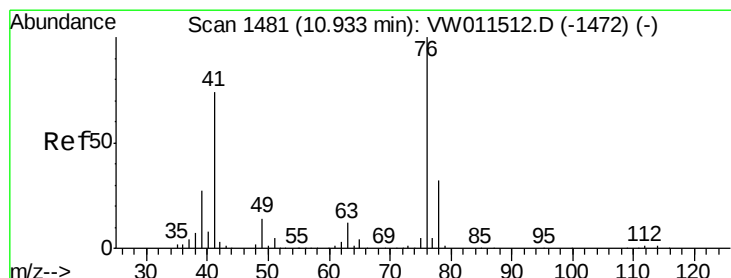
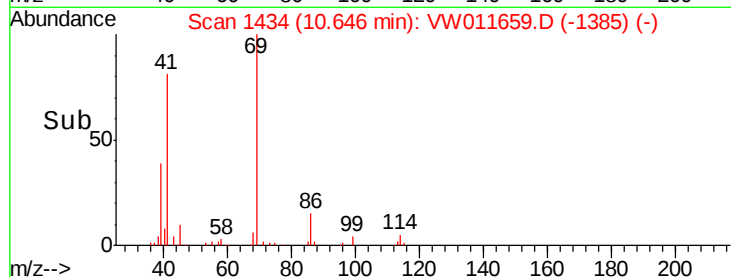
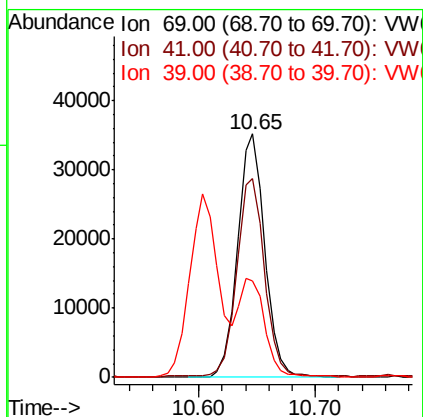
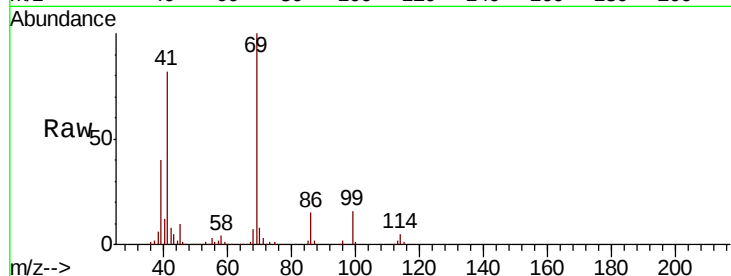
Tgt Ion: 69 Resp: 57362

Ion Ratio Lower Upper

69 100

41 83.5 66.6 99.8

39 38.6 30.3 45.5



#57

1,3-Dichloropropane

Concen: 19.767 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011659.D

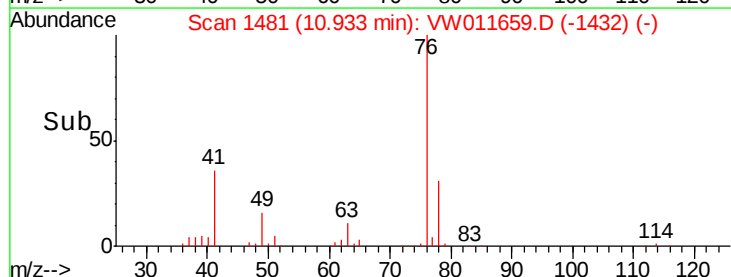
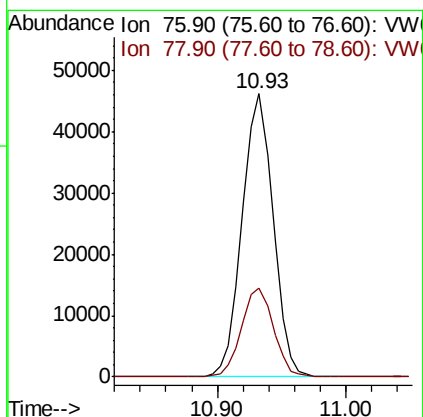
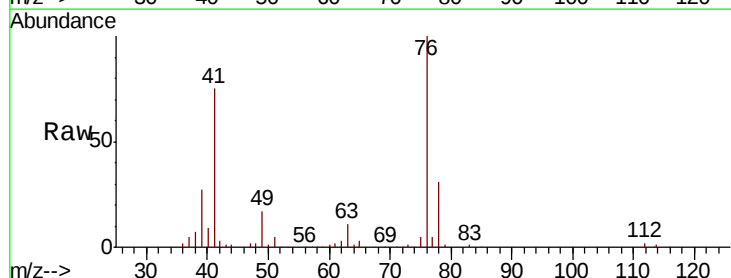
Acq: 03 Aug 2019 12:21

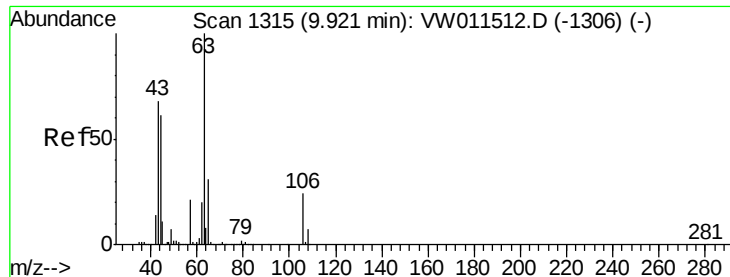
Tgt Ion: 76 Resp: 76943

Ion Ratio Lower Upper

76 100

78 32.5 25.2 37.8

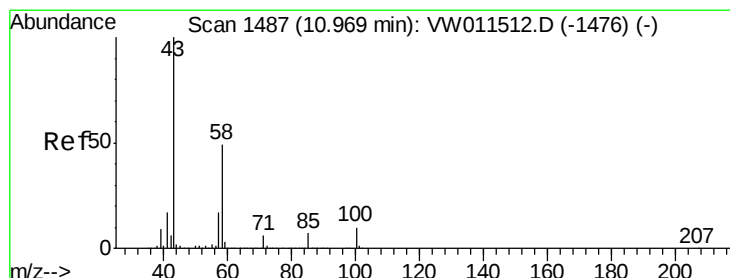
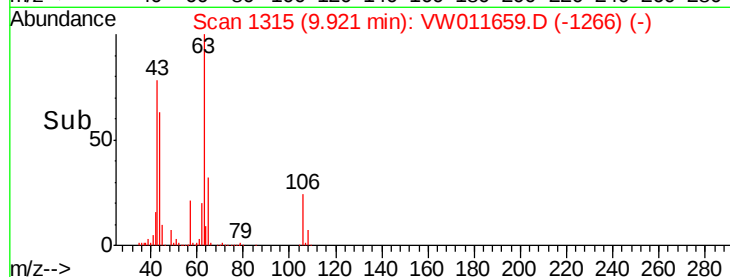
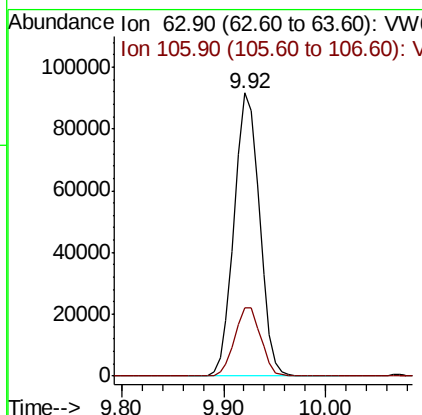
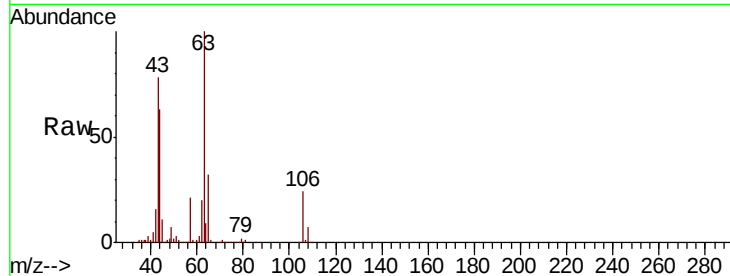




#58
 2-Chloroethyl Vinyl ether
 Concen: 115.407 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

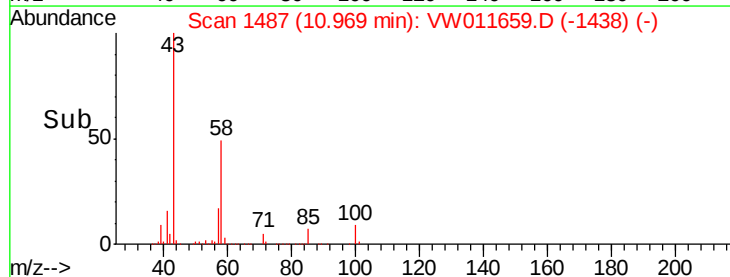
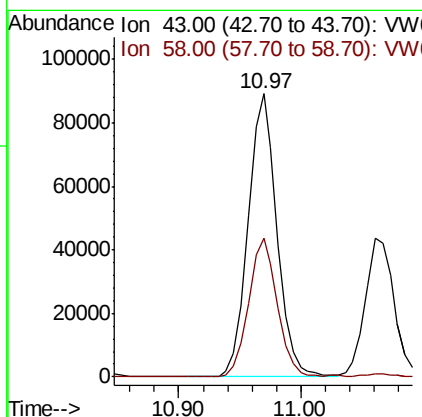
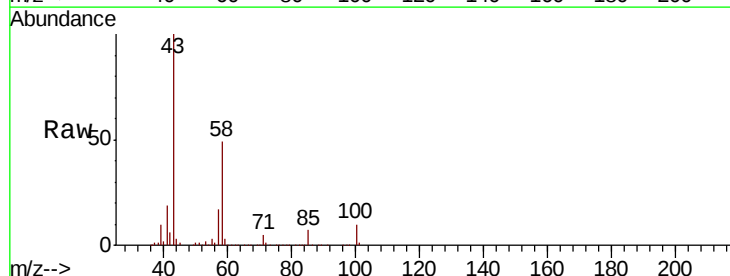
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

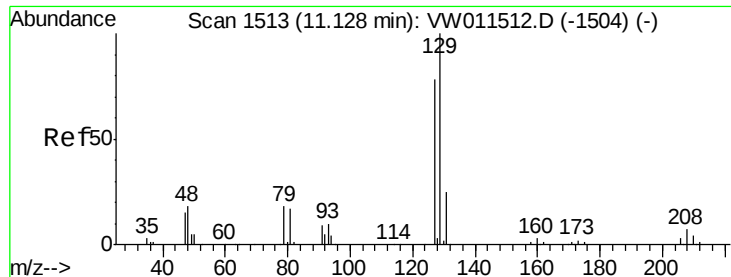
Tgt Ion: 63 Resp: 157761
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.7 29.5



#59
 2-Hexanone
 Concen: 88.554 ug/l
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 43 Resp: 145873
 Ion Ratio Lower Upper
 43 100
 58 49.1 24.3 72.9





#60

Dibromochloromethane

Concen: 19.493 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

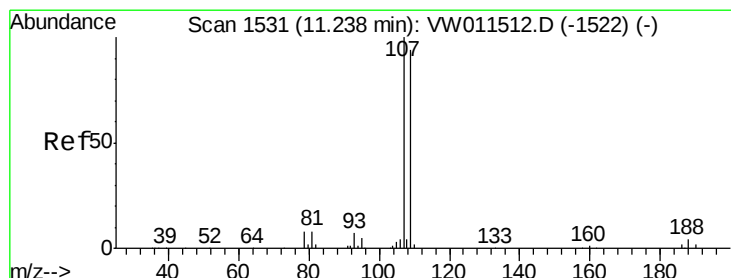
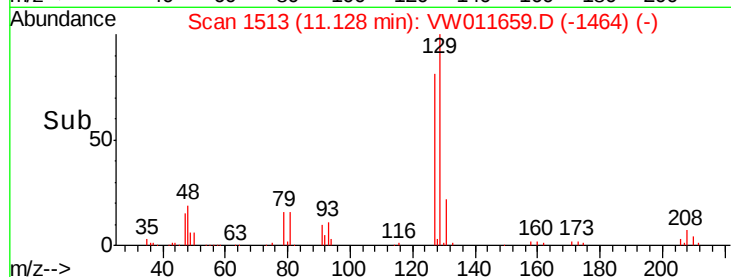
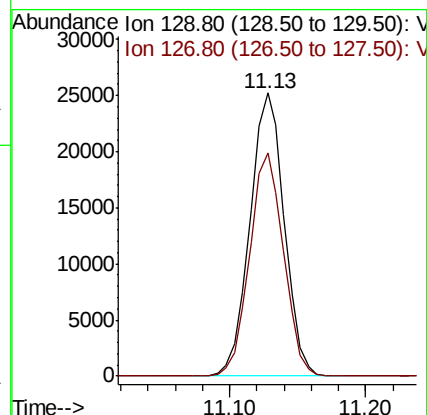
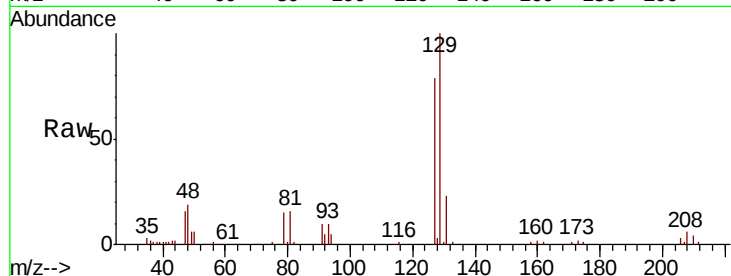
VW0804SBS01

