

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011020\
 Data File : VW014607.D
 Acq On : 10 Jan 2020 18:36
 Operator : SY/VA
 Sample : L1051-10MS
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

Quant Time: Jan 11 04:00:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	788126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1191767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1052102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	510696	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	392693	56.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.98%	
35) Dibromofluoromethane	7.88	113	10450	1.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	3.06%	
50) Toluene-d8	10.32	98	1603938	56.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.86%	
62) 4-Bromofluorobenzene	12.62	95	545184	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	224162	50.374	ug/l	98
3) Chloromethane	2.21	50	261044	47.926	ug/l	97
4) Vinyl Chloride	2.36	62	434267	54.206	ug/l	98
5) Bromomethane	2.77	94	274936	55.554	ug/l	96
6) Chloroethane	2.92	64	258225	56.544	ug/l	99
7) Trichlorofluoromethane	3.25	101	199761	49.836	ug/l	96
8) Diethyl Ether	3.67	74	239668	60.094	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	416062	55.553	ug/l	99
10) Methyl Iodide	4.27	142	641638	56.781	ug/l	100
11) Tert butyl alcohol	5.16	59	140283	265.457	ug/l	99
12) 1,1-Dichloroethene	4.04	96	483784	61.683	ug/l	98
13) Acrolein	3.89	56	19119	31.790	ug/l	93
14) Allyl chloride	4.66	41	677568	56.533	ug/l	99
15) Acrylonitrile	5.36	53	523248	287.029	ug/l	99
16) Acetone	4.11	43	597130	306.896	ug/l	98
17) Carbon Disulfide	4.39	76	1221685	51.681	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	633332	65.052	ug/l	99
20) Methylene Chloride	4.92	84	480500	62.154	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	474500	56.977	ug/l	98
22) Diisopropyl ether	6.31	45	1332121	59.381	ug/l	95
23) Vinyl Acetate	6.31	43	627834	46.346	ug/l #	72
24) 1,1-Dichloroethane	6.21	63	830273	58.673	ug/l	98
25) 2-Butanone	7.17	43	739020	295.966	ug/l	100
26) 2,2-Dichloropropane	7.16	77	412954	52.709	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	519283	59.342	ug/l	99
28) Bromochloromethane	7.51	49	331259	59.710	ug/l	99
29) Tetrahydrofuran	7.52	42	434910	281.151	ug/l	99
30) Chloroform	7.67	83	792971	59.924	ug/l	98
31) Cyclohexane	7.95	56	755483	51.372	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	611592	57.466	ug/l	99
36) 1,1-Dichloropropene	8.08	75	643278	55.990	ug/l	99
37) Ethyl Acetate	7.17	43	739020	141.826	ug/l #	1
38) Carbon Tetrachloride	8.06	117	553292	55.509	ug/l	100
39) Methylcyclohexane	9.33	83	774341	52.519	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.32	78	1892230	58.210	ug/l	99
41) Methacrylonitrile	7.48	41	164432	56.610	ug/l	99
42) 1,2-Dichloroethane	8.40	62	490978	58.201	ug/l	100
43) Isopropyl Acetate	8.42	43	182280	19.264	ug/l #	74
44) Trichloroethene	9.09	130	922089	104.829	ug/l	94
45) 1,2-Dichloropropane	9.37	63	474093	59.433	ug/l	98
46) Dibromomethane	9.46	93	231753	58.851	ug/l	100
47) Bromodichloromethane	9.64	83	569314	58.558	ug/l	99
48) Methyl methacrylate	9.43	41	13776	2.982	ug/l	94
49) 1,4-Dioxane	9.45	88	71878	975.897	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	1445649	294.209	ug/l	99
52) Toluene	10.38	92	1194878	58.428	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	593318	58.941	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	716485	58.238	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	301105	52.354	ug/l	96
56) Ethyl methacrylate	10.64	69	112826	15.095	ug/l #	84
57) 1,3-Dichloropropane	10.93	76	601187	59.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	702194	308.901	ug/l	100
59) 2-Hexanone	10.96	43	1049828	310.054	ug/l	100
60) Dibromochloromethane	11.13	129	380832	58.687	ug/l	100
61) 1,2-Dibromoethane	11.23	107	319035	58.439	ug/l	99
64) Tetrachloroethene	10.86	164	735671	96.585	ug/l	99
65) Chlorobenzene	11.65	112	1221057	56.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	414991	57.183	ug/l	99
67) Ethyl Benzene	11.73	91	2178673	56.088	ug/l	98
68) m/p-Xylenes	11.84	106	1667686	112.177	ug/l	100
69) o-Xylene	12.16	106	781881	56.937	ug/l	100
70) Stvrene	12.18	104	1373036	59.113	ug/l	99
71) Bromoform	12.35	173	225161	56.880	ug/l #	99
73) Isopropylbenzene	12.46	105	2095991	55.934	ug/l	100
74) N-amyl acetate	12.27	43	22132	2.634	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.77	83	9920	1.467	ug/l #	94
76) 1,2,3-Trichloropropane	12.76	75	478092	99.013	ug/l #	100
77) Bromobenzene	12.74	156	508740	58.454	ug/l	98
78) n-propylbenzene	12.80	91	2447438	55.543	ug/l	100
79) 2-Chlorotoluene	12.89	91	1415506	56.450	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1723512	54.779	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	118423	54.644	ug/l	98
82) 4-Chlorotoluene	12.99	91	1452269	55.745	ug/l	100
83) tert-Butylbenzene	13.20	119	1485331	53.920	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1742663	55.658	ug/l	100
85) sec-Butylbenzene	13.38	105	2072049	54.342	ug/l	100
86) p-Isopropyltoluene	13.49	119	1894381	54.507	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	939518	55.514	ug/l	99
88) 1,4-Dichlorobenzene	13.57	146	937010	56.081	ug/l	99
89) n-Butylbenzene	13.82	91	1718937	53.260	ug/l	99
90) Hexachloroethane	14.09	117	323711	53.317	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	856939	57.609	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	52318	48.846	ug/l	99
93) 1,2,4-Trichlorobenzene	15.13	180	587665	58.503	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.23	225	315380	46.850	ug/l	99
95) Naphthalene	15.36	128	1107302	64.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	511411	58.408	ug/l	98

(#) = 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: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

