

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011350.D
 Acq On : 18 Jul 2019 23:50
 Operator : SY/VA
 Sample : VW0718SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 19 06:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	174432	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	297356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	268928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133128	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	114268	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	7.88	113	88532	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.32	98	355518	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
62) 4-Bromofluorobenzene	12.62	95	132261	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	29017	22.305	ug/l	97
3) Chloromethane	2.21	50	39641	23.648	ug/l	98
4) Vinyl Chloride	2.35	62	45944	20.940	ug/l	99
5) Bromomethane	2.76	94	23477	21.294	ug/l	99
6) Chloroethane	2.91	64	24592	20.809	ug/l	99
7) Trichlorofluoromethane	3.24	101	13246	16.994	ug/l	97
8) Diethyl Ether	3.67	74	24679	22.883	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	38629	20.691	ug/l	99
10) Methyl Iodide	4.26	142	56030	21.820	ug/l	99
11) Tert butyl alcohol	5.16	59	24072	148.342	ug/l	95
12) 1,1-Dichloroethene	4.03	96	40246	20.769	ug/l	94
13) Acrolein	3.89	56	9388	72.653	ug/l	93
14) Allyl chloride	4.66	41	70418	19.928	ug/l	97
15) Acrylonitrile	5.36	53	65153	118.621	ug/l	99
16) Acetone	4.12	43	63035	119.526	ug/l	97
17) Carbon Disulfide	4.38	76	111849	19.039	ug/l	99
18) Methyl Acetate	4.67	43	49528	32.531	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	68952	23.451	ug/l	96
20) Methylene Chloride	4.92	84	56434	27.126	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	44034	21.869	ug/l	95
22) Diisopropyl ether	6.31	45	174828	23.003	ug/l	100
23) Vinyl Acetate	6.25	43	491067	104.405	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89898	22.526	ug/l	99
25) 2-Butanone	7.16	43	104367	126.072	ug/l	97
26) 2,2-Dichloropropane	7.16	77	44197	21.305	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	49316	22.705	ug/l	97
28) Bromochloromethane	7.51	49	40650	22.401	ug/l #	99
29) Tetrahydrofuran	7.52	42	66885	123.218	ug/l	98
30) Chloroform	7.67	83	83231	22.519	ug/l	98
31) Cyclohexane	7.95	56	85995	20.254	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	59552	21.181	ug/l	100
36) 1,1-Dichloropropene	8.08	75	63966	20.200	ug/l	98
37) Ethyl Acetate	7.25	43	44657	23.472	ug/l	99
38) Carbon Tetrachloride	8.07	117	53869	20.068	ug/l	96

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Quant Time: Jul 19 06:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	75198	19.593	ug/l	98
40) Benzene	8.32	78	191420	21.874	ug/l	98
41) Methacrylonitrile	7.48	41	24438	22.459	ug/l	98
42) 1,2-Dichloroethane	8.40	62	63584	22.398	ug/l	100
43) Isopropyl Acetate	8.42	43	81647	22.730	ug/l	100
44) Trichloroethene	9.09	130	44937	21.339	ug/l	99
45) 1,2-Dichloropropane	9.37	63	52892	22.319	ug/l	97
46) Dibromomethane	9.46	93	24983	22.442	ug/l	99
47) Bromodichloromethane	9.64	83	60855	21.365	ug/l	100
48) Methyl methacrylate	9.43	41	38665	22.374	ug/l	96
49) 1,4-Dioxane	9.45	88	9214	495.874	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	224172	119.471	ug/l	100
52) Toluene	10.38	92	115633	21.782	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	61645	20.332	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	72696	20.371	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35905	22.735	ug/l	96
56) Ethyl methacrylate	10.65	69	53897	22.416	ug/l	99
57) 1,3-Dichloropropane	10.93	76	67855	22.722	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	105738	94.860	ug/l	100
59) 2-Hexanone	10.97	43	150339	115.533	ug/l	99
60) Dibromochloromethane	11.13	129	37025	21.380	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33956	22.699	ug/l	100
64) Tetrachloroethene	10.86	164	41582	22.914	ug/l	96
65) Chlorobenzene	11.66	112	118225	21.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	41604	21.611	ug/l	99
67) Ethyl Benzene	11.73	91	219076	20.930	ug/l	98
68) m/p-Xylenes	11.84	106	160025	42.252	ug/l	100
69) o-Xylene	12.16	106	74869	20.974	ug/l	99
70) Styrene	12.18	104	133651	21.694	ug/l	99
71) Bromoform	12.35	173	21126	20.640	ug/l #	99
73) Isopropylbenzene	12.46	105	204872	20.586	ug/l	100
74) N-amyl acetate	12.27	43	73149	21.105	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44655	21.890	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	56621	36.804	ug/l #	100
77) Bromobenzene	12.74	156	48503	21.717	ug/l	98
78) n-propylbenzene	12.80	91	251621	20.525	ug/l	100
79) 2-Chlorotoluene	12.89	91	146975	20.834	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	177896	21.041	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12371	18.188	ug/l	99
82) 4-Chlorotoluene	12.99	91	156423	21.288	ug/l	100
83) tert-Butylbenzene	13.21	119	145286	20.605	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	178248	20.997	ug/l	100
85) sec-Butylbenzene	13.38	105	209804	20.621	ug/l	100
86) p-Isopropyltoluene	13.50	119	186509	20.438	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	93402	21.737	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	92909	21.472	ug/l	98
89) n-Butylbenzene	13.82	91	183258	20.131	ug/l	99
90) Hexachloroethane	14.10	117	32767	19.650	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	84595	21.701	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7386	20.412	ug/l	95

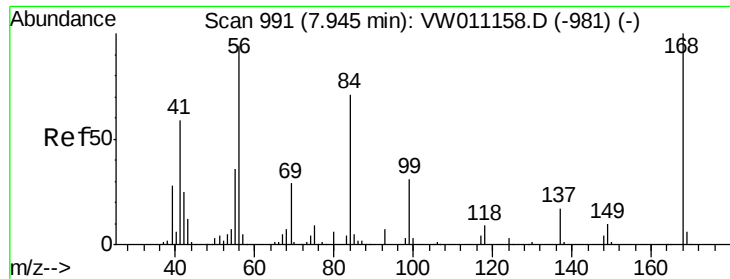
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57347	21.358	ug/l	99
94) Hexachlorobutadiene	15.24	225	34909	21.177	ug/l	98
95) Naphthalene	15.37	128	113177	21.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	52652	22.219	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: VW011350.D

Acq: 18 Jul 2019 23:50

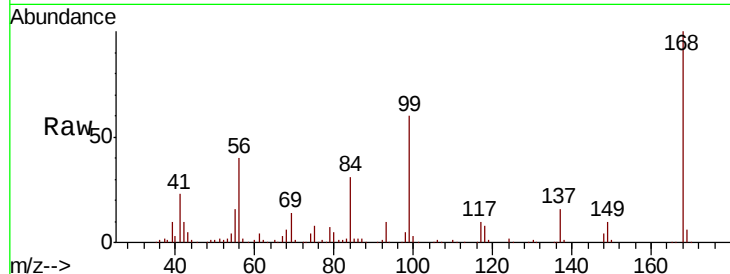
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 174432

Ion Ratio Lower Upper

168 100

99 59.8 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

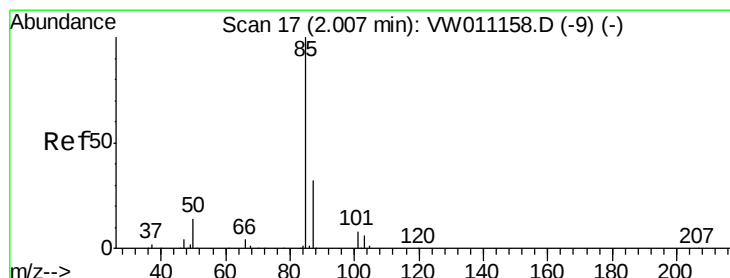
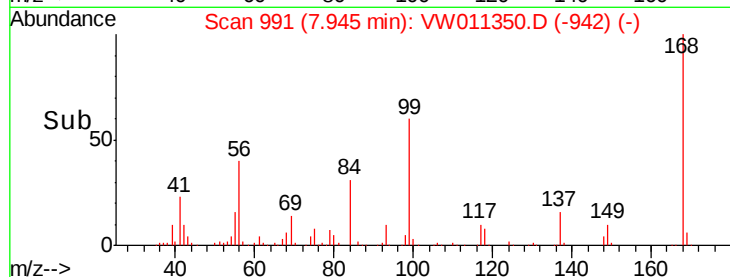
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 22.305 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011350.D

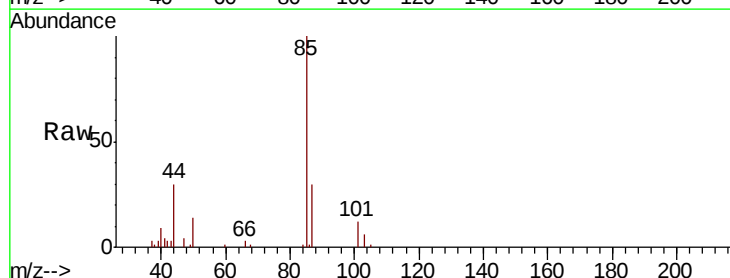
Acq: 18 Jul 2019 23:50

Tgt Ion: 85 Resp: 29017

Ion Ratio Lower Upper

85 100

87 29.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

6000

4000

2000

0

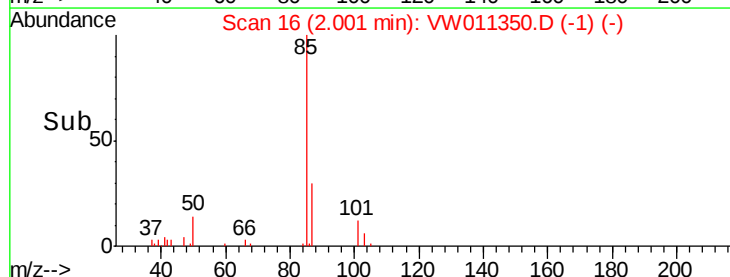
Time-->

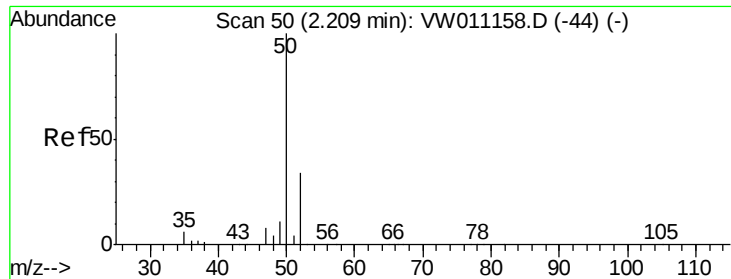
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 23.648 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

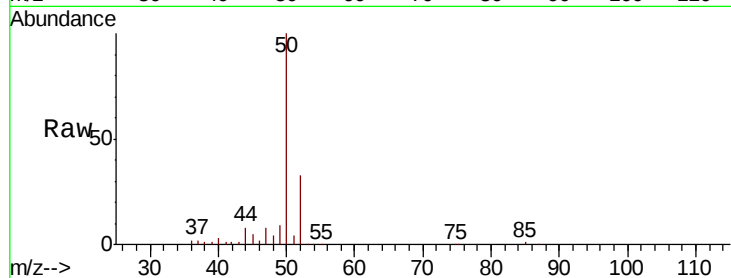
ClientSampled :

Tot Ion: 50 Resp: 39641

Ion Ratio Lower Upper

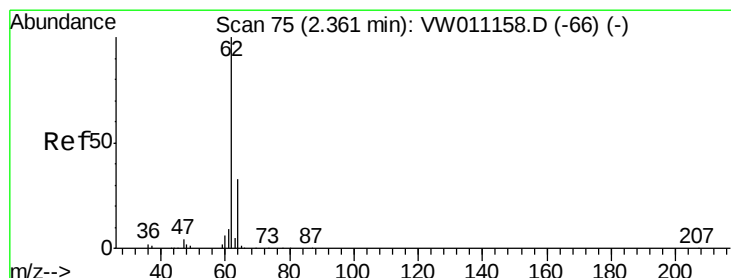
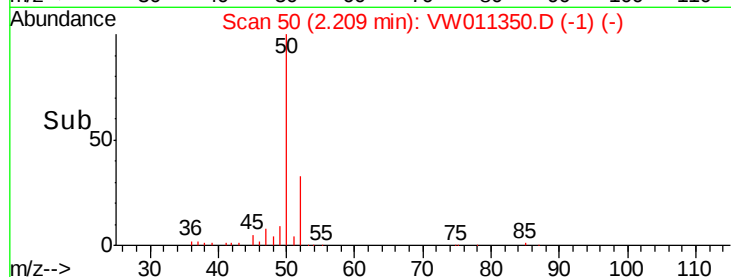
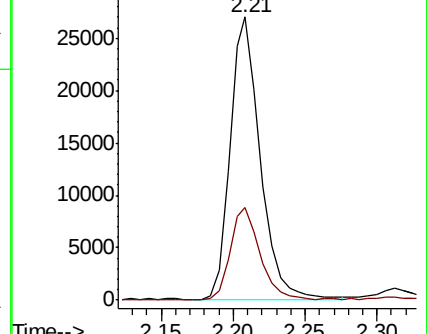
50 100

52 32.6 26.9 40.3



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.940 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011350.D

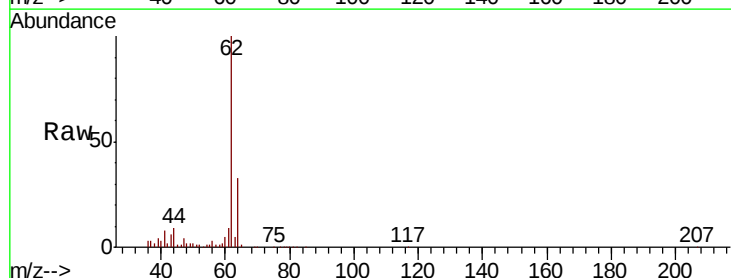
Acq: 18 Jul 2019 23:50

Tgt Ion: 62 Resp: 45944

Ion Ratio Lower Upper

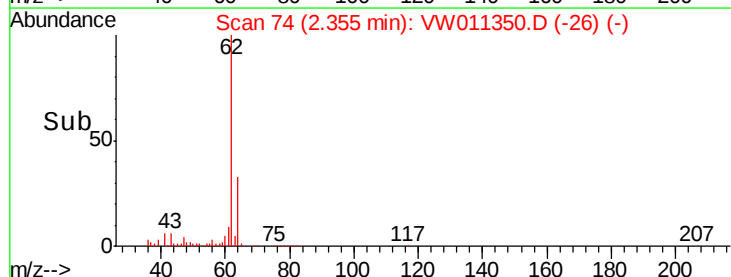
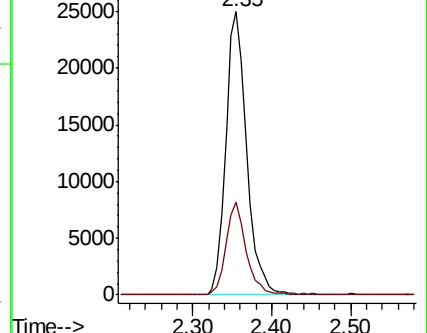
62 100

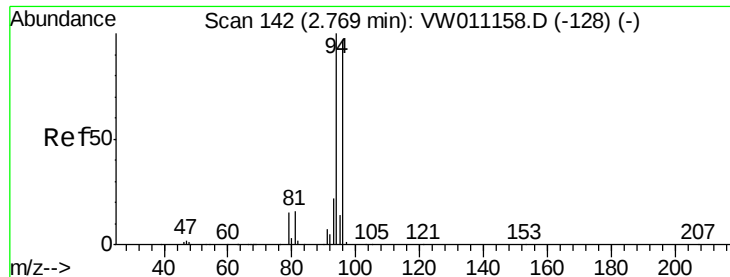
64 32.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 21.294 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

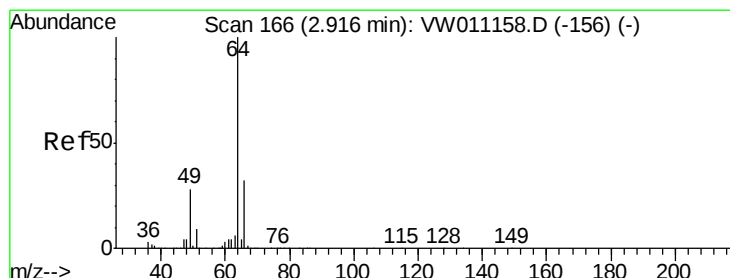
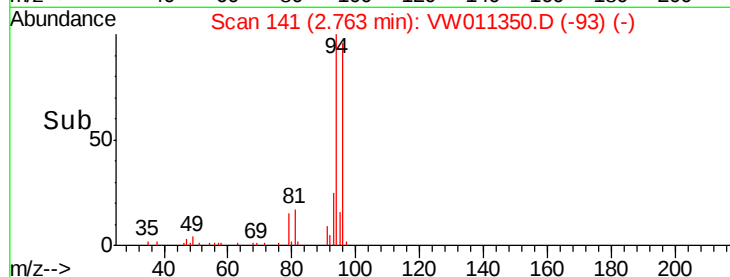
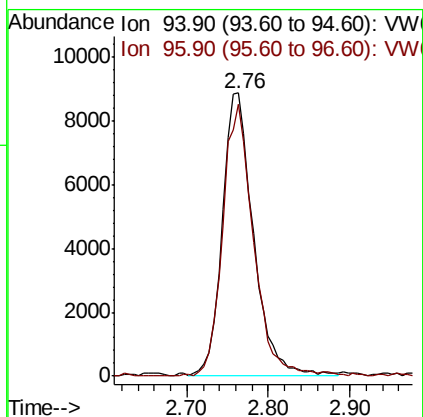
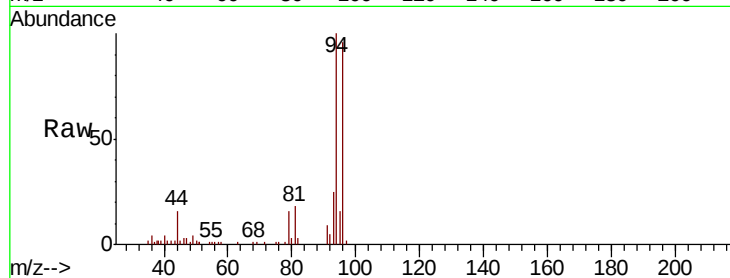
ClientSampleId :

Tot Ion: 94 Resp: 23477

Ion Ratio Lower Upper

94 100

96 95.3 77.4 116.0



#6

Chloroethane

Concen: 20.809 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011350.D

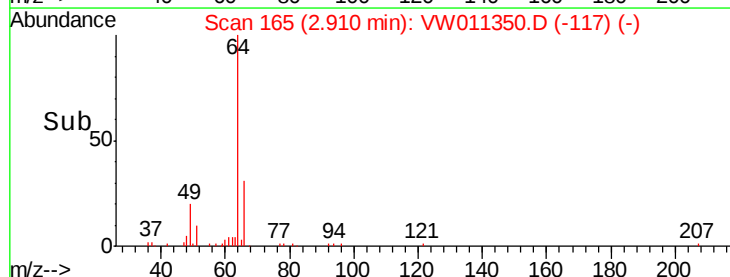
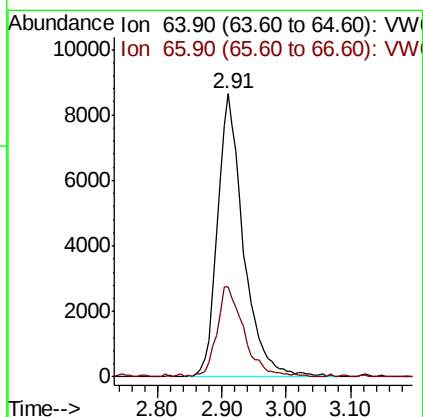
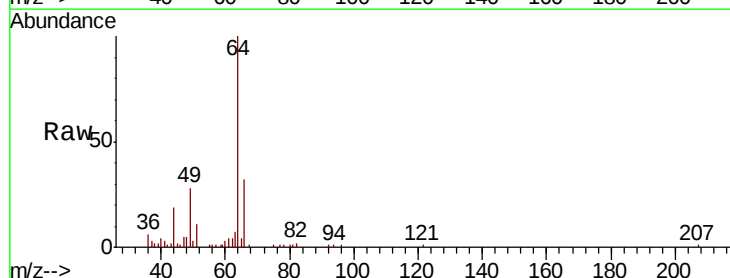
Acq: 18 Jul 2019 23:50

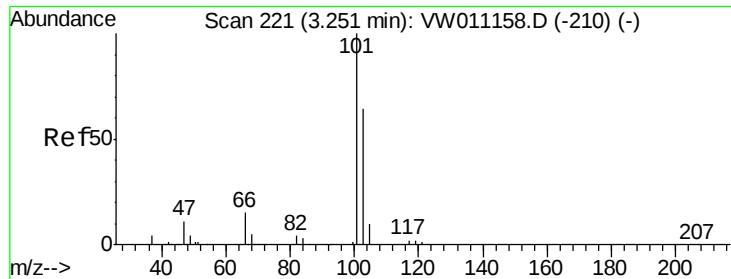
Tgt Ion: 64 Resp: 24592

Ion Ratio Lower Upper

64 100

66 31.8 25.8 38.8



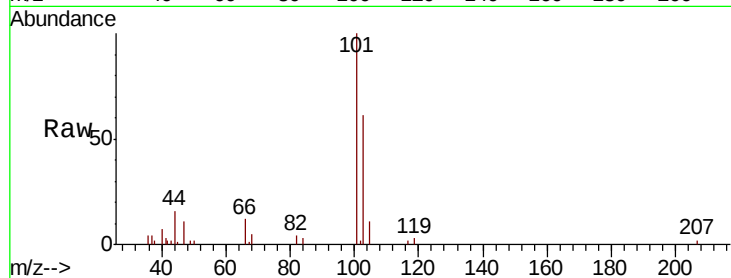


#7

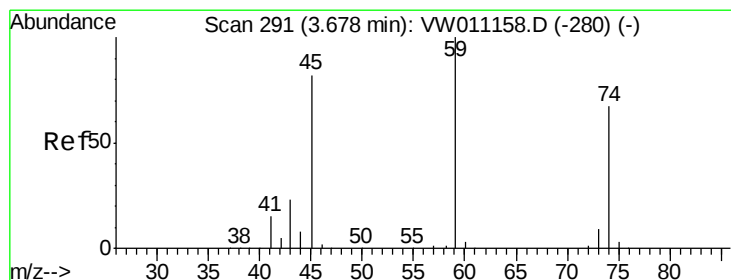
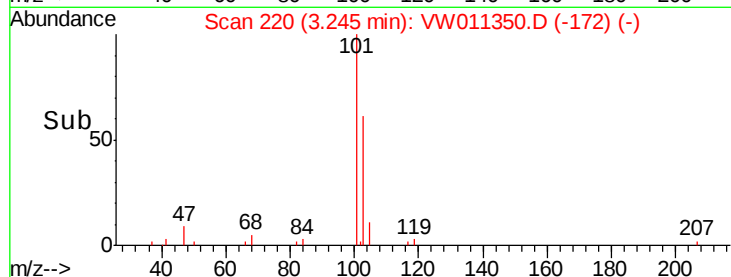
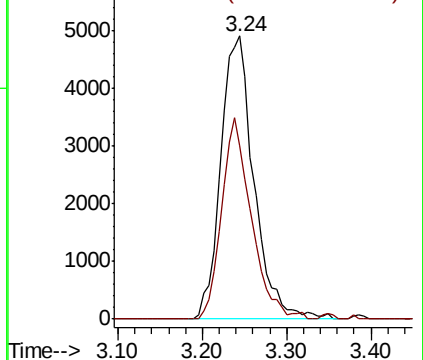
Trichlorofluoromethane
Concen: 16.994 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 13246
Ion Ratio Lower Upper
101 100
103 61.4 51.3 76.9



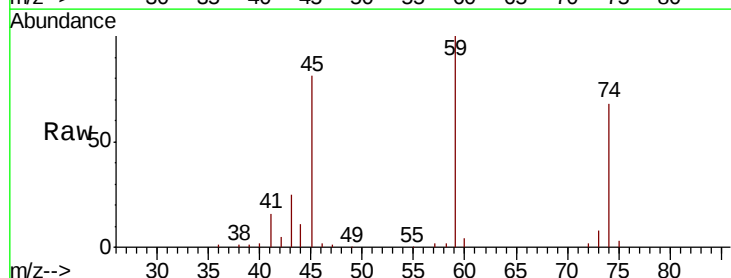
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



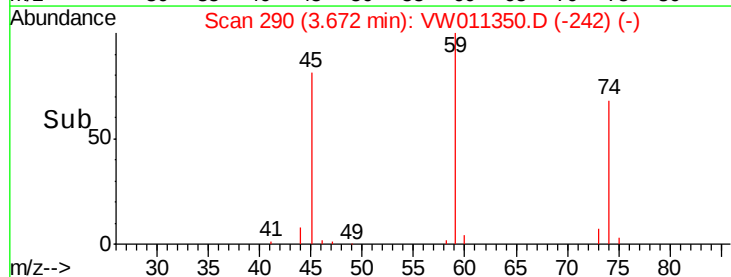
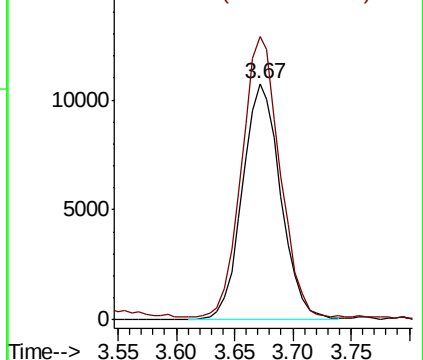
#8

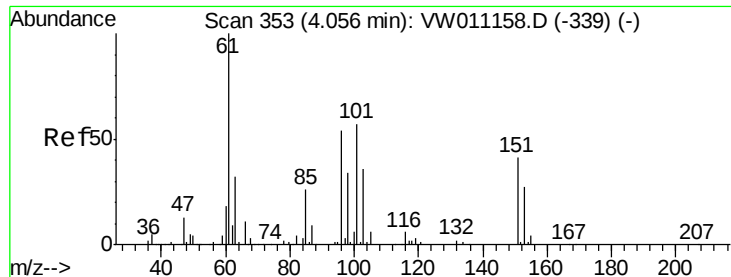
Diethyl Ether
Concen: 22.883 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 74 Resp: 24679
Ion Ratio Lower Upper
74 100
45 119.8 59.9 179.7



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.691 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

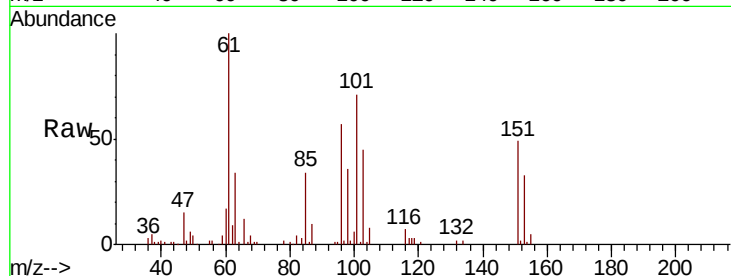
Tot Ion:101 Resp: 38629

Ion Ratio Lower Upper

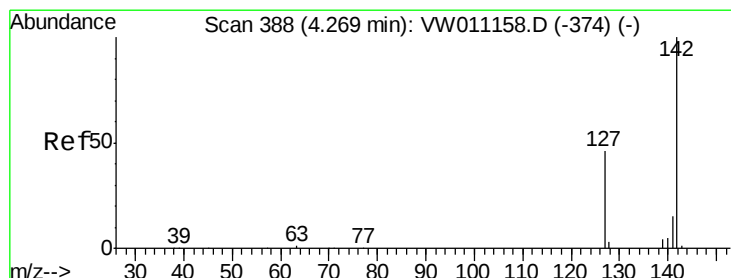
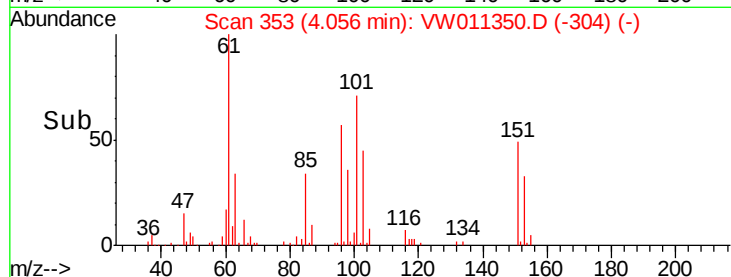
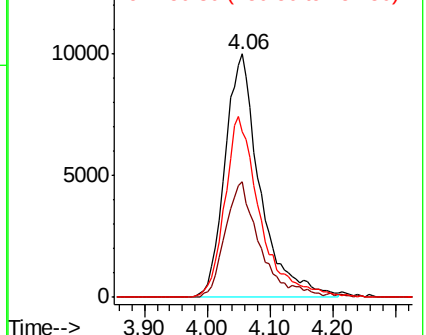
101 100

85 46.7 36.5 54.7

151 74.1 59.1 88.7



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: 21.820 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

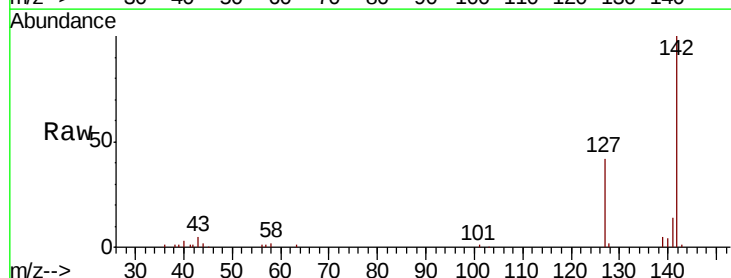
Tgt Ion:142 Resp: 56030

Ion Ratio Lower Upper

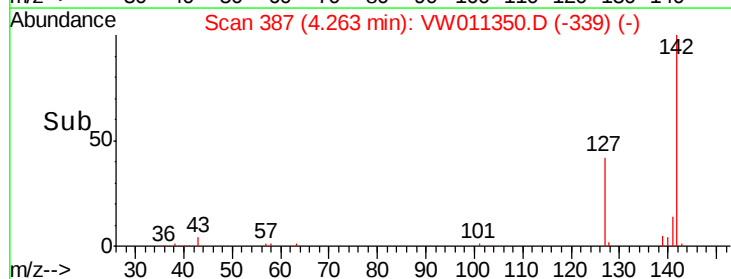
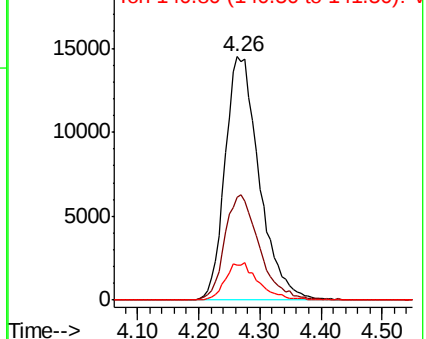
142 100