Tgt Ion:129 Resp: 44520

Ion Ratio Lower Upper

129 100

127 78.0 38.9 116.7



#61

1,2-Dibromoethane

Concen: 19.658 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011659.D

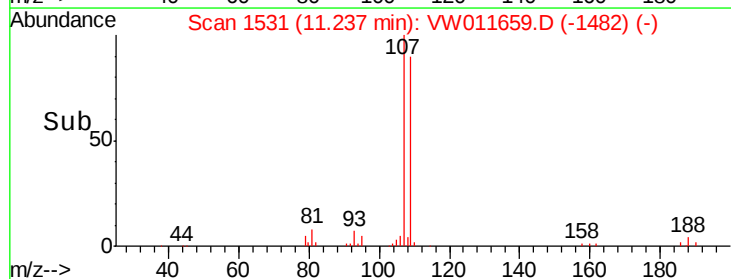
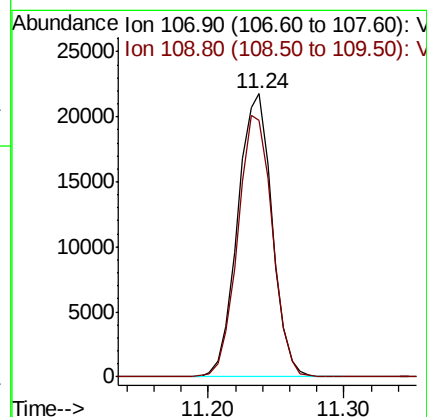
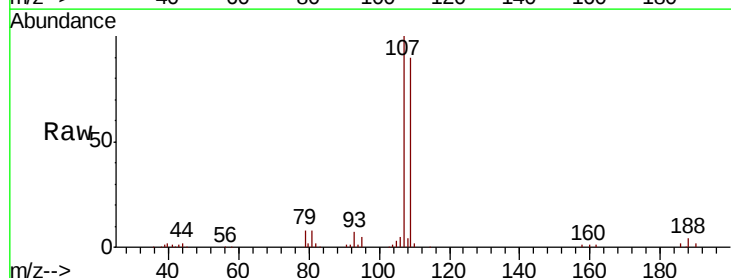
Acq: 03 Aug 2019 12:21

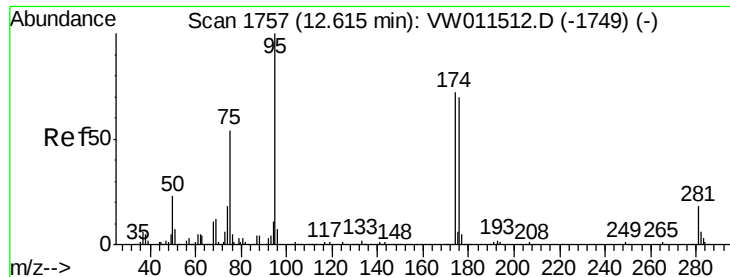
Tgt Ion:107 Resp: 38275

Ion Ratio Lower Upper

107 100

109 93.1 75.0 112.6





#62

4-Bromofluorobenzene

Concen: 55.232 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

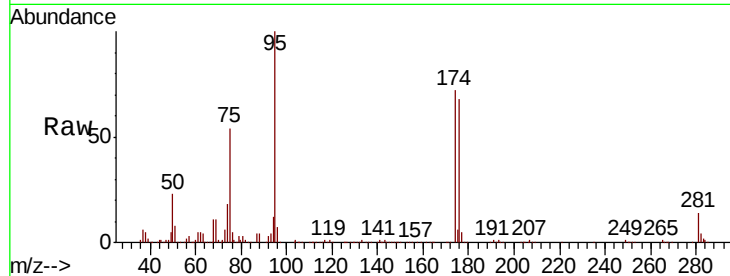
Tgt Ion: 95 Resp: 184397

Ion Ratio Lower Upper

95 100

174 76.4 0.0 150.2

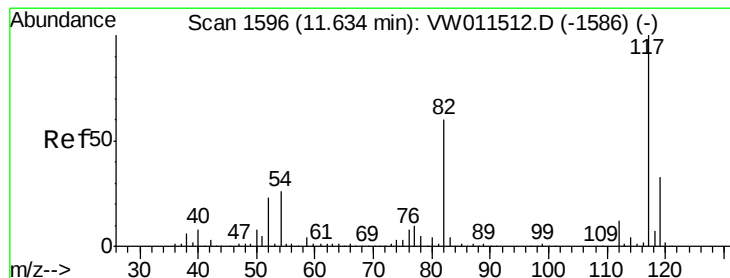
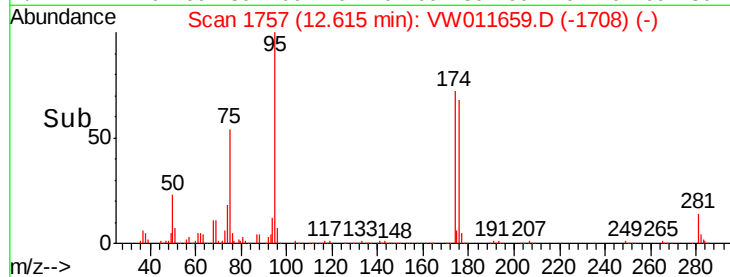
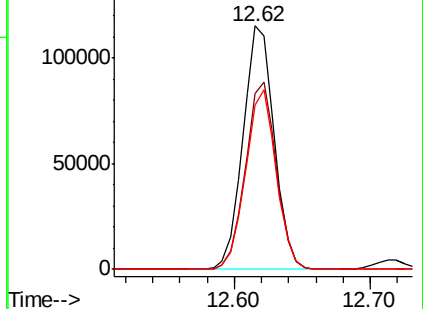
176 72.4 0.0 144.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

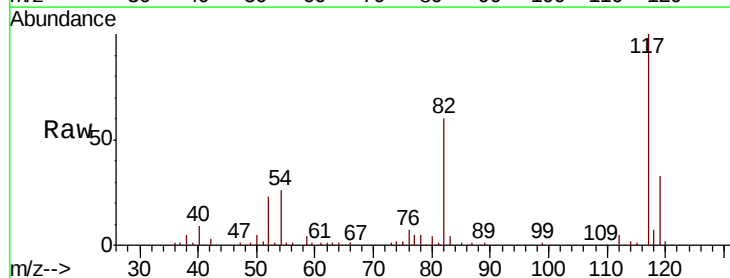
Tgt Ion: 117 Resp: 356492

Ion Ratio Lower Upper

117 100

82 60.2 47.9 71.9

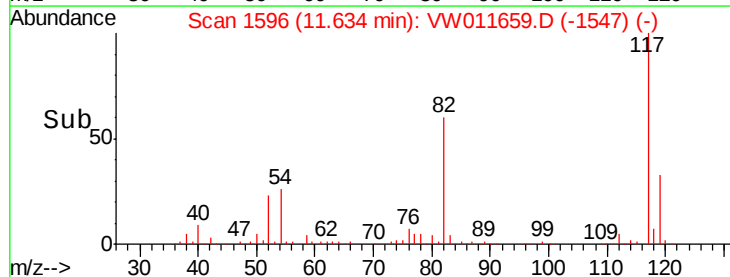
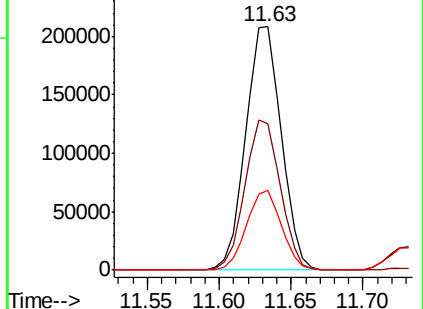
119 32.7 26.2 39.2

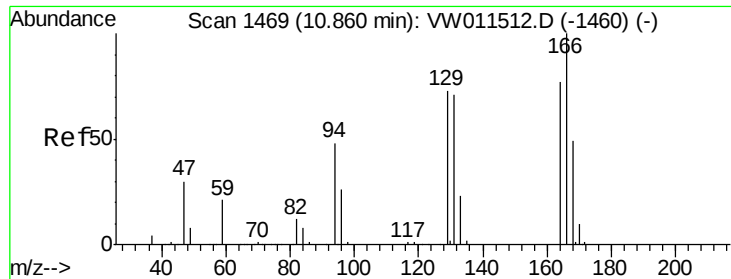


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 21.426 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

Tgt Ion:164 Resp: 49732

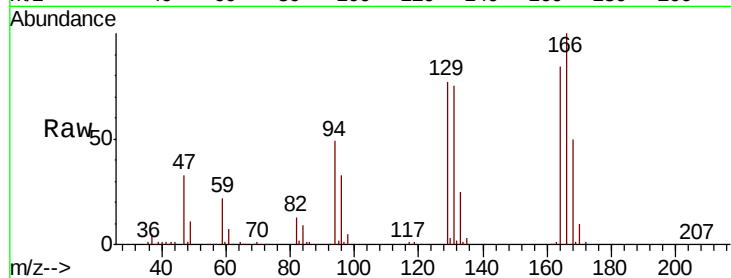
Ion Ratio Lower Upper

164 100

166 119.3 103.5 155.3

129 91.4 75.2 112.8

131 88.9 73.4 110.2

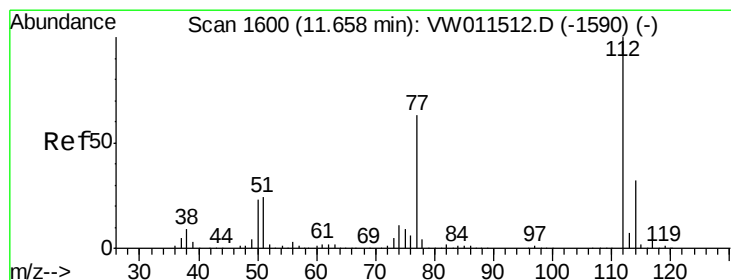
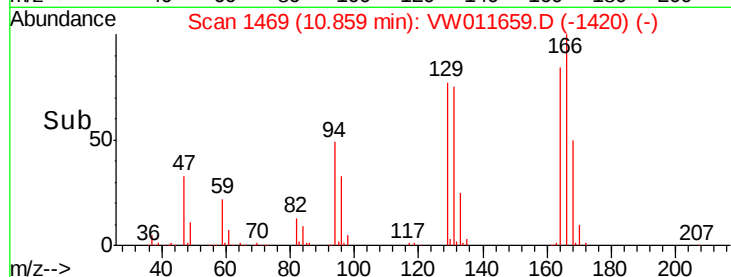
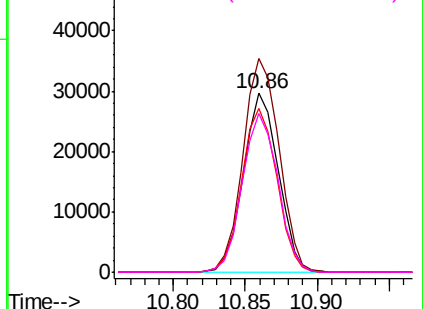


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 20.613 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011659.D

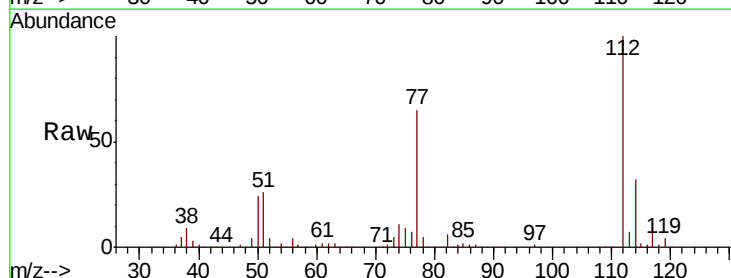
Acq: 03 Aug 2019 12:21

Tgt Ion:112 Resp: 147740

Ion Ratio Lower Upper

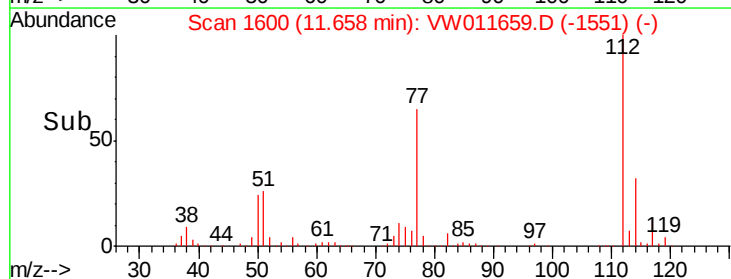
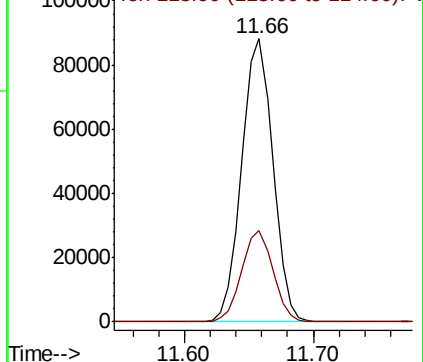
112 100

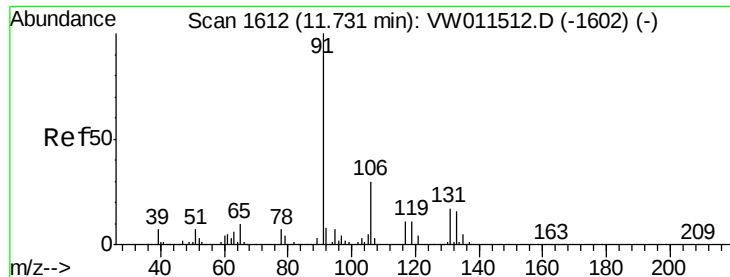
114 32.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