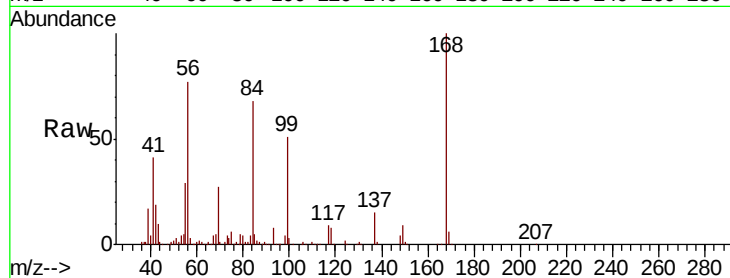
SB-3H-(8.5-10.5)MS

Tot Ion:168 Resp: 788126

Ion Ratio Lower Upper

168 100

99 51.1 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

400000

300000

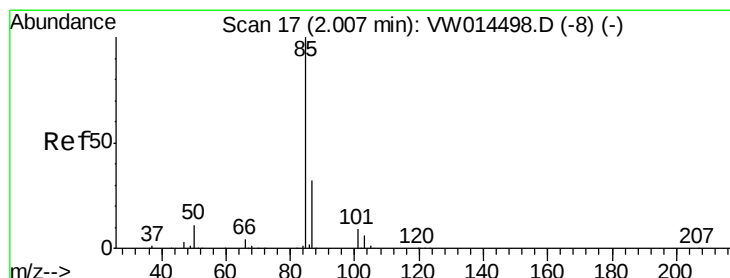
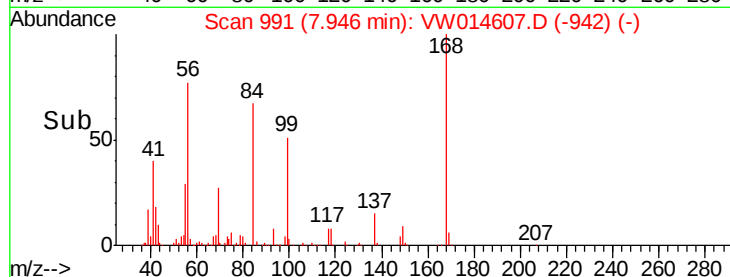
200000

100000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.374 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014607.D

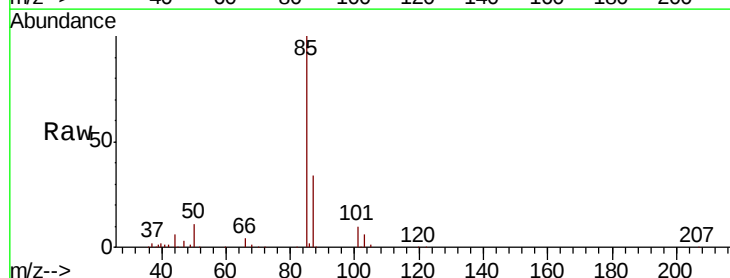
Acq: 10 Jan 2020 18:36

Tgt Ion: 85 Resp: 224162

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

80000

60000

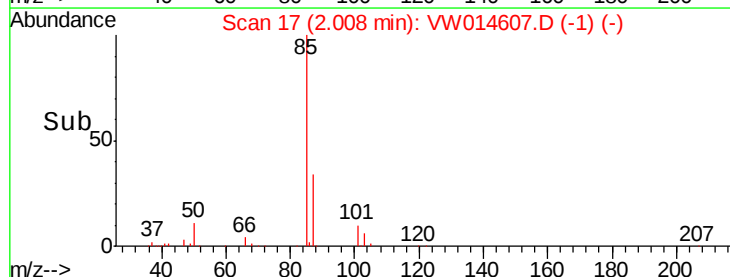
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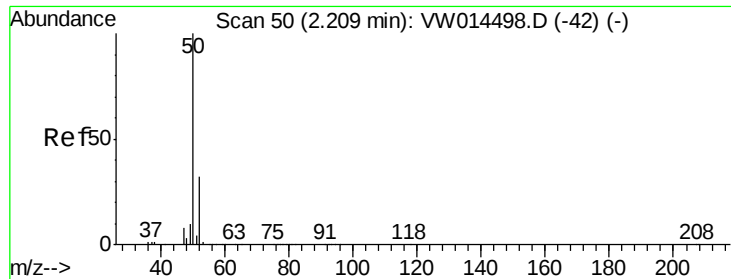
20000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 47.926 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

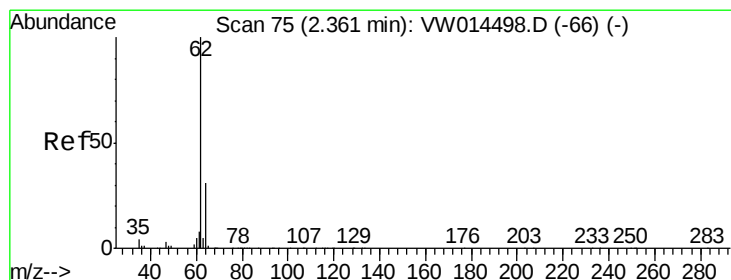
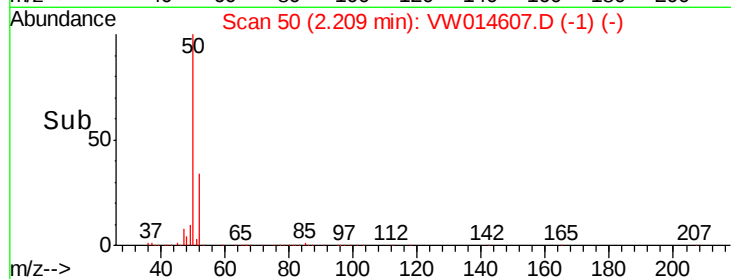
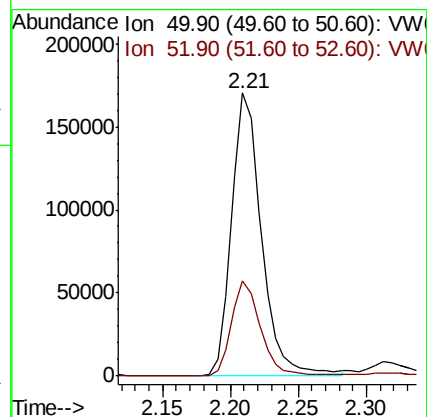
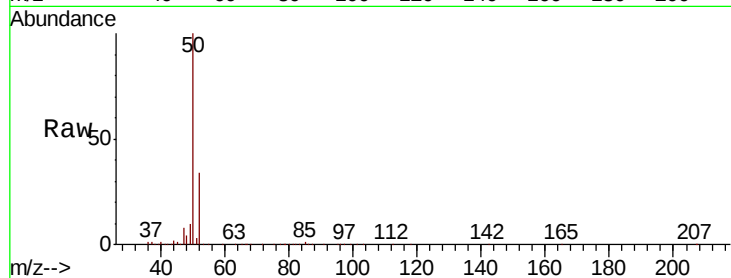
SB-3H-(8.5-10.5)MS