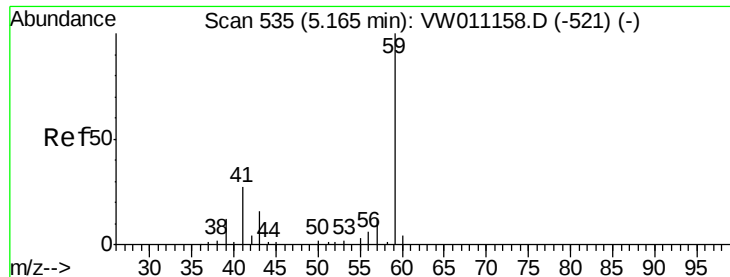
127 43.7 35.7 53.5

141 14.7 11.5 17.3



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

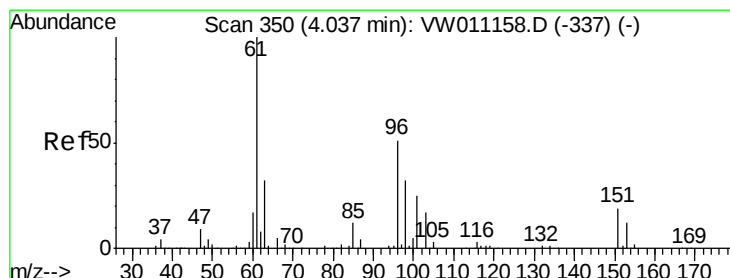
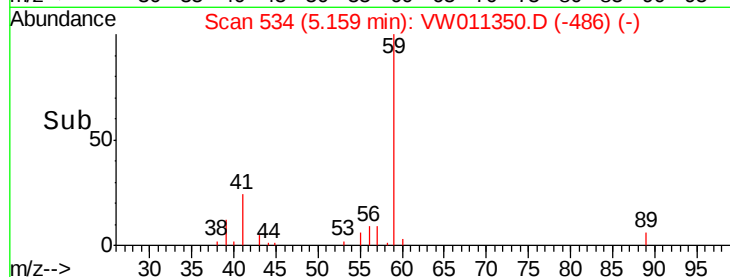
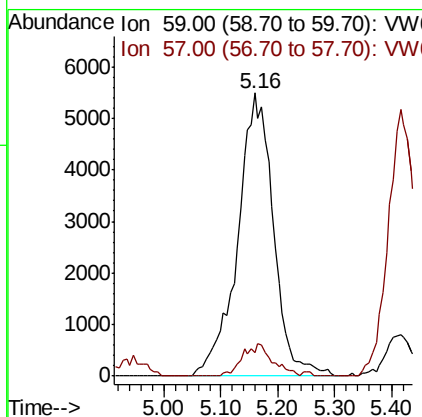
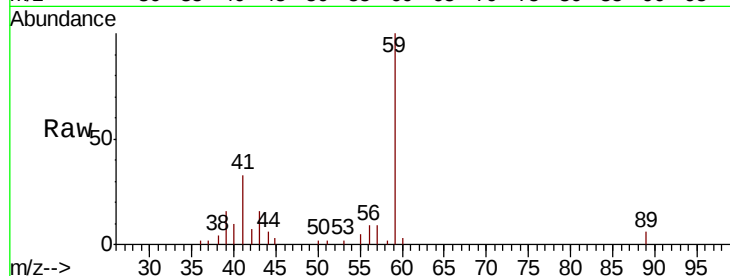




#11
Tert butyl alcohol
Concen: 148.342 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

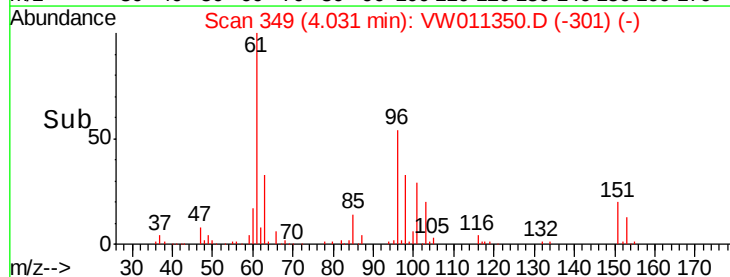
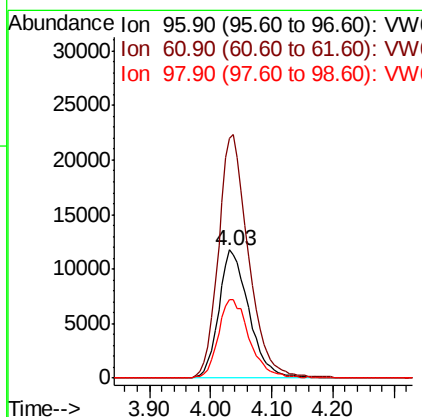
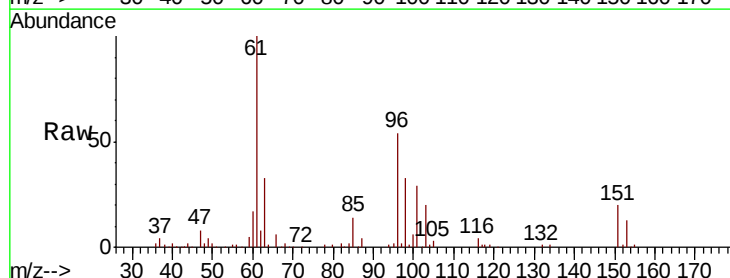
Instrument :
MSVOA_W
ClientSampleId :

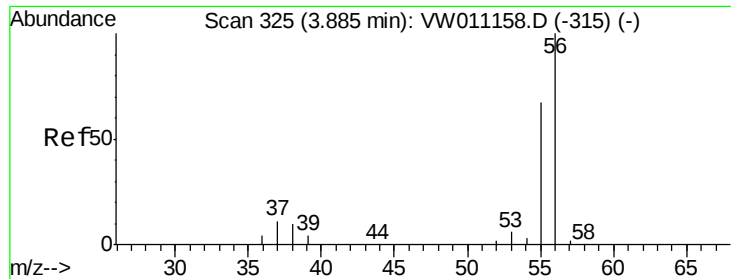
Tot Ion: 59 Resp: 24072
Ion Ratio Lower Upper
59 100
57 9.5 9.0 13.6



#12
1,1-Dichloroethene
Concen: 20.769 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 96 Resp: 40246
Ion Ratio Lower Upper
96 100
61 186.9 157.7 236.5
98 61.2 50.9 76.3





#13

Acrolein

Concen: 72.653 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

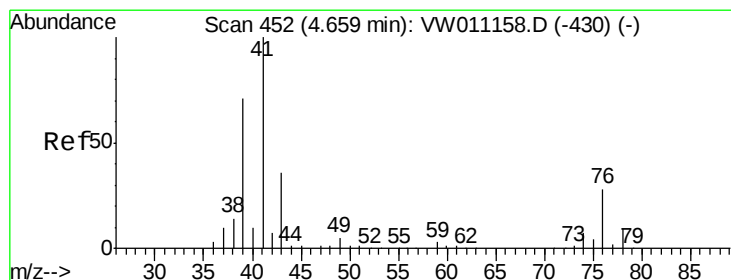
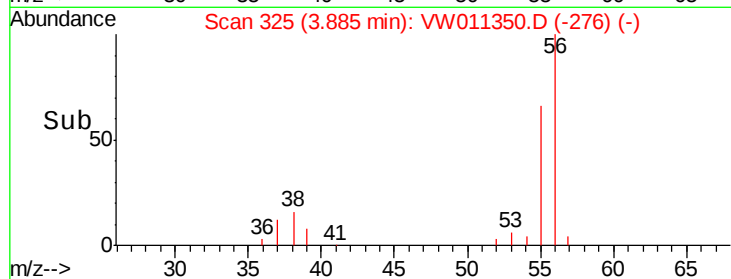
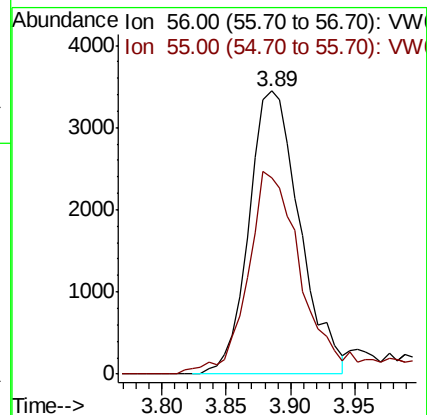
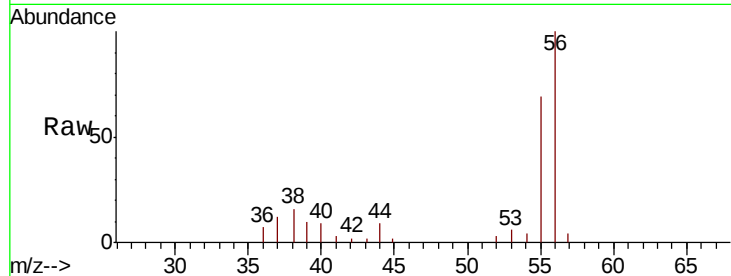
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 9388

Ion Ratio Lower Upper

56 100

55 76.5 56.4 84.6



#14

Allyl chloride

Concen: 19.928 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

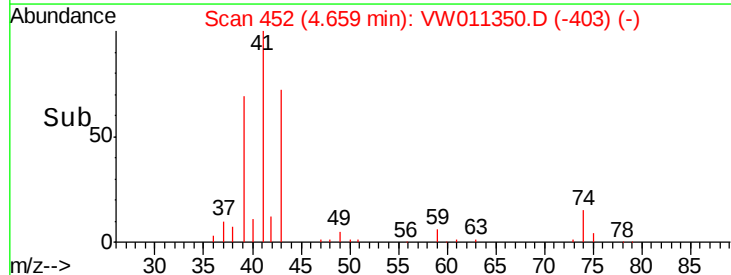
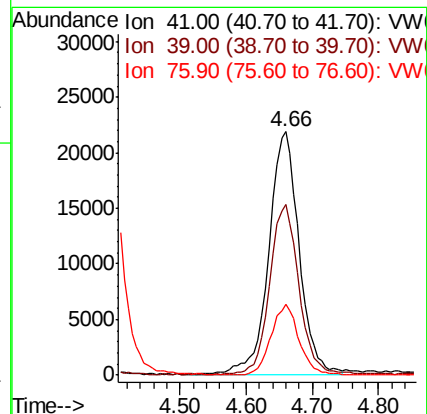
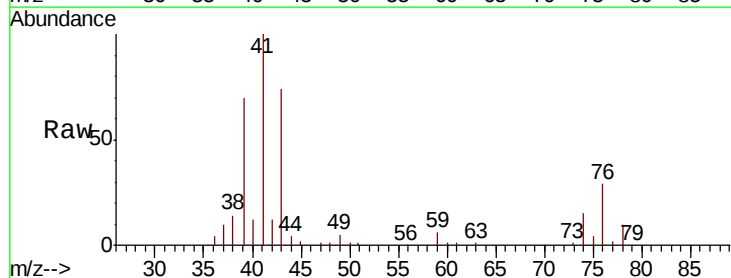
Tgt Ion: 41 Resp: 70418

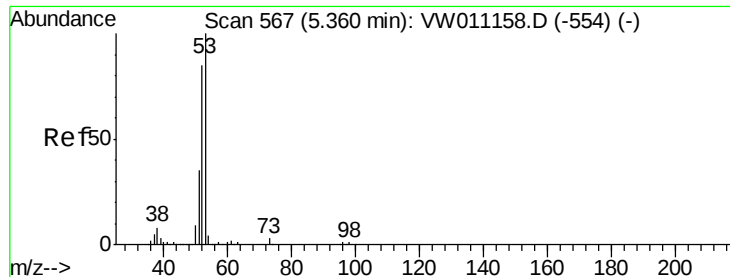
Ion Ratio Lower Upper

41 100

39 66.7 55.1 82.7

76 26.7 22.5 33.7





#15

Acrylonitrile

Concen: 118.621 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

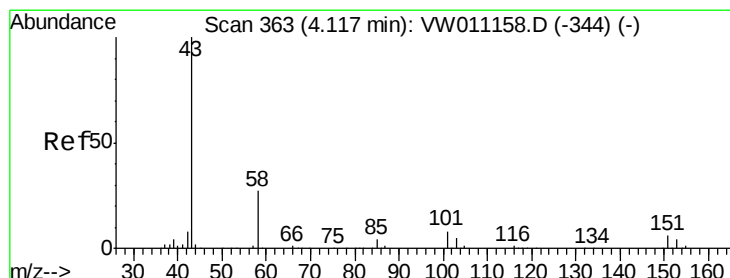
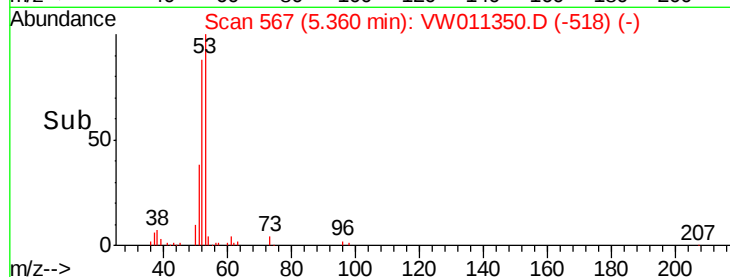
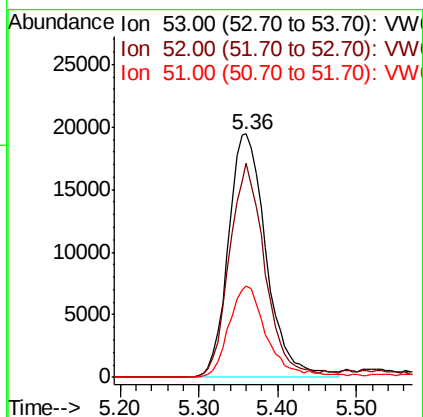
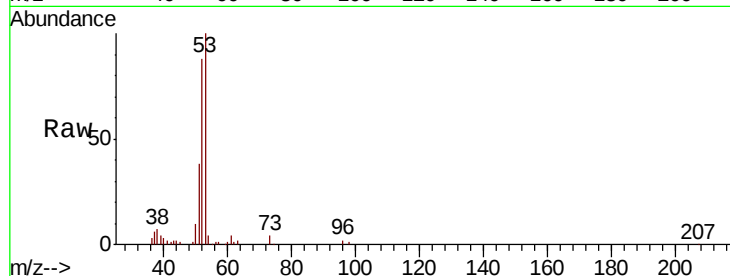
Tot Ion: 53 Resp: 65153

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.4

51 37.8 29.1 43.7



#16

Acetone

Concen: 119.526 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011350.D

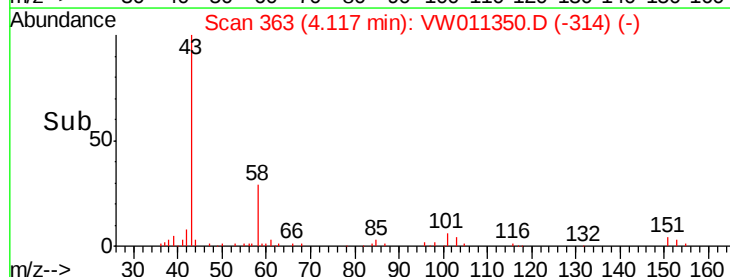
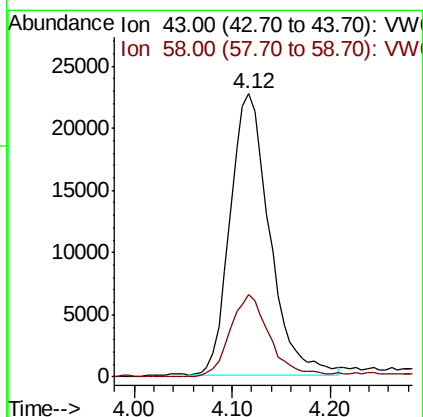
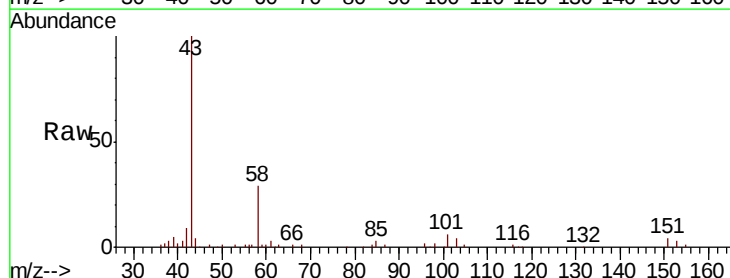
Acq: 18 Jul 2019 23:50

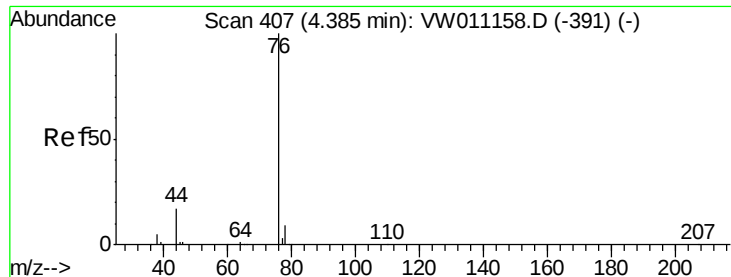
Tgt Ion: 43 Resp: 63035

Ion Ratio Lower Upper

43 100

58 28.9 21.8 32.6

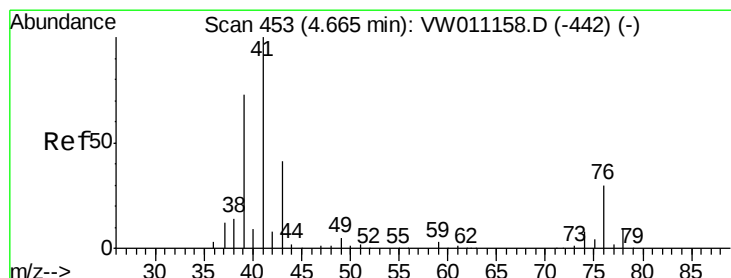
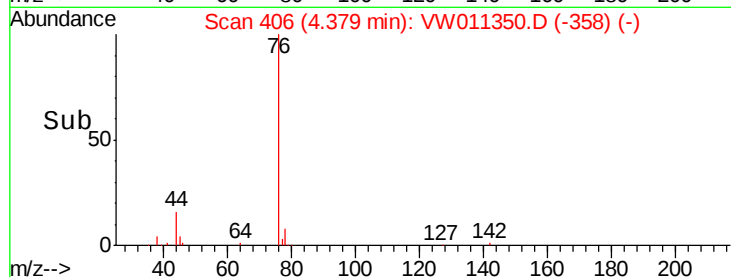
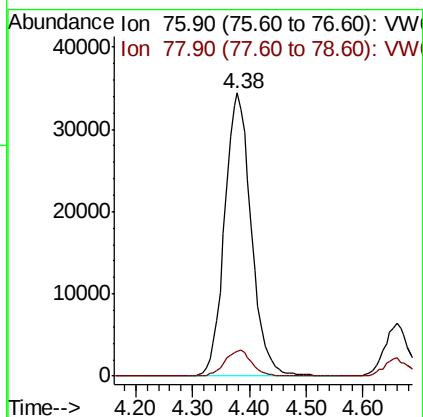
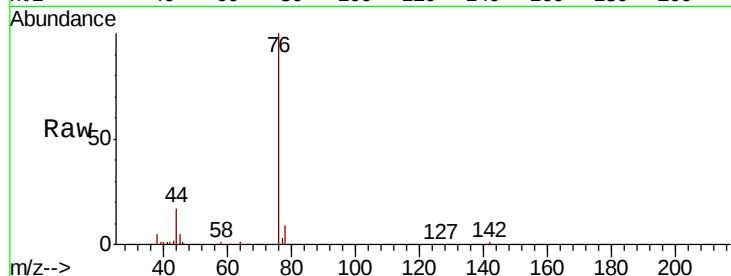




#17
Carbon Disulfide
Concen: 19.039 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

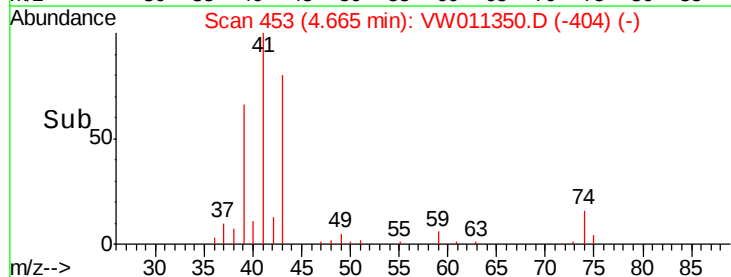
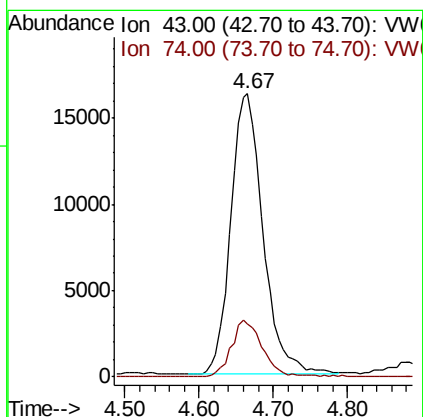
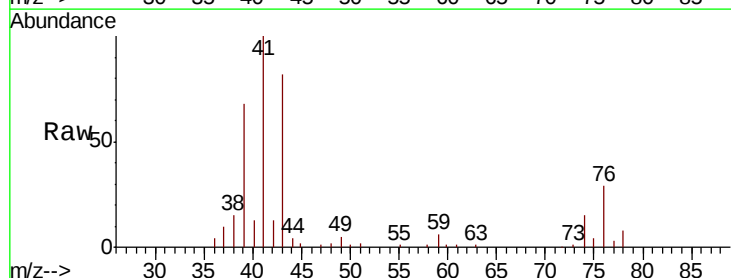
Instrument :
MSVOA_W
ClientSampleId :

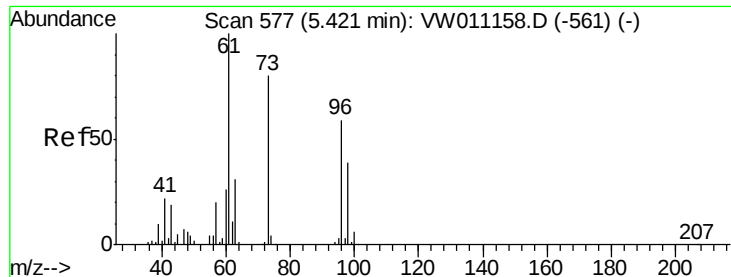
Tot Ion: 76 Resp: 111849
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 32.531 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 43 Resp: 49528
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

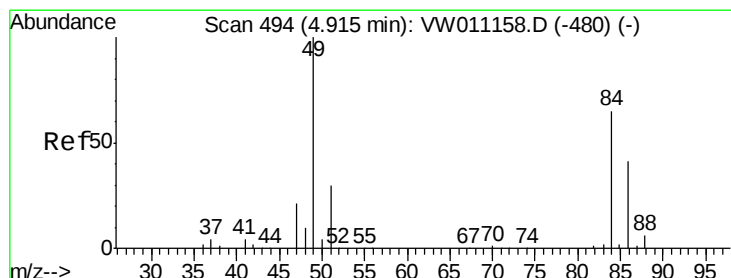
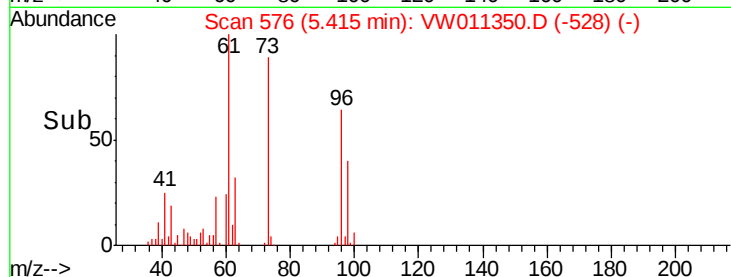
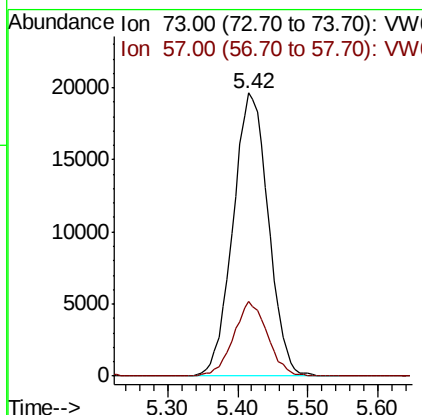
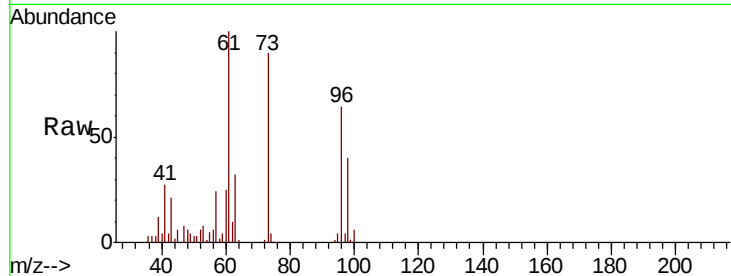




#19
Methvl tert-butvl Ether
Concen: 23.451 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

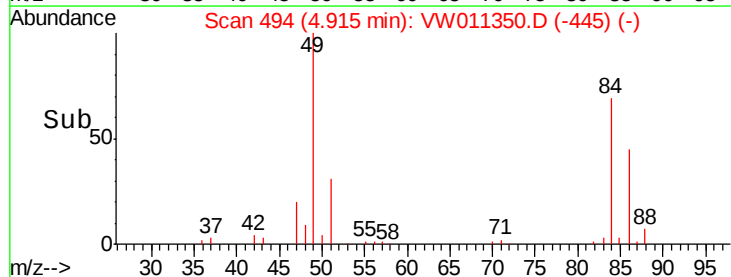
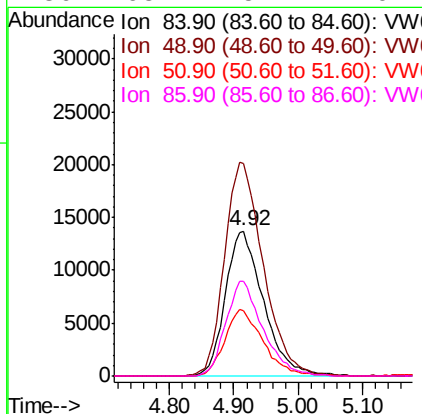
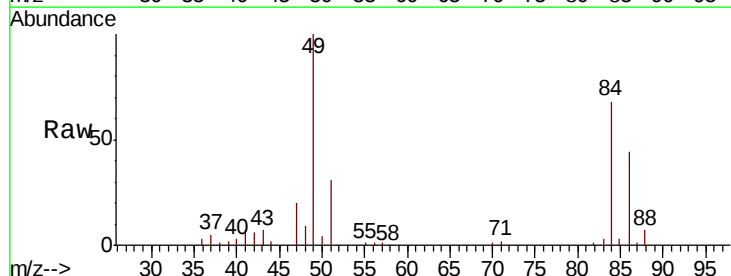
Instrument :
MSVOA_W
ClientSampleId :

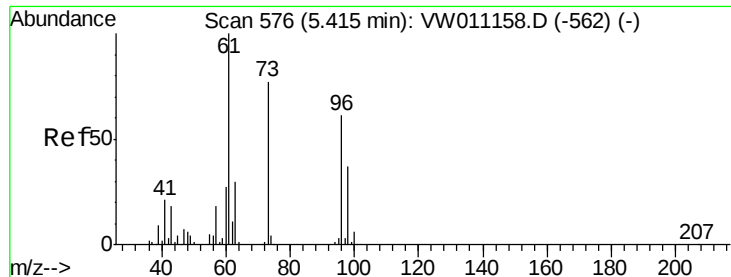
Tot Ion: 73 Resp: 68952
Ion Ratio Lower Upper
73 100
57 26.4 19.7 29.5



#20
Methylene Chloride
Concen: 27.126 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 84 Resp: 56434
Ion Ratio Lower Upper
84 100
49 146.3 123.8 185.6
51 45.6 37.4 56.2
86 65.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 21.869 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

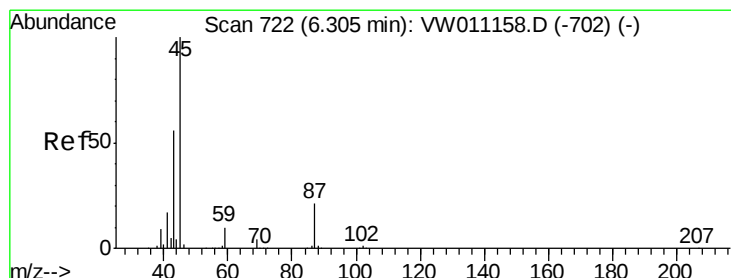
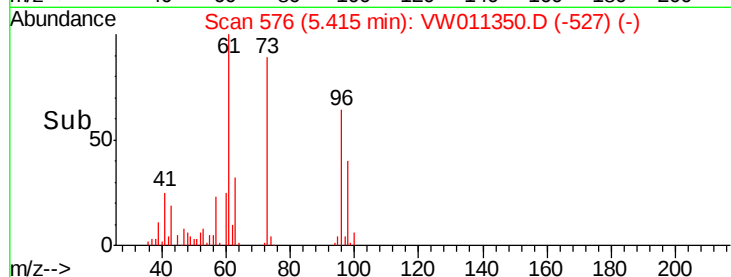
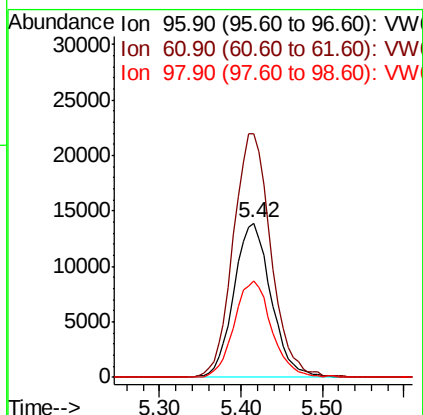
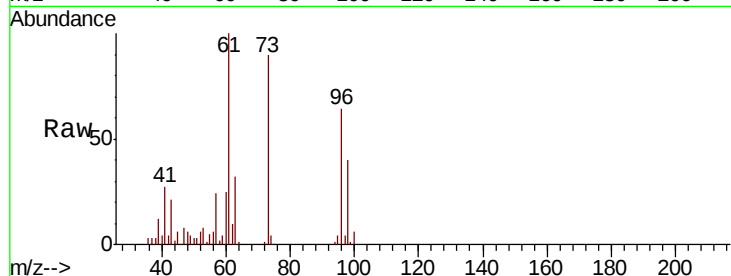
Tot Ion: 96 Resp: 44034

Ion Ratio Lower Upper

96 100

61 156.7 132.2 198.2

98 62.4 49.4 74.0



#22

Diisopropyl ether

Concen: 23.003 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion: 45 Resp: 174828

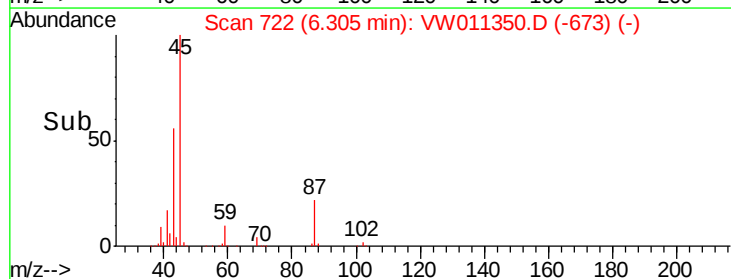
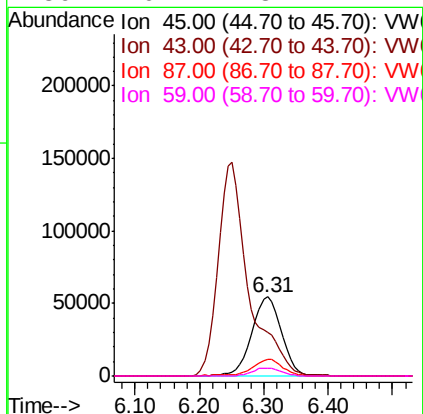
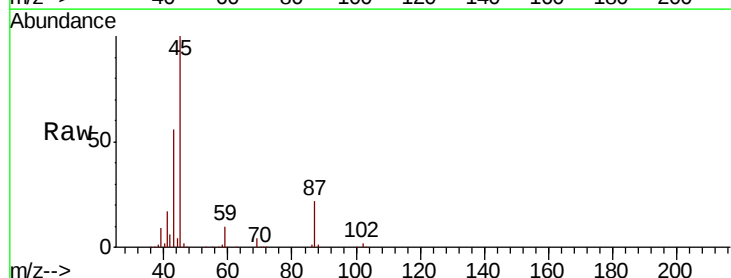
Ion Ratio Lower Upper