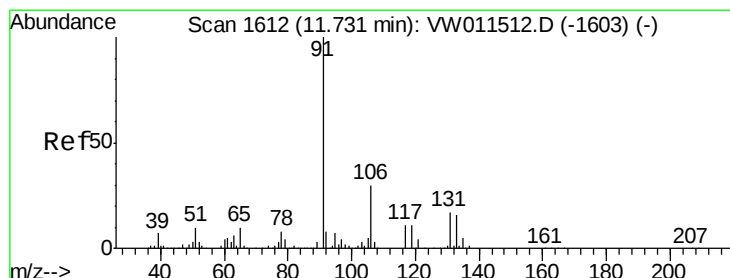
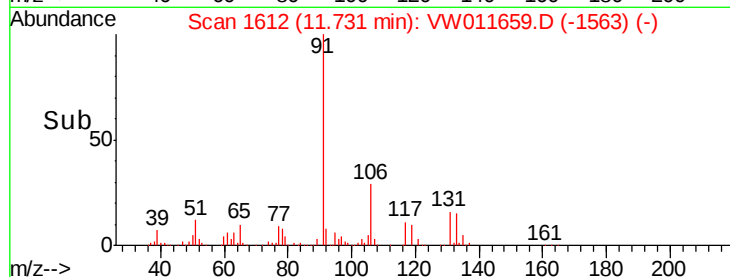
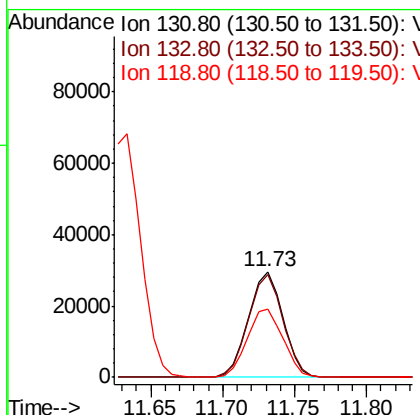
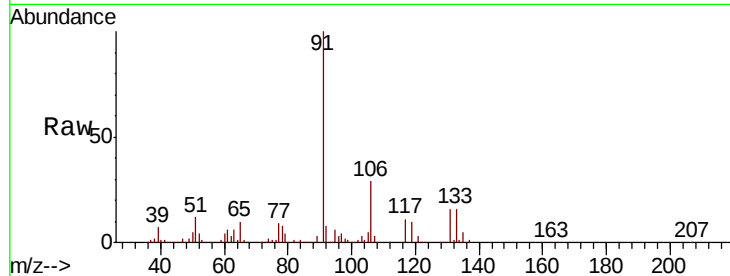




#66
 1,1,1,2-Tetrachloroethane
 Concen: 19.744 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

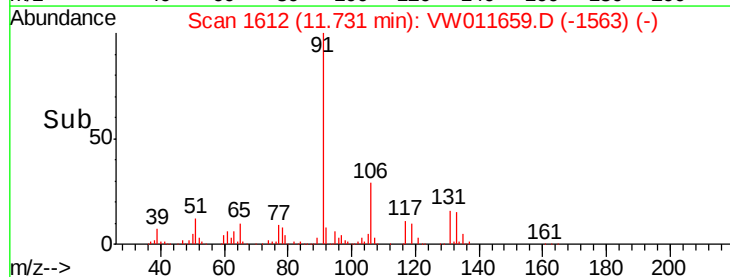
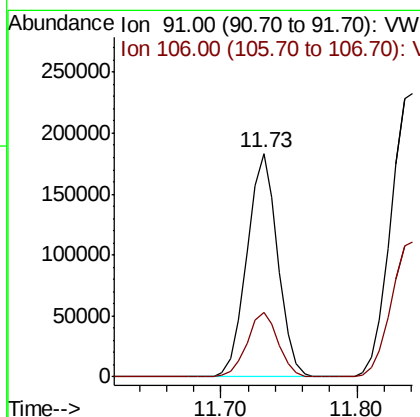
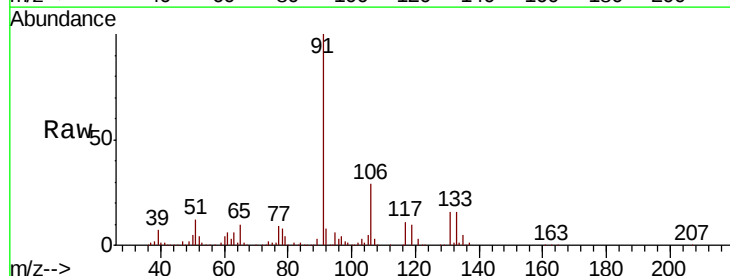
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

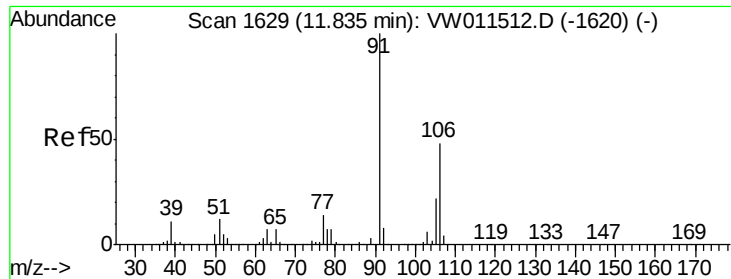
Tgt Ion:131 Resp: 49290
 Ion Ratio Lower Upper
 131 100
 133 97.2 47.4 142.2
 119 66.4 32.3 96.9



#67
 Ethyl Benzene
 Concen: 21.234 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 91 Resp: 289853
 Ion Ratio Lower Upper
 91 100
 106 28.9 23.8 35.6

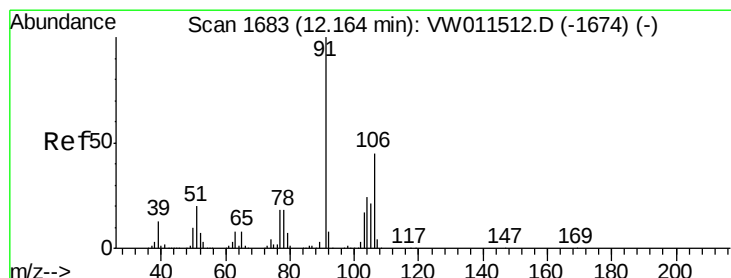
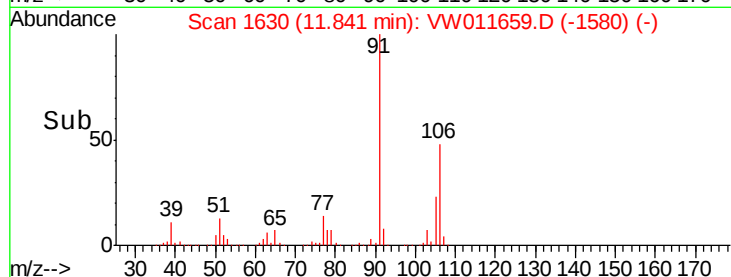
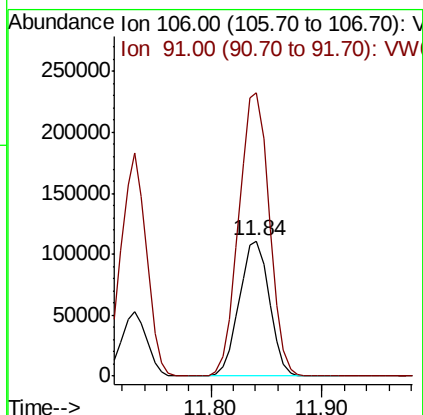
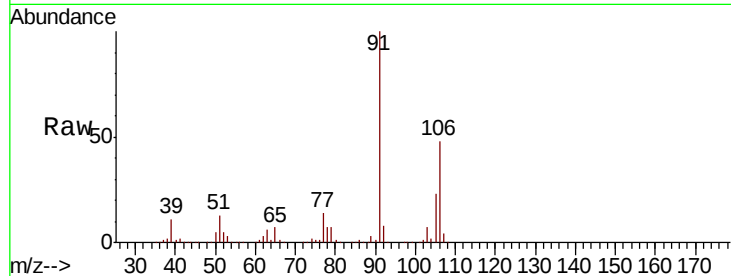




#68
m/p-Xylenes
Concen: 42.090 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

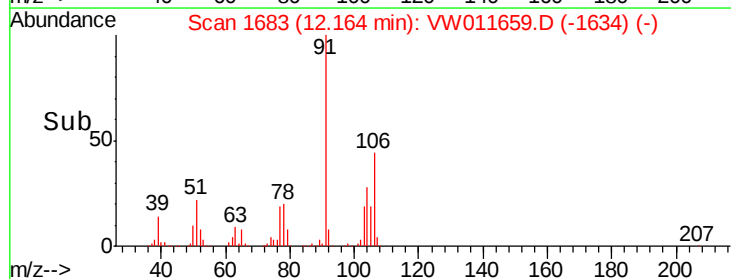
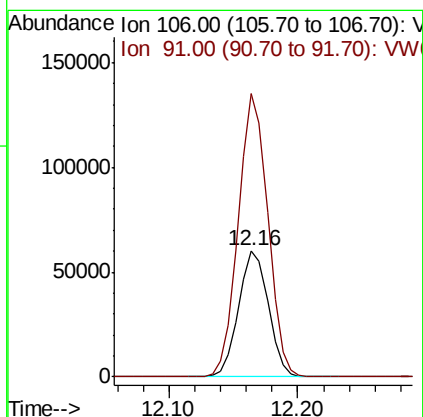
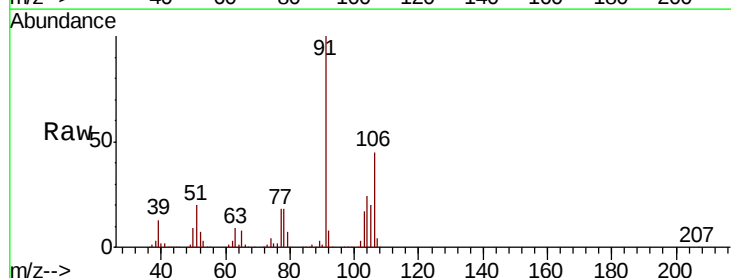
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

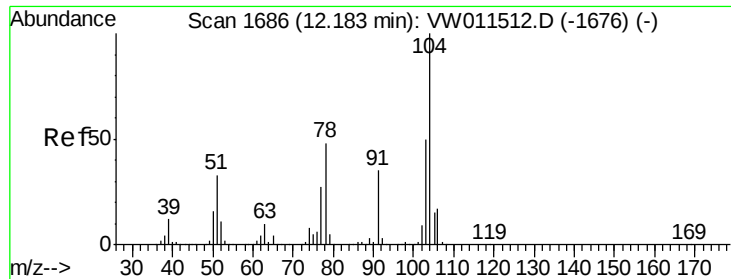
Tgt Ion:106 Resp: 208940
Ion Ratio Lower Upper
106 100
91 211.6 168.2 252.2



#69
o-Xylene
Concen: 20.827 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion:106 Resp: 96073
Ion Ratio Lower Upper
106 100
91 223.5 110.5 331.5





#70

Styrene

Concen: 20.622 ug/l

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

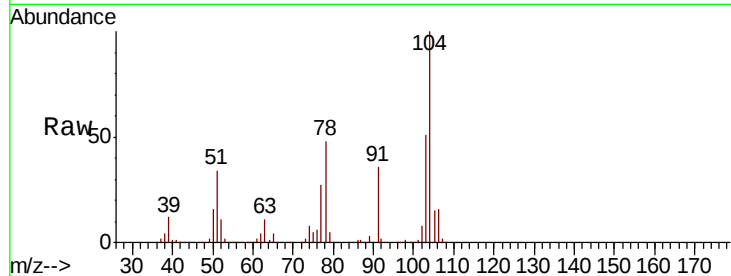
Tgt Ion:104 Resp: 164481

Ion Ratio Lower Upper

104 100

78 54.3 43.4 65.0

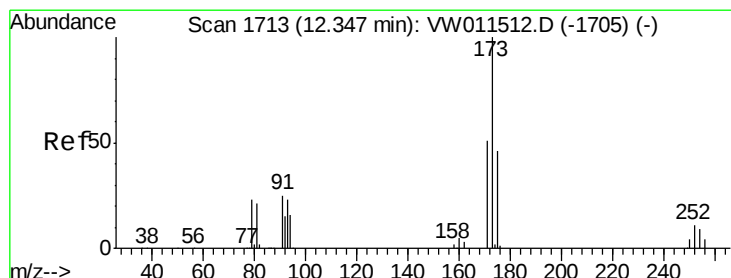
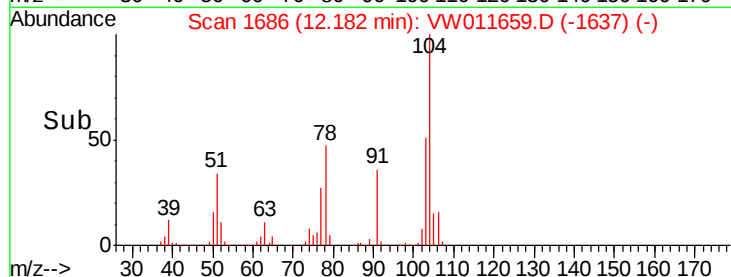
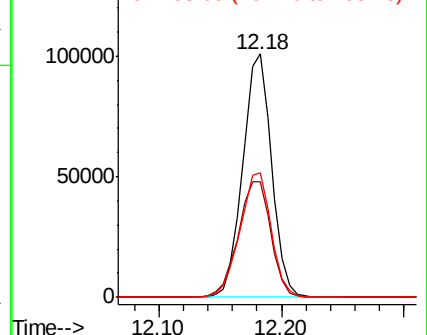
103 55.4 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 18.889 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