Tot Ion: 50 Resp: 261044

Ion Ratio Lower Upper

50 100

52 33.8 25.8 38.8



#4

Vinyl Chloride

Concen: 54.206 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014607.D

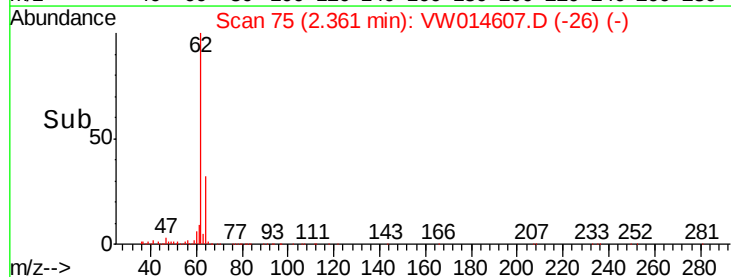
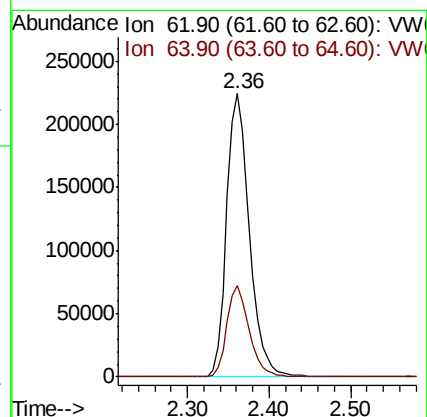
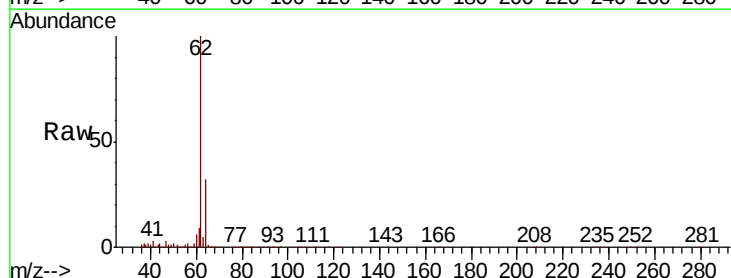
Acq: 10 Jan 2020 18:36

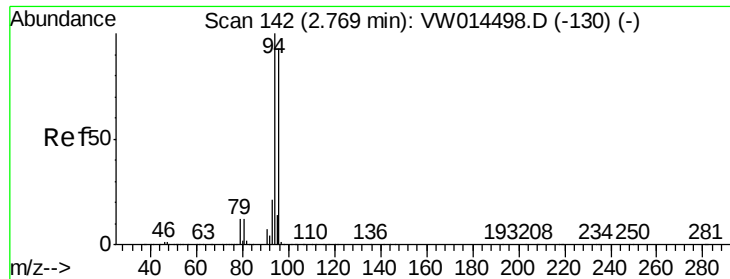
Tgt Ion: 62 Resp: 434267

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 55.554 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

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ClientSampleId :

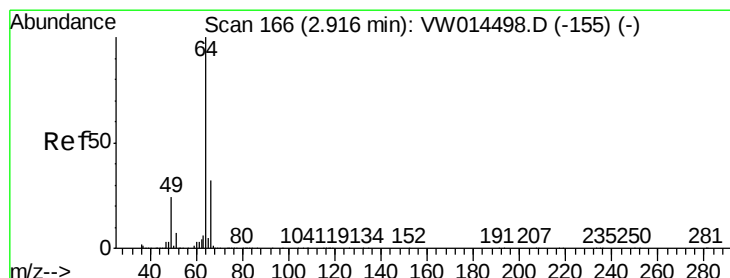
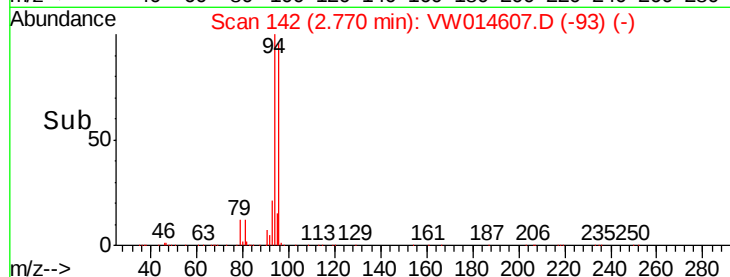
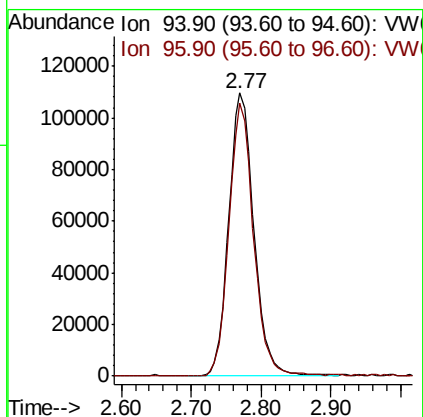
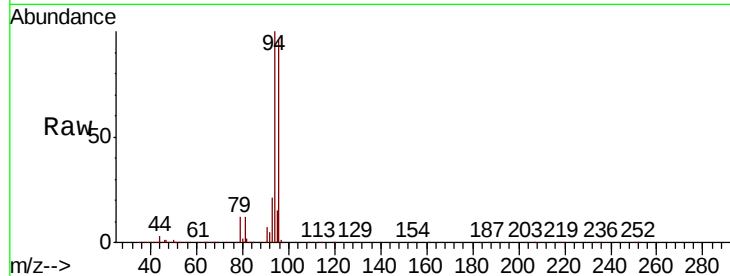
SB-3H-(8.5-10.5)MS