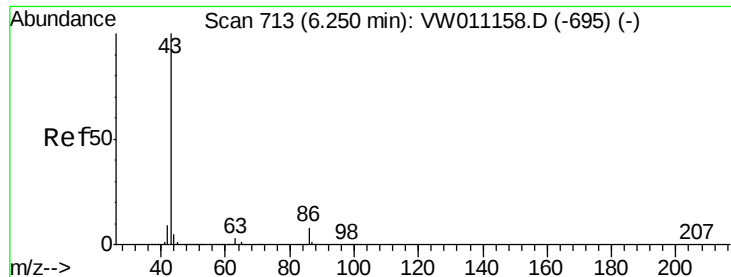
45 100

43 55.5 44.6 66.8

87 21.4 17.3 25.9

59 10.1 8.2 12.2





#23

Vinyl Acetate

Concen: 104.405 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

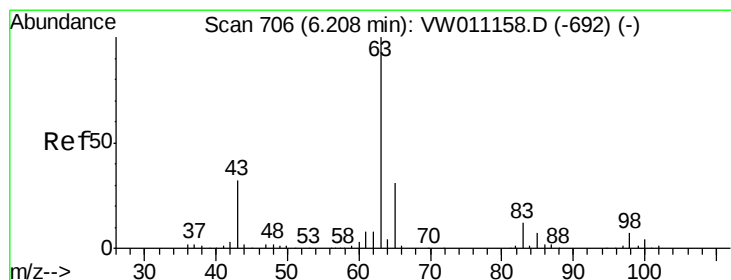
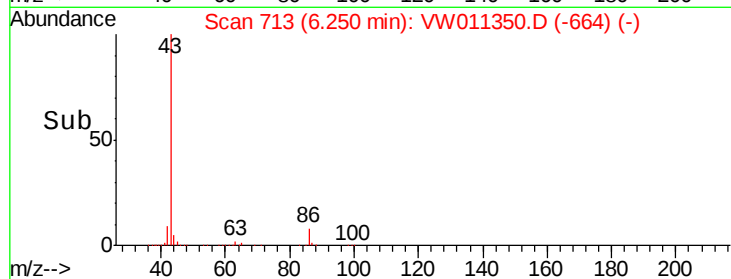
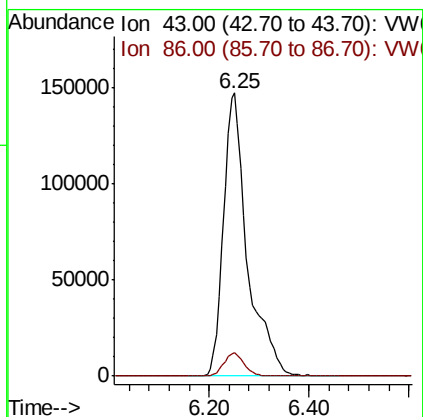
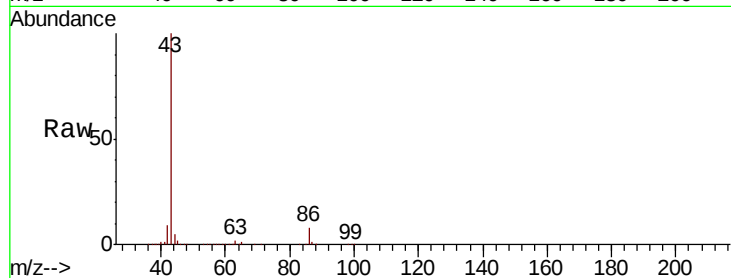
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 491067

Ion Ratio Lower Upper

43 100

86 8.4 6.5 9.7



#24

1,1-Dichloroethane

Concen: 22.526 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

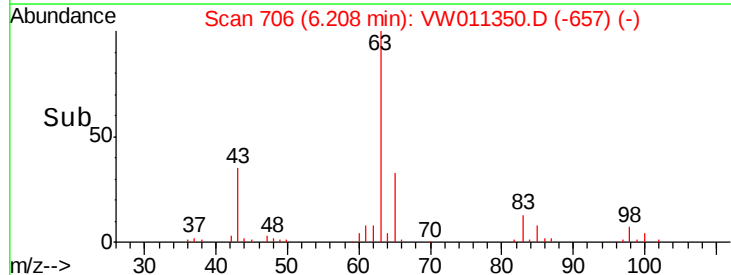
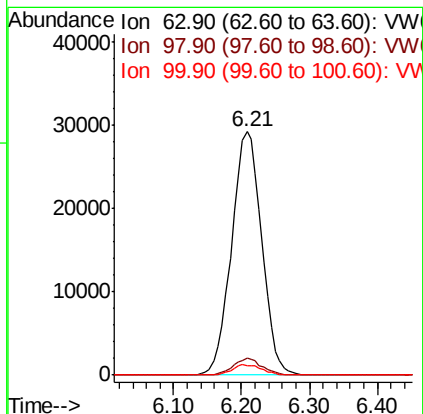
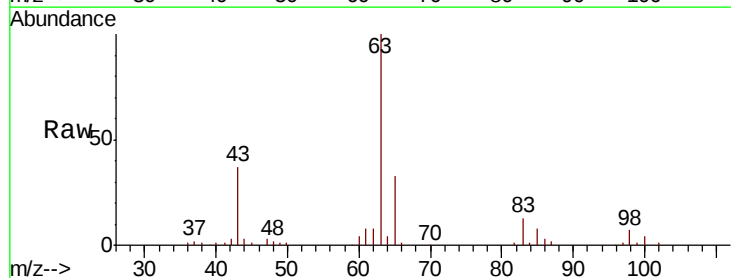
Tgt Ion: 63 Resp: 89898

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 126.072 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

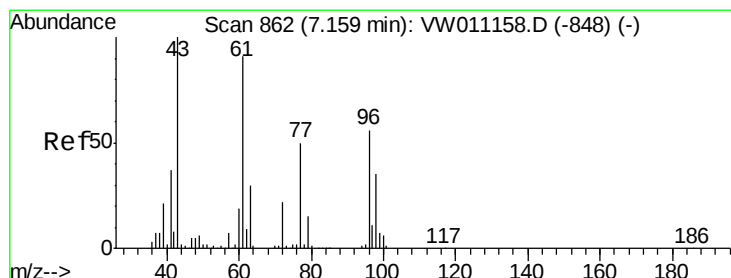
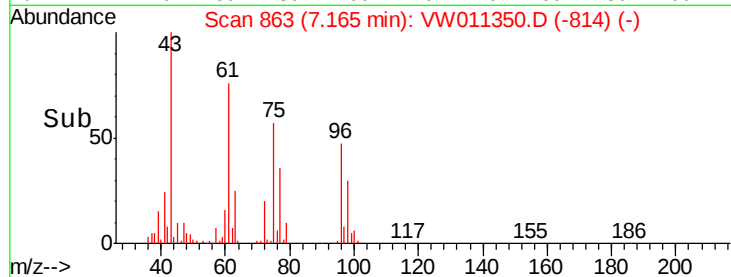
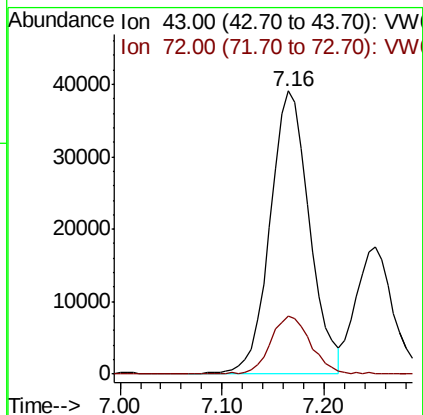
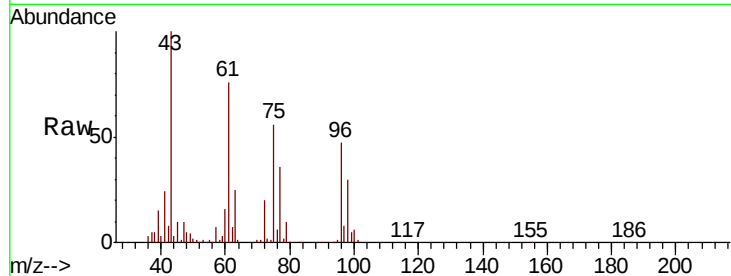
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 104367

Ion Ratio Lower Upper

43 100

72 20.4 17.6 26.4



#26

2,2-Dichloropropane

Concen: 21.305 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW011350.D

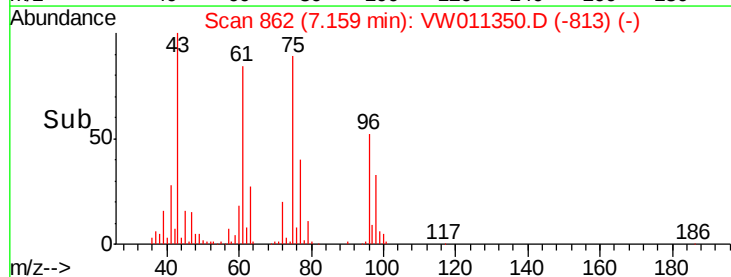
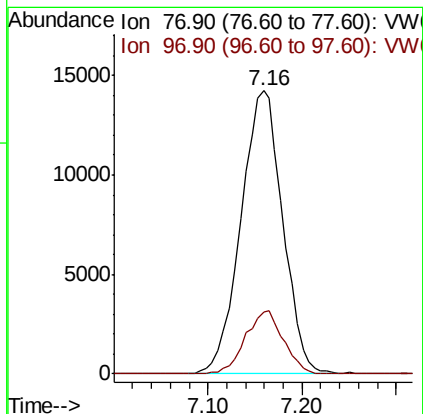
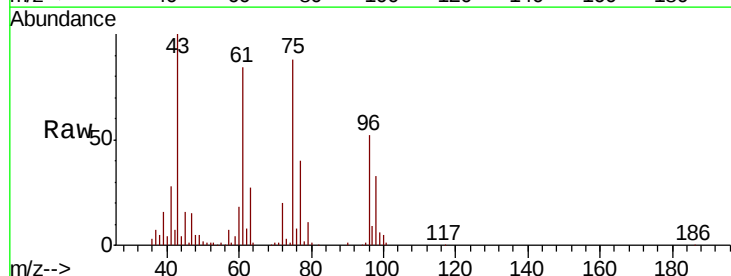
Acq: 18 Jul 2019 23:50

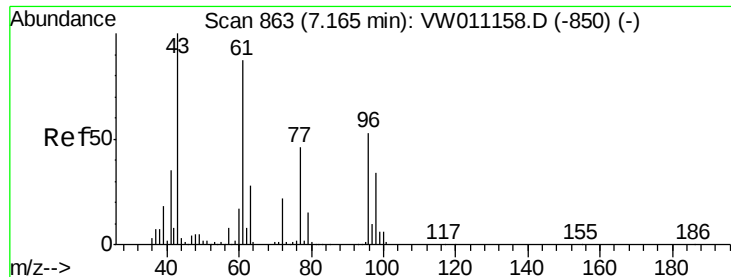
Tgt Ion: 77 Resp: 44197

Ion Ratio Lower Upper

77 100

97 20.2 11.2 33.5



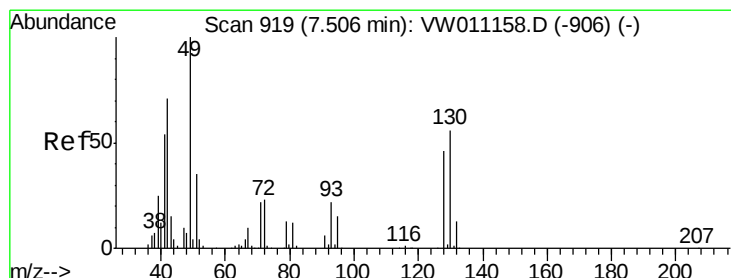
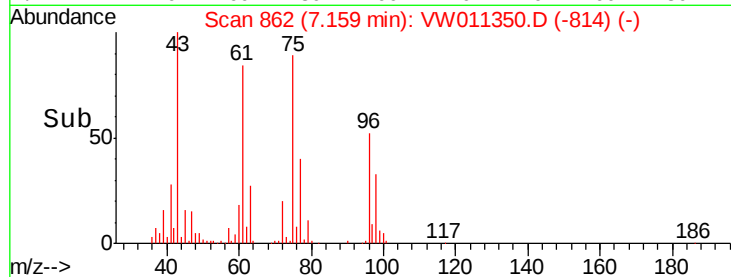
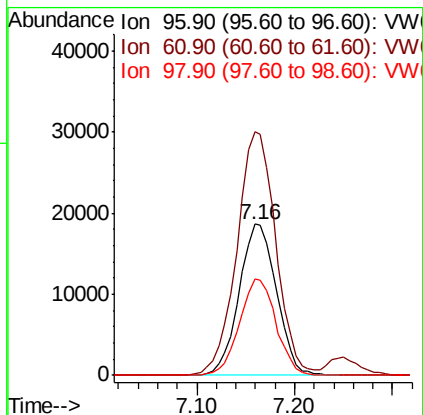
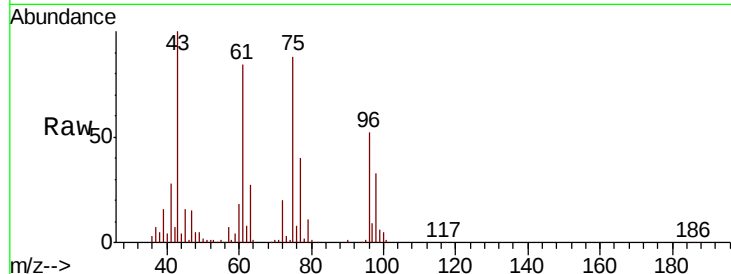


#27

cis-1,2-Dichloroethene
 Concen: 22.705 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampled :

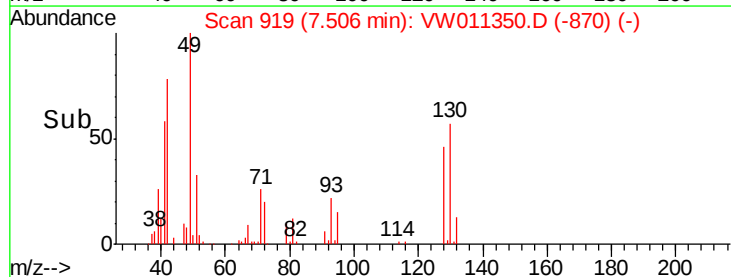
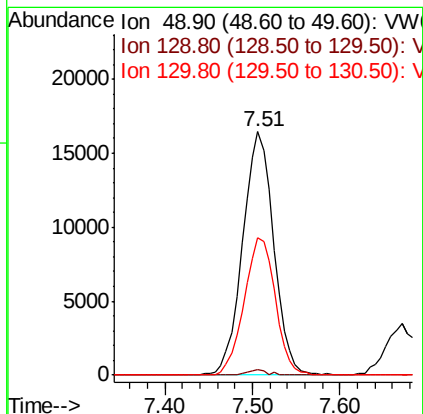
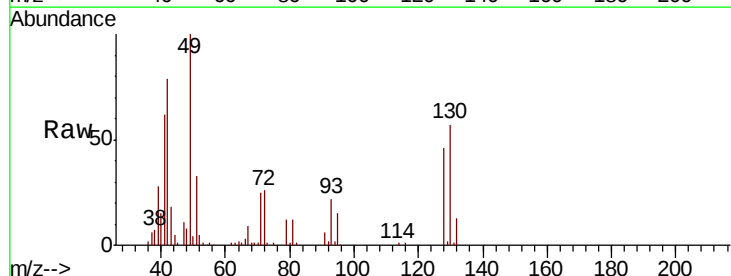
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	325.6
98	62.2	0.0	128.2

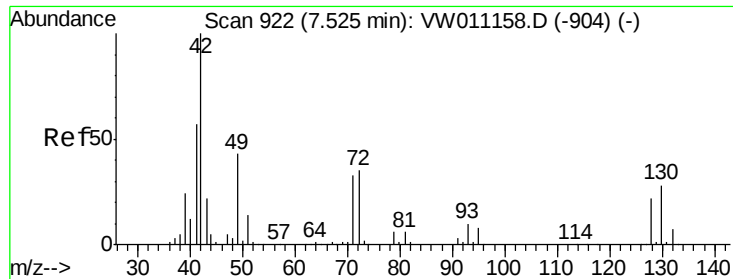


#28

Bromochloromethane
 Concen: 22.401 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4#
130	56.5	45.8	68.8

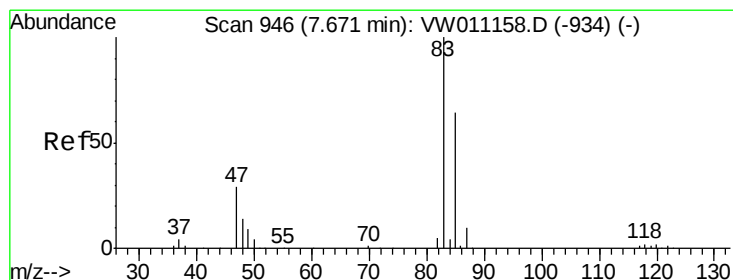
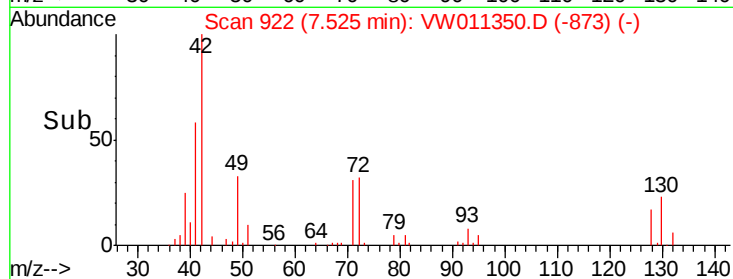
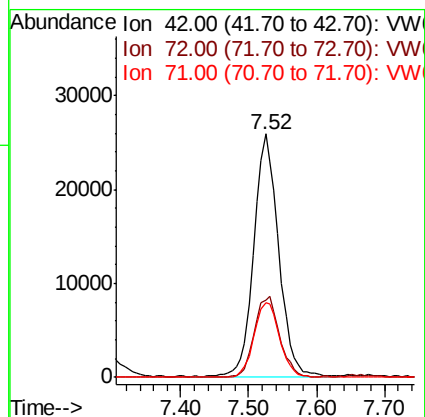
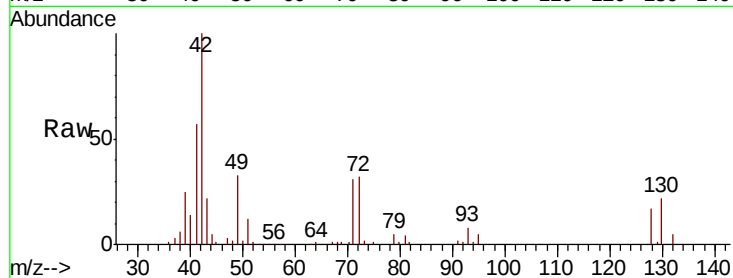




#29
Tetrahydrofuran
Concen: 123.218 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

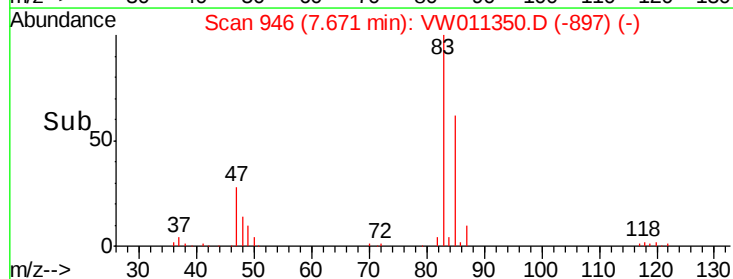
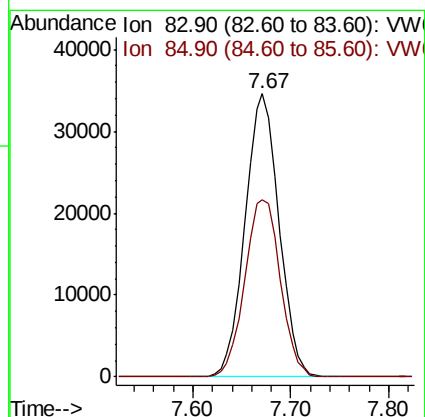
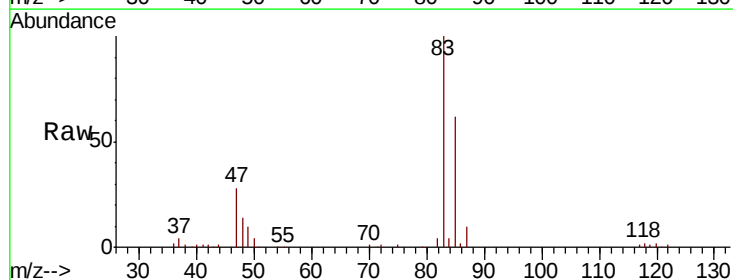
Instrument :
MSVOA_W
ClientSampleId :

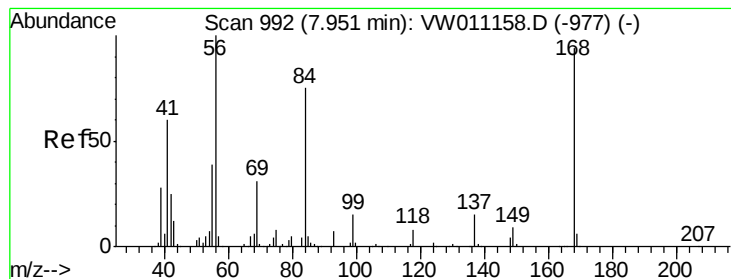
Tot Ion: 42 Resp: 66885
Ion Ratio Lower Upper
42 100
72 33.5 27.4 41.2
71 31.3 25.9 38.9



#30
Chloroform
Concen: 22.519 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 83 Resp: 83231
Ion Ratio Lower Upper
83 100
85 62.4 51.4 77.2





#31

Cyclohexane

Concen: 20.254 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

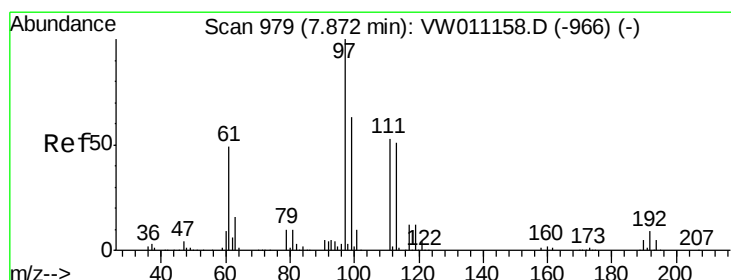
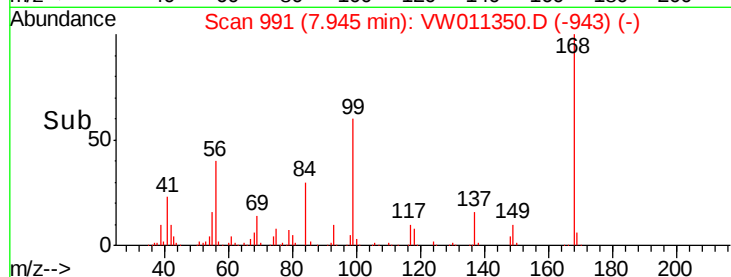
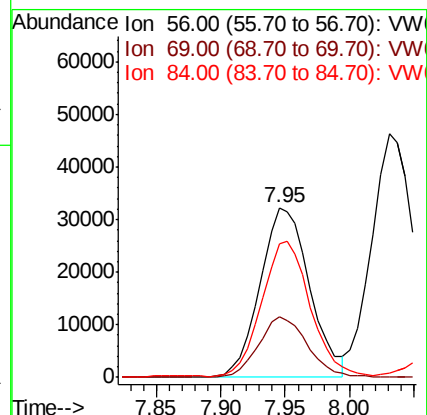
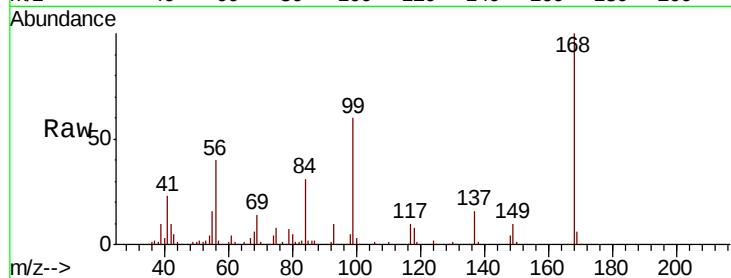
Tot Ion: 56 Resp: 85995

Ion Ratio Lower Upper

56 100

69 35.7 24.6 36.8

84 77.4 60.1 90.1



#32

1,1,1-Trichloroethane

Concen: 21.181 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

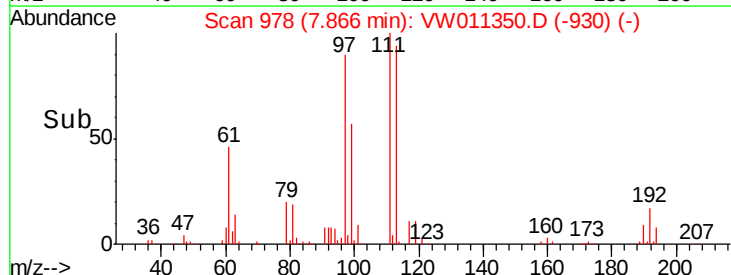
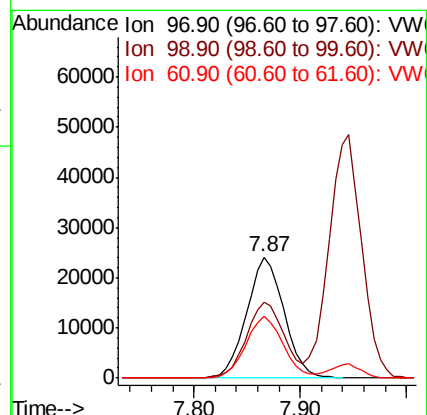
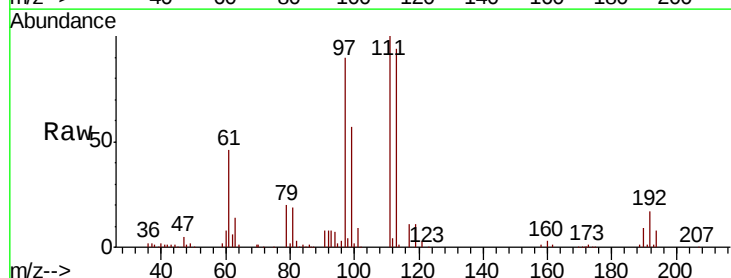
Tgt Ion: 97 Resp: 59552

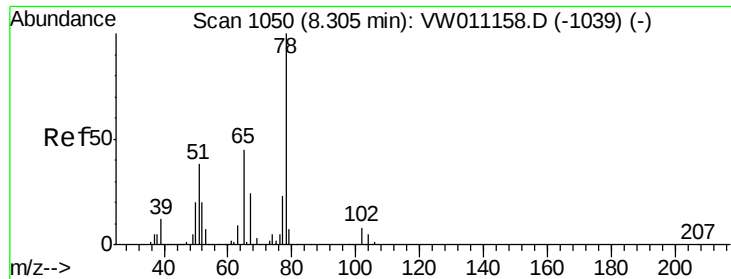
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.4

61 50.8 40.4 60.6

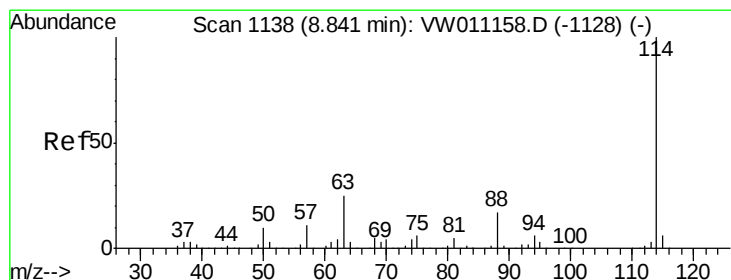
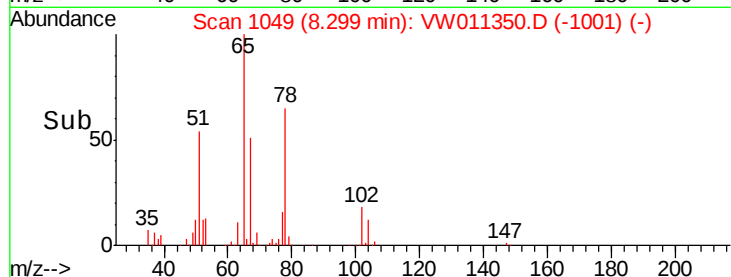
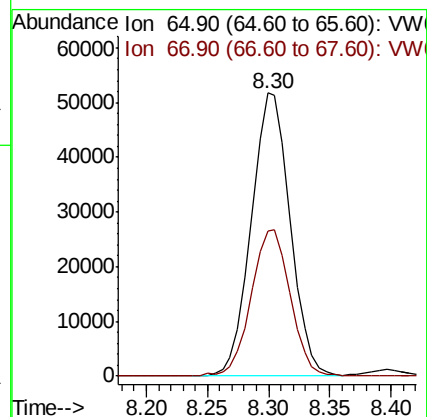
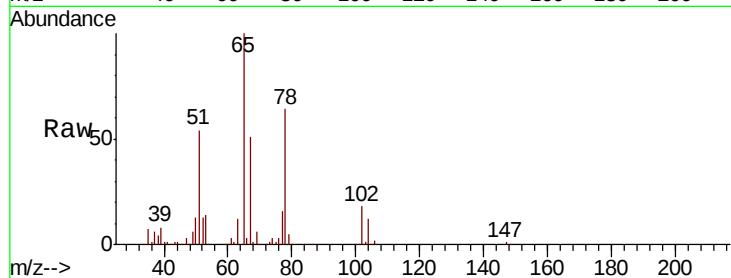




#33
 1,2-Dichloroethane-d4
 Concen: 52.134 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

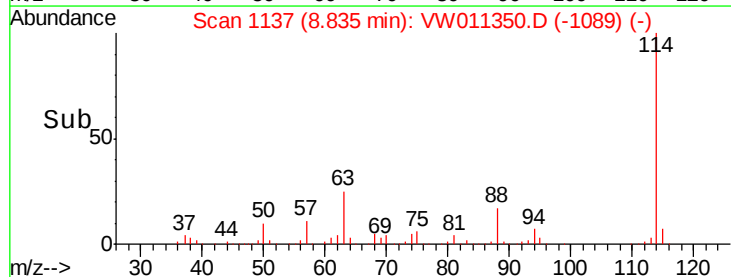
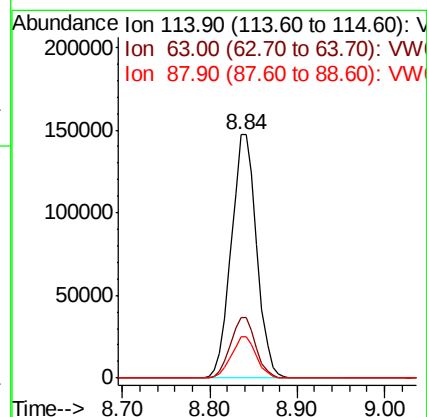
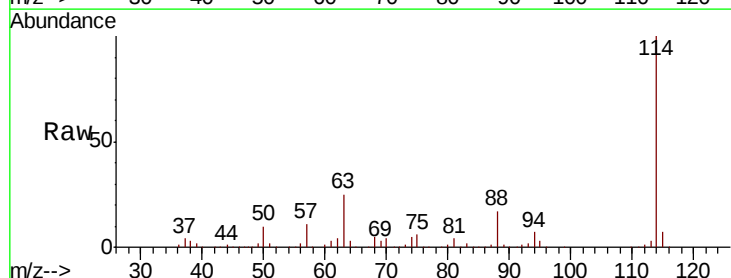
Instrument :
 MSVOA_W
 ClientSampleId :

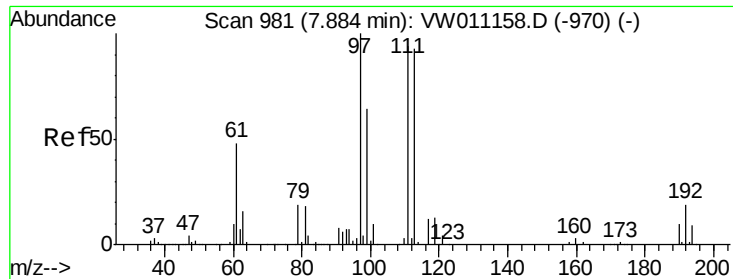
Tot Ion: 65 Resp: 114268
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 114 Resp: 297356
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.8
 88 17.2 0.0 34.2