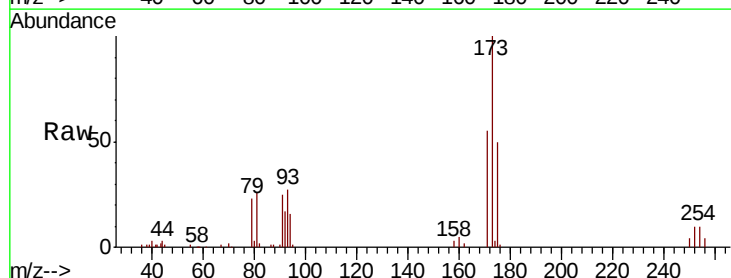
Tgt Ion:173 Resp: 24043

Ion Ratio Lower Upper

173 100

175 49.7 23.6 71.0

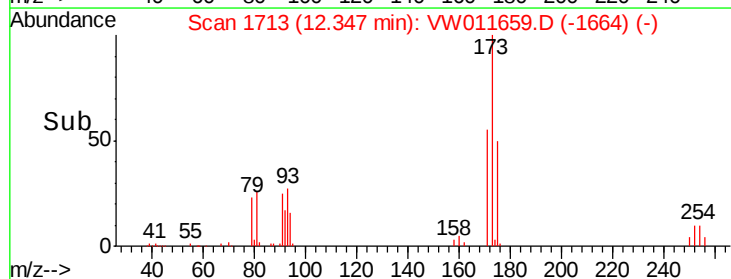
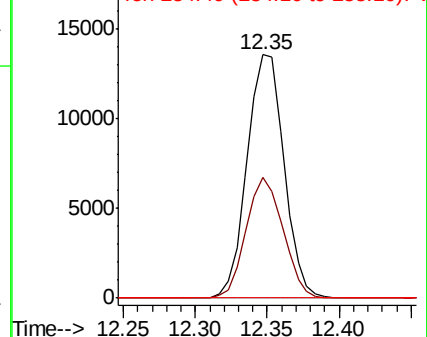
254 0.0 0.1 0.1#

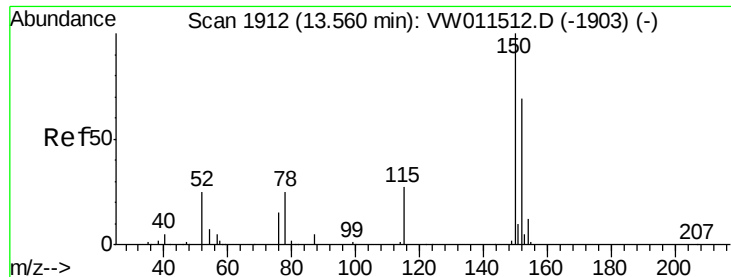


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

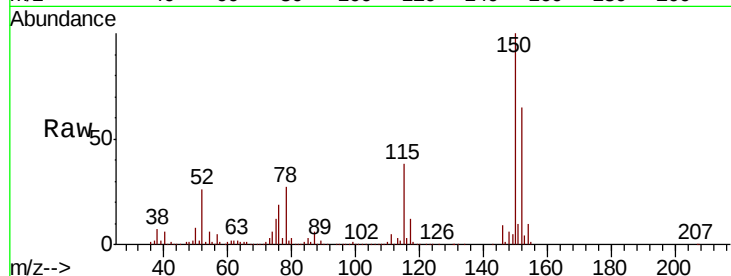
Tgt Ion:152 Resp: 173114

Ion Ratio Lower Upper

152 100

115 60.0 30.5 91.5

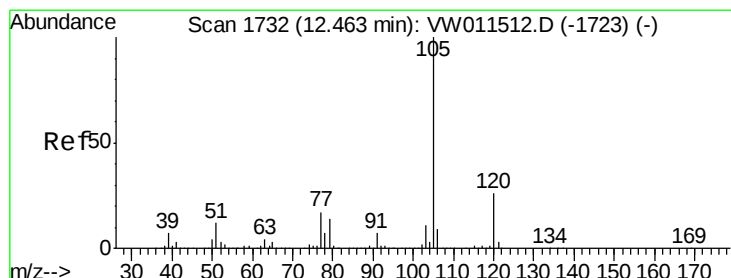
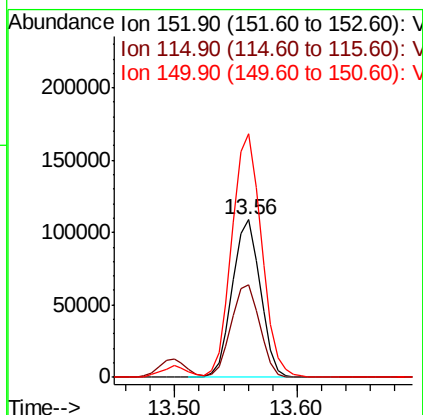
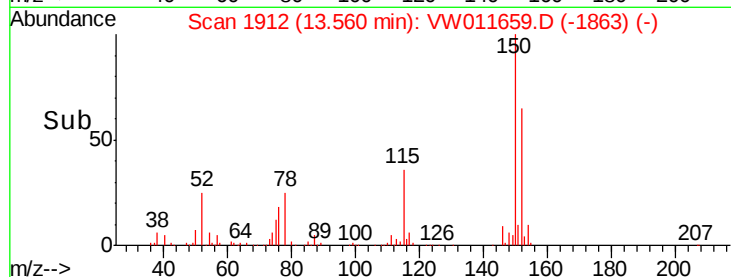
150 163.0 0.0 352.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 21.041 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011659.D

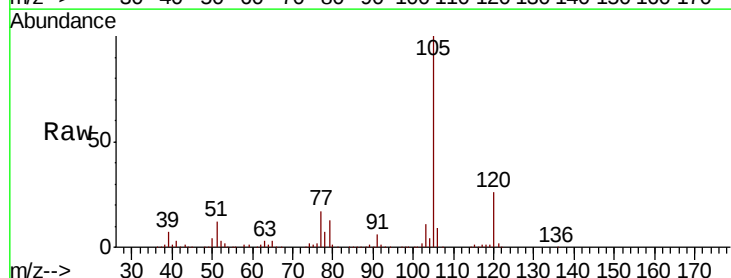
Acq: 03 Aug 2019 12:21

Tgt Ion:105 Resp: 271732

Ion Ratio Lower Upper

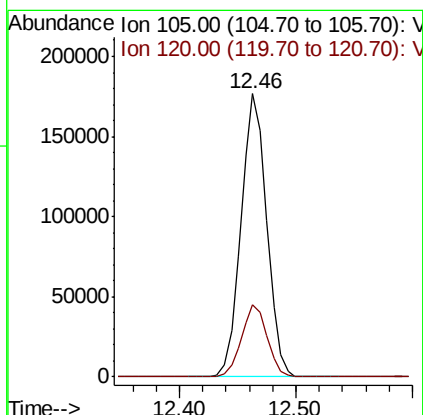
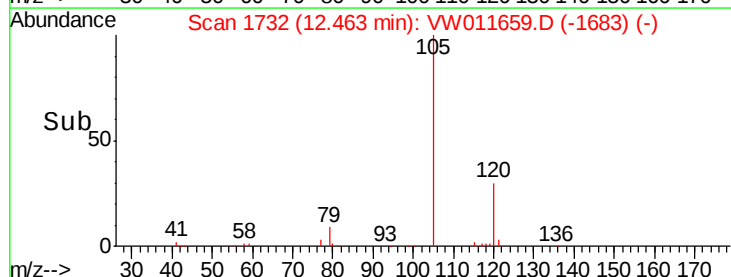
105 100

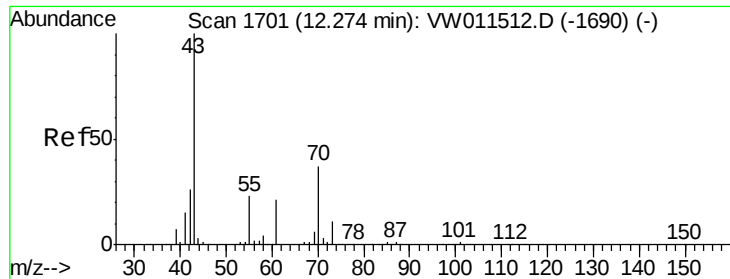
120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-ethyl acetate

Concen: 18.597 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

Tgt Ion: 43 Resp: 75193

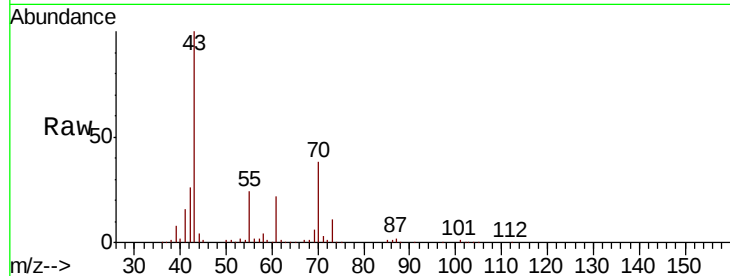
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 23.5 17.8 26.8

61 21.8 17.0 25.6

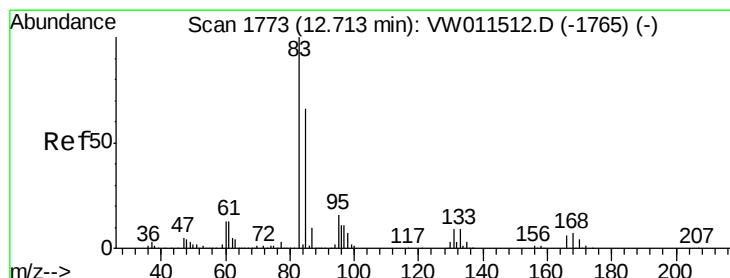
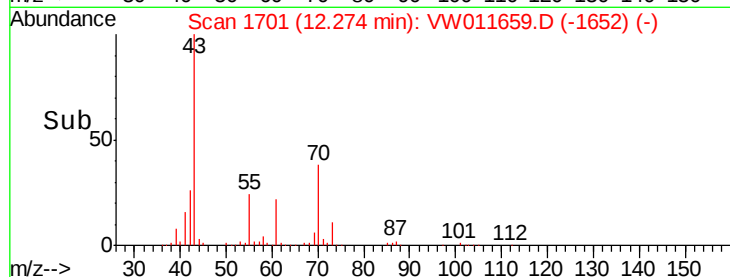
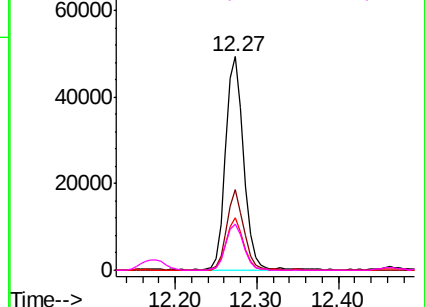


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 19.523 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

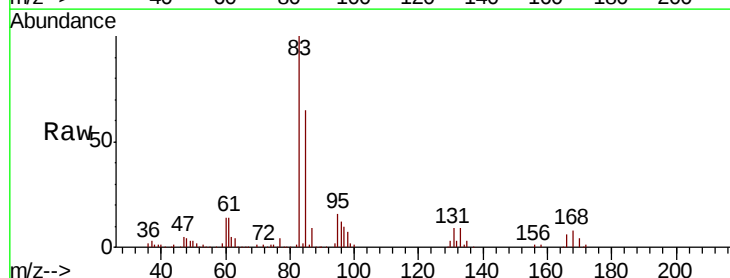
Tgt Ion: 83 Resp: 47427

Ion Ratio Lower Upper

83 100

131 10.1 4.9 14.6

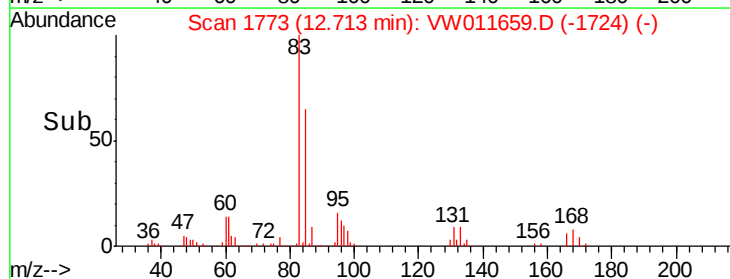
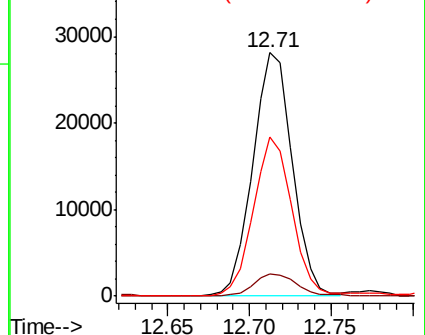
85 63.6 31.8 95.4

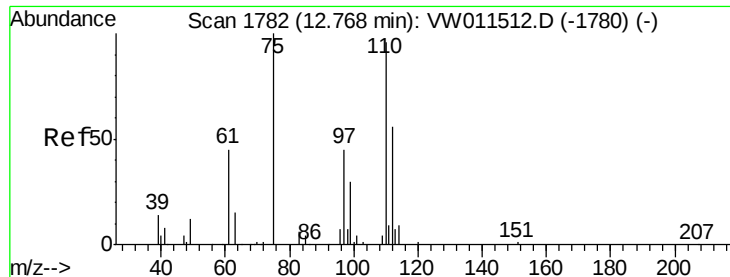


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 34.575 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