Tot Ion: 94 Resp: 274936

Ion Ratio Lower Upper

94 100

96 96.4 74.2 111.2



#6

Chloroethane

Concen: 56.544 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014607.D

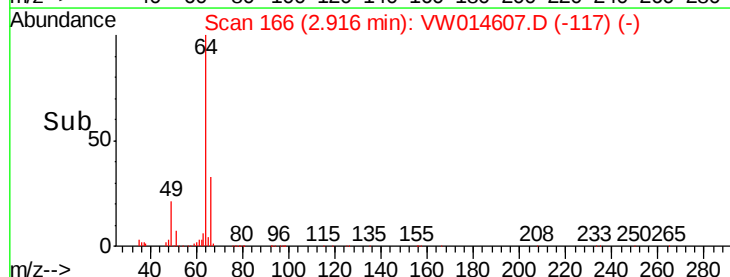
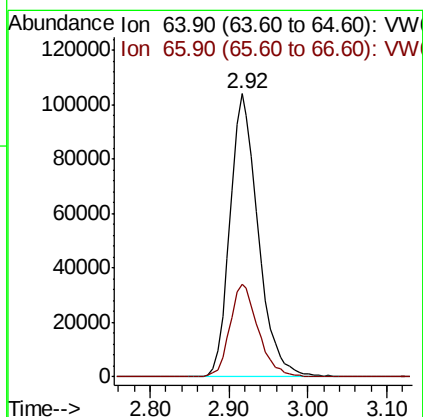
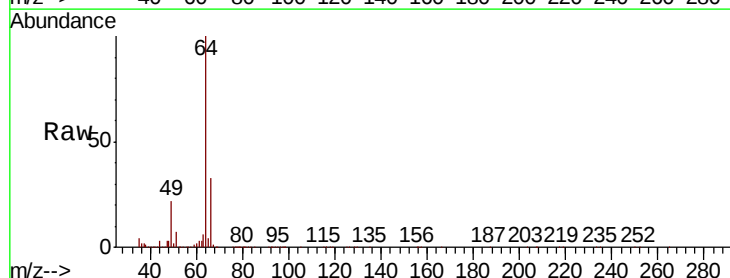
Acq: 10 Jan 2020 18:36

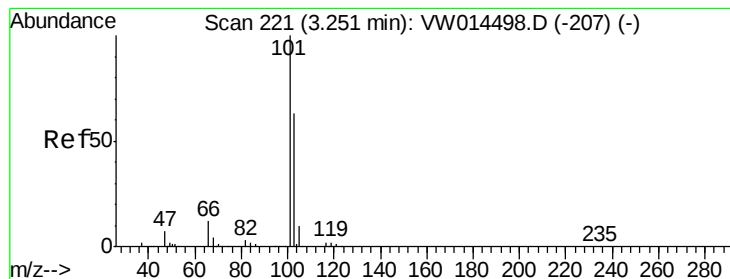
Tgt Ion: 64 Resp: 258225

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5



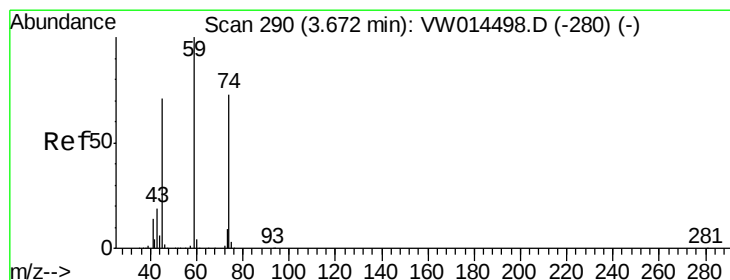
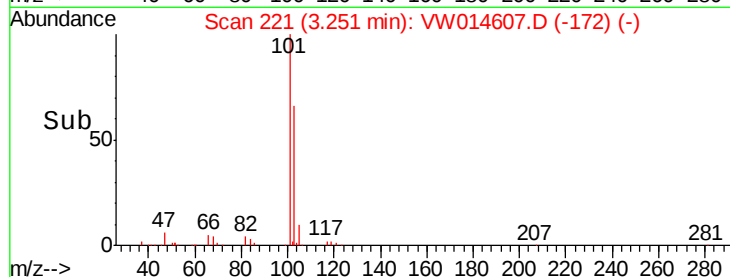
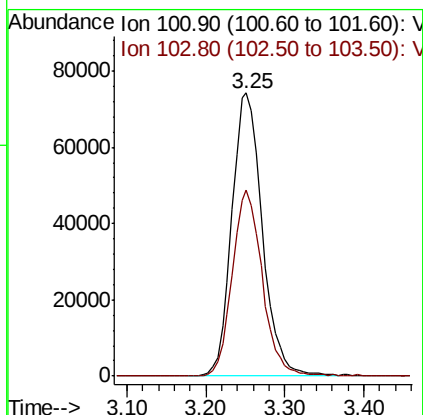
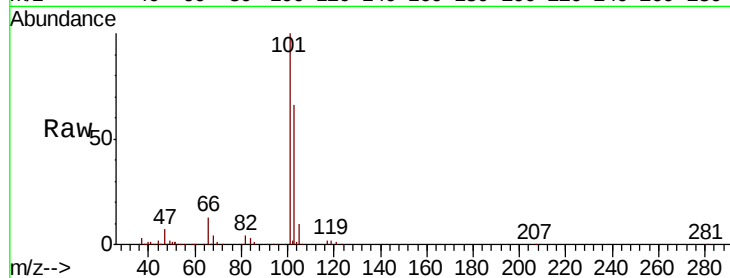


#7

Trichlorofluoromethane
 Concen: 49.836 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. 0.00 min
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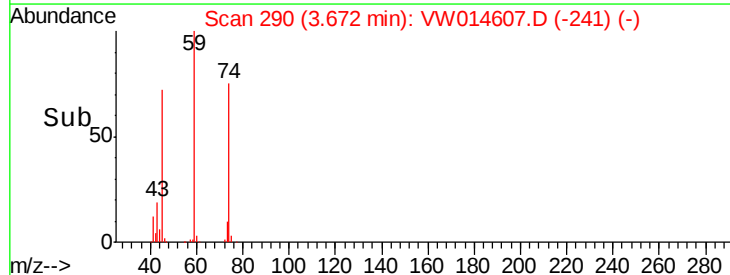
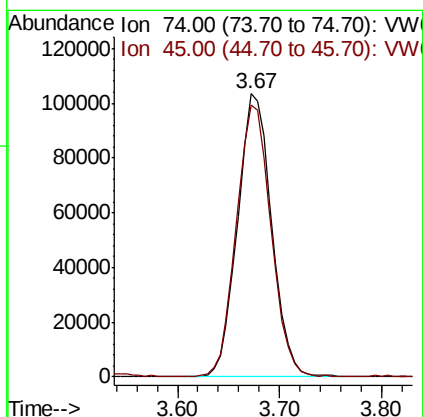
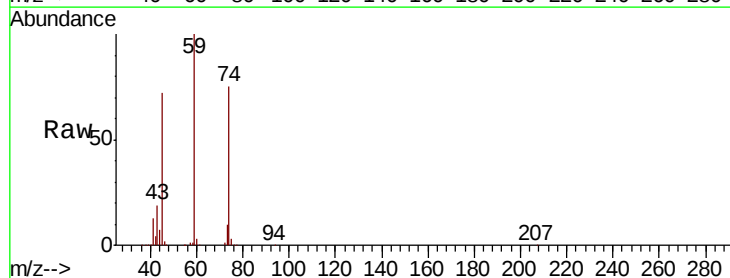
Tot Ion:101 Resp: 199761
 Ion Ratio Lower Upper
 101 100
 103 65.8 50.1 75.1