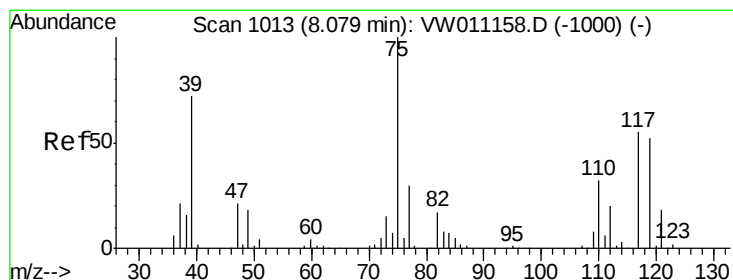
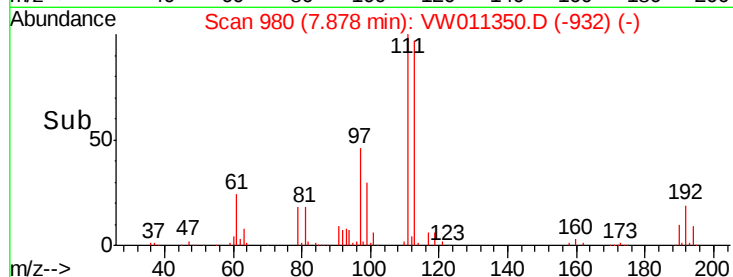
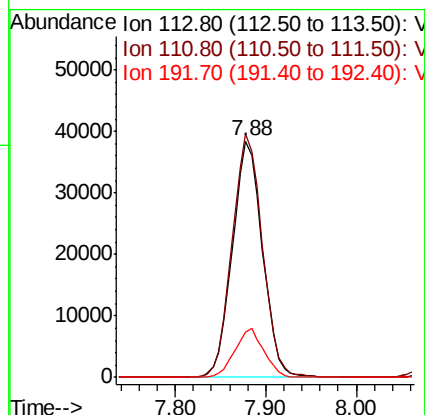
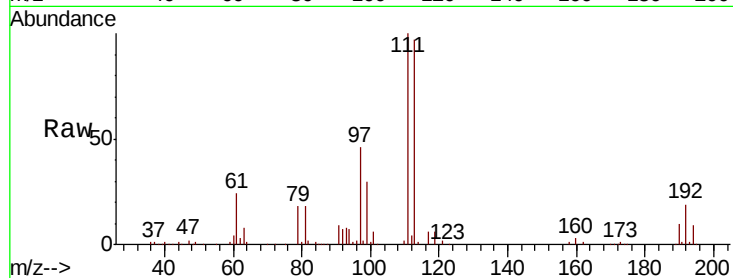




#35
 Dibromofluoromethane
 Concen: 49.951 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

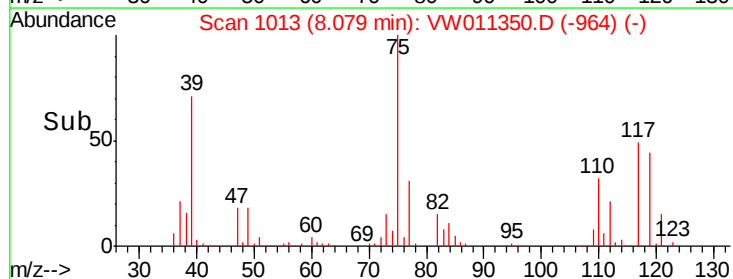
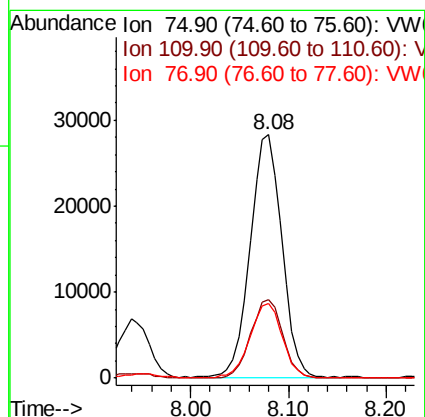
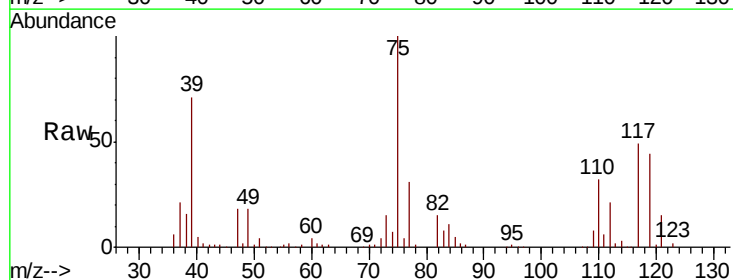
Instrument :
 MSVOA_W
 ClientSampled :

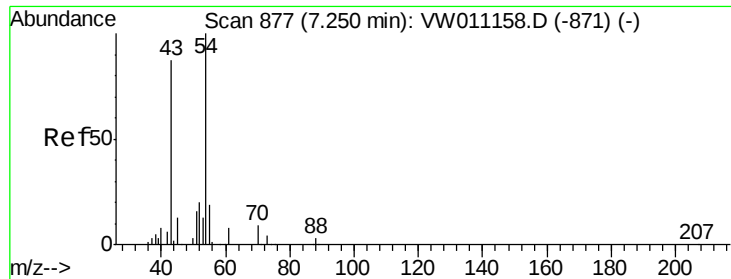
Tot Ion:113 Resp: 88532
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.4 123.6
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 20.200 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 75 Resp: 63966
 Ion Ratio Lower Upper
 75 100
 110 32.5 15.9 47.6
 77 31.6 24.6 36.8

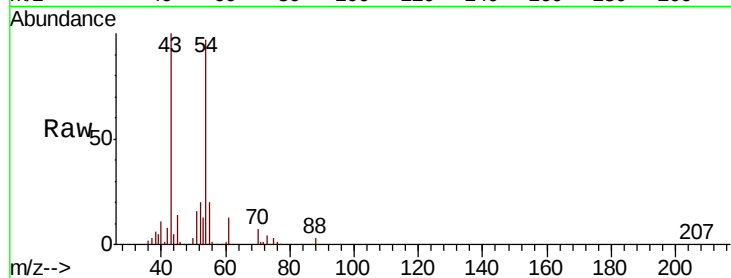




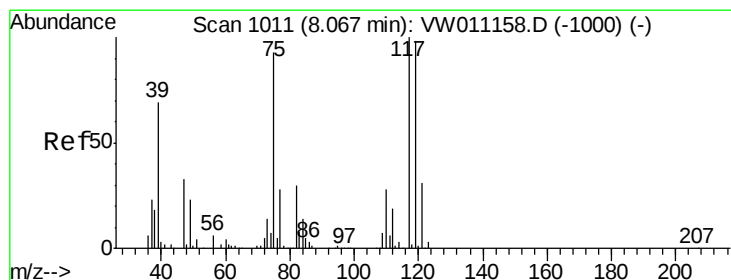
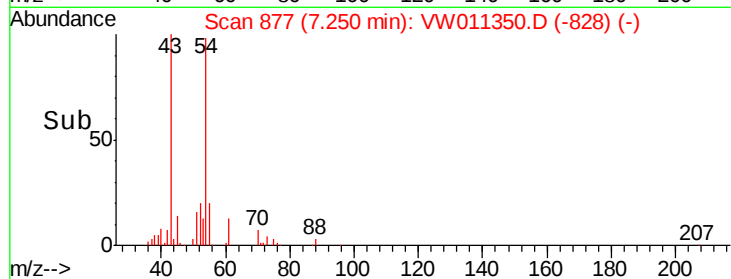
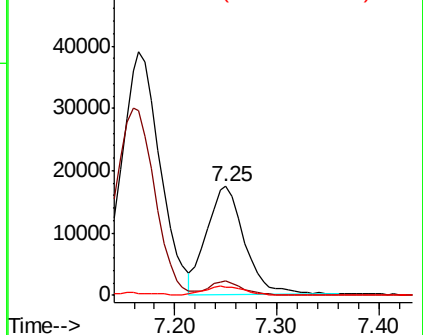
#37
Ethyl Acetate
Concen: 23.472 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 44657
Ion Ratio Lower Upper
43 100
61 11.7 9.5 14.3
70 8.8 7.1 10.7

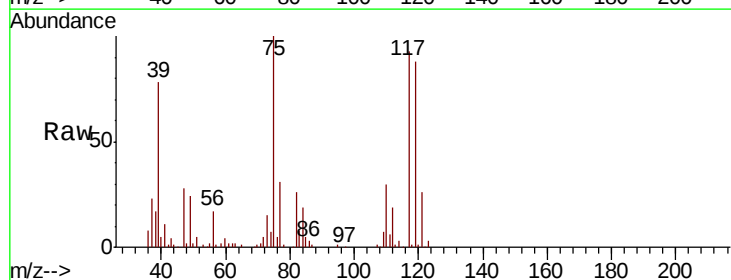


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

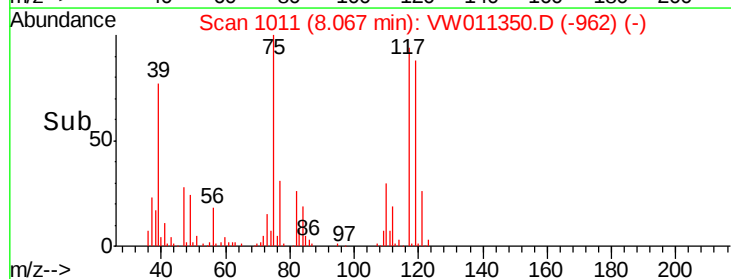
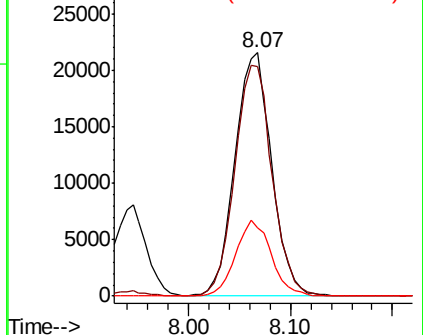


#38
Carbon Tetrachloride
Concen: 20.068 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 117 Resp: 53869
Ion Ratio Lower Upper
117 100
119 94.0 78.1 117.1
121 28.1 25.1 37.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

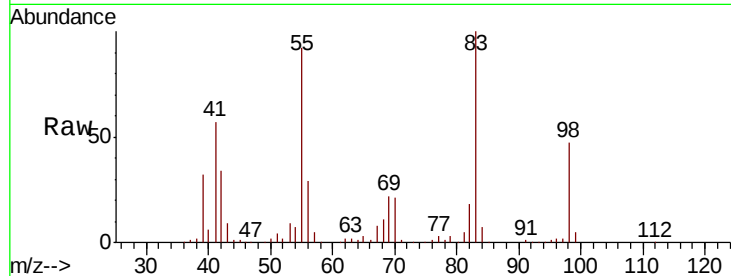




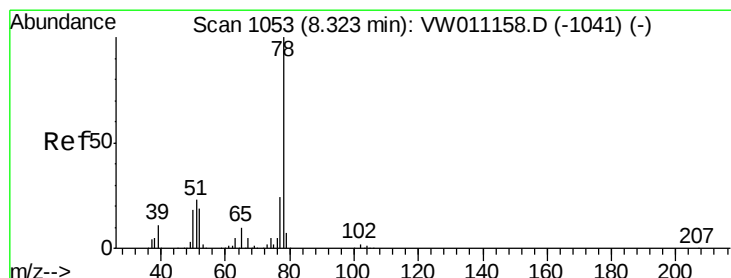
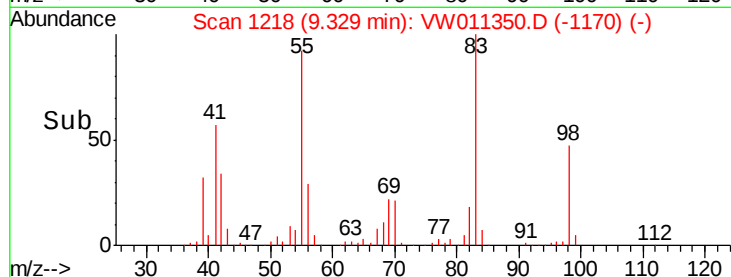
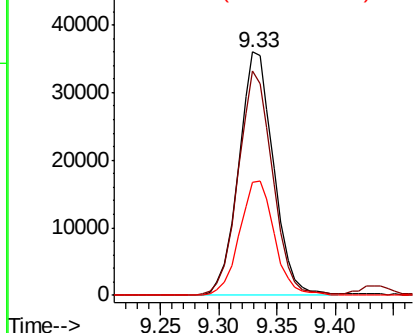
#39
Methvlcvclohexane
Concen: 19.593 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 75198
Ion Ratio Lower Upper
83 100
55 92.2 71.2 106.8
98 46.7 37.5 56.3

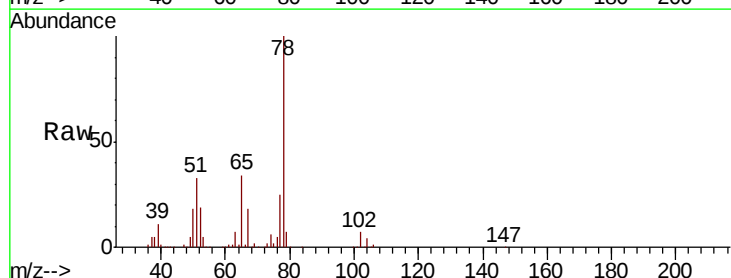


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

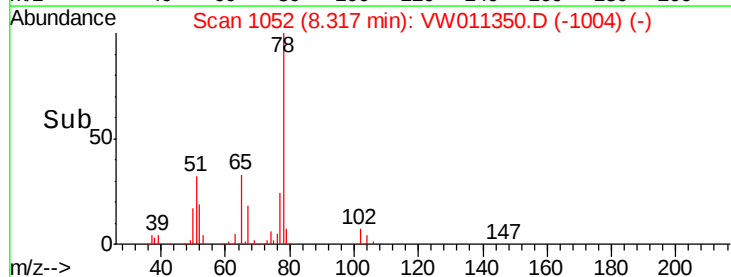
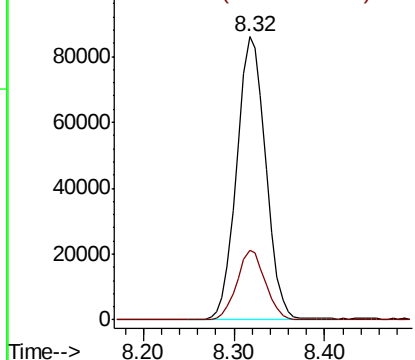


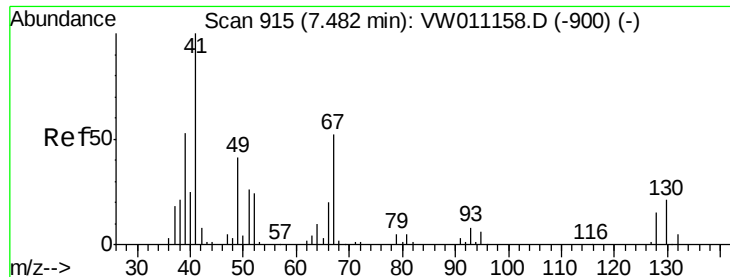
#40
Benzene
Concen: 21.874 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 78 Resp: 191420
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



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

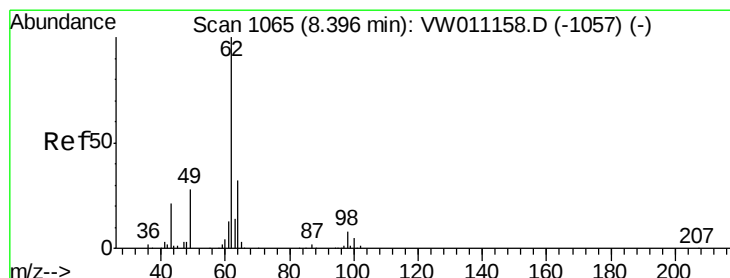
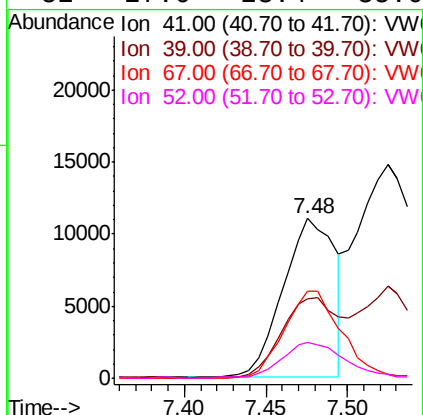
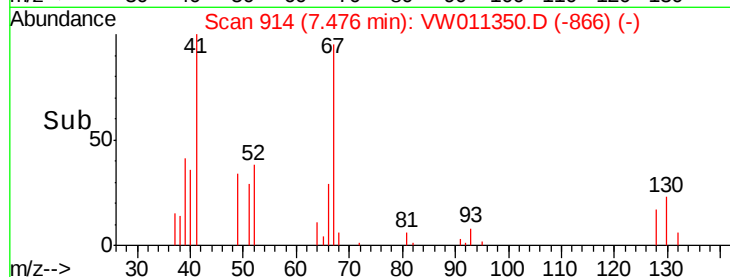
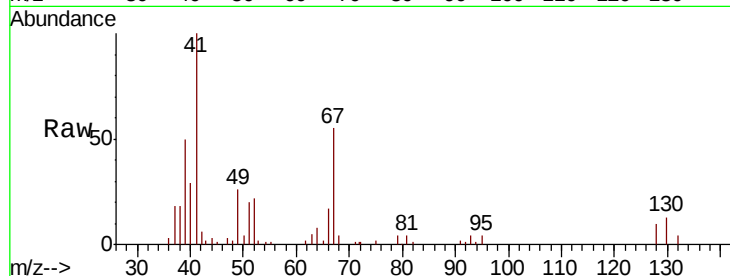




#41
Methacrylonitrile
Concen: 22.459 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

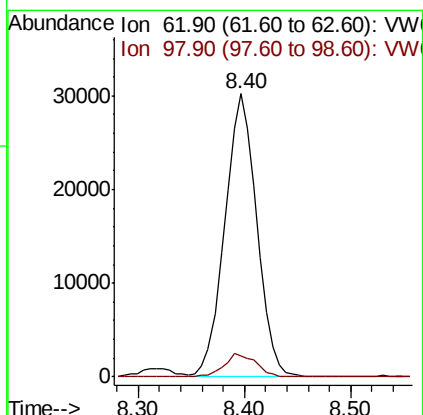
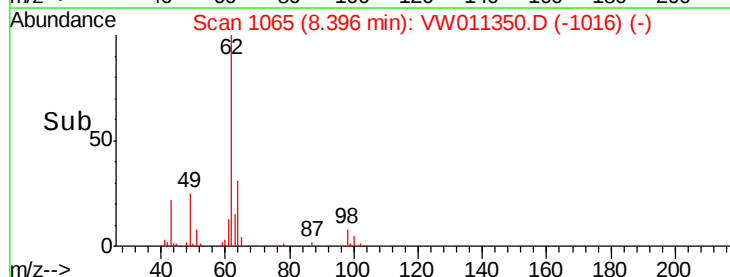
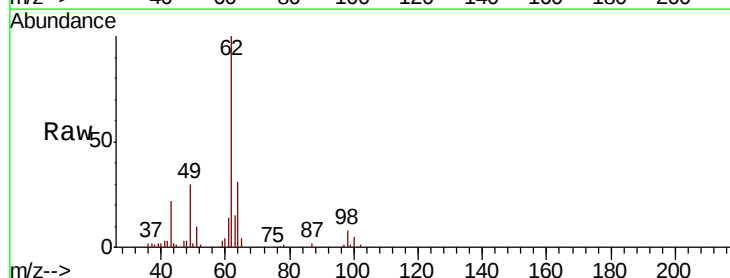
Instrument :
MSVOA_W
ClientSampled :

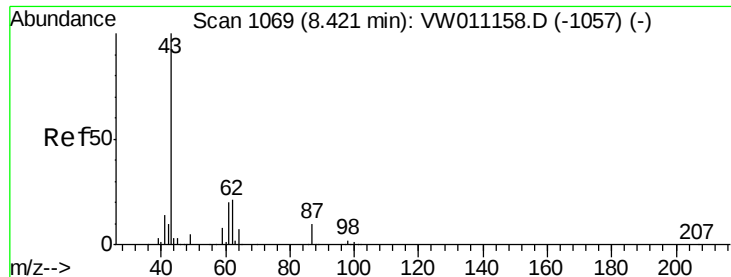
Tot Ion: 41 Resp: 24438
Ion Ratio Lower Upper
41 100
39 59.1 48.0 72.0
67 61.0 49.7 74.5
52 27.6 23.4 35.0



#42
1,2-Dichloroethane
Concen: 22.398 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 62 Resp: 63584
Ion Ratio Lower Upper
62 100
98 8.2 0.0 16.8





#43

Isopropyl Acetate

Concen: 22.730 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampled :

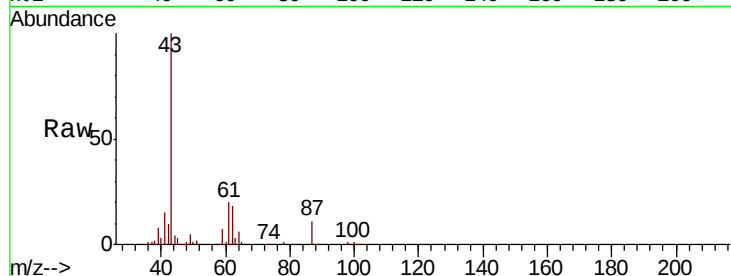
Tot Ion: 43 Resp: 81647

Ion Ratio Lower Upper

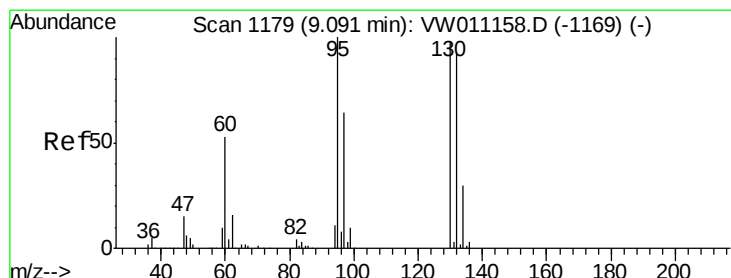
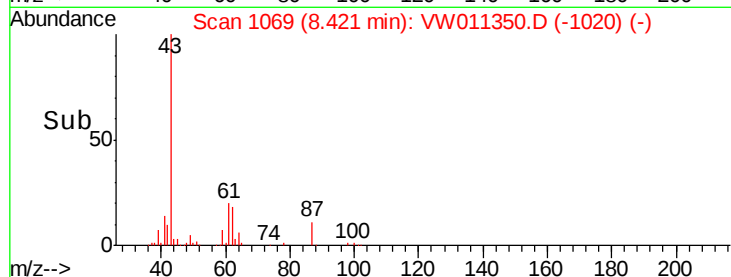
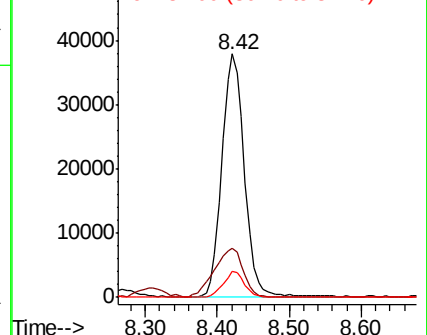
43 100

61 26.1 20.7 31.1

87 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 21.339 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011350.D

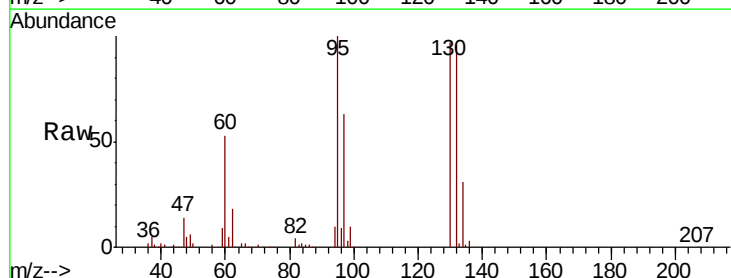
Acq: 18 Jul 2019 23:50

Tgt Ion:130 Resp: 44937

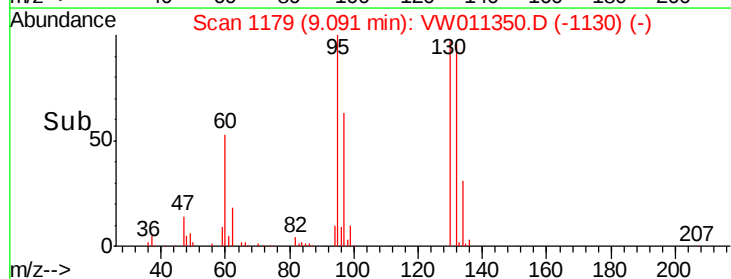
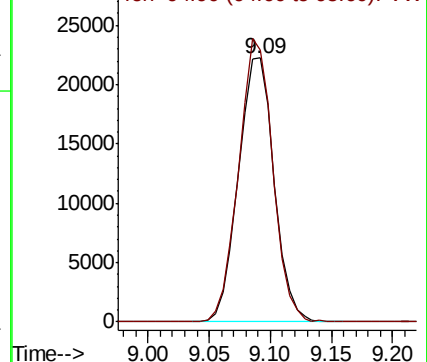
Ion Ratio Lower Upper

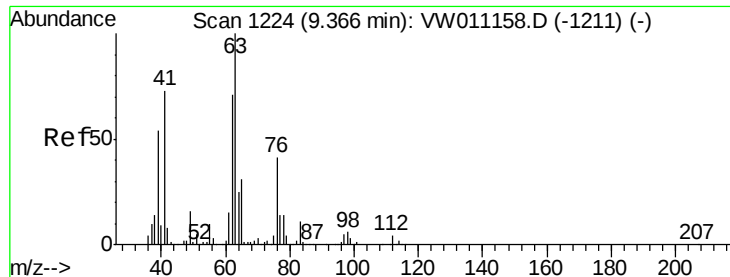
130 100

95 103.0 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

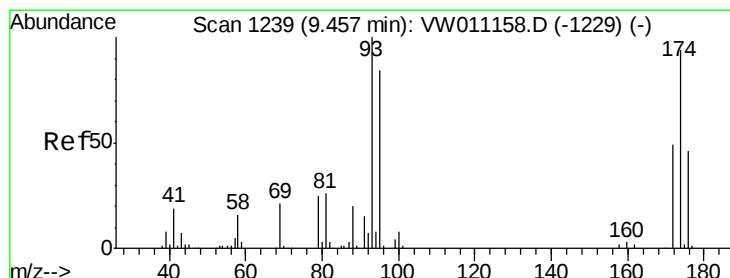
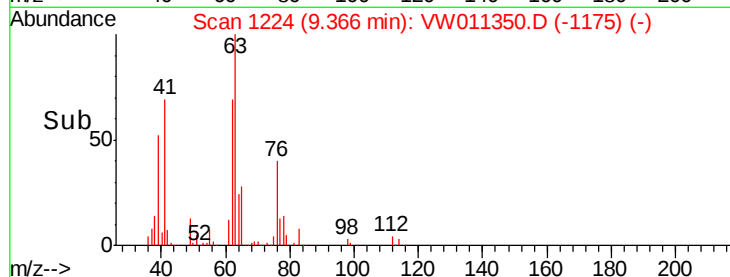
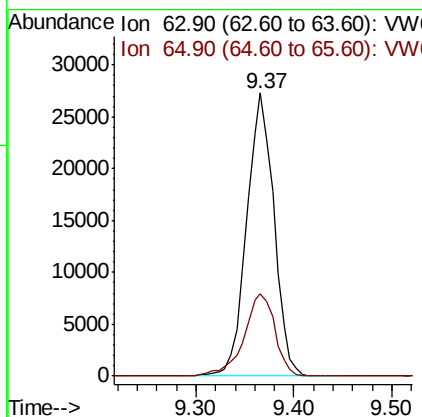
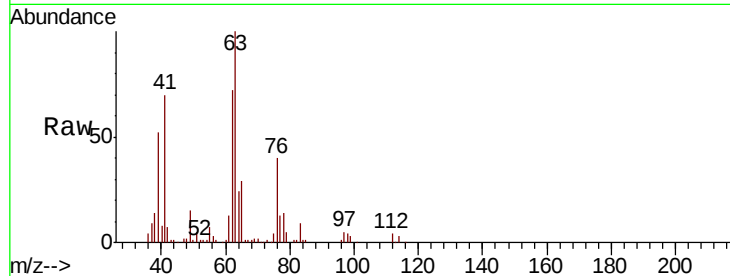




#45
 1,2-Dichloropropane
 Concen: 22.319 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

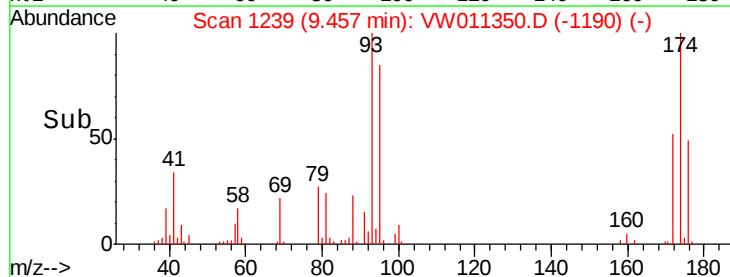
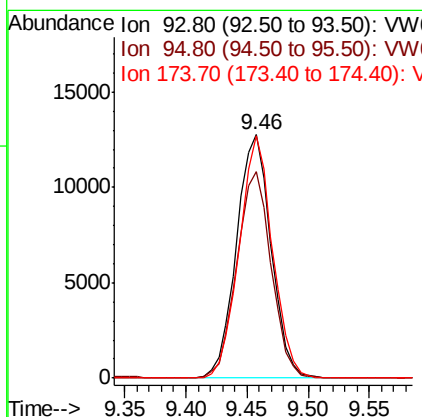
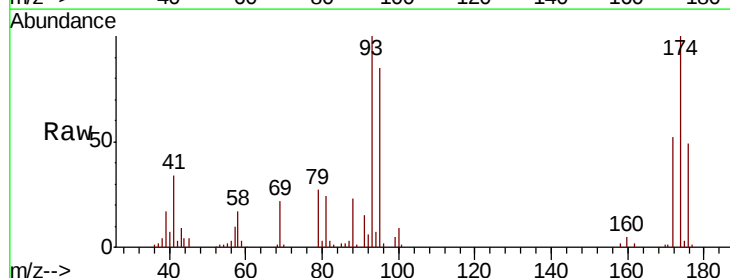
Instrument :
 MSVOA_W
 ClientSampled :

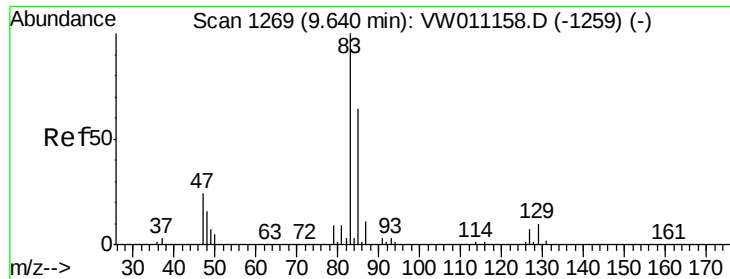
Tot Ion: 63 Resp: 52892
 Ion Ratio Lower Upper
 63 100
 65 29.0 24.4 36.6



#46
 Dibromomethane
 Concen: 22.442 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 93 Resp: 24983
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.2 100.8
 174 96.0 76.3 114.5