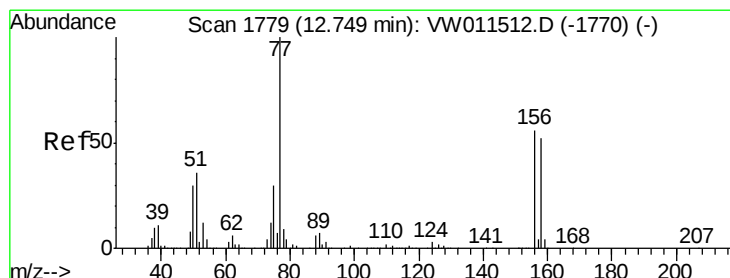
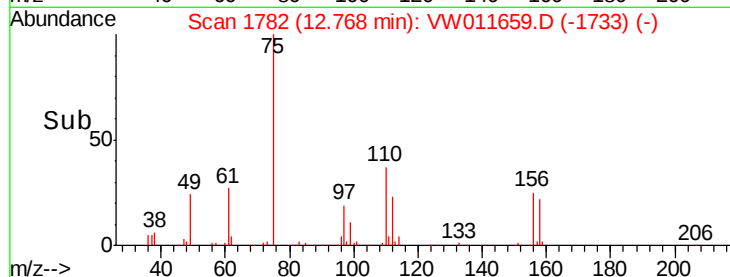
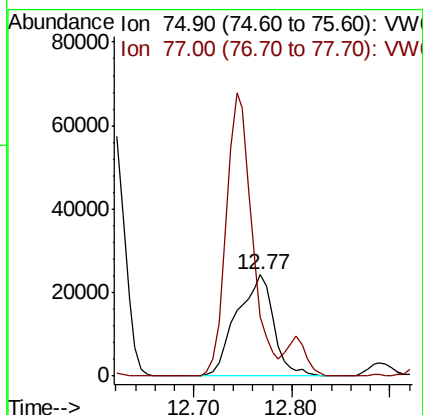
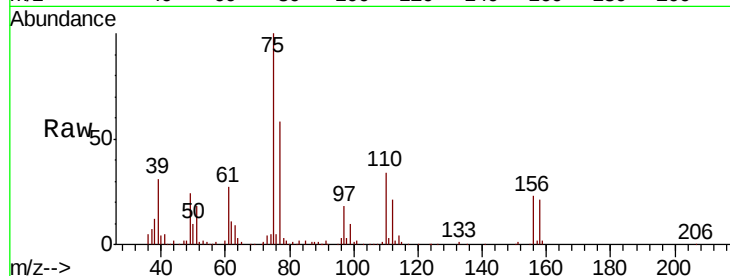
VW0804SBS01

Tgt Ion: 75 Resp: 63333

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 20.847 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

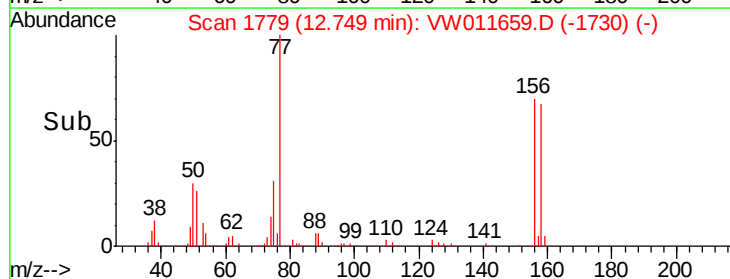
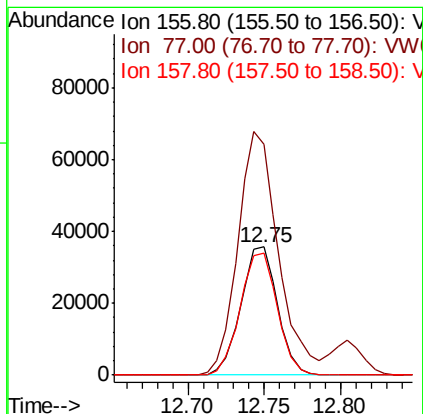
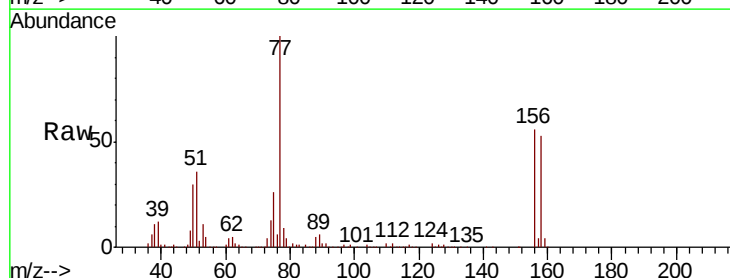
Tgt Ion: 156 Resp: 59509

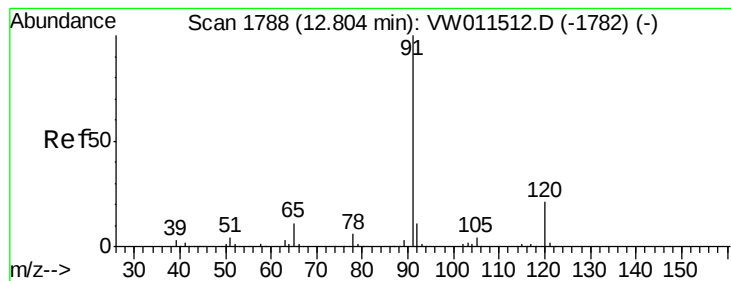
Ion Ratio Lower Upper

156 100

77 209.4 106.5 319.4

158 96.3 48.0 144.2





#78

n-propylbenzene

Concen: 21.527 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

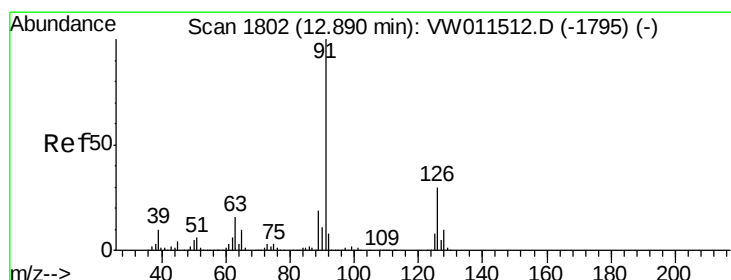
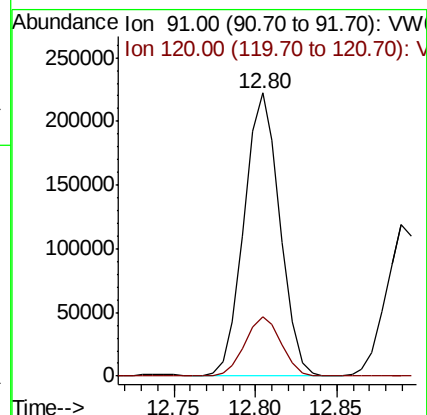
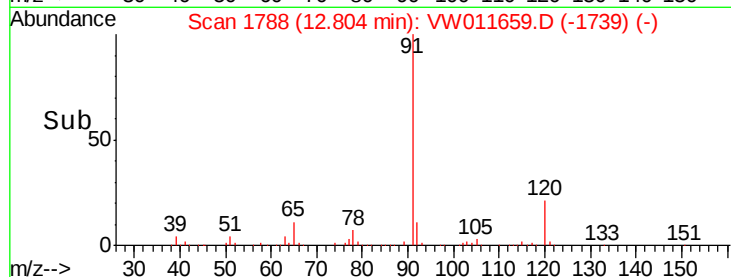
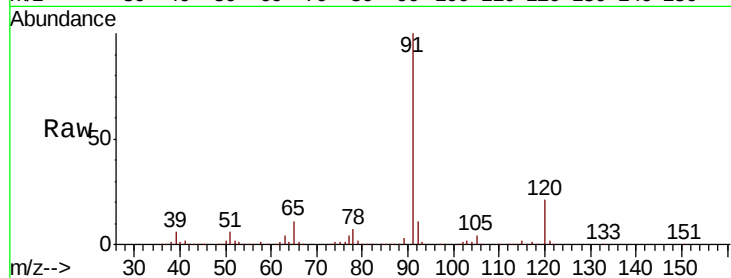
VW0804SBS01

Tgt Ion: 91 Resp: 338342

Ion Ratio Lower Upper

91 100

120 21.4 10.9 32.7



#79

2-Chlorotoluene

Concen: 20.897 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011659.D

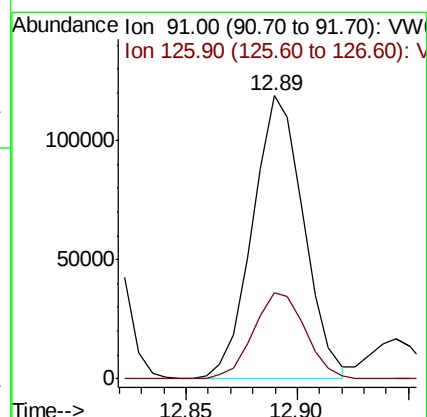
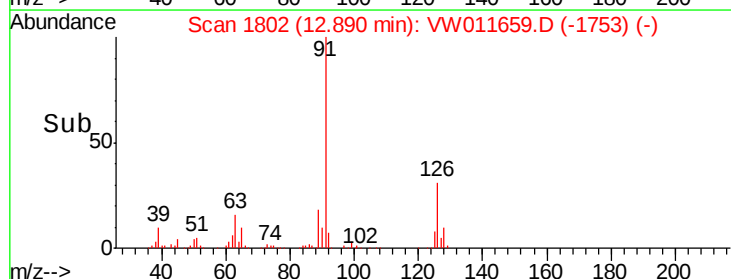
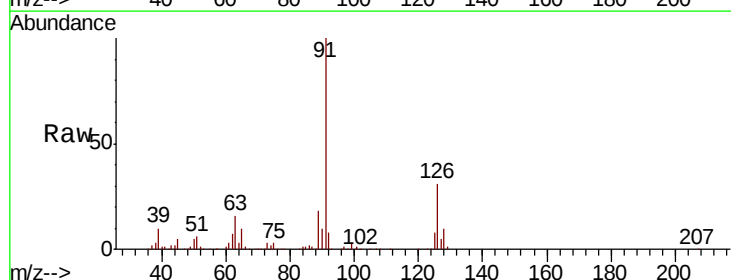
Acq: 03 Aug 2019 12:21

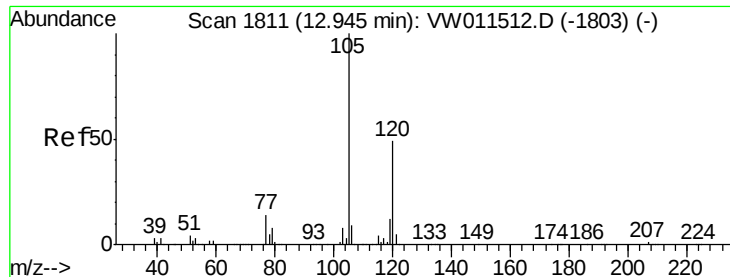
Tgt Ion: 91 Resp: 189217

Ion Ratio Lower Upper

91 100

126 31.3 15.7 47.1

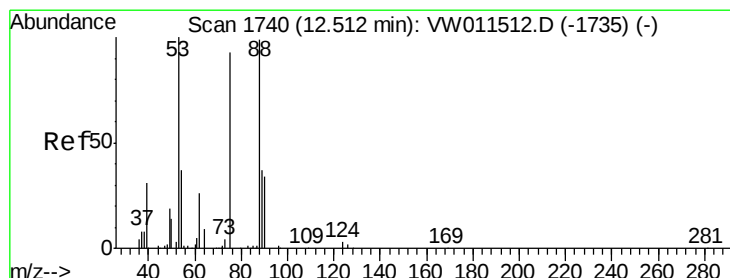
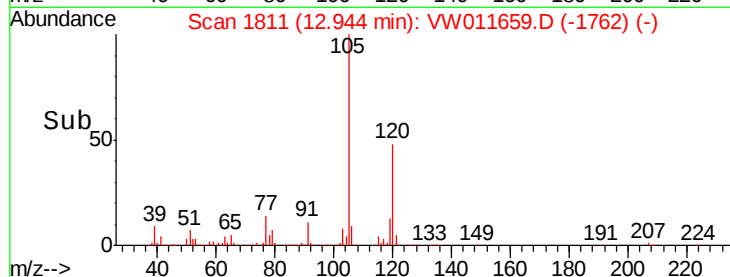
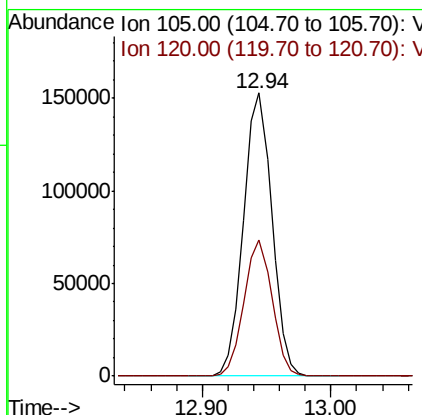
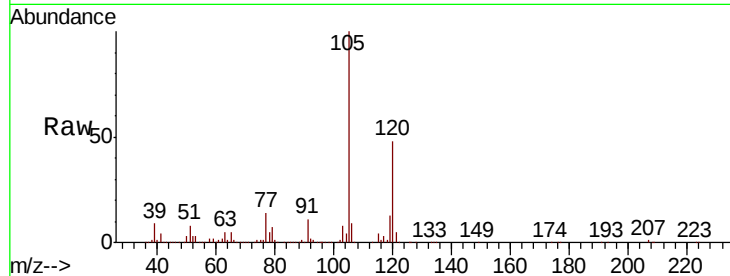




#80
 1,3,5-Trimethylbenzene
 Concen: 21.478 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