#8

Diethyl Ether
 Concen: 60.094 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

Tgt Ion: 74 Resp: 239668
 Ion Ratio Lower Upper
 74 100
 45 97.5 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.553 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

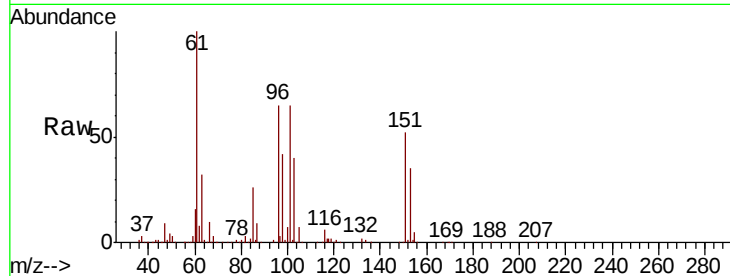
Tot Ion:101 Resp: 416062

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

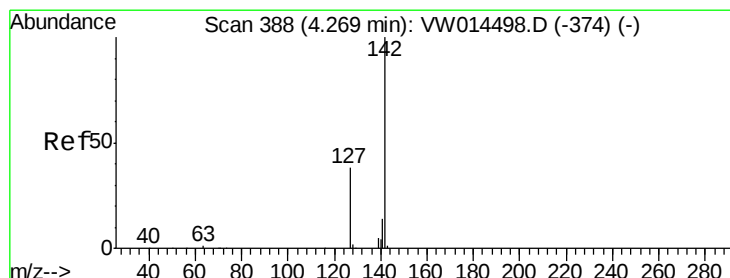
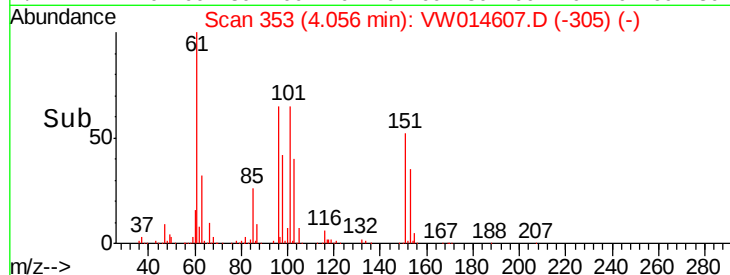
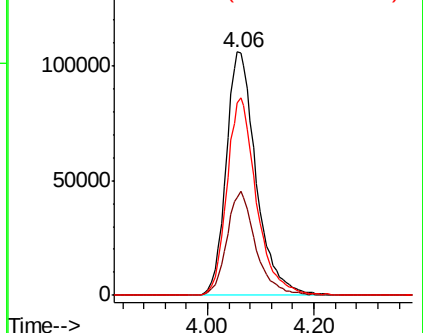
151 79.8 63.5 95.3



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: 56.781 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014607.D

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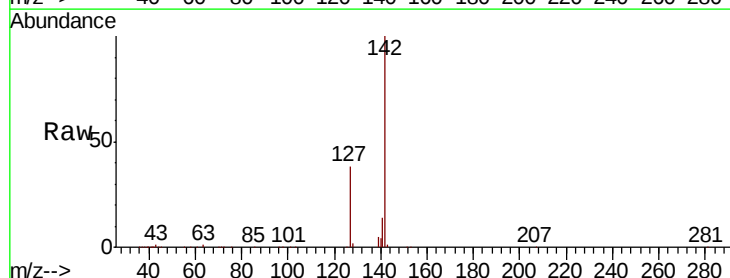
Tgt Ion:142 Resp: 641638

Ion Ratio Lower Upper

142 100

127 38.1 30.2 45.4

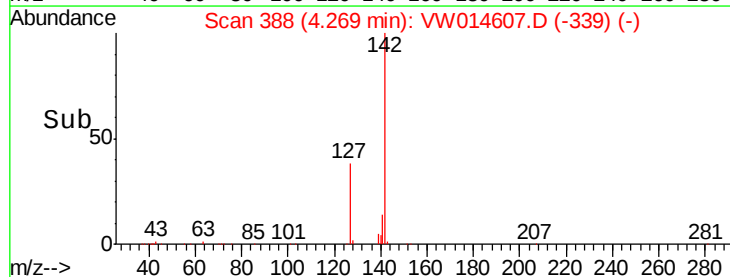
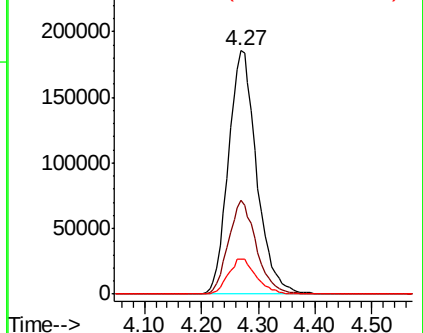
141 14.4 11.4 17.2

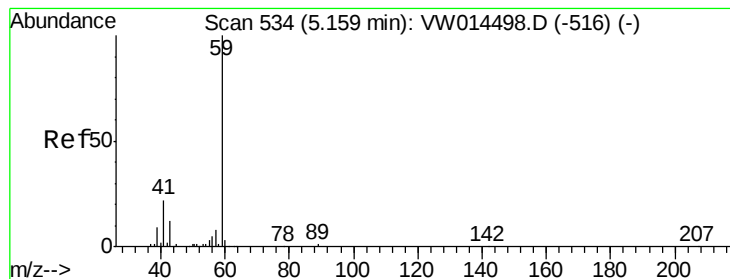


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 265.457 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