#47

Bromodichloromethane

Concen: 21.365 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

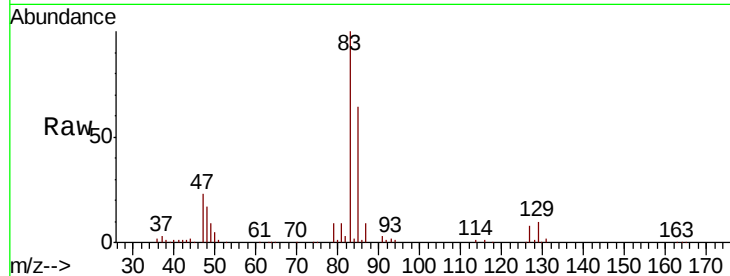
Tot Ion: 83 Resp: 60855

Ion Ratio Lower Upper

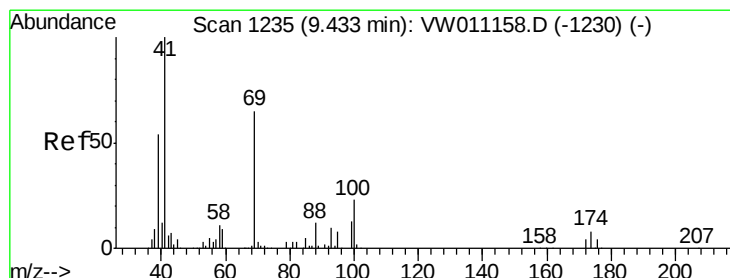
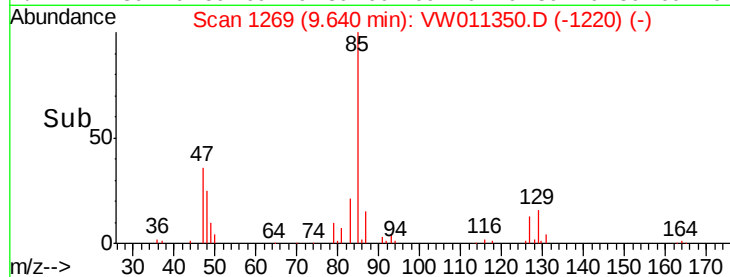
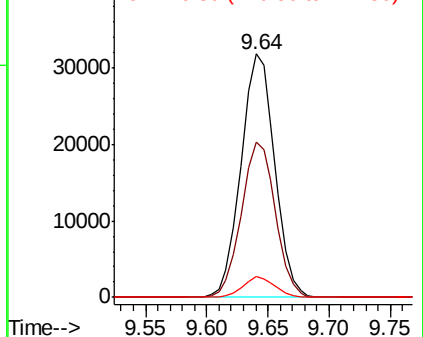
83 100

85 63.5 51.0 76.4

127 8.4 6.0 9.0



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: 22.374 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

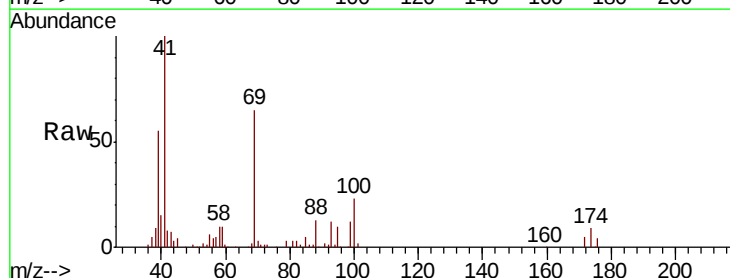
Tgt Ion: 41 Resp: 38665

Ion Ratio Lower Upper

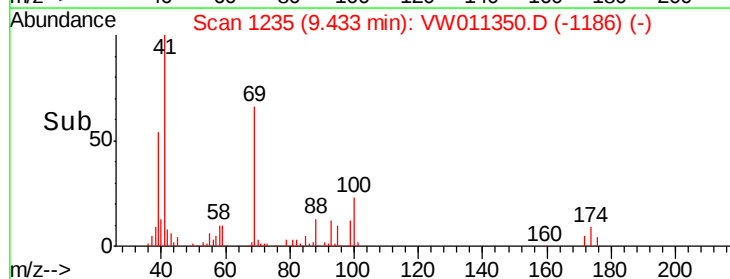
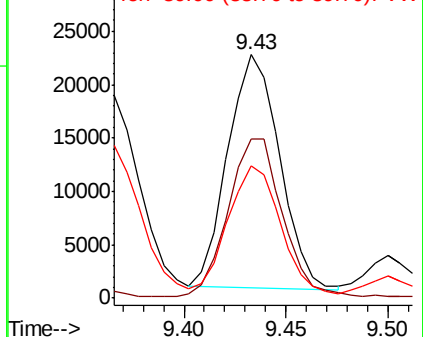
41 100

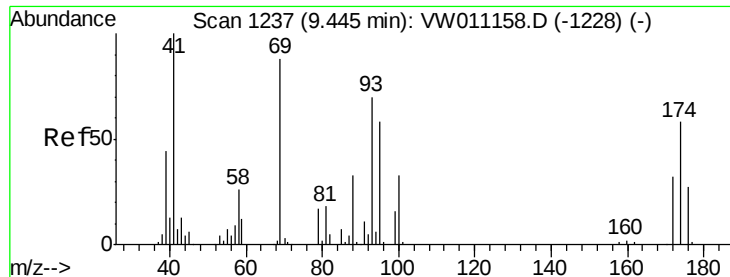
69 72.5 56.0 84.0

39 58.4 43.5 65.3



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





#49

1,4-Dioxane

Concen: 495.874 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

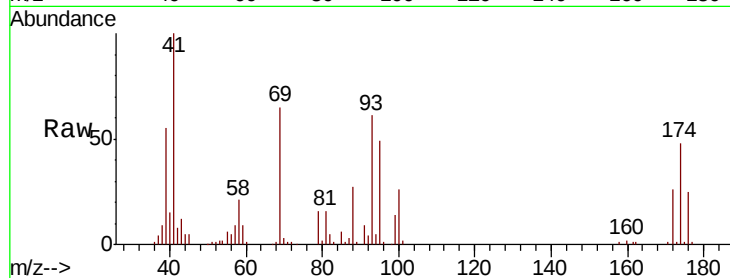
Tot Ion: 88 Resp: 9214

Ion Ratio Lower Upper

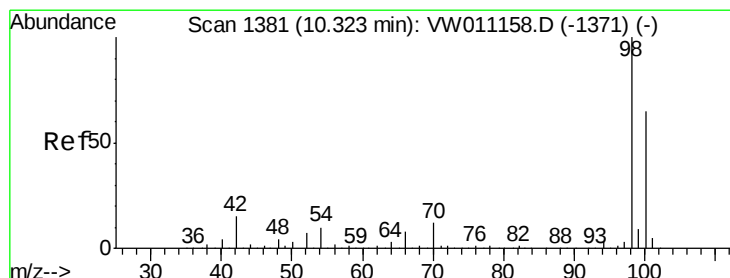
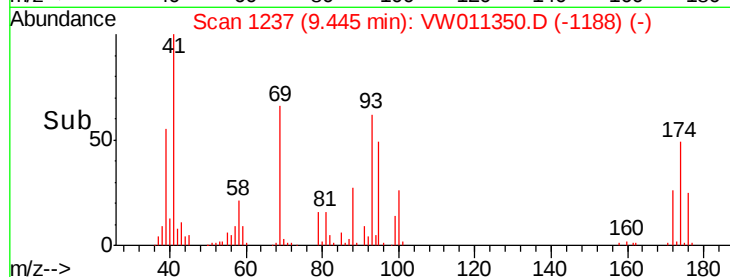
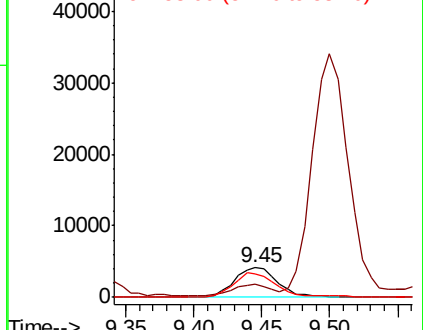
88 100

43 36.4 33.4 50.0

58 83.9 64.5 96.7



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



#50

Toluene-d8

Concen: 49.624 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011350.D

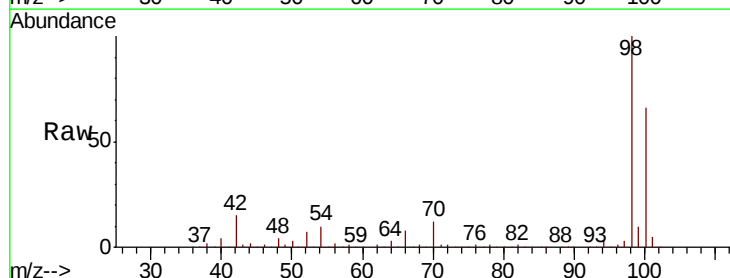
Acq: 18 Jul 2019 23:50

Tgt Ion: 98 Resp: 355518

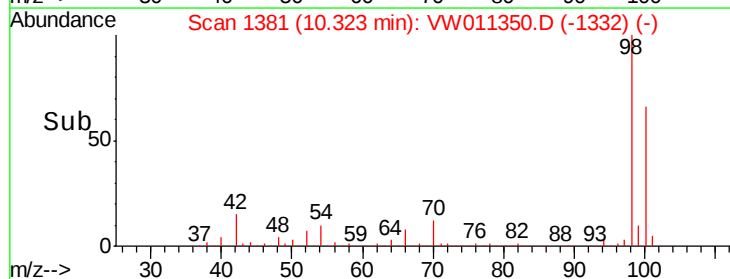
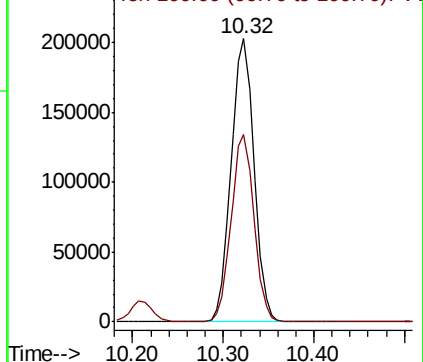
Ion Ratio Lower Upper

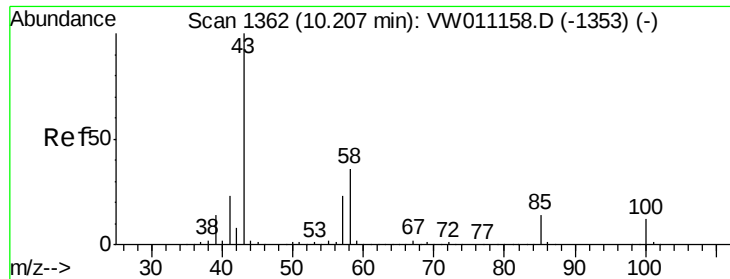
98 100

100 65.7 52.4 78.6



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: 119.471 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

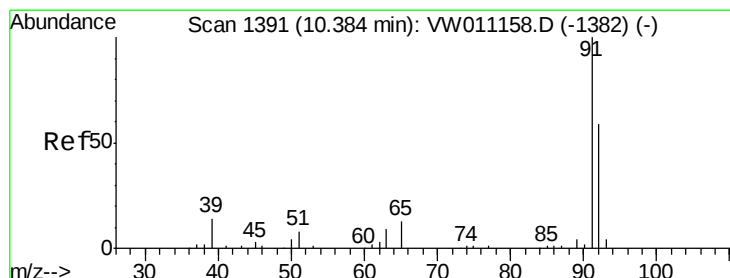
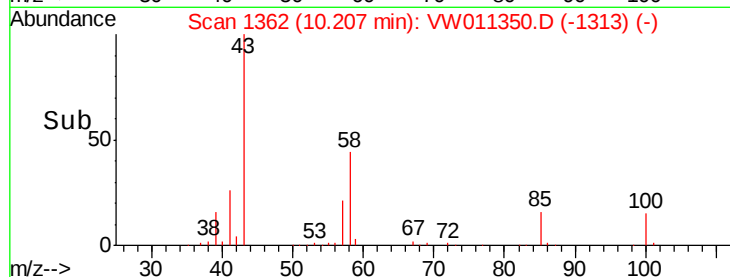
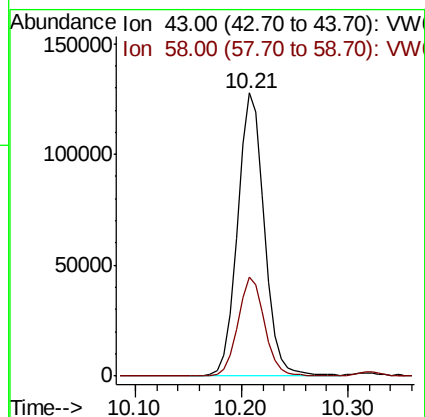
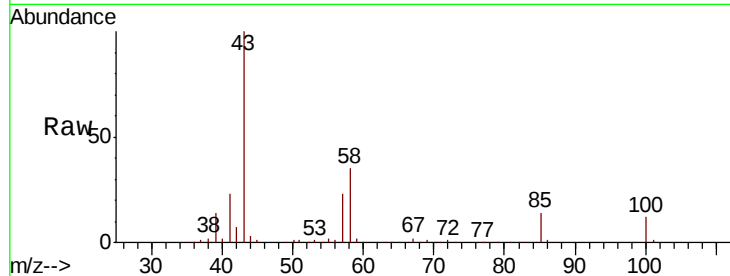
ClientSampled :

Tot Ion: 43 Resp: 224172

Ion Ratio Lower Upper

43 100

58 35.0 28.2 42.2



#52

Toluene

Concen: 21.782 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011350.D

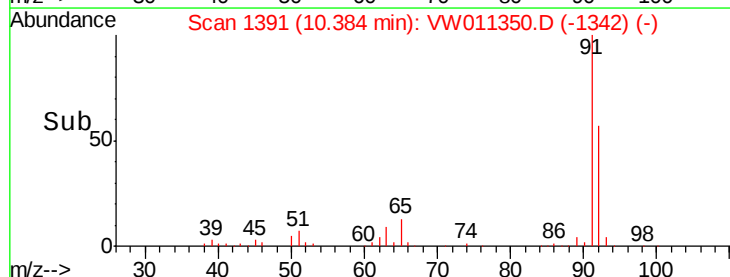
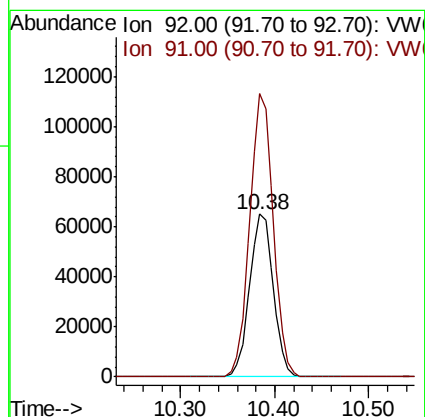
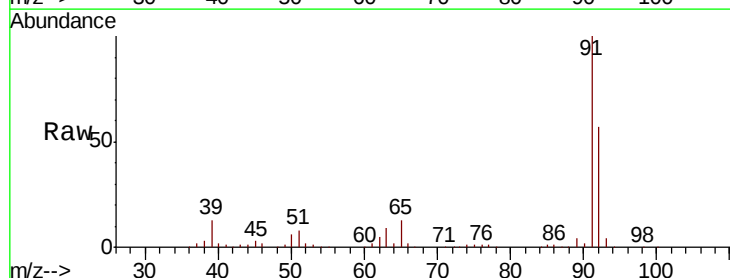
Acq: 18 Jul 2019 23:50

Tgt Ion: 92 Resp: 115633

Ion Ratio Lower Upper

92 100

91 171.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 20.332 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

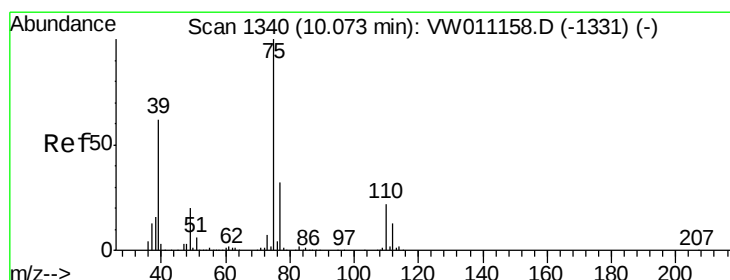
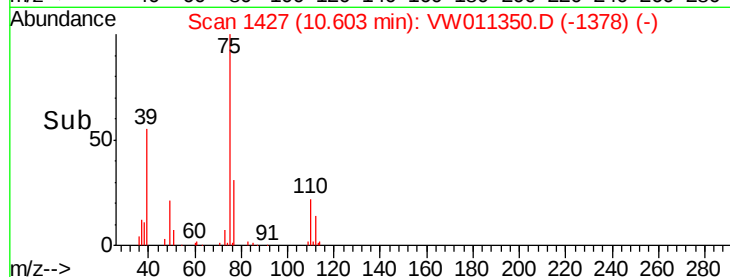
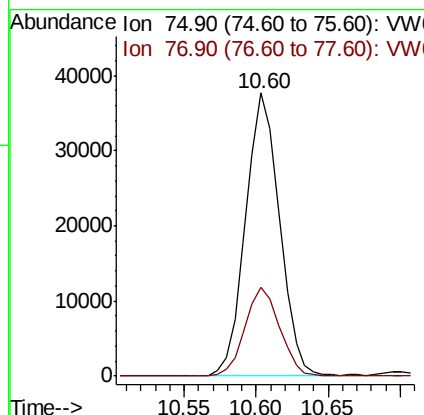
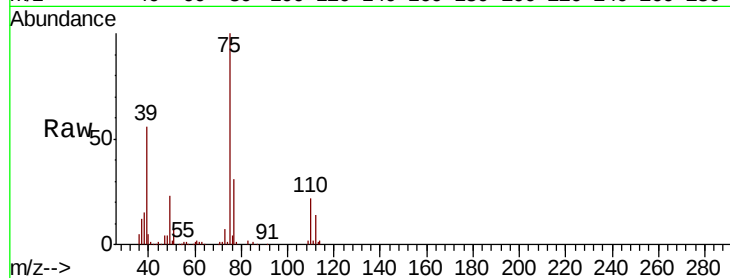
ClientSampleId :

Tot Ion: 75 Resp: 61645

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.371 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

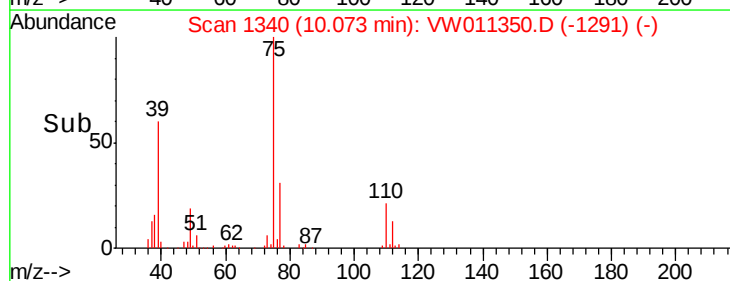
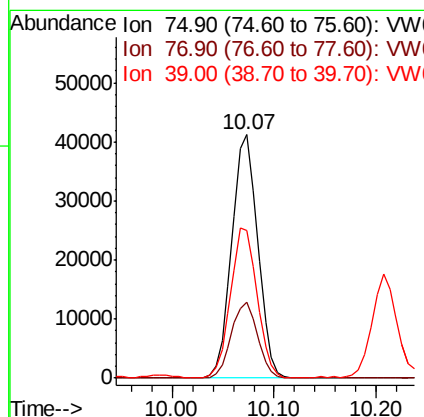
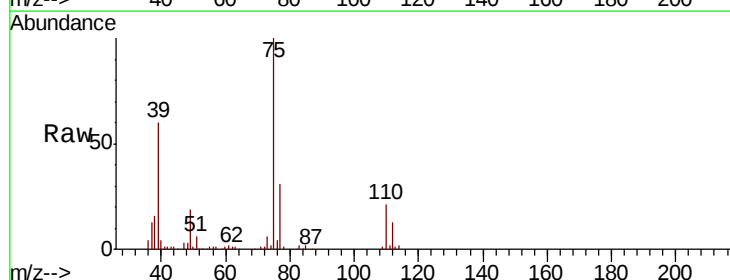
Tgt Ion: 75 Resp: 72696

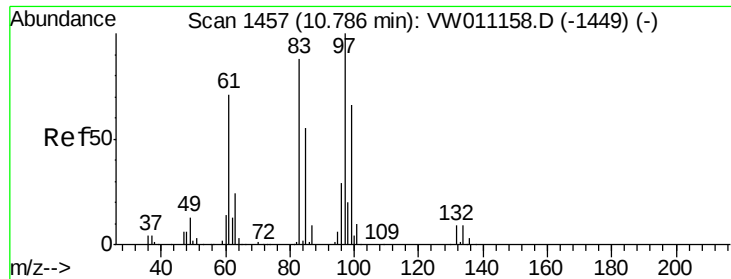
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 60.1 49.8 74.8

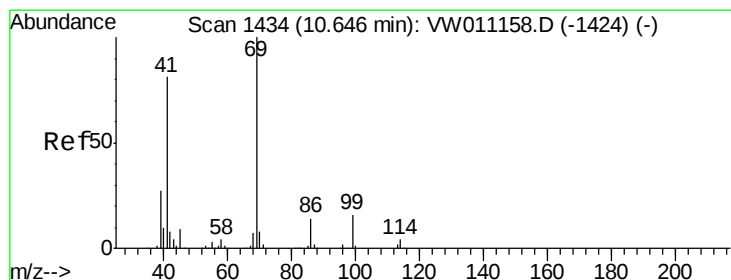
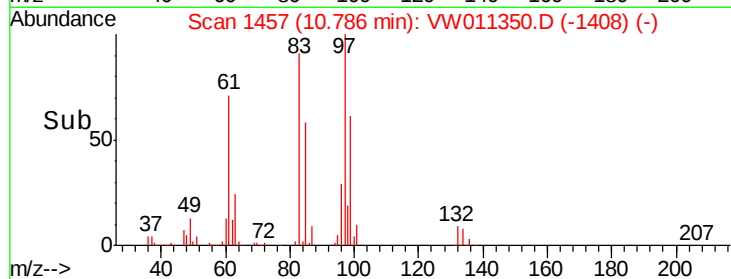
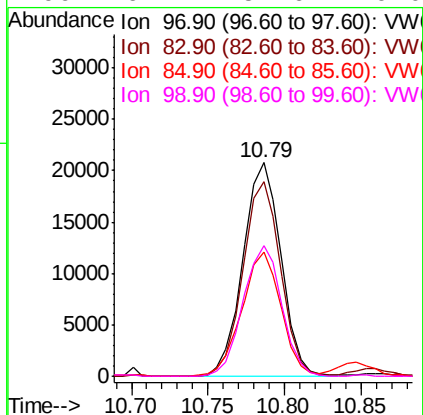
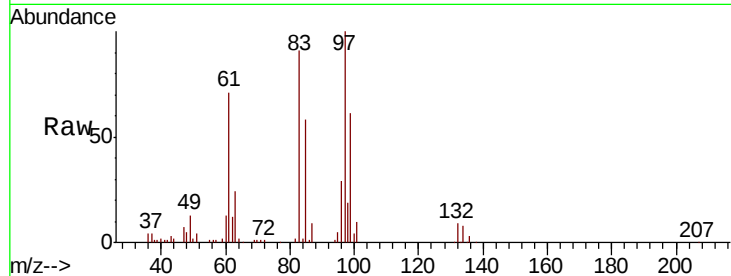




#55
 1,1,2-Trichloroethane
 Concen: 22.735 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

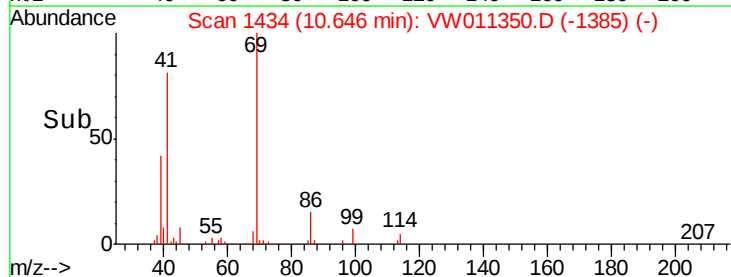
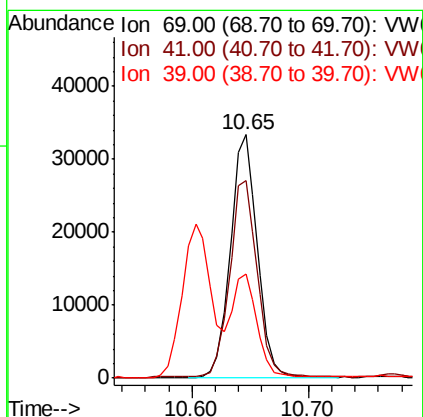
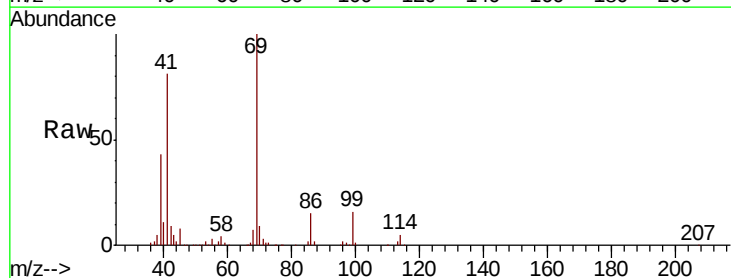
Instrument :
 MSVOA_W
 ClientSampleId :

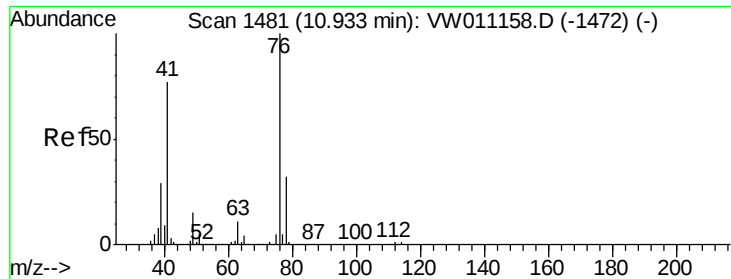
Tot Ion:	97	Resp:	35905
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.2	105.4
85	58.0	44.2	66.2
99	61.1	52.6	79.0



#56
 Ethyl methacrylate
 Concen: 22.416 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion:	69	Resp:	53897
Ion	Ratio	Lower	Upper
69	100		
41	83.2	66.5	99.7
39	38.9	32.5	48.7

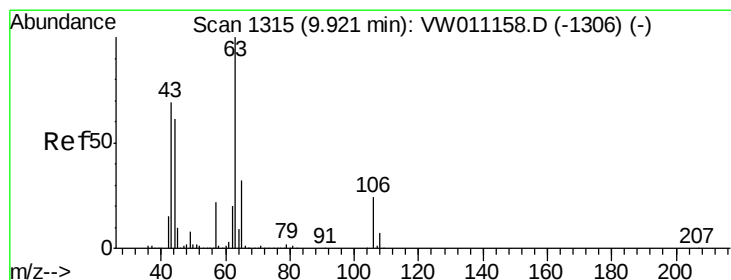
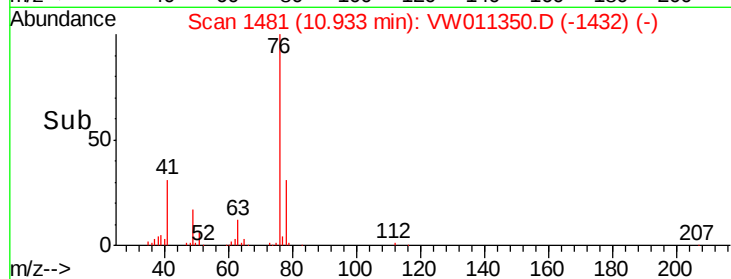
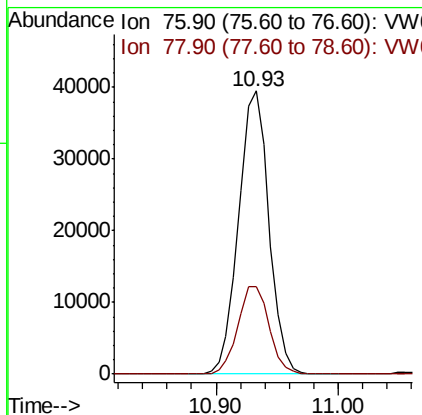
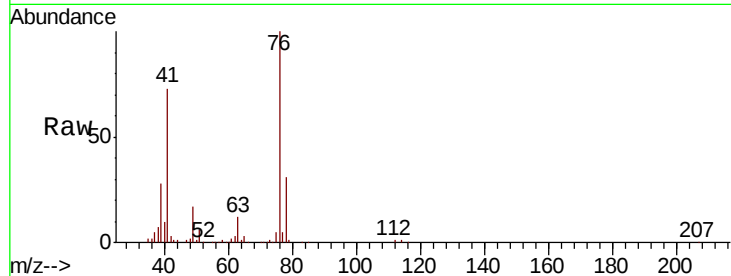




#57
 1,3-Dichloropropane
 Concen: 22.722 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

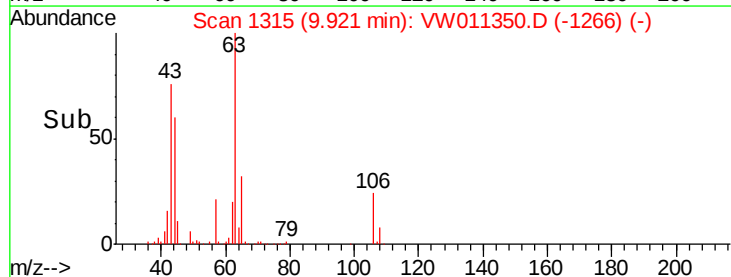
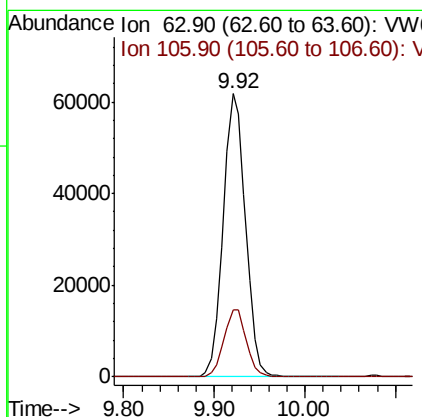
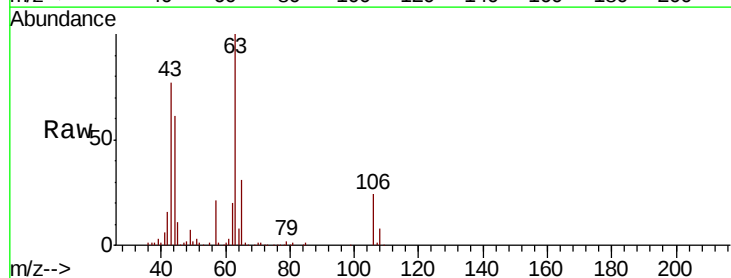
Instrument :
 MSVOA_W
 ClientSampled :

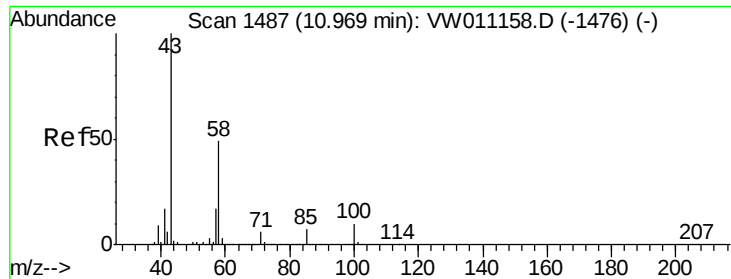
Tot Ion: 76 Resp: 67855
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.860 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 63 Resp: 105738
 Ion Ratio Lower Upper
 63 100
 106 24.0 19.4 29.0

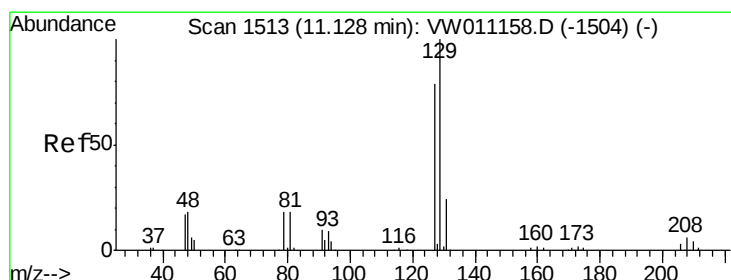
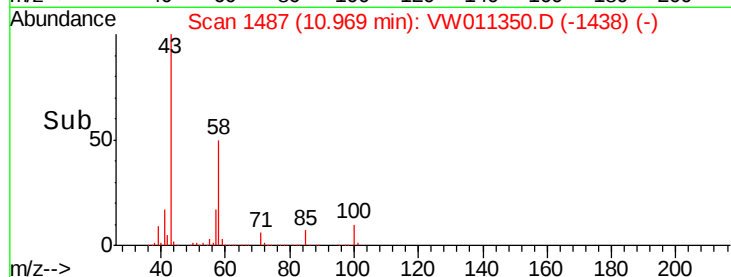
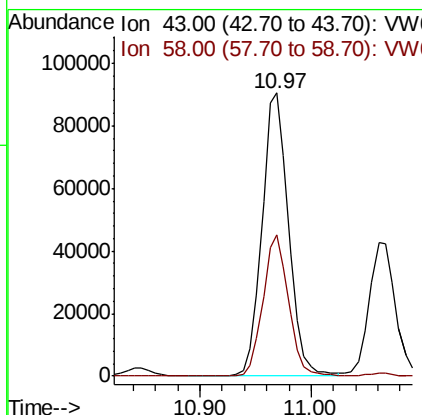
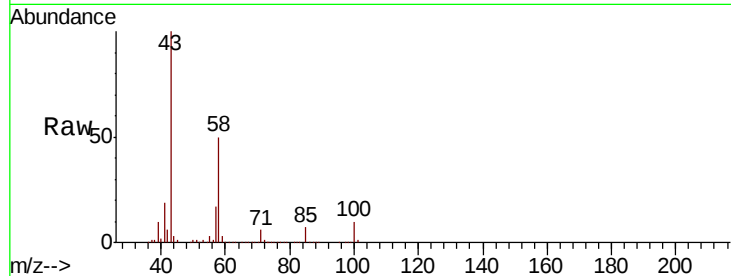