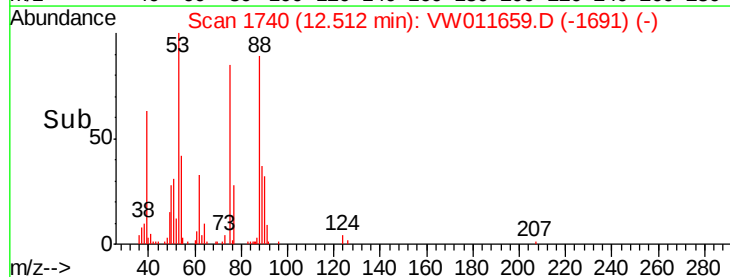
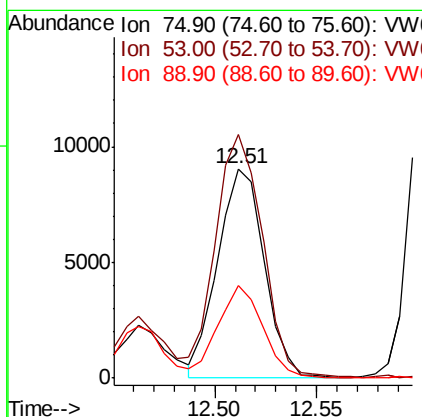
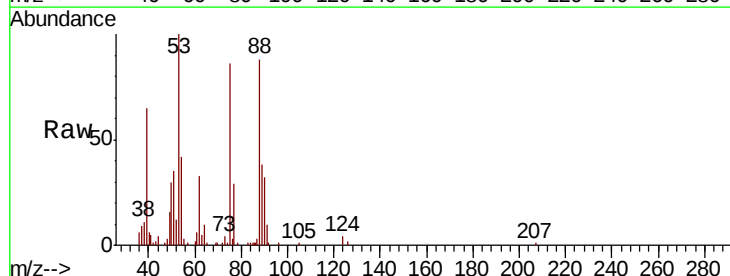
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

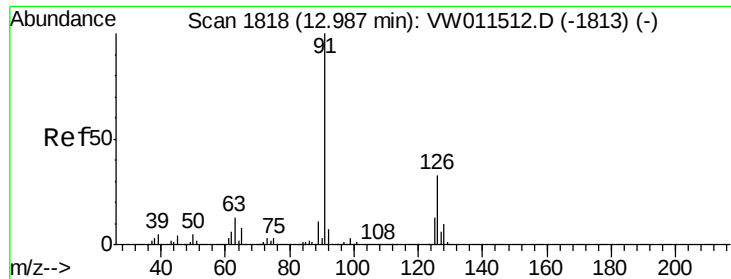
Tgt Ion: 105 Resp: 232512
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 17.987 ug/l
 RT: 12.51 min Scan# 1740
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion: 75 Resp: 14296
 Ion Ratio Lower Upper
 75 100
 53 119.7 88.0 132.0
 89 42.6 35.3 52.9

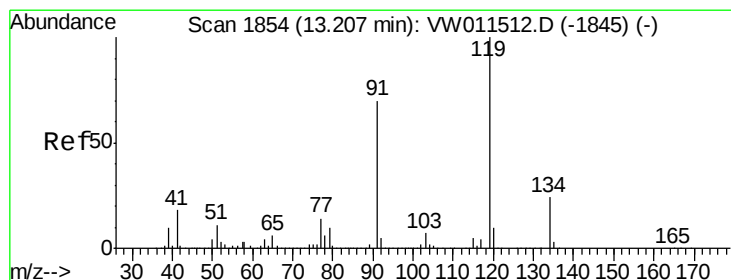
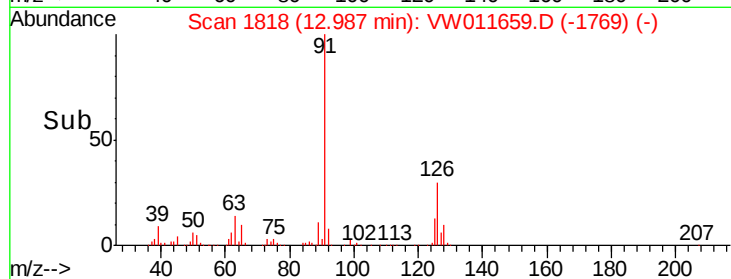
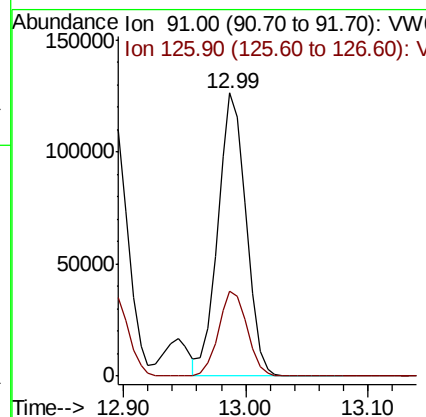
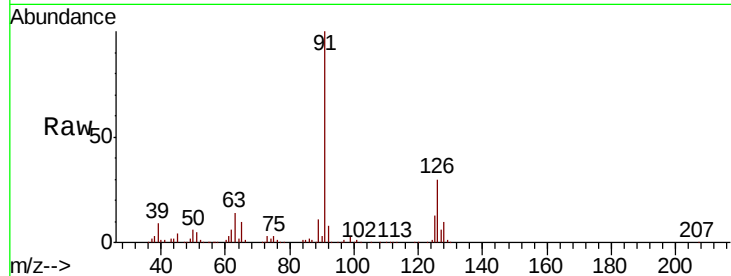




#82
4-Chlorotoluene
Concen: 21.267 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

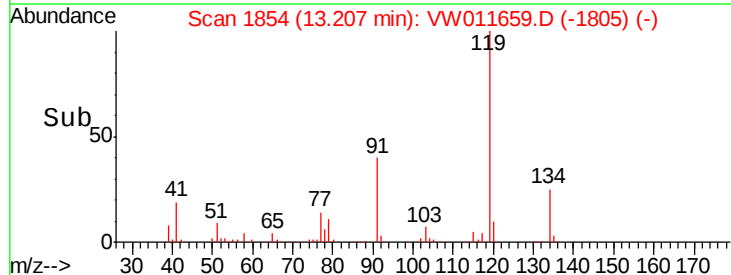
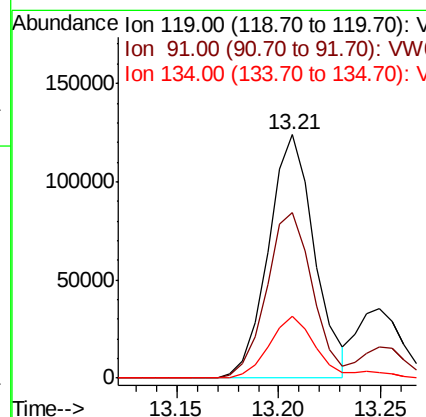
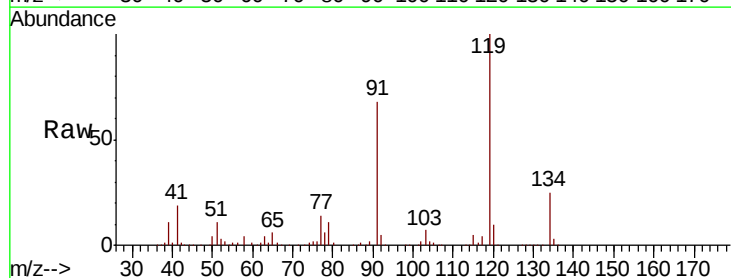
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

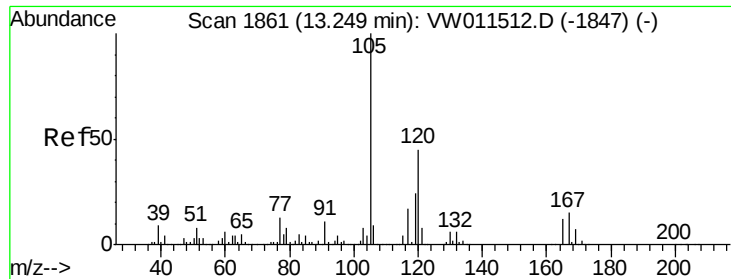
Tgt Ion: 91 Resp: 202046
Ion Ratio Lower Upper
91 100
126 30.7 15.6 46.8



#83
tert-Butylbenzene
Concen: 21.515 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion: 119 Resp: 194775
Ion Ratio Lower Upper
119 100
91 68.1 34.5 103.6
134 25.1 12.4 37.4

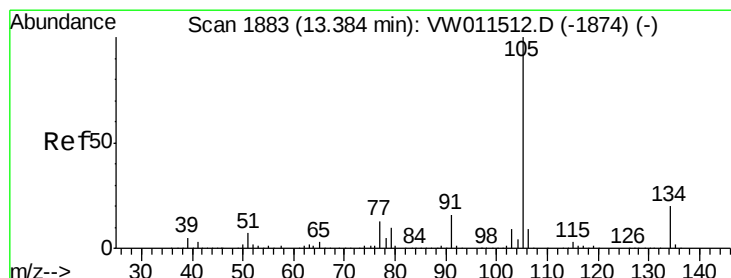
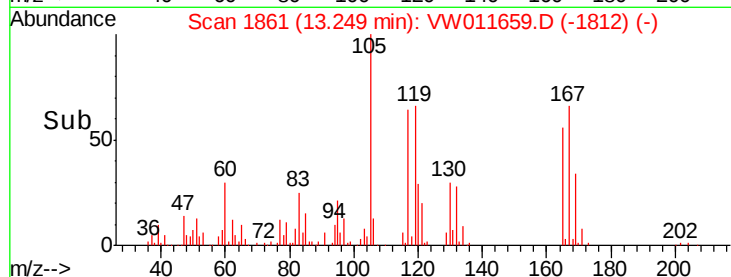
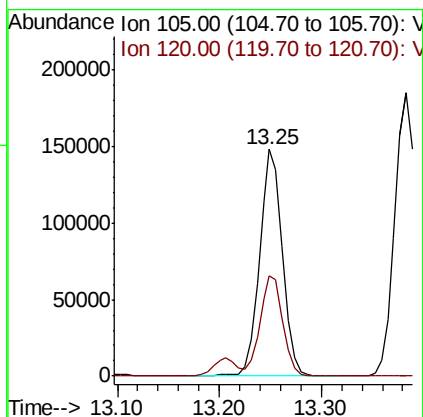
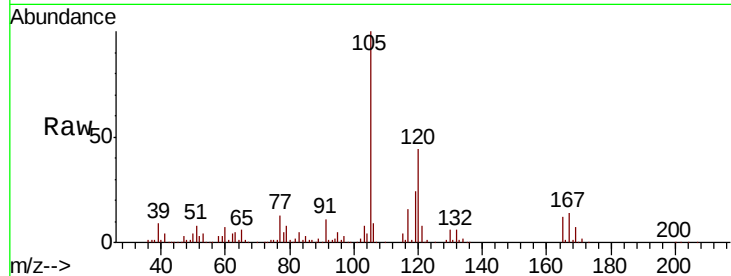




#84
1,2,4-Trimethylbenzene
Concen: 21.171 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

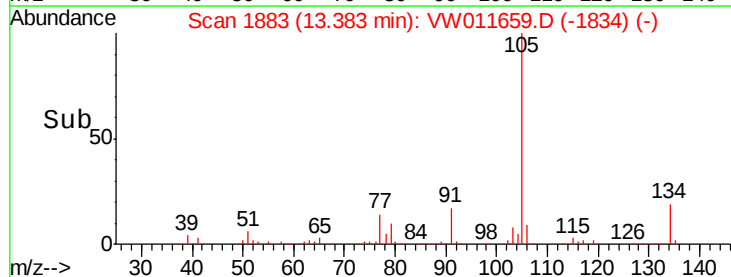
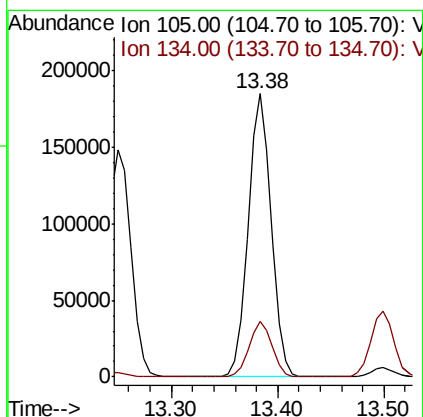
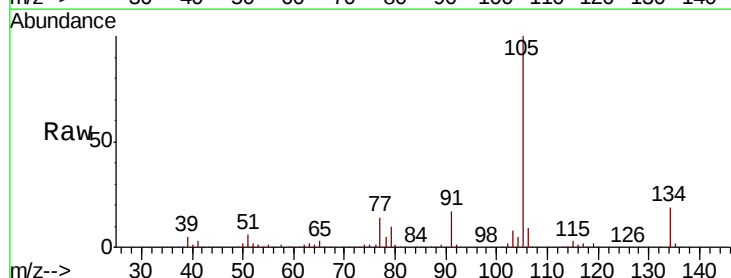
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

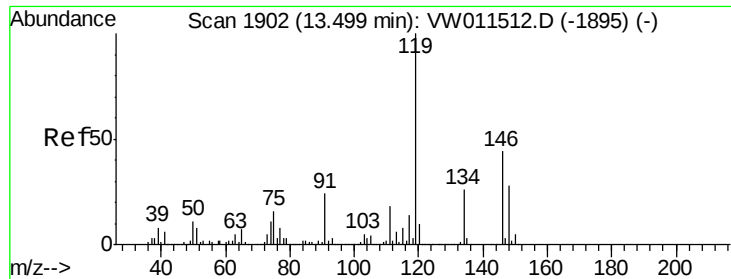
Tgt Ion:105 Resp: 230881
Ion Ratio Lower Upper
105 100
120 43.8 22.1 66.5



#85
sec-Butylbenzene
Concen: 21.654 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion:105 Resp: 279710
Ion Ratio Lower Upper
105 100
134 19.5 9.7 29.1