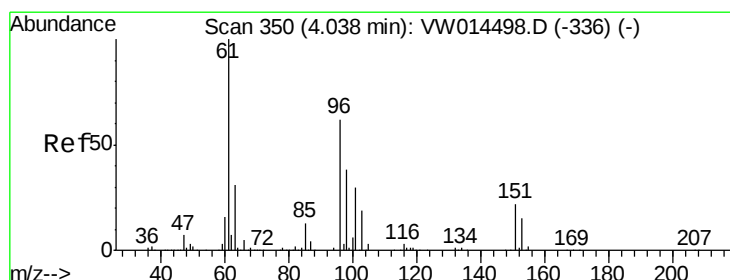
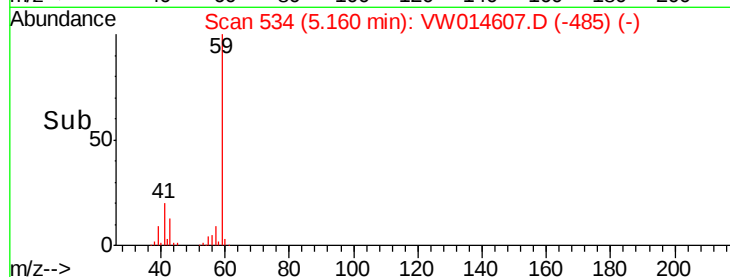
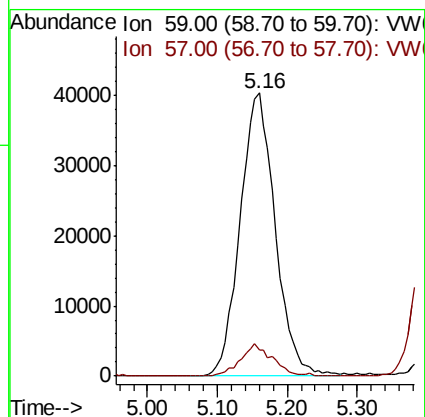
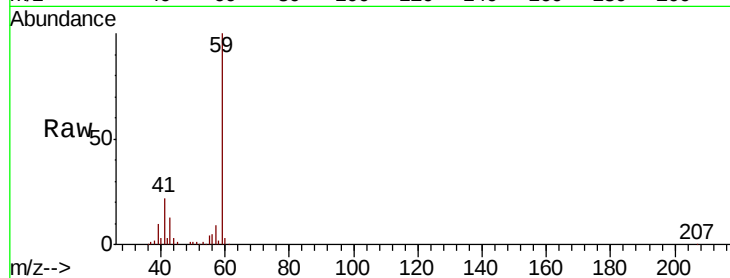
SB-3H-(8.5-10.5)MS

Tot Ion: 59 Resp: 140283

Ion Ratio Lower Upper

59 100

57 10.3 7.8 11.8



#12

1,1-Dichloroethene

Concen: 61.683 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

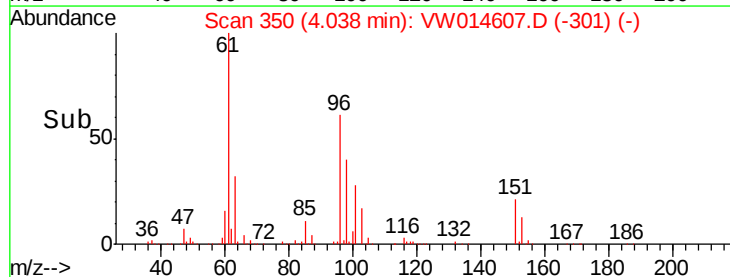
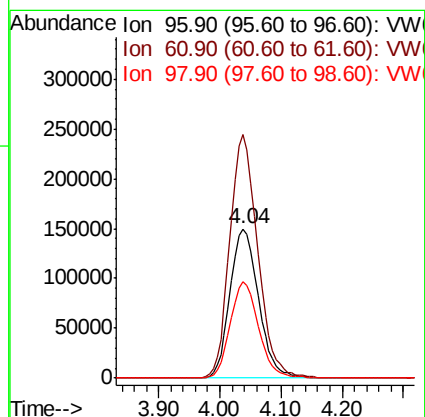
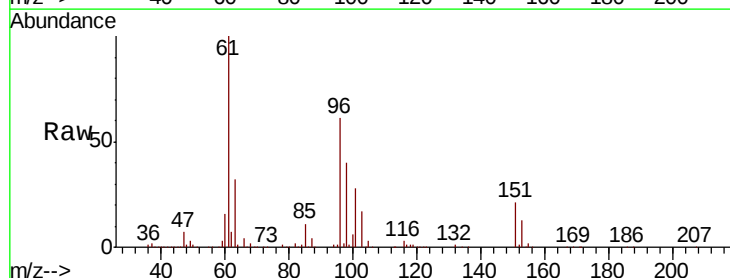
Tgt Ion: 96 Resp: 483784

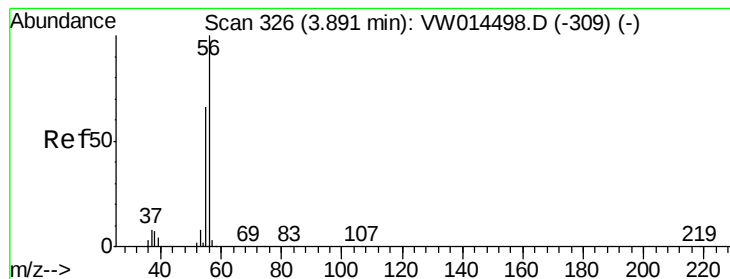
Ion Ratio Lower Upper

96 100

61 162.8 128.4 192.6

98 64.6 49.1 73.7





#13

Acrolein

Concen: 31.790 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

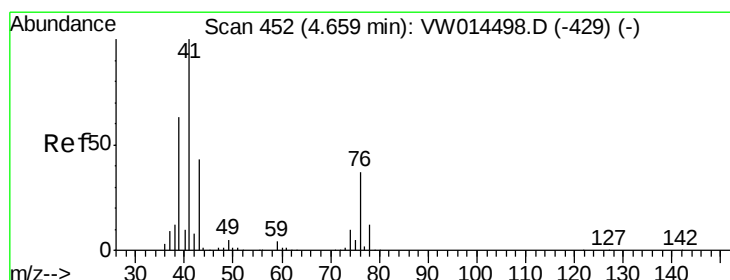
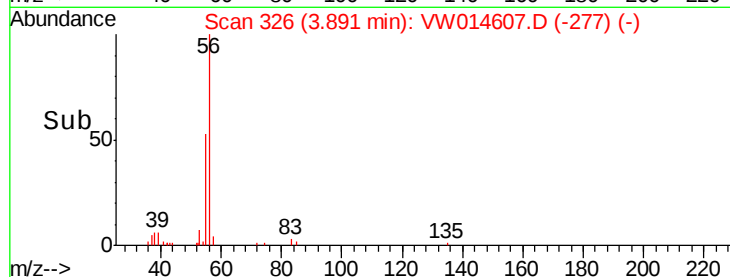
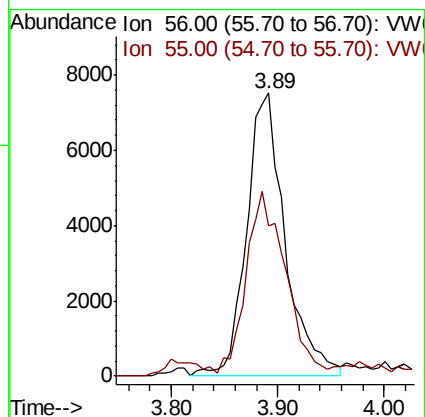
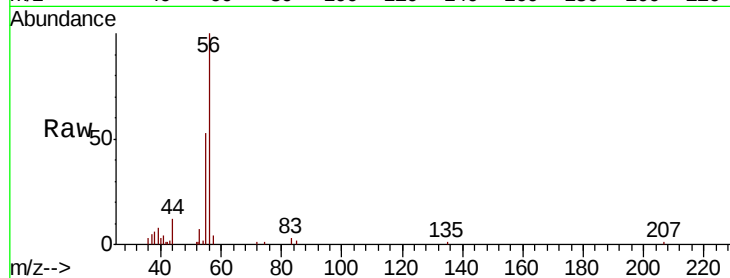
SB-3H-(8.5-10.5)MS