#59
2-Hexanone
Concen: 115.533 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

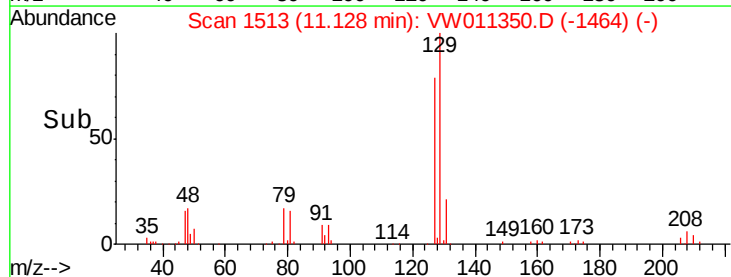
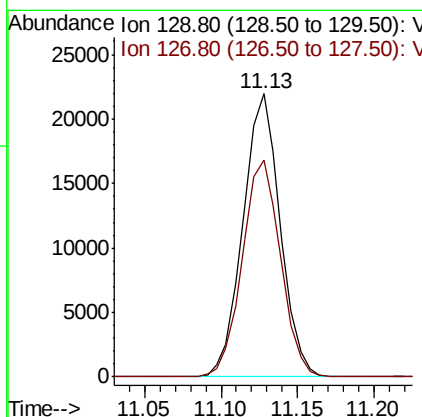
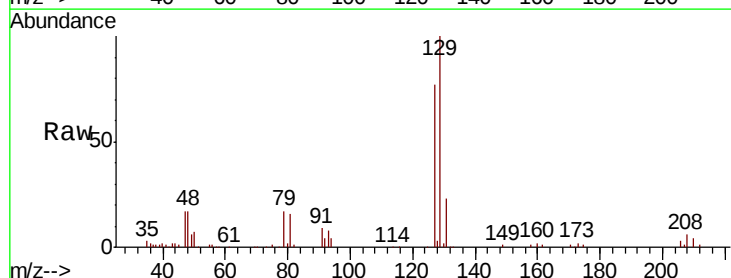
Instrument :
MSVOA_W
ClientSampled :

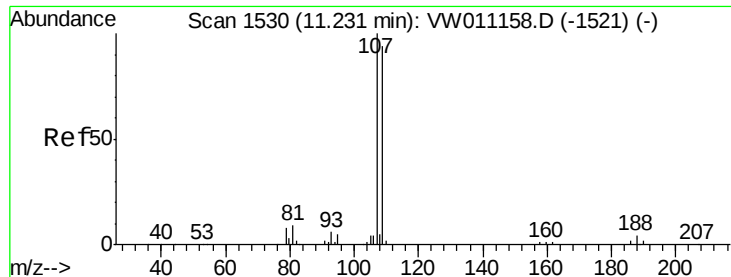
Tot Ion: 43 Resp: 150339
Ion Ratio Lower Upper
43 100
58 48.3 24.4 73.4



#60
Dibromochloromethane
Concen: 21.380 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 129 Resp: 37025
Ion Ratio Lower Upper
129 100
127 79.0 39.1 117.3

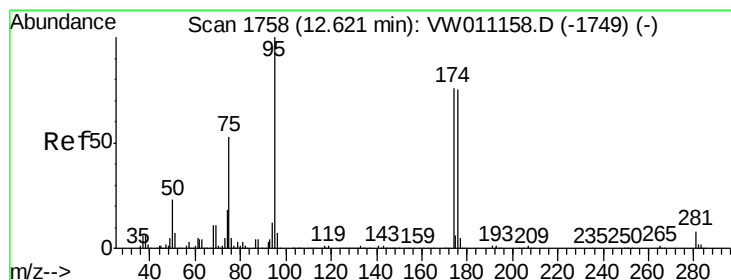
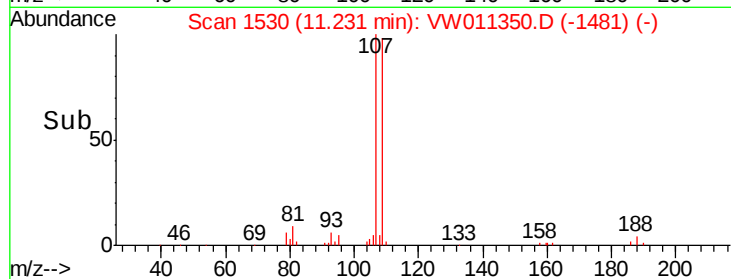
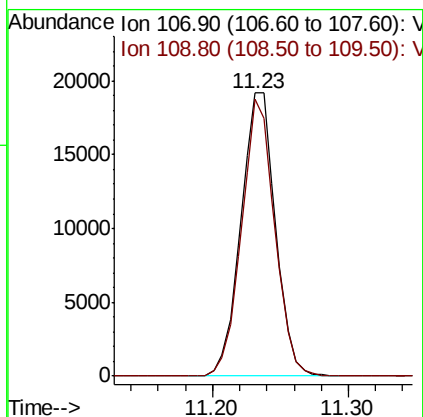
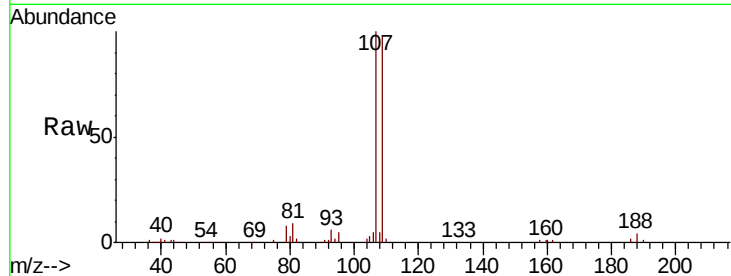




#61
 1,2-Dibromoethane
 Concen: 22.699 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

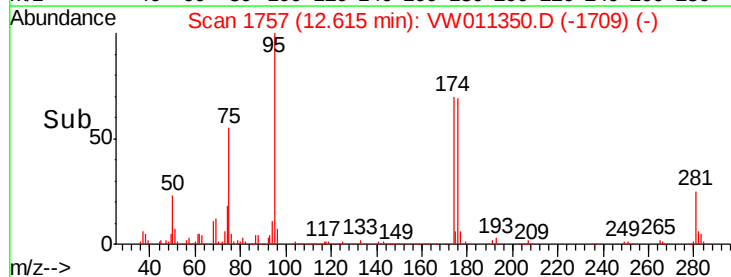
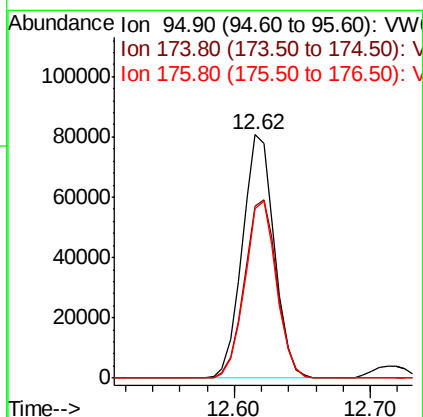
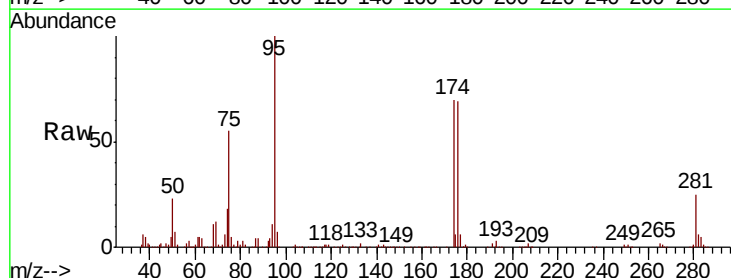
Instrument :
 MSVOA_W
 ClientSampleId :

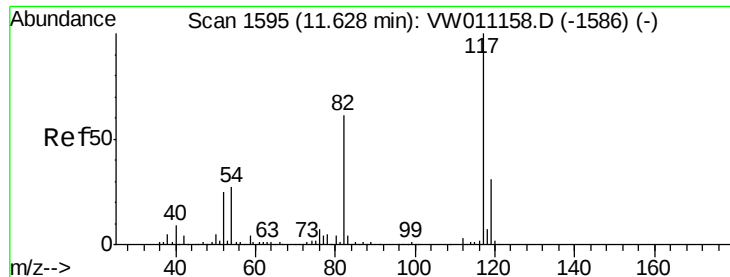
Tot Ion:107 Resp: 33956
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 50.367 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion: 95 Resp: 132261
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 147.6
 176 72.0 0.0 144.6

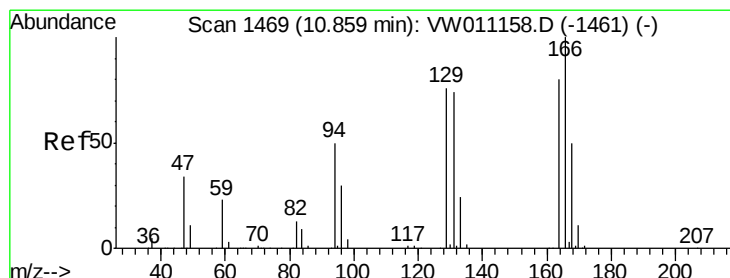
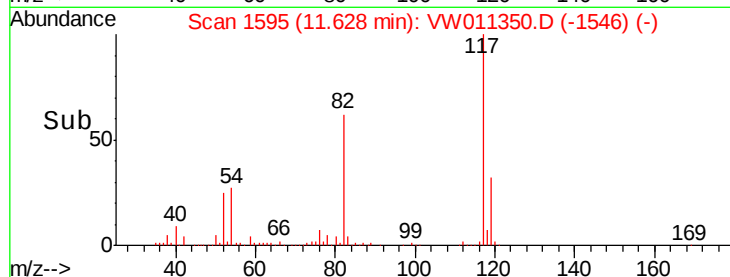
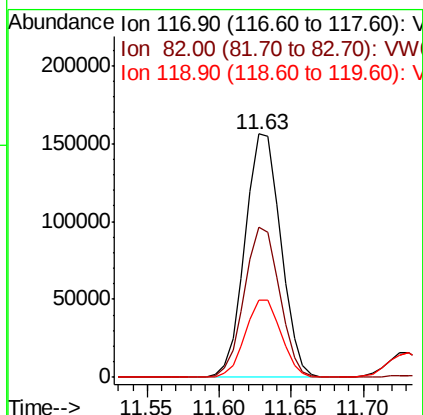
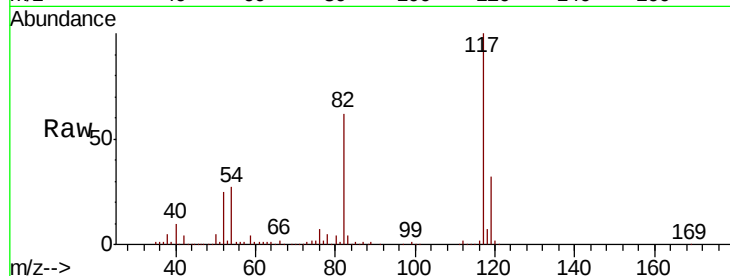




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

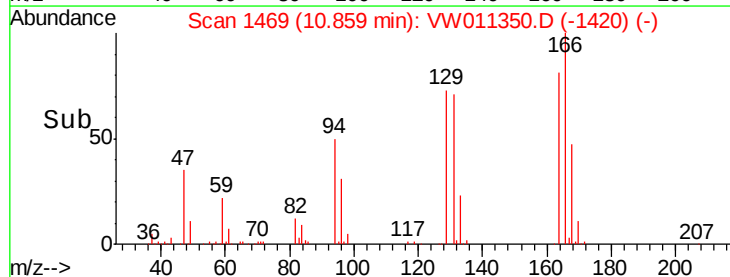
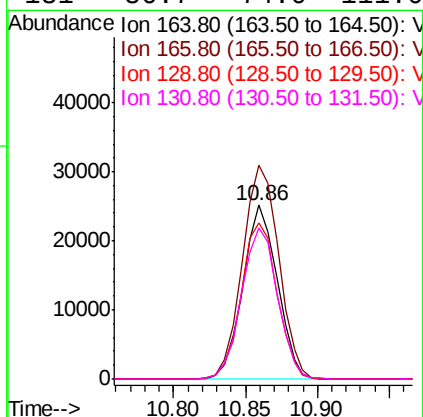
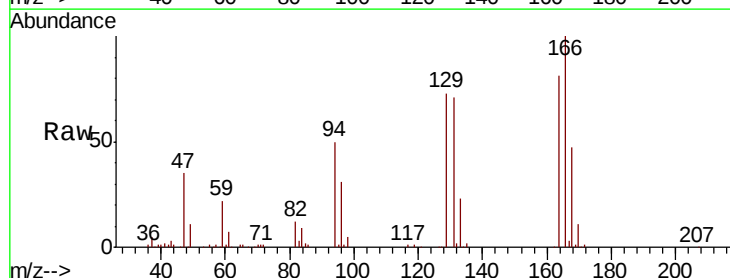
Instrument :
MSVOA_W
ClientSampleId :

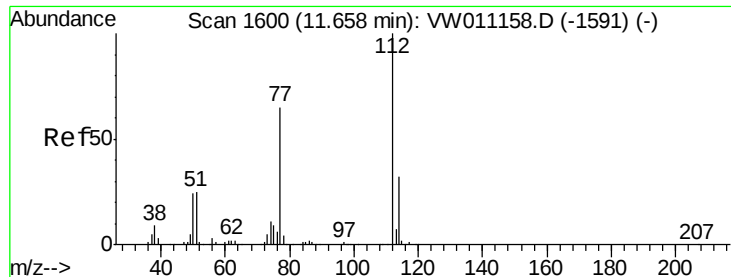
Tot Ion:117 Resp: 268928
Ion Ratio Lower Upper
117 100
82 61.8 48.9 73.3
119 31.8 25.0 37.6



#64
Tetrachloroethene
Concen: 22.914 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:164 Resp: 41582
Ion Ratio Lower Upper
164 100
166 122.9 99.7 149.5
129 89.7 76.2 114.2
131 86.7 74.0 111.0

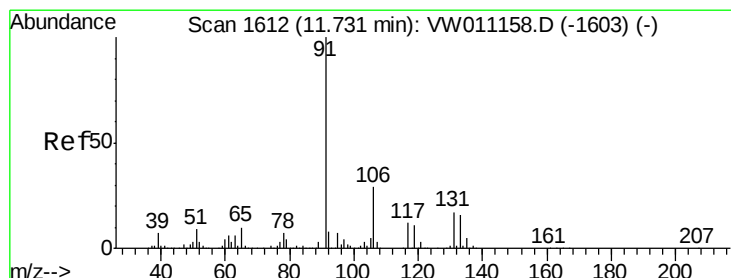
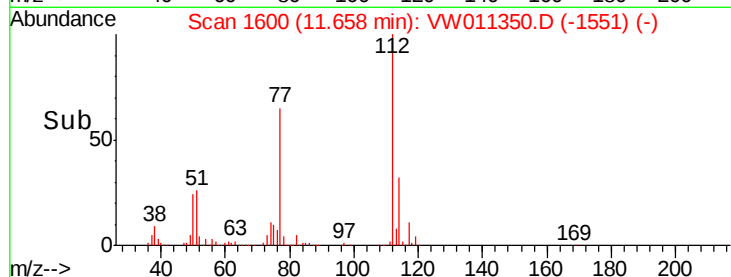
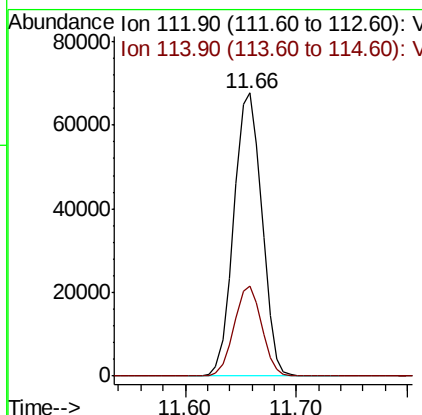
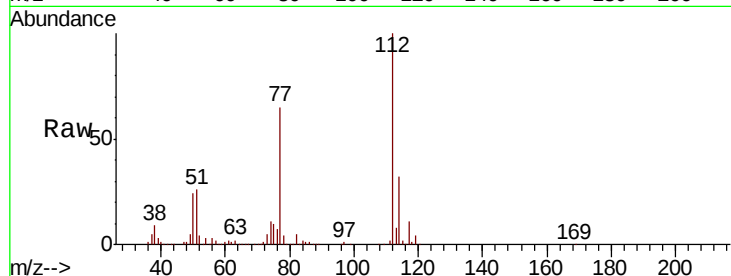




#65
Chlorobenzene
Concen: 21.623 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

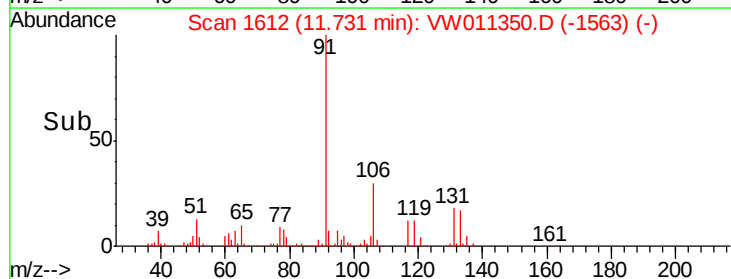
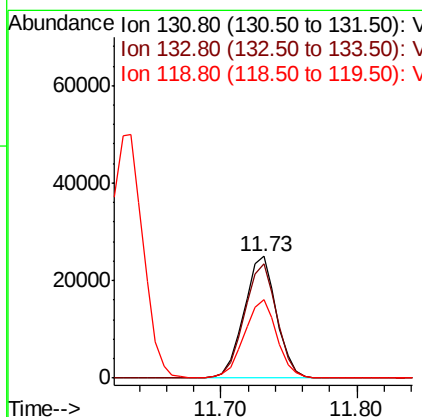
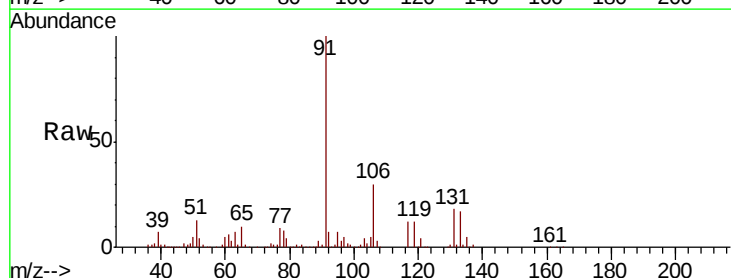
Instrument :
MSVOA_W
ClientSampleId :

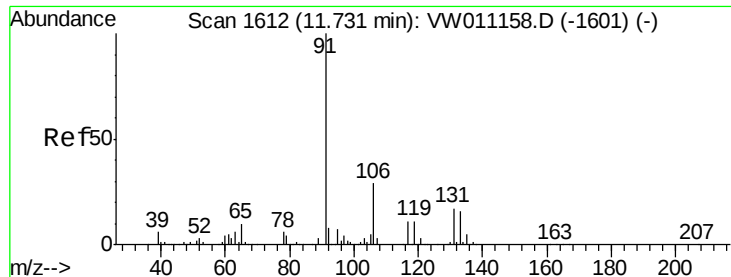
Tot Ion:112 Resp: 118225
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.611 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:131 Resp: 41604
Ion Ratio Lower Upper
131 100
133 94.5 47.9 143.8
119 65.2 33.1 99.2

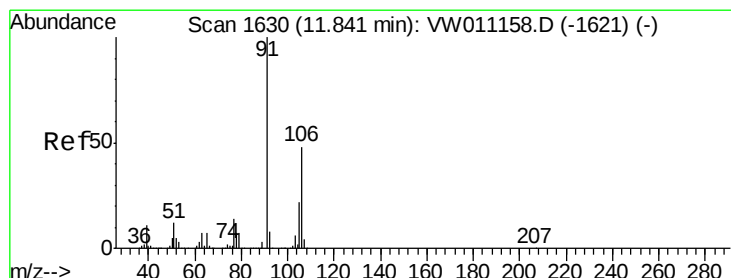
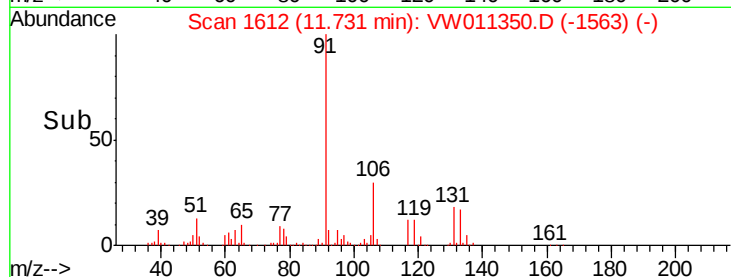
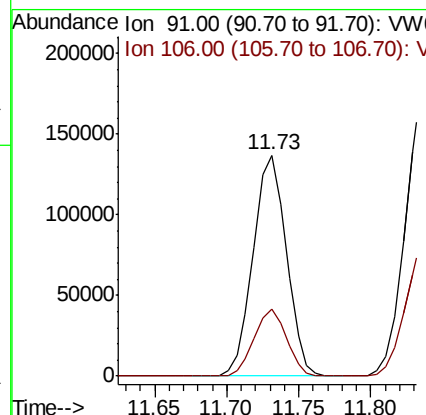
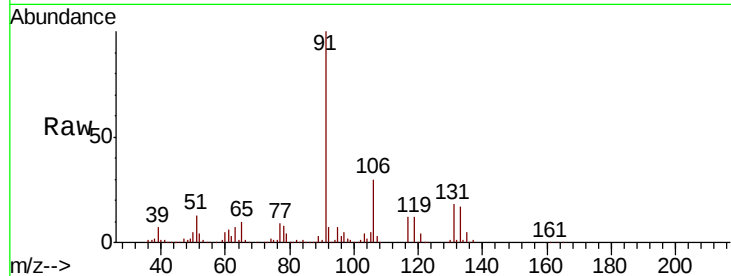




#67
Ethyl Benzene
Concen: 20.930 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

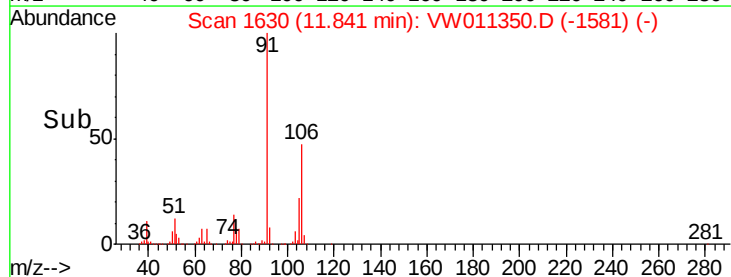
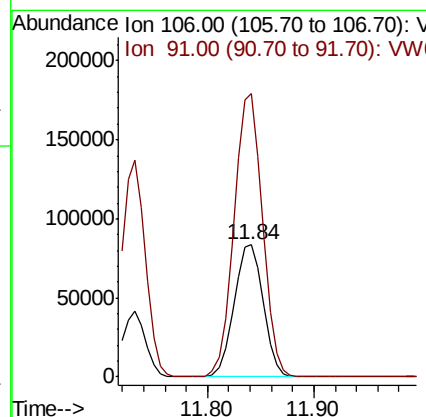
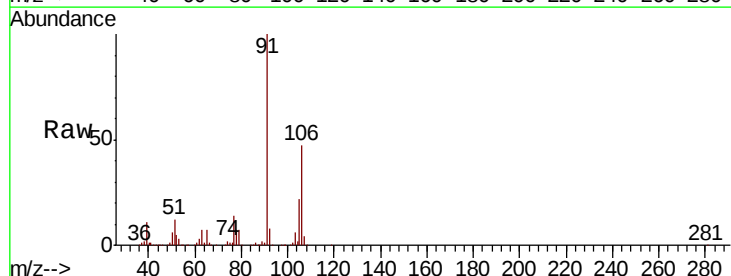
Instrument :
MSVOA_W
ClientSampled :

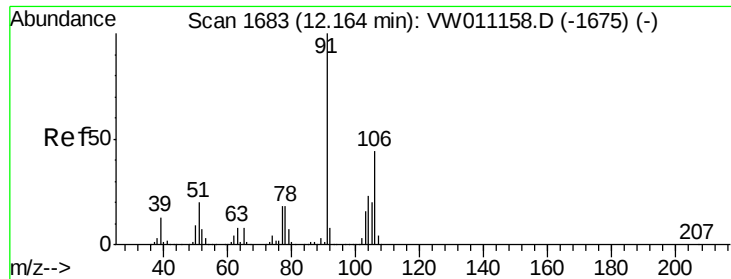
Tot Ion: 91 Resp: 219076
Ion Ratio Lower Upper
91 100
106 30.4 23.5 35.3



#68
m/p-Xylenes
Concen: 42.252 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 106 Resp: 160025
Ion Ratio Lower Upper
106 100
91 210.1 167.7 251.5

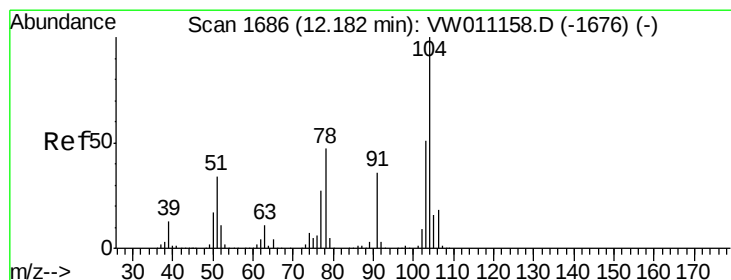
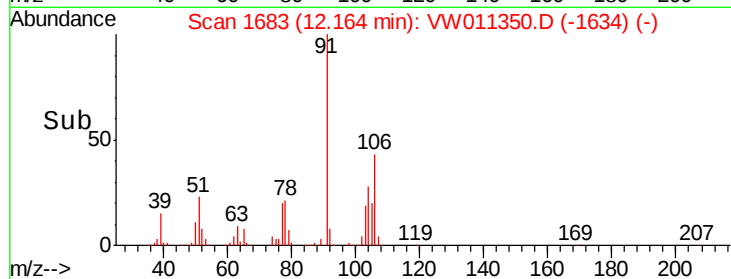
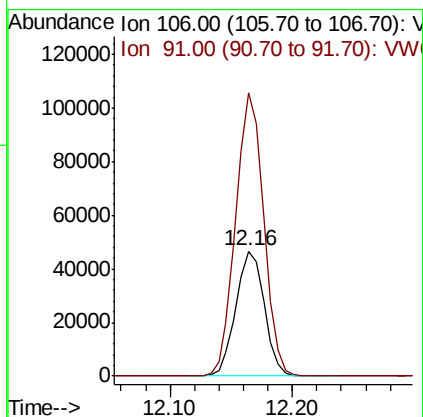
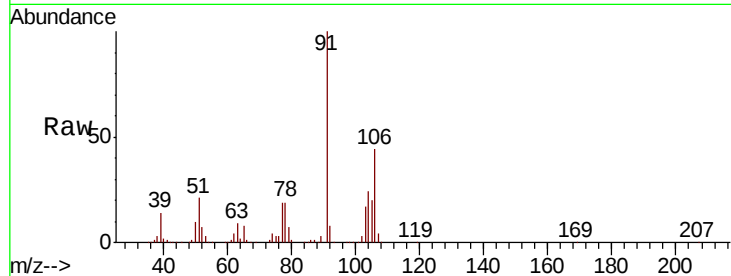




#69
o-Xylene
Concen: 20.974 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

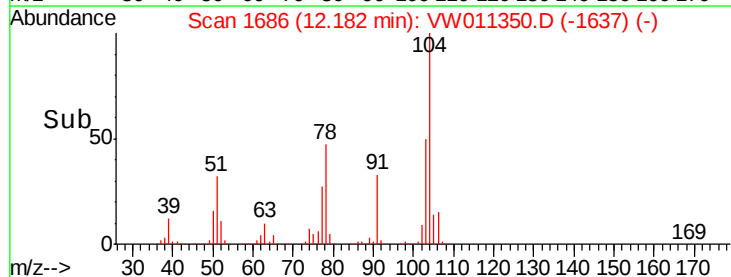
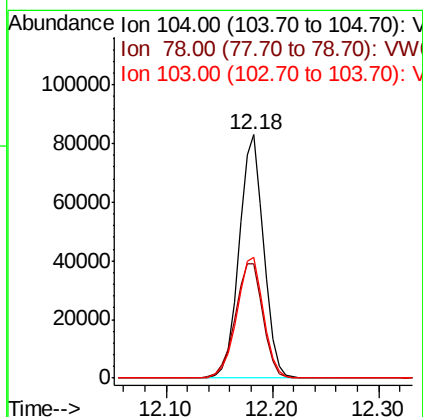
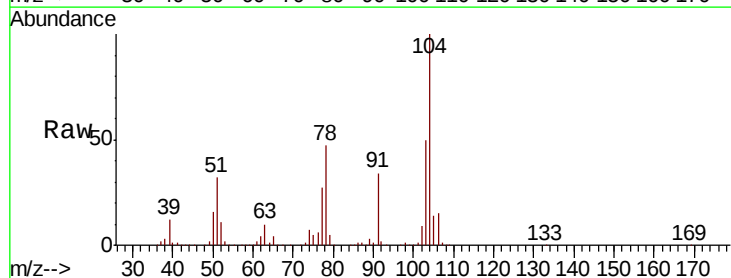
Instrument :
MSVOA_W
ClientSampled :

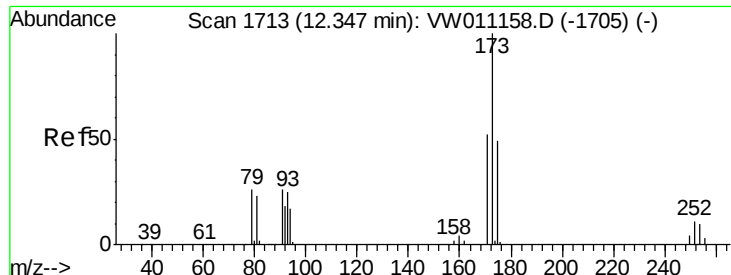
Tot Ion:106 Resp: 74869
Ion Ratio Lower Upper
106 100
91 223.8 110.7 332.1



#70
Styrene
Concen: 21.694 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:104 Resp: 133651
Ion Ratio Lower Upper
104 100
78 53.4 43.1 64.7
103 54.3 44.1 66.1