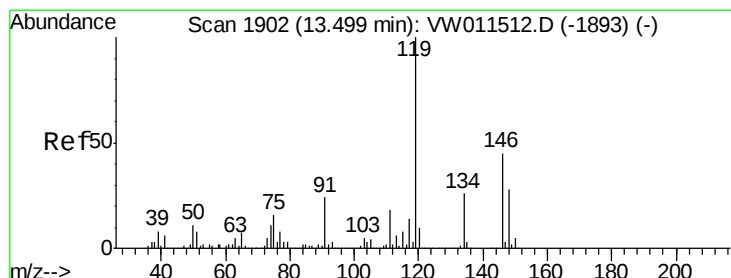
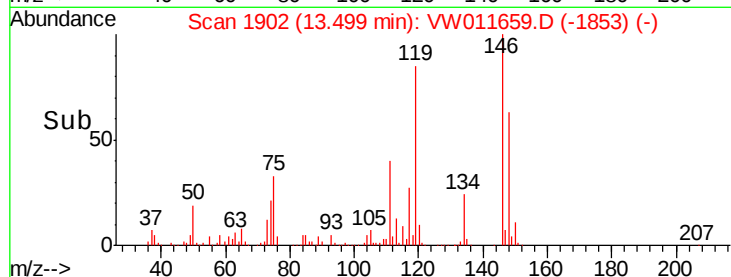
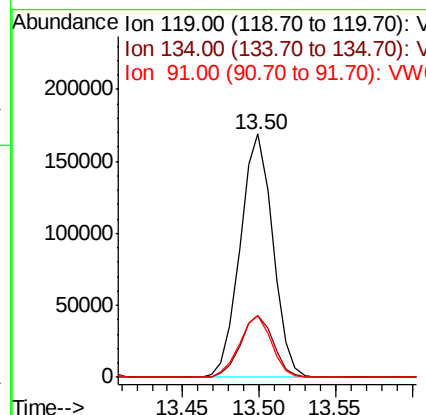
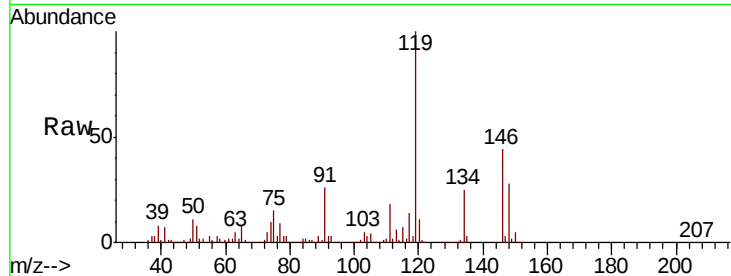




#86
p-Isopropyltoluene
Concen: 21.296 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

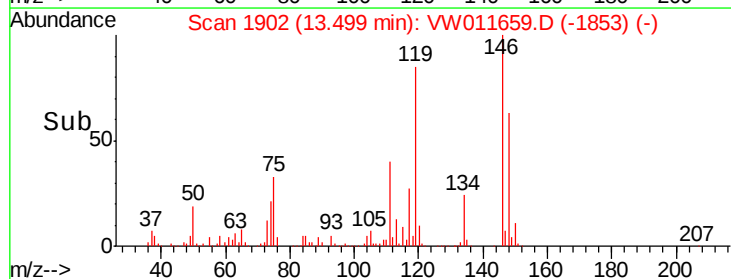
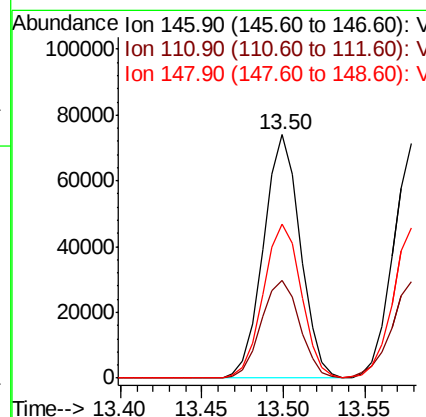
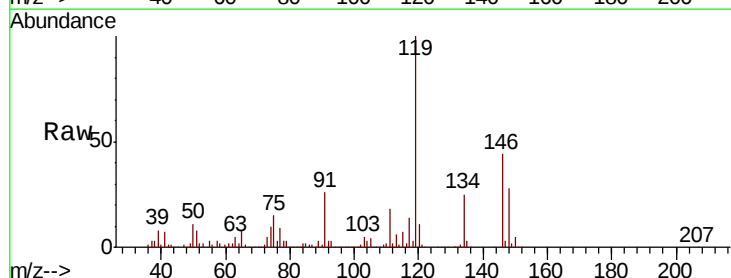
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBS01

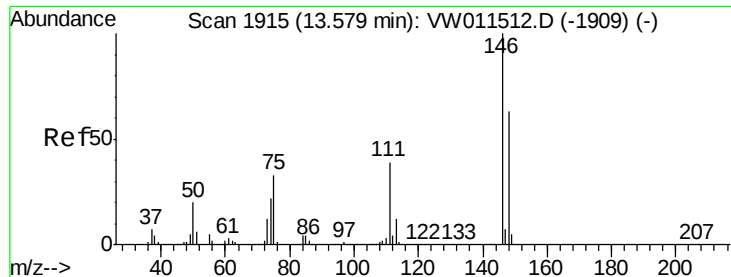
Tgt Ion:119 Resp: 249594
Ion Ratio Lower Upper
119 100
134 25.7 12.8 38.4
91 24.8 12.1 36.3



#87
1,3-Dichlorobenzene
Concen: 20.749 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW011659.D
Acq: 03 Aug 2019 12:21

Tgt Ion:146 Resp: 116135
Ion Ratio Lower Upper
146 100
111 41.8 20.5 61.6
148 64.9 31.8 95.3

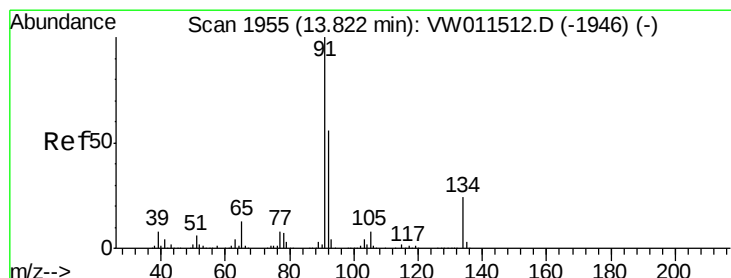
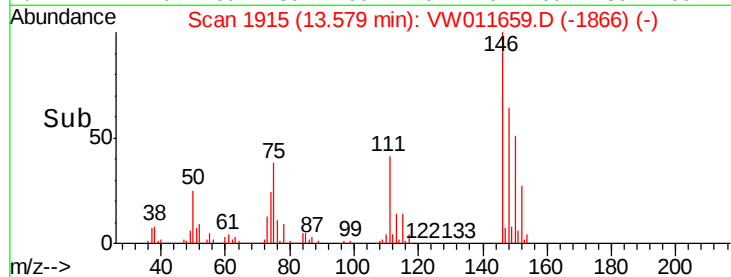
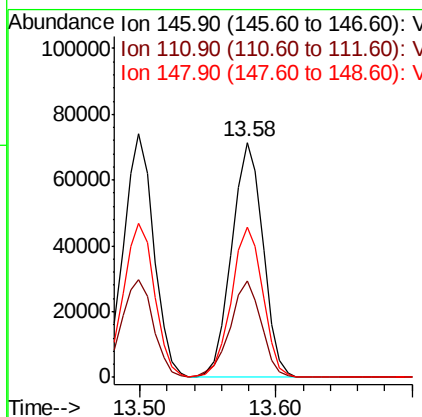
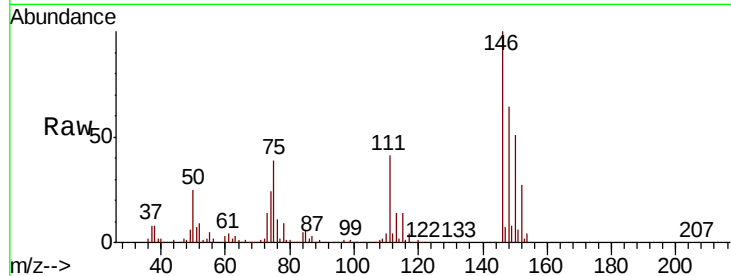




#88
 1,4-Dichlorobenzene
 Concen: 20.555 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

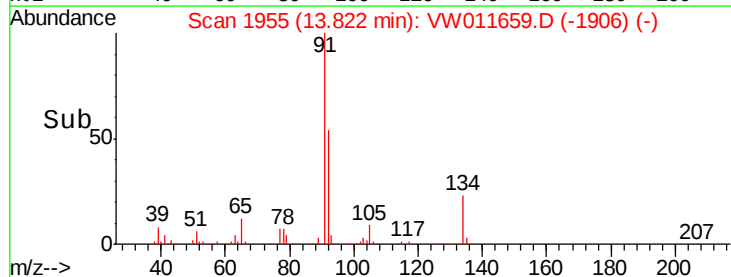
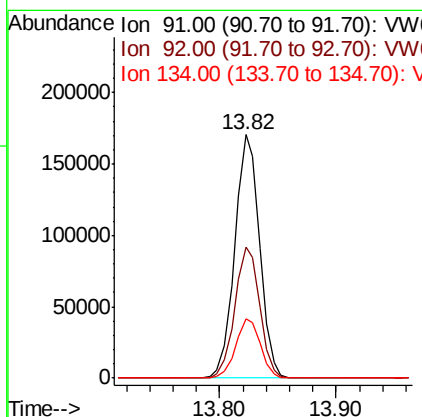
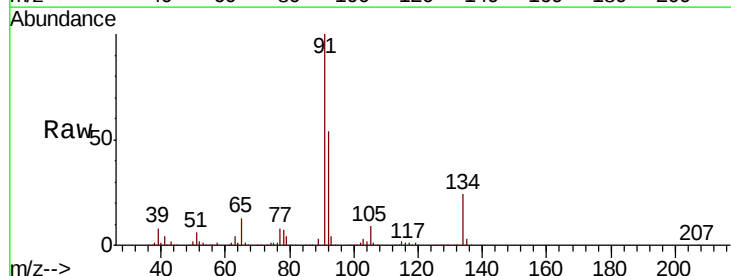
Instrument :
 MSVOA_W
 ClientSampled :
 VW0804SBS01

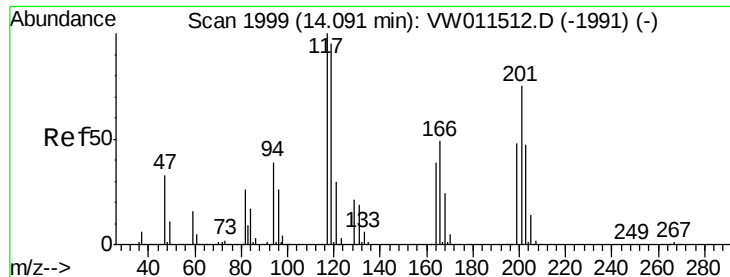
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.1	60.2
148	64.0	31.9	95.9



#89
 n-Butylbenzene
 Concen: 21.592 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.4
134	24.1	12.2	36.6





#90

Hexachloroethane

Concen: 20.209 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

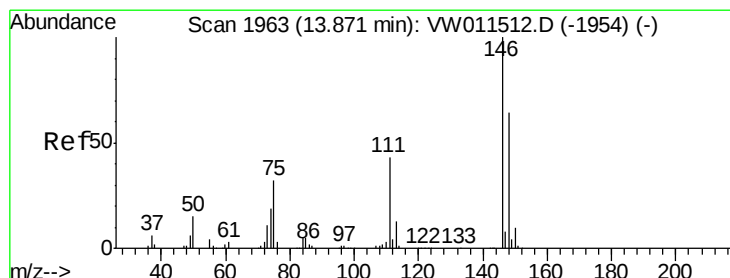
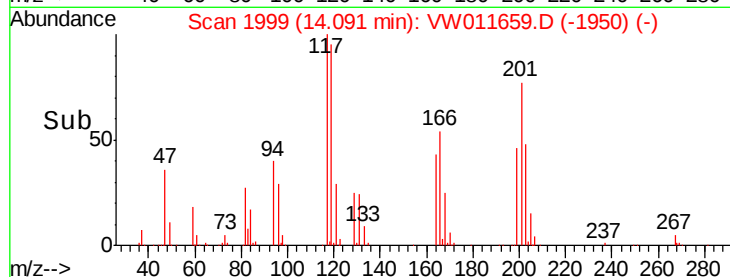
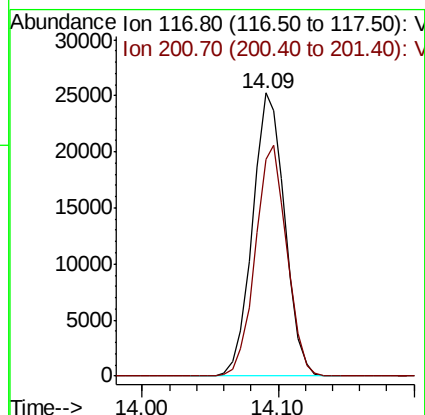
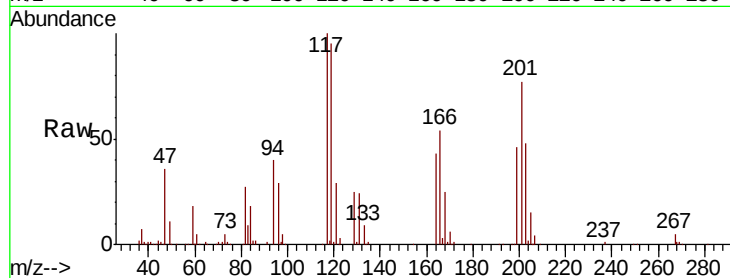
VW0804SBS01