Tot Ion: 56 Resp: 19119

Ion Ratio Lower Upper

56 100

55 65.0 56.7 85.1



#14

Allyl chloride

Concen: 56.533 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

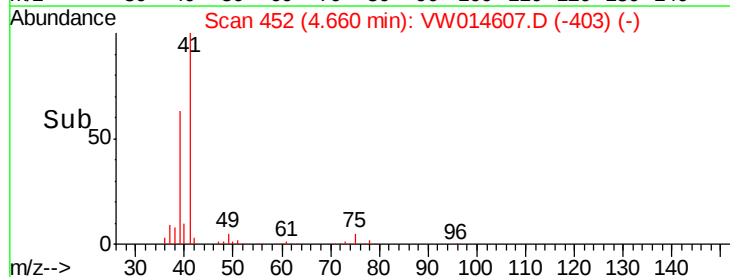
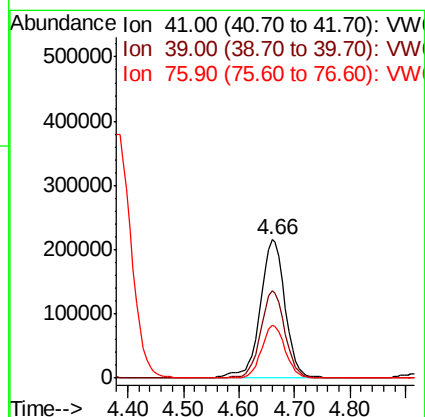
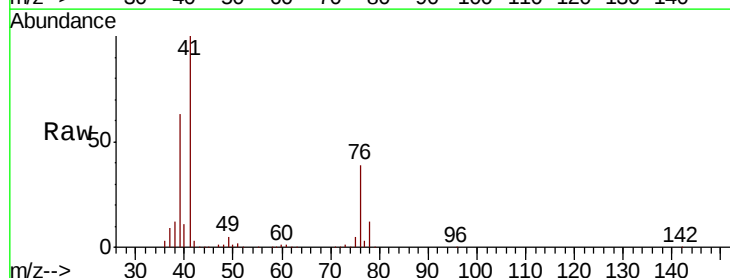
Tgt Ion: 41 Resp: 677568

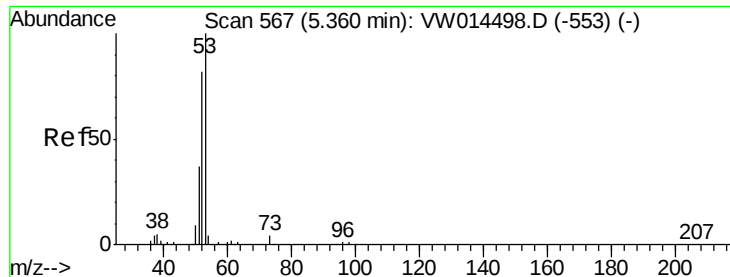
Ion Ratio Lower Upper

41 100

39 61.1 48.5 72.7

76 36.1 28.1 42.1





#15

Acrylonitrile

Concen: 287.029 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

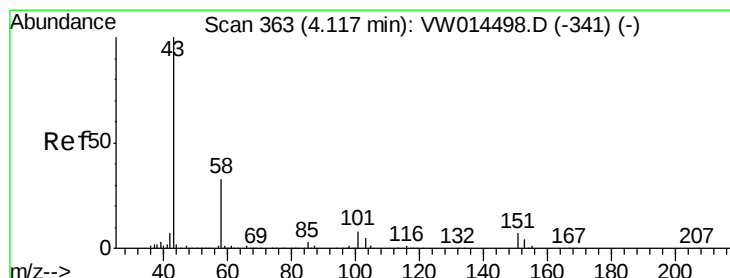
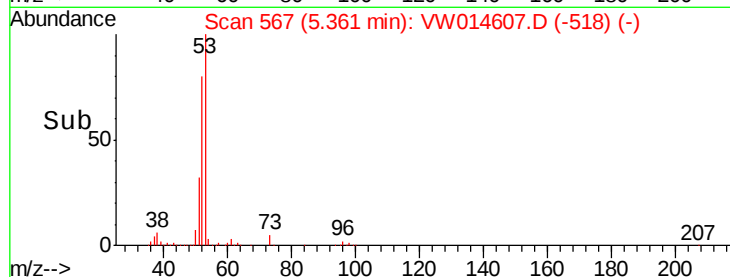
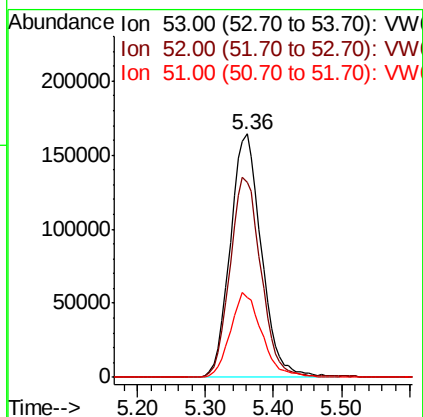
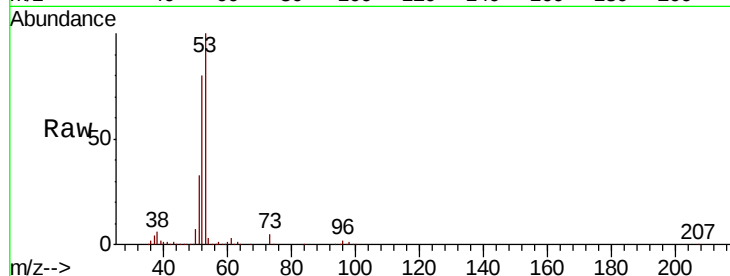
Tot Ion: 53 Resp: 523248