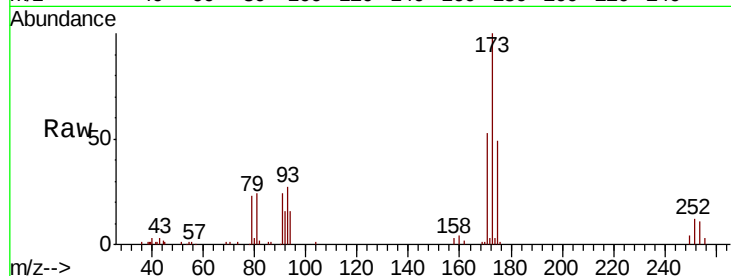




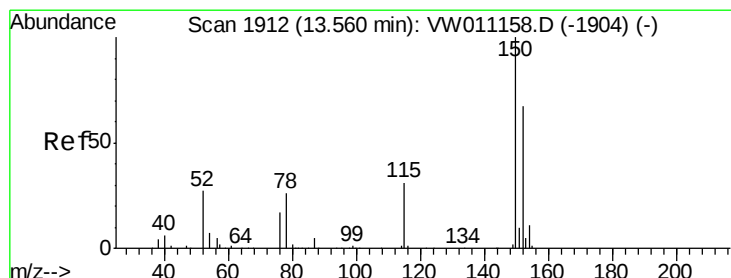
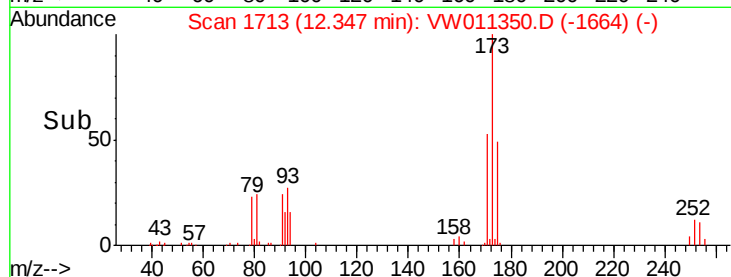
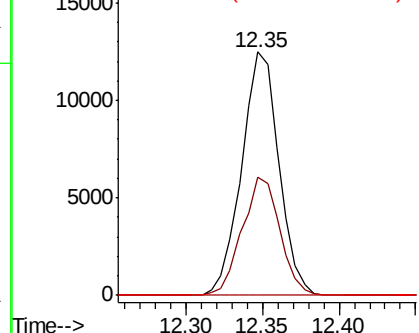
#71
Bromoform
Concen: 20.640 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 21126
Ion Ratio Lower Upper
173 100
175 49.1 24.8 74.3
254 0.0 0.0 0.0

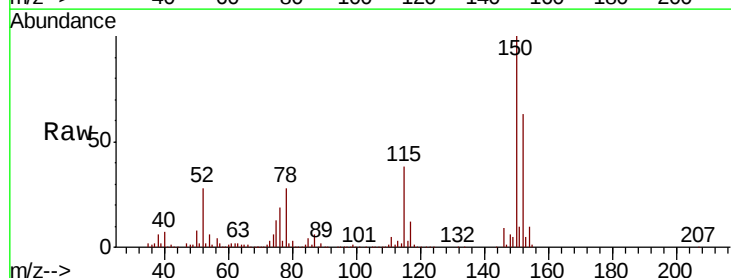


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

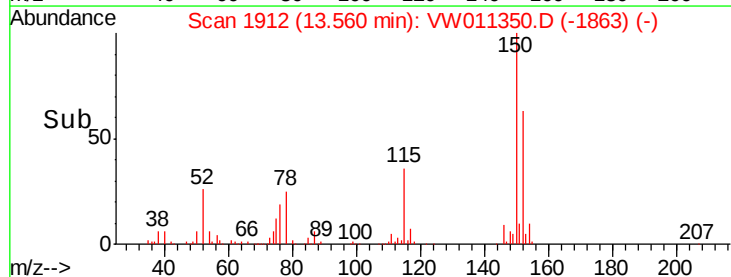
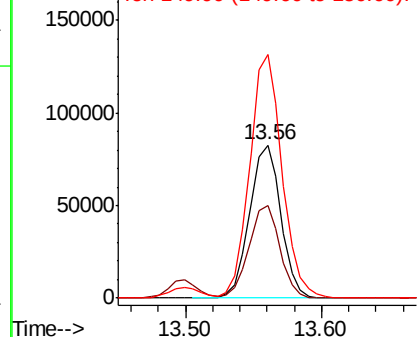


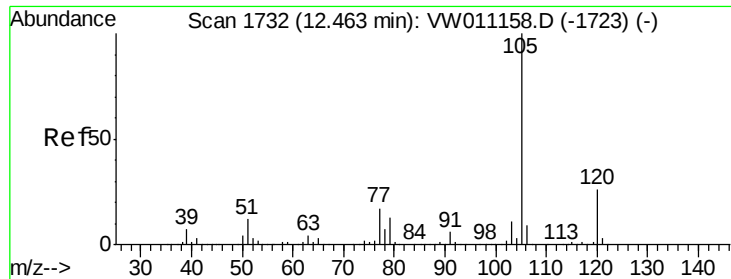
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:152 Resp: 133128
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 164.4 0.0 346.0



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





#73

Isopropylbenzene

Concen: 20.586 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

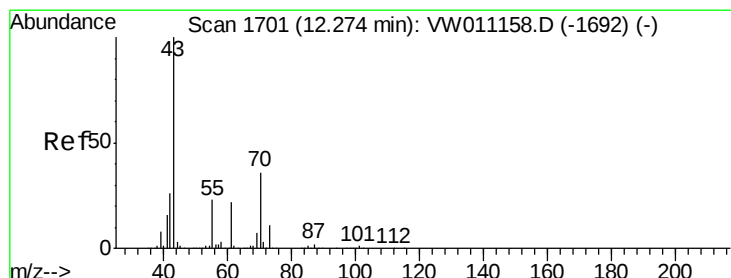
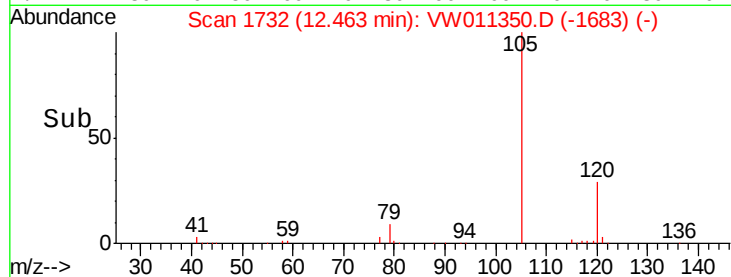
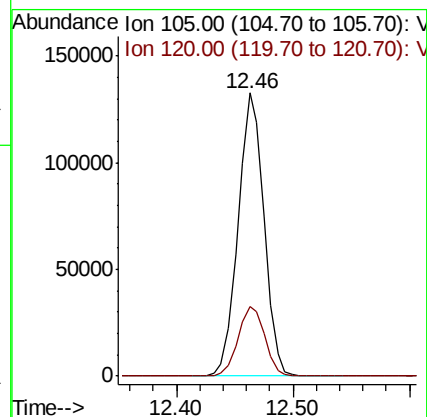
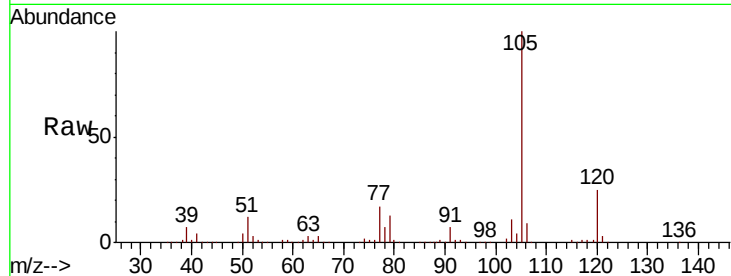
ClientSampled :

Tot Ion:105 Resp: 204872

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



#74

N-ethyl acetate

Concen: 21.105 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Tgt Ion: 43 Resp: 73149

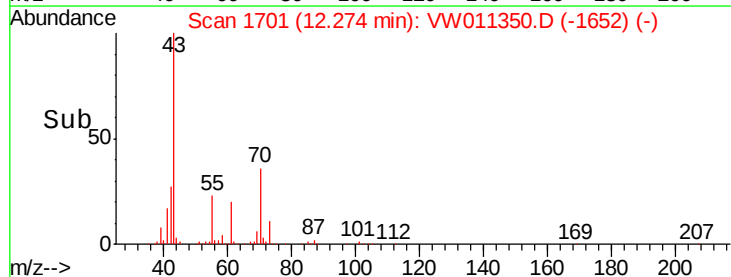
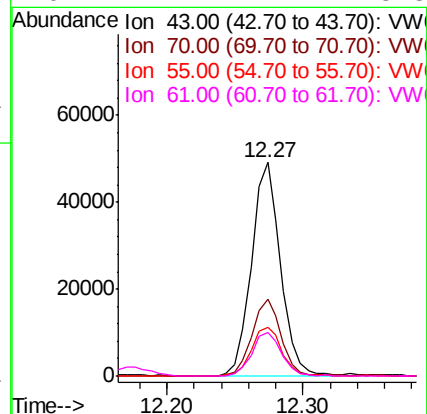
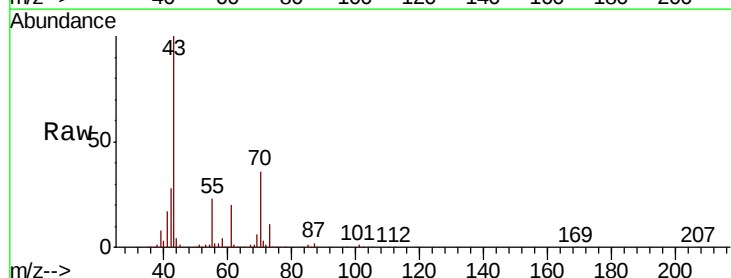
Ion Ratio Lower Upper

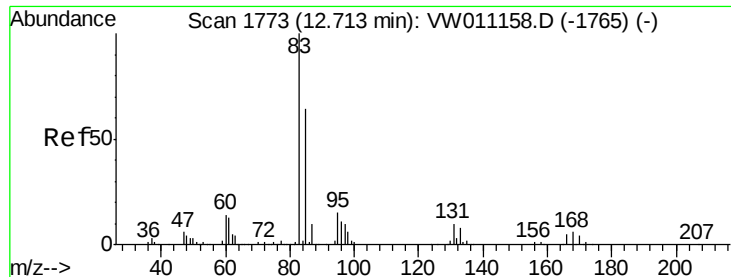
43 100

70 36.5 28.5 42.7

55 24.0 18.1 27.1

61 21.4 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.890 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

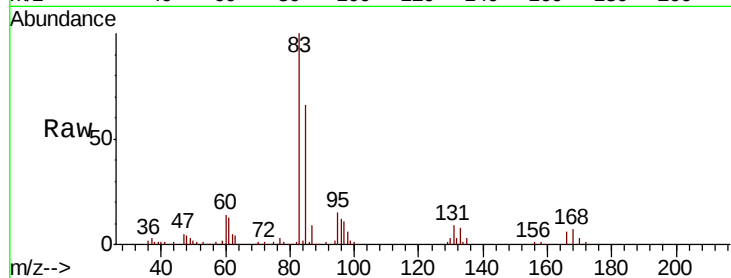
Tot Ion: 83 Resp: 44655

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

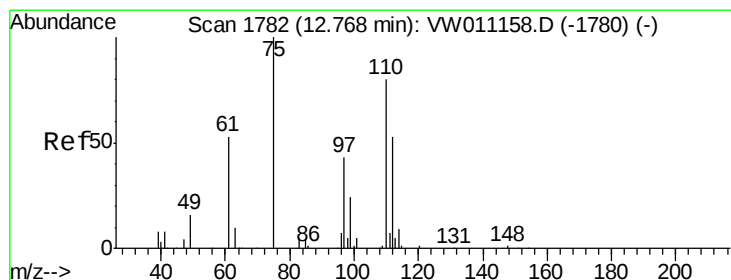
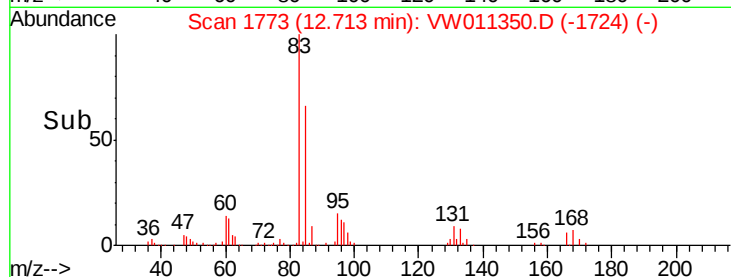
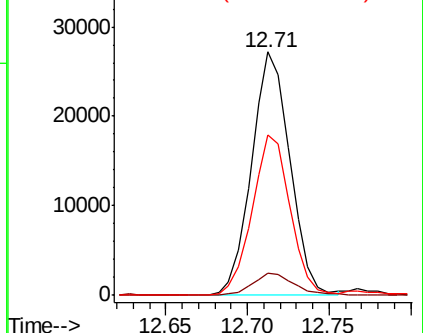
85 65.2 31.6 94.8



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: 36.804 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011350.D

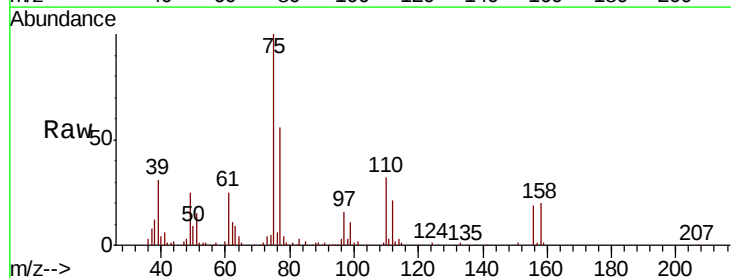
Acq: 18 Jul 2019 23:50

Tgt Ion: 75 Resp: 56621

Ion Ratio Lower Upper

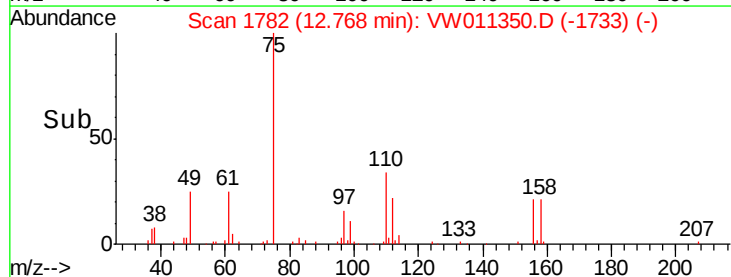
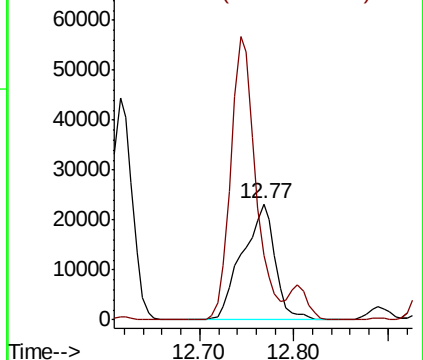
75 100

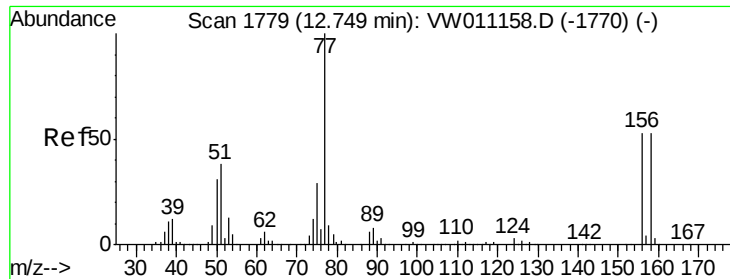
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

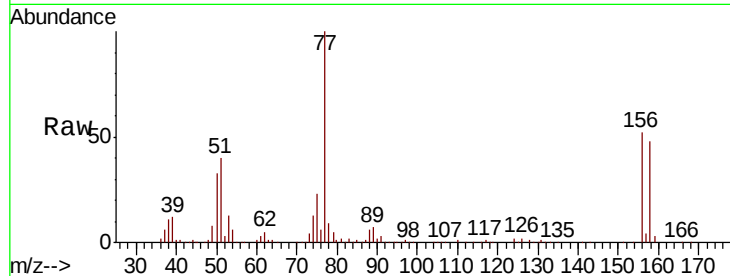




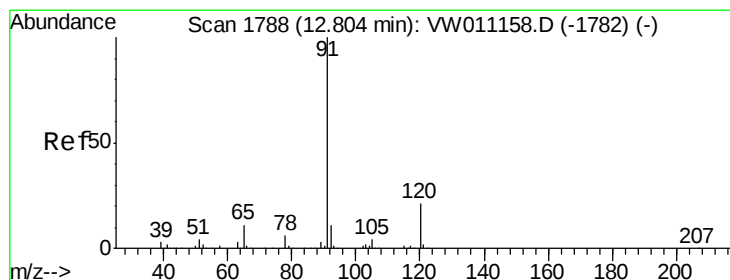
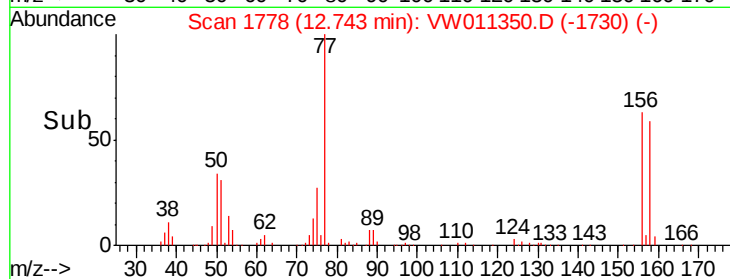
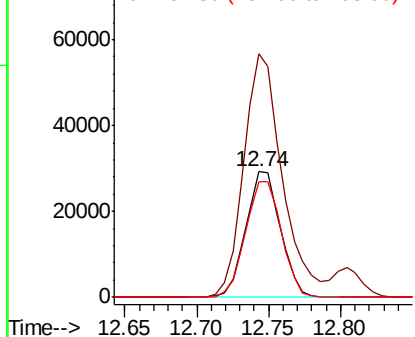
#77
Bromobenzene
Concen: 21.717 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. -0.01 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:156 Resp: 48503
Ion Ratio Lower Upper
156 100
77 215.2 109.0 327.0
158 95.9 48.8 146.3

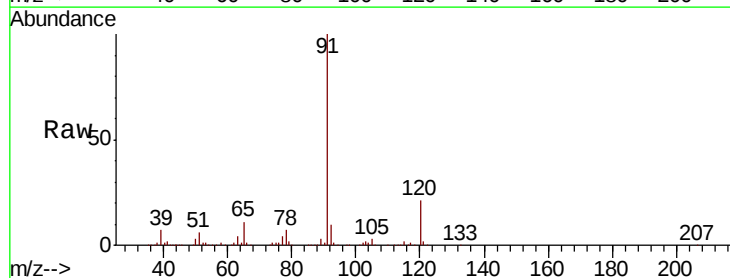


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

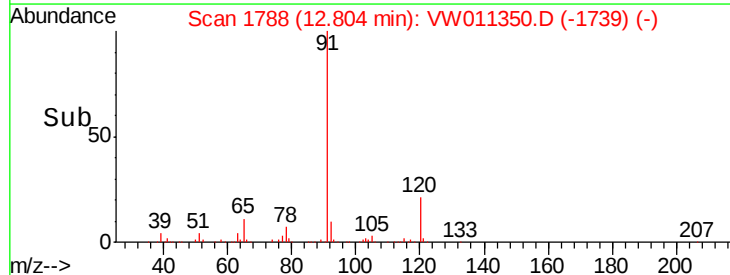
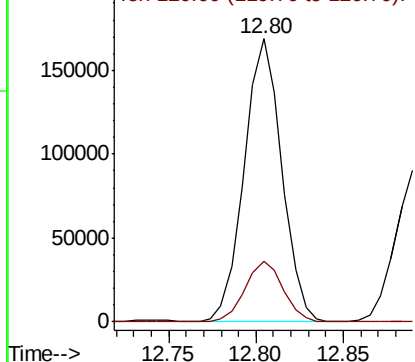


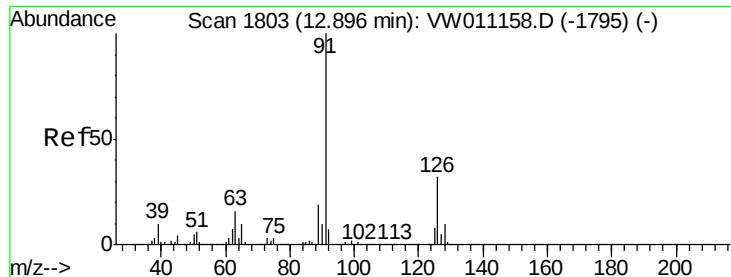
#78
n-propylbenzene
Concen: 20.525 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion: 91 Resp: 251621
Ion Ratio Lower Upper
91 100
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

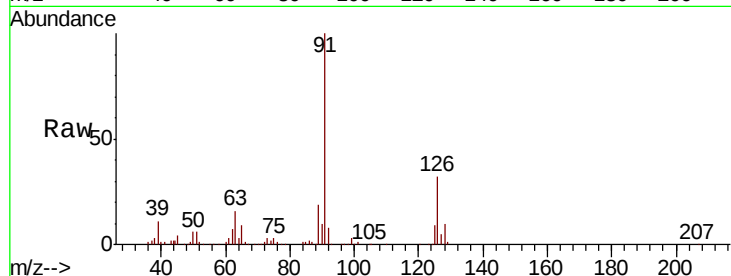
ClientSampled :

Tot Ion: 91 Resp: 146975

Ion Ratio Lower Upper

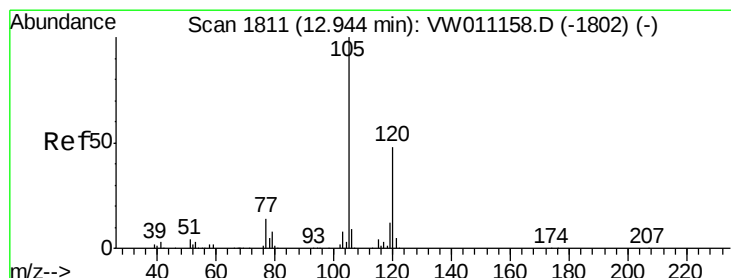
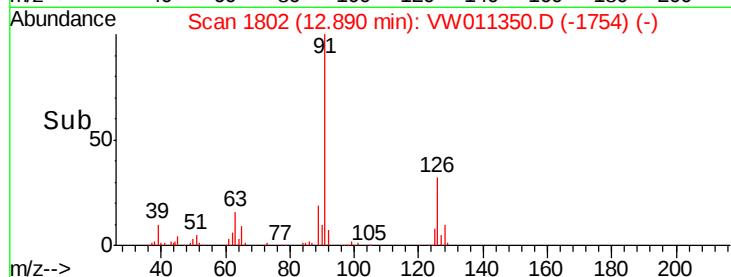
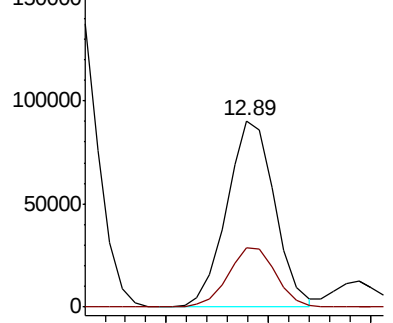
91 100

126 32.1 15.8 47.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.041 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011350.D

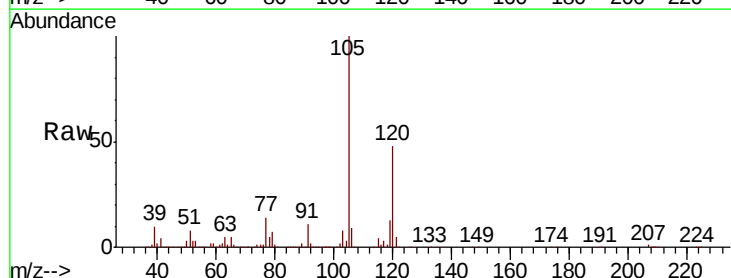
Acq: 18 Jul 2019 23:50

Tgt Ion: 105 Resp: 177896

Ion Ratio Lower Upper

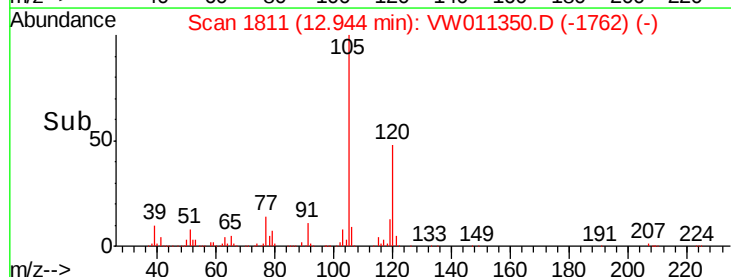
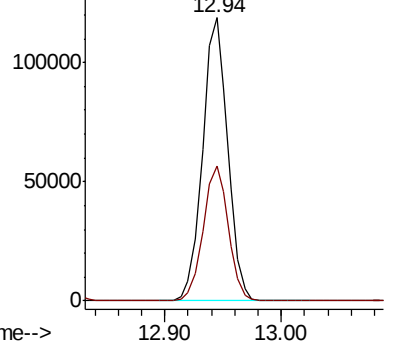
105 100

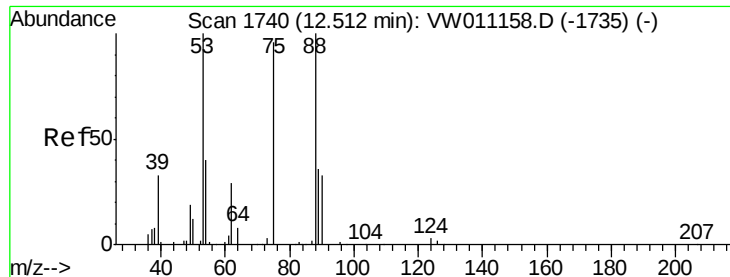
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.188 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

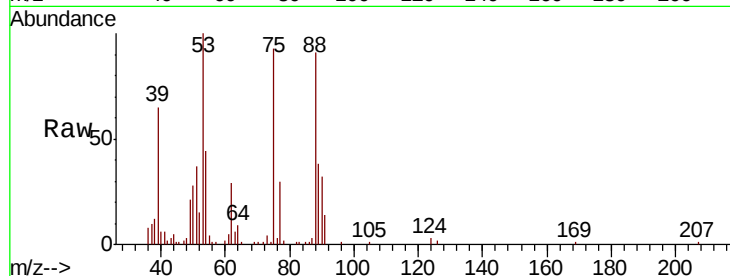
Tot Ion: 75 Resp: 12371

Ion Ratio Lower Upper

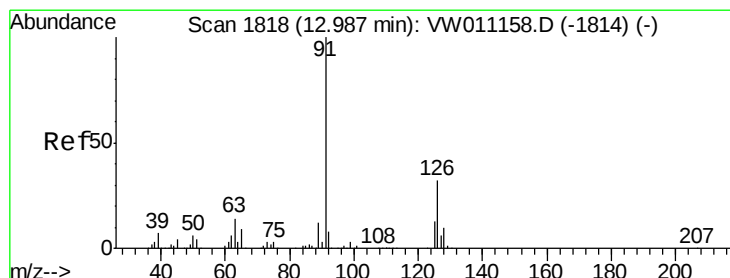
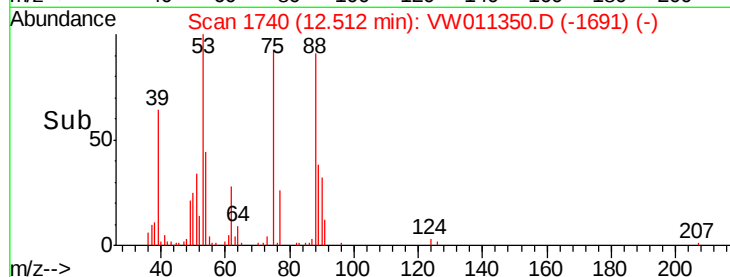
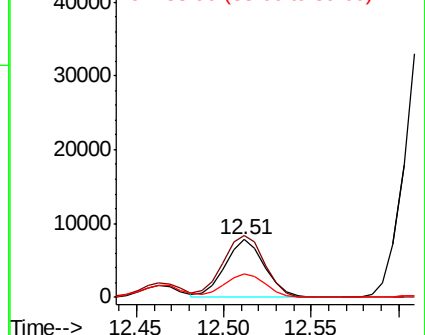
75 100

53 111.9 89.8 134.6

89 40.8 34.3 51.5



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.288 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011350.D

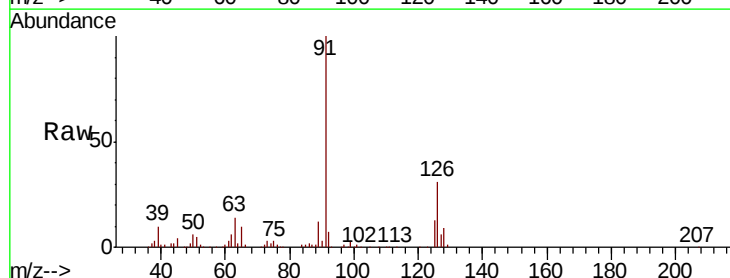
Acq: 18 Jul 2019 23:50

Tgt Ion: 91 Resp: 156423

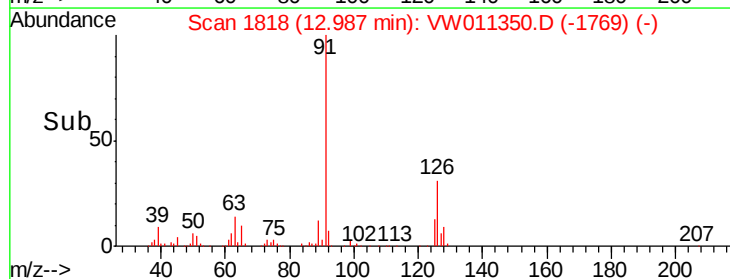
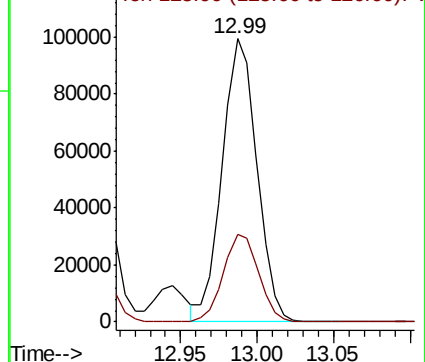
Ion Ratio Lower Upper

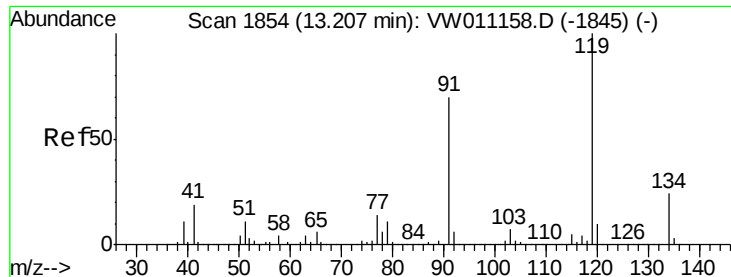
91 100

126 31.6 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

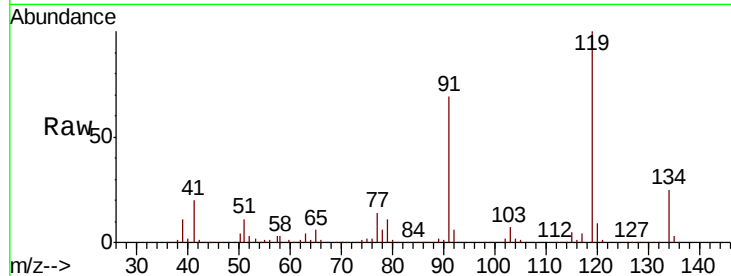




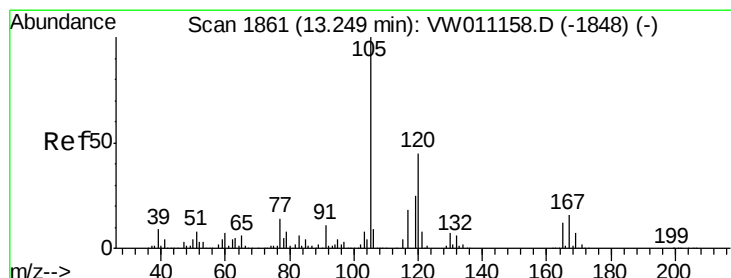
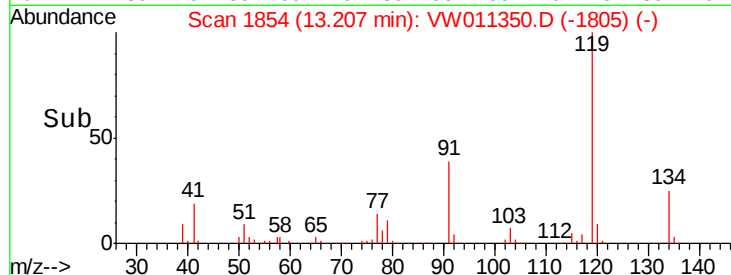
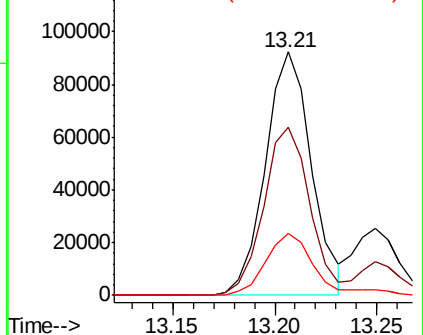
#83
tert-Butylbenzene
Concen: 20.605 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 145286
Ion Ratio Lower Upper
119 100
91 69.1 35.4 106.3
134 27.2 13.4 40.2