Tgt Ion:117 Resp: 41882

Ion Ratio Lower Upper

117 100

201 79.9 39.4 118.2



#91

1,2-Dichlorobenzene

Concen: 20.420 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

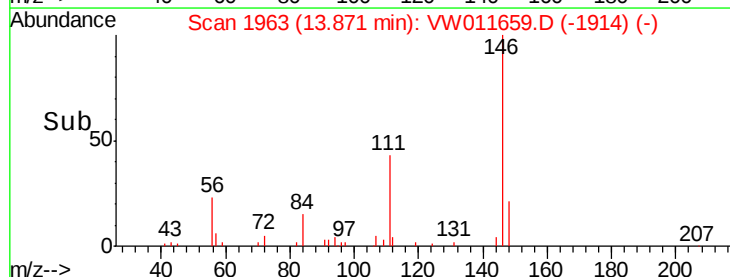
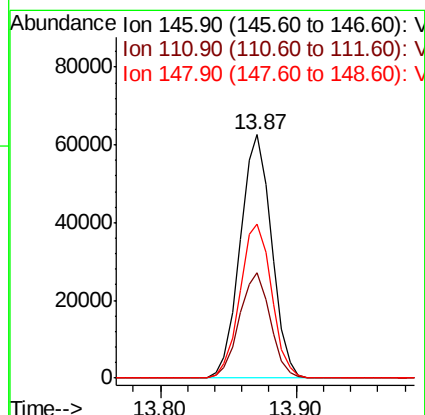
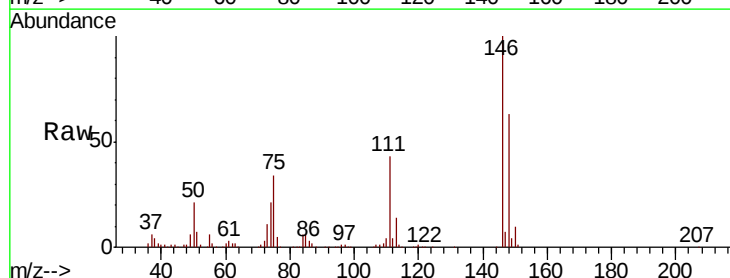
Tgt Ion:146 Resp: 101085

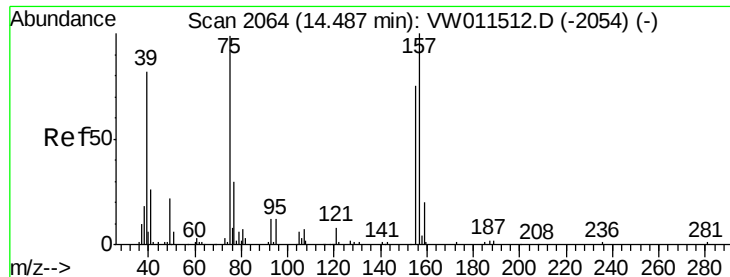
Ion Ratio Lower Upper

146 100

111 42.5 21.6 65.0

148 63.8 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 18.839 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

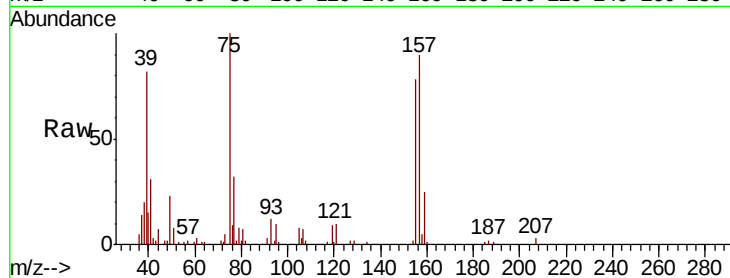
Tgt Ion: 75 Resp: 7804

Ion Ratio Lower Upper

75 100

155 73.9 38.2 114.6

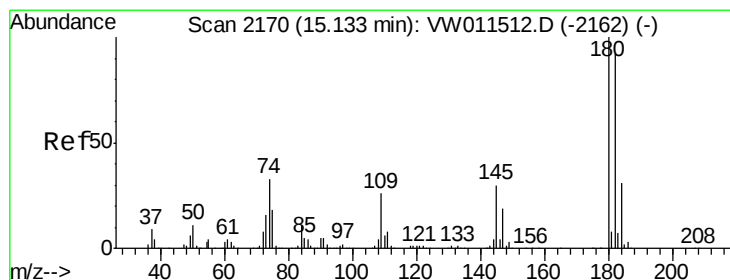
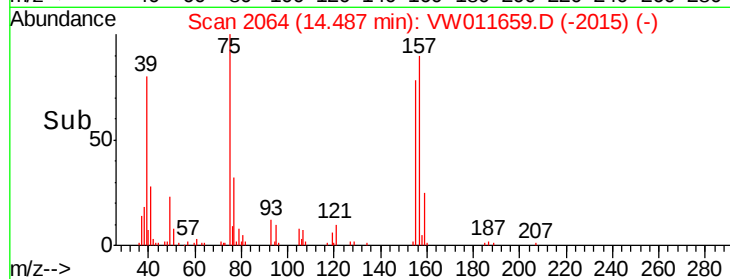
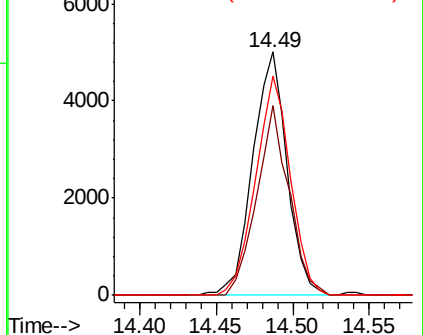
157 91.5 48.9 146.7



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 20.058 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

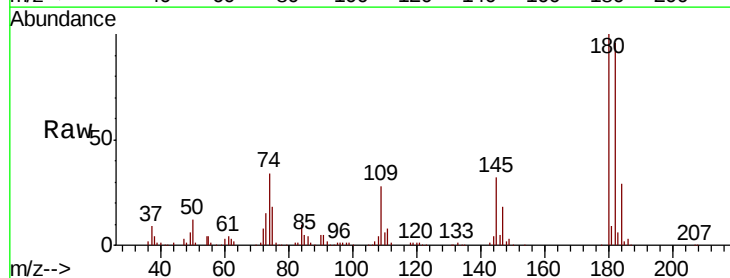
Tgt Ion: 180 Resp: 69979

Ion Ratio Lower Upper

180 100

182 96.5 47.4 142.2

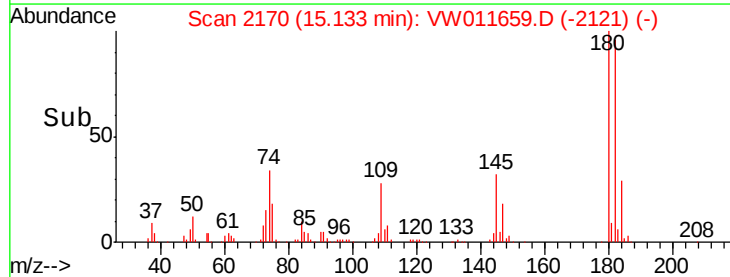
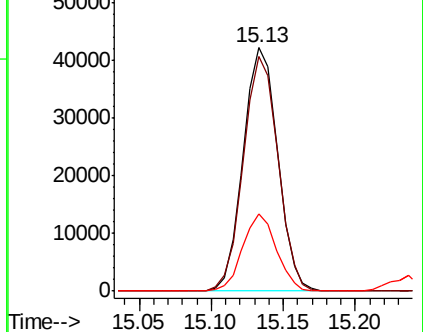
145 31.0 15.4 46.1

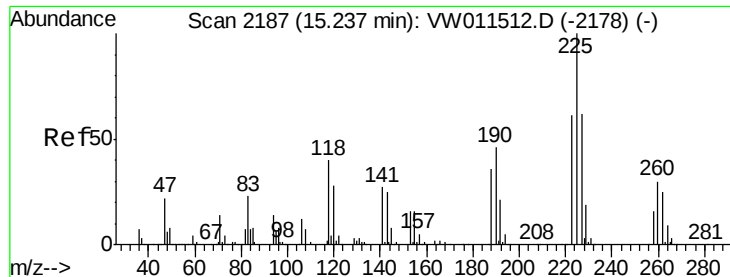


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 21.368 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBS01

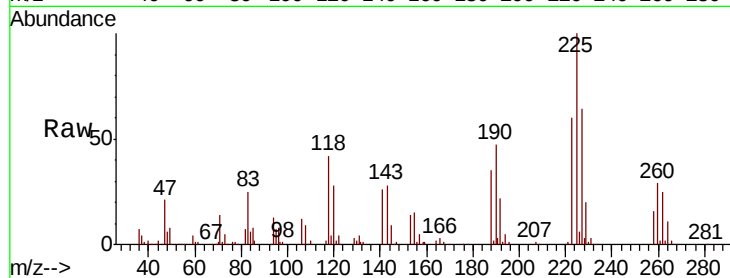
Tgt Ion: 225 Resp: 46492

Ion Ratio Lower Upper

225 100

223 63.9 30.8 92.3

227 65.7 31.6 94.7

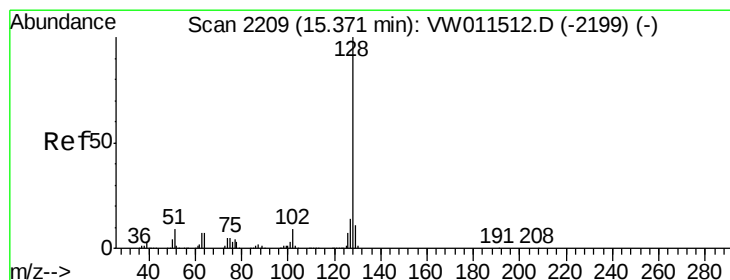
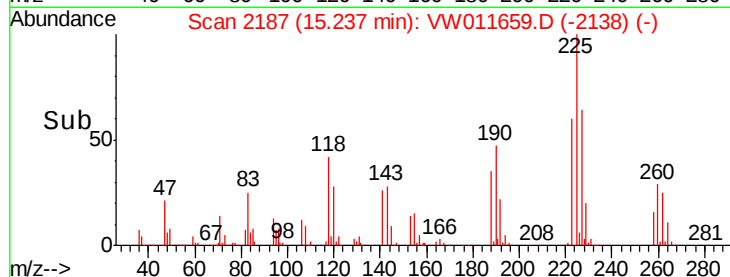
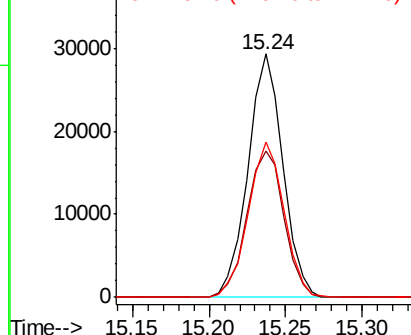


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 18.565 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011659.D

Acq: 03 Aug 2019 12:21

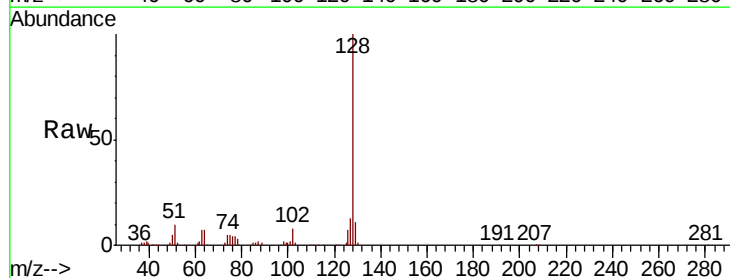
Tgt Ion: 128 Resp: 117619

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

129 10.9 8.6 13.0

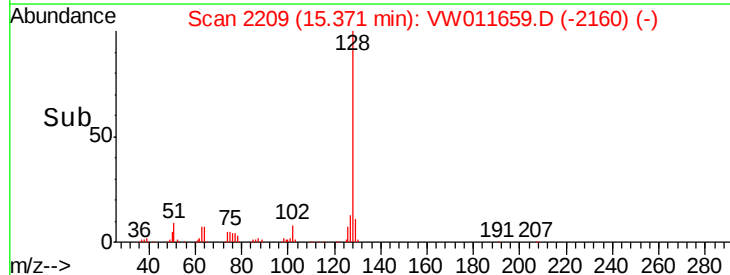
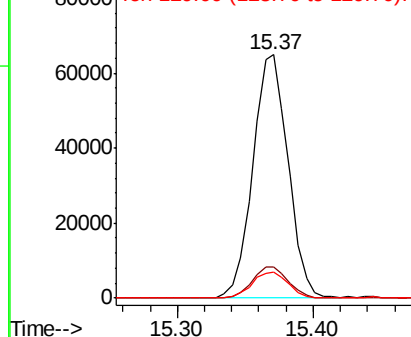


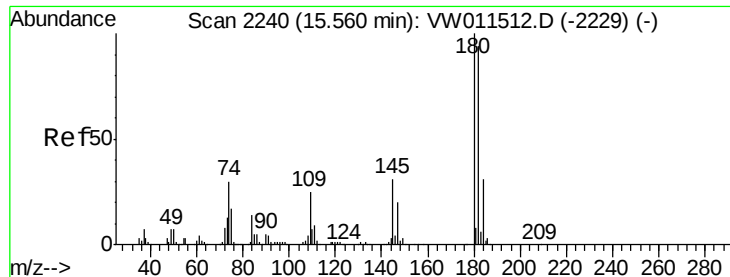
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

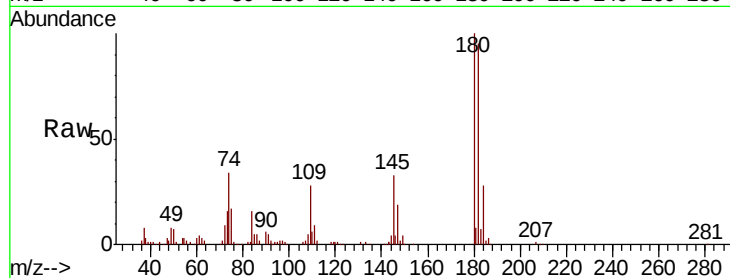




#96
 1,2,3-Trichlorobenzene
 Concen: 19.669 ug/l
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: VW011659.D
 Acq: 03 Aug 2019 12:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.4	142.2
145	32.3	15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