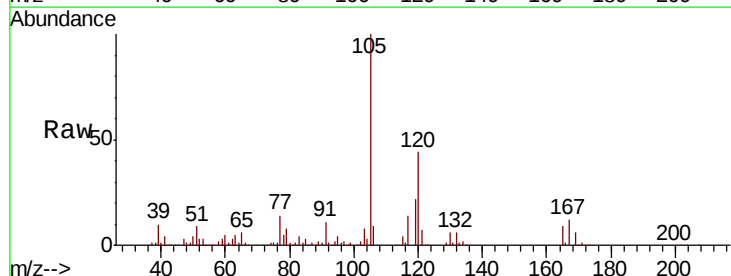


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

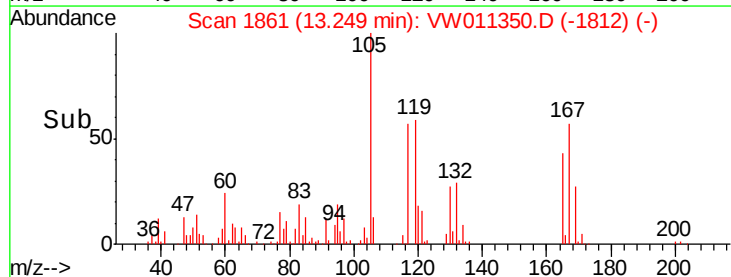
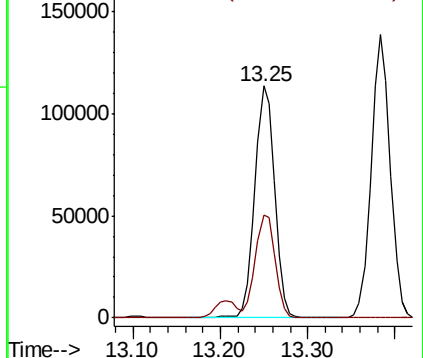


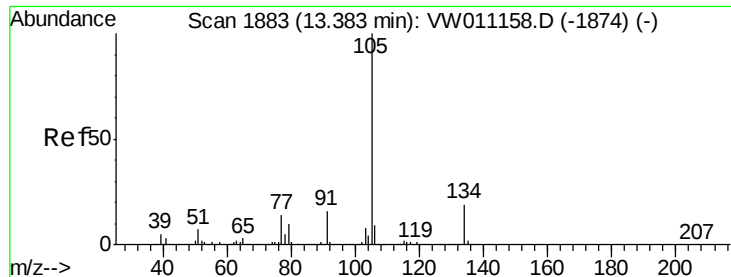
#84
1,2,4-Trimethylbenzene
Concen: 20.997 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:105 Resp: 178248
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9



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





#85

sec-Butylbenzene

Concen: 20.621 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

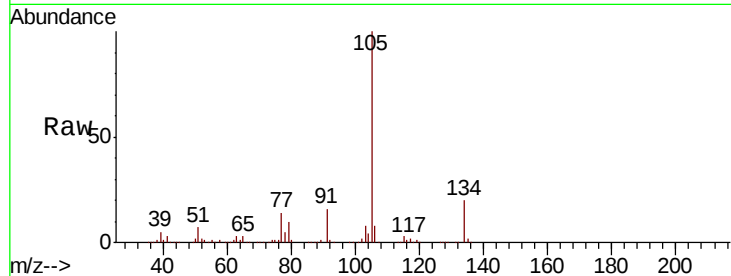
ClientSampleId :

Tot Ion:105 Resp: 209804

Ion Ratio Lower Upper

105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

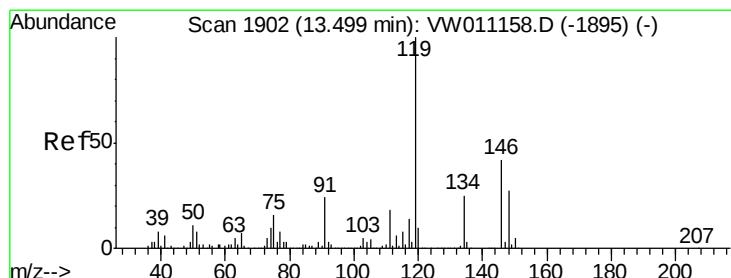
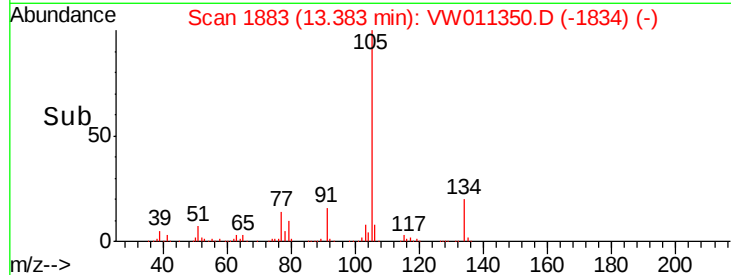
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.438 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

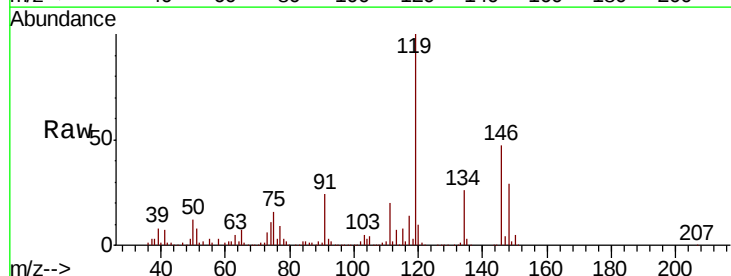
Tgt Ion:119 Resp: 186509

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.6

91 24.5 12.3 36.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

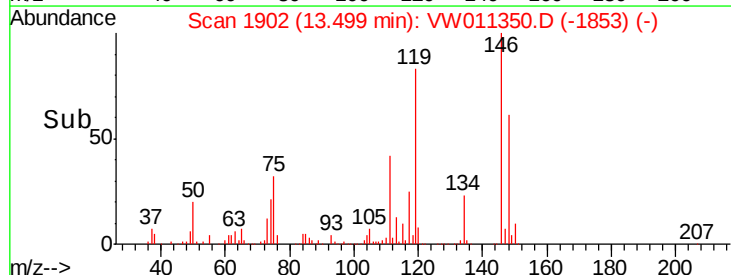
150000

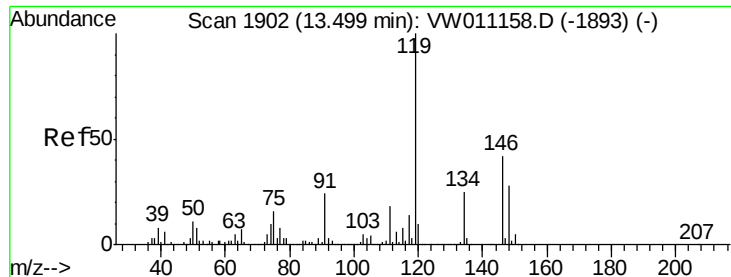
100000

50000

0

Time-->

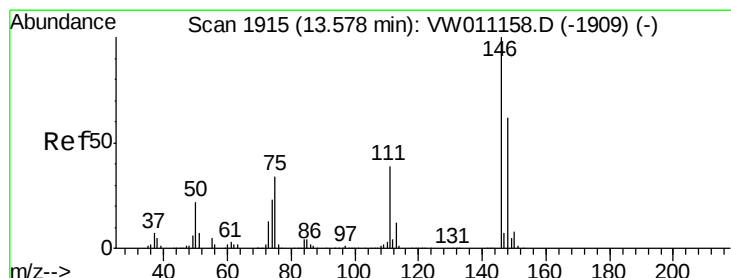
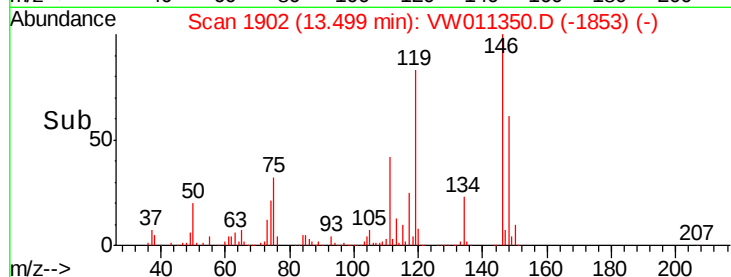
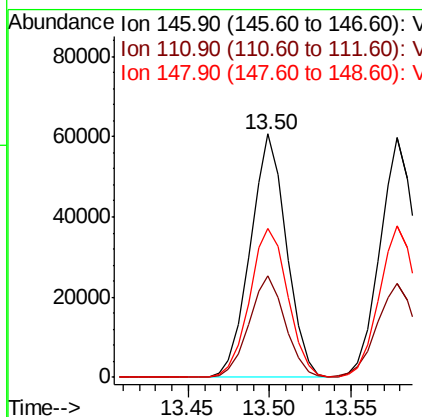
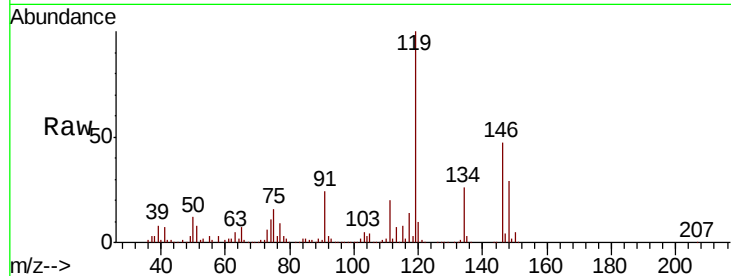




#87
 1,3-Dichlorobenzene
 Concen: 21.737 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

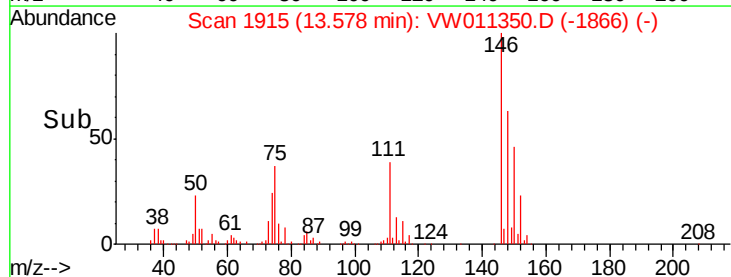
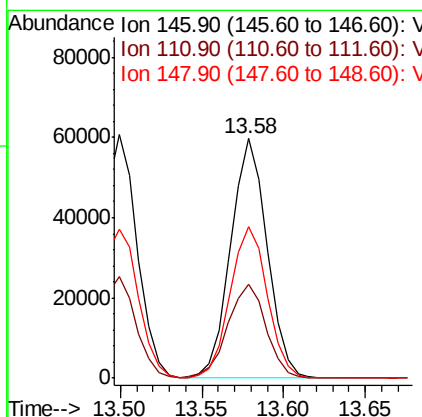
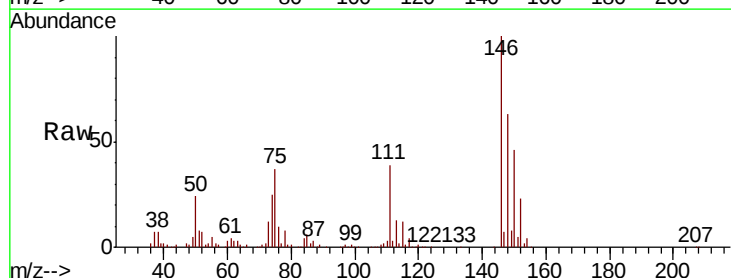
Instrument :
 MSVOA_W
 ClientSampleId :

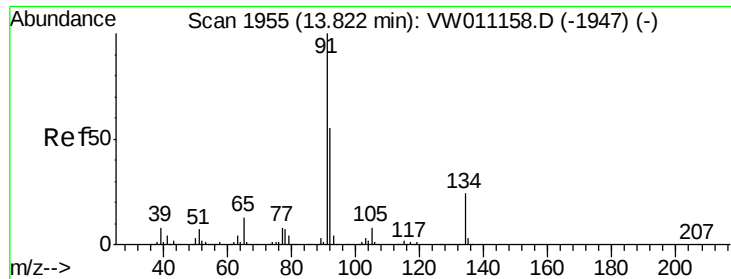
Tot Ion:146 Resp: 93402
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.1
 148 64.3 32.6 97.7



#88
 1,4-Dichlorobenzene
 Concen: 21.472 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion:146 Resp: 92909
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.9 59.7
 148 64.7 31.5 94.5





#89

n-Butylbenzene

Concen: 20.131 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

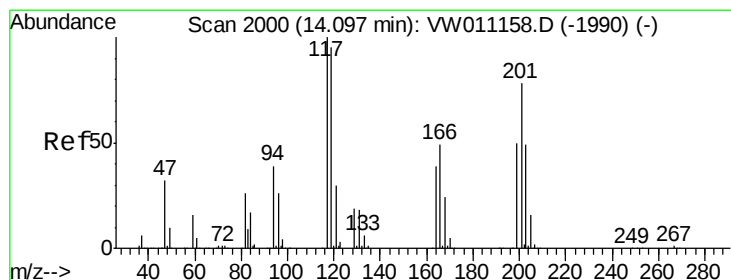
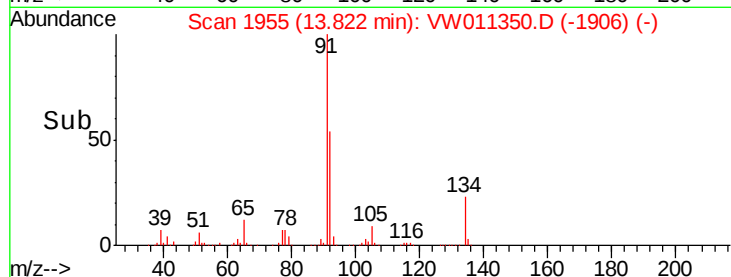
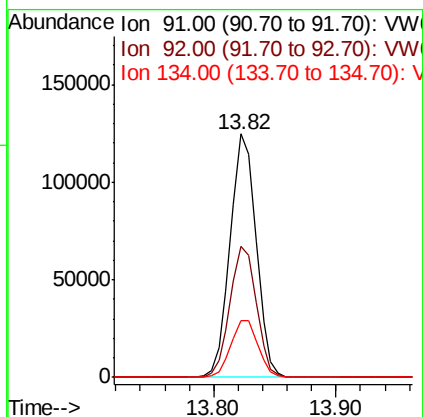
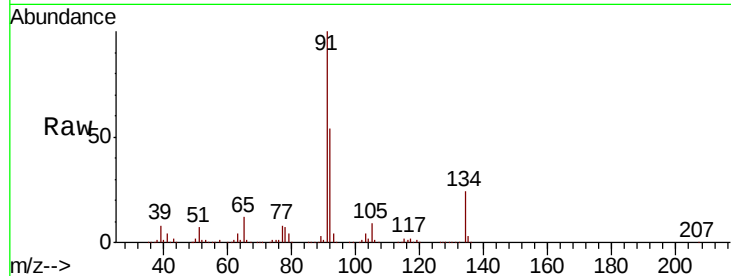
Tot Ion: 91 Resp: 183258

Ion Ratio Lower Upper

91 100

92 54.9 26.9 80.7

134 24.4 12.2 36.4



#90

Hexachloroethane

Concen: 19.650 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW011350.D

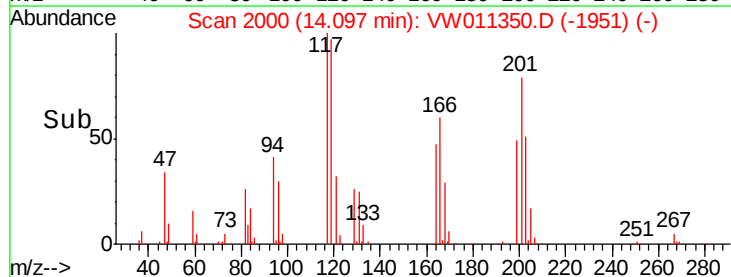
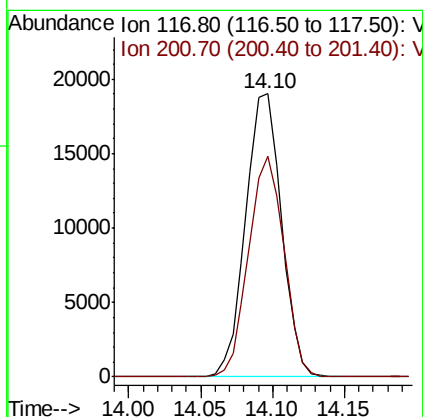
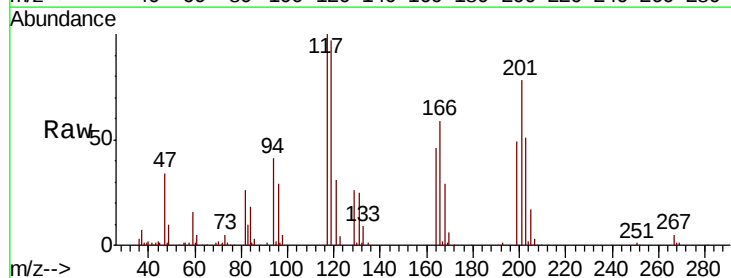
Acq: 18 Jul 2019 23:50

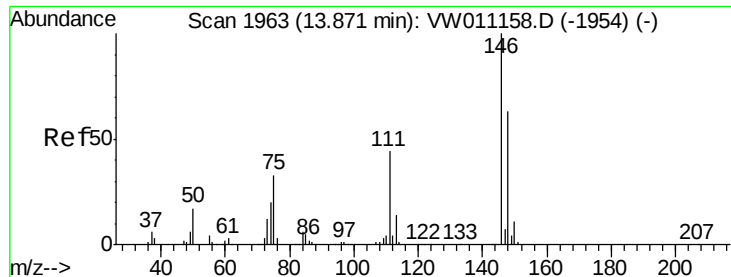
Tgt Ion: 117 Resp: 32767

Ion Ratio Lower Upper

117 100

201 77.1 38.3 114.8





#91

1,2-Dichlorobenzene

Concen: 21.701 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

Instrument :

MSVOA_W

ClientSampleId :

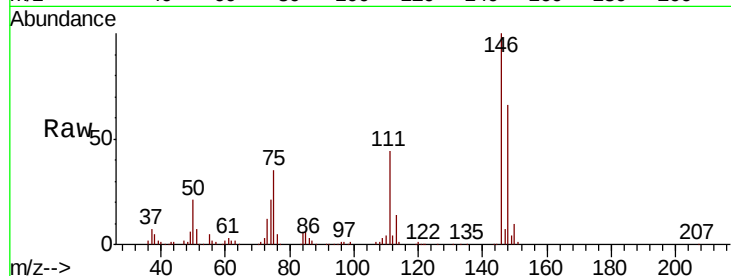
Tot Ion:146 Resp: 84595

Ion Ratio Lower Upper

146 100

111 43.6 21.6 65.0

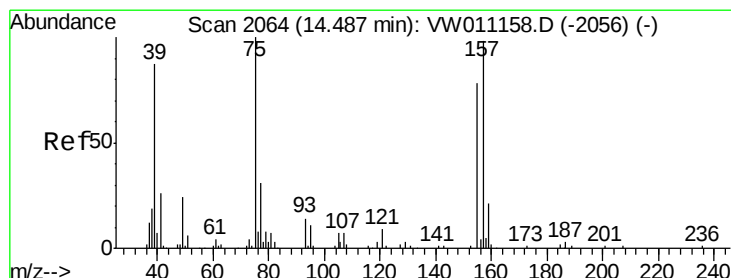
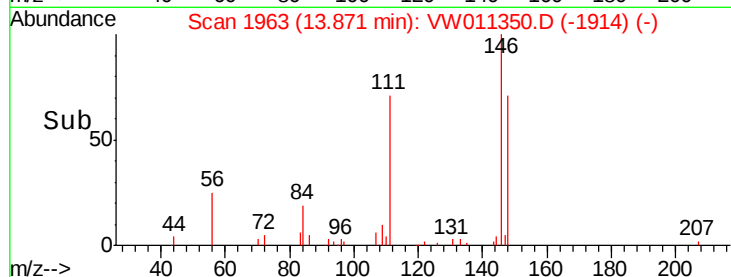
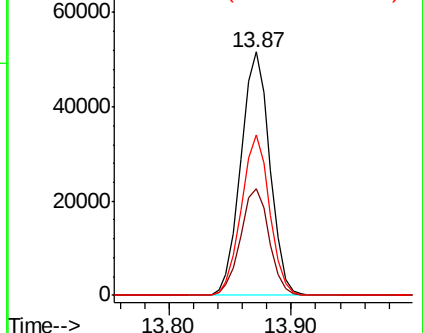
148 64.6 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.412 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW011350.D

Acq: 18 Jul 2019 23:50

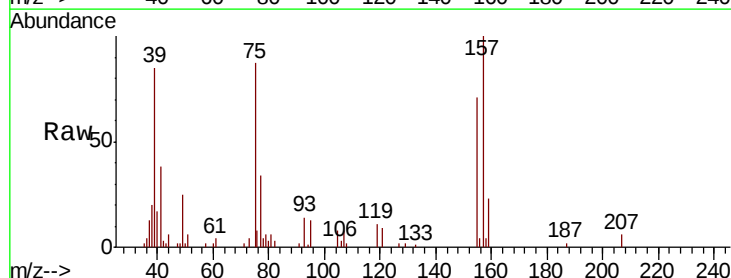
Tgt Ion: 75 Resp: 7386

Ion Ratio Lower Upper

75 100

155 78.1 37.1 111.3

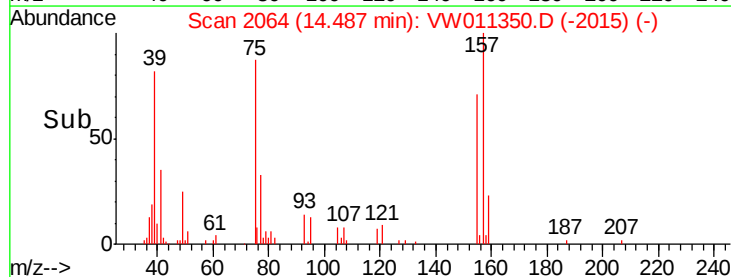
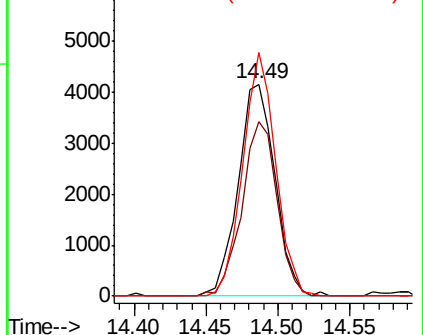
157 101.8 48.5 145.6

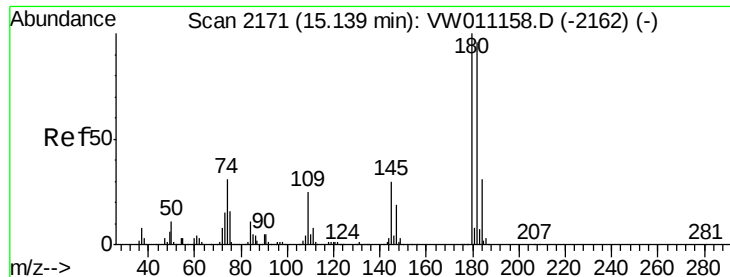


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

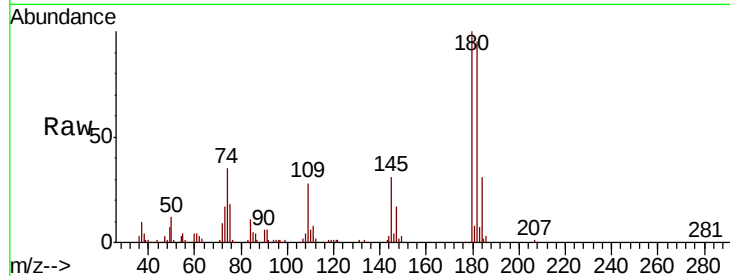




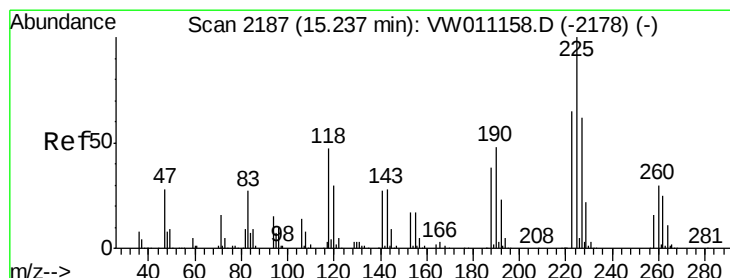
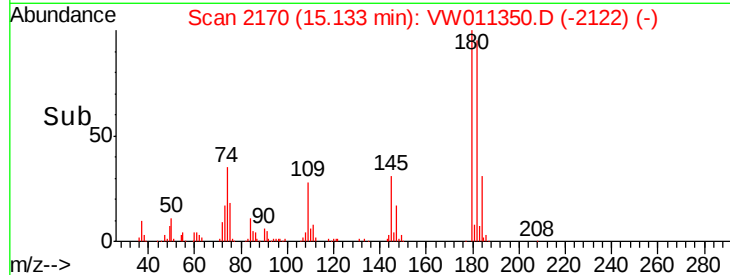
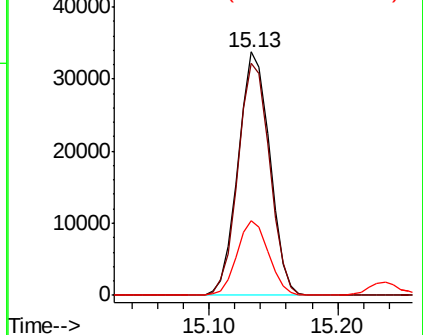
#93
 1,2,4-Trichlorobenzene
 Concen: 21.358 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 57347
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.3 144.9
 145 30.5 15.5 46.5

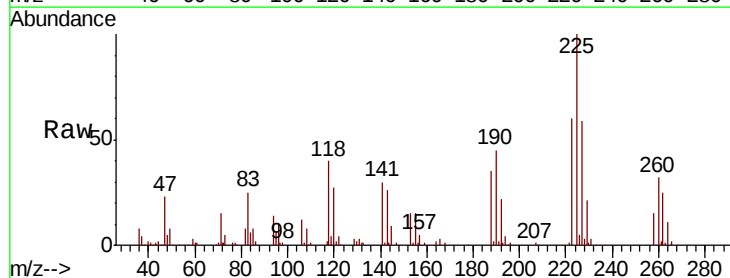


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

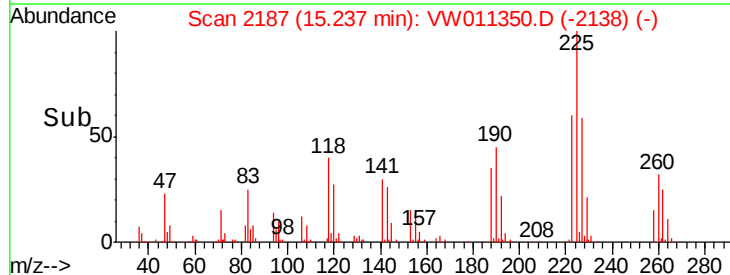
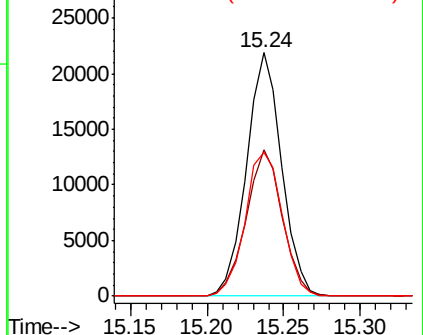


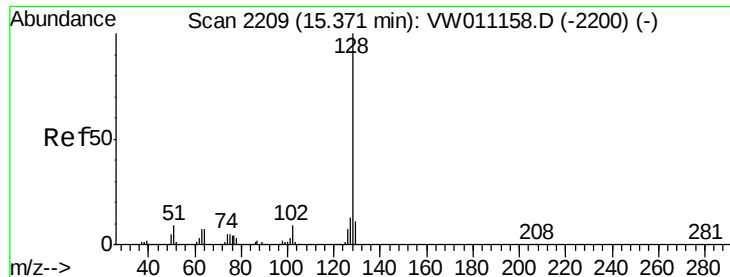
#94
 Hexachlorobutadiene
 Concen: 21.177 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011350.D
 Acq: 18 Jul 2019 23:50

Tgt Ion:225 Resp: 34909
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.6 95.0
 227 62.8 32.0 96.0



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

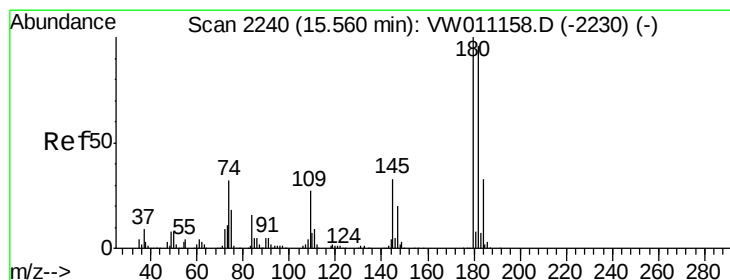
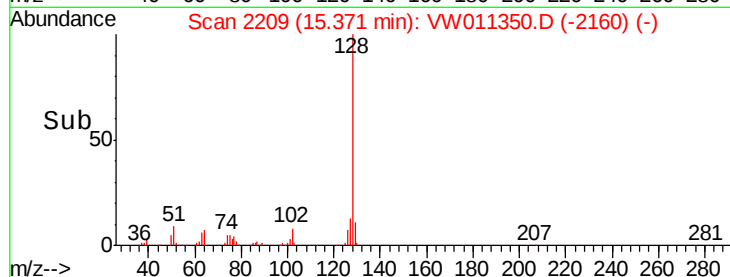
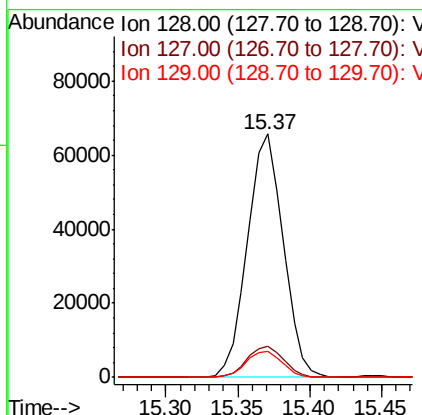
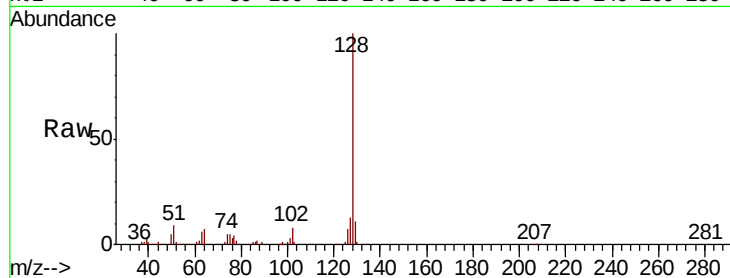




#95
Naphthalene
Concen: 21.996 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 113177
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 22.219 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011350.D
Acq: 18 Jul 2019 23:50

Tgt Ion:180 Resp: 52652
Ion Ratio Lower Upper
180 100
182 95.5 47.6 142.8
145 32.2 16.5 49.5