Ion Ratio Lower Upper

53 100

52 81.8 66.5 99.7

51 35.2 28.4 42.6



#16

Acetone

Concen: 306.896 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014607.D

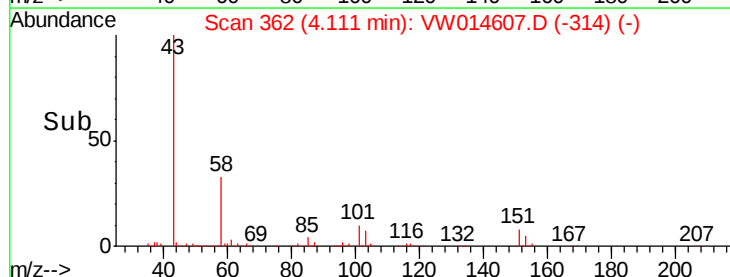
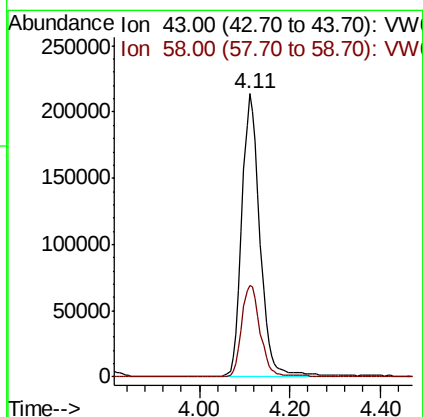
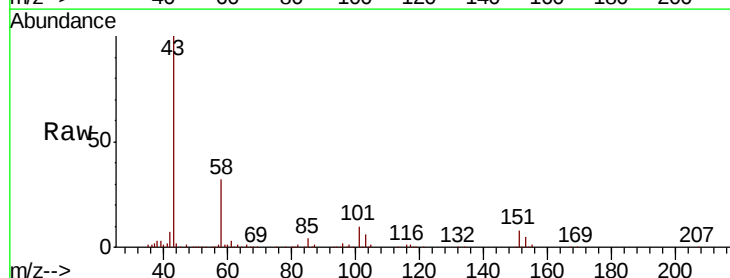
Acq: 10 Jan 2020 18:36

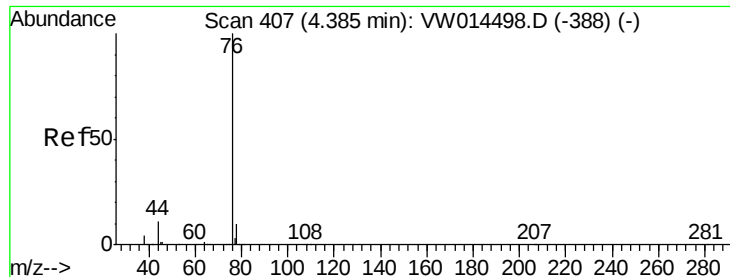
Tgt Ion: 43 Resp: 597130

Ion Ratio Lower Upper

43 100

58 32.2 26.6 39.8

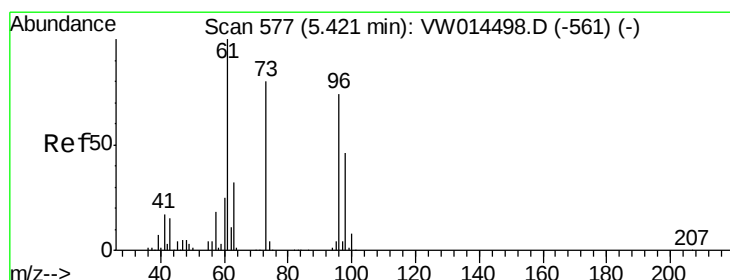
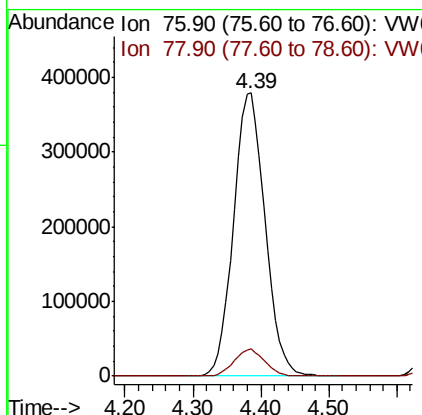
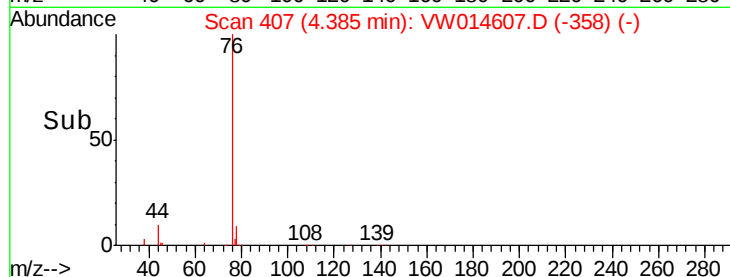
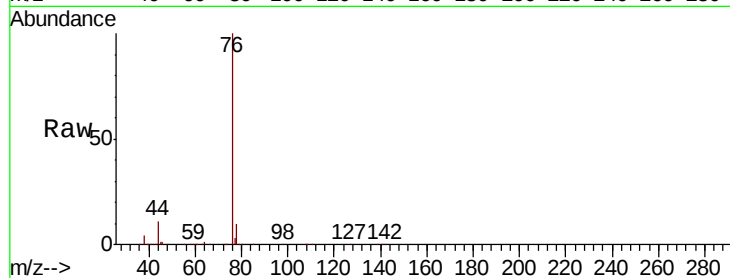




#17
Carbon Disulfide
Concen: 51.681 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

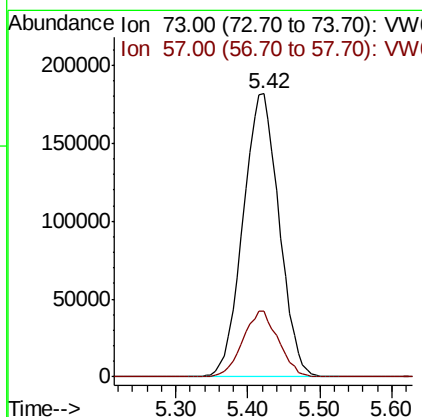
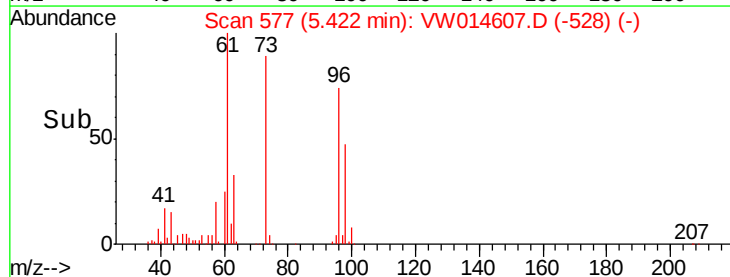
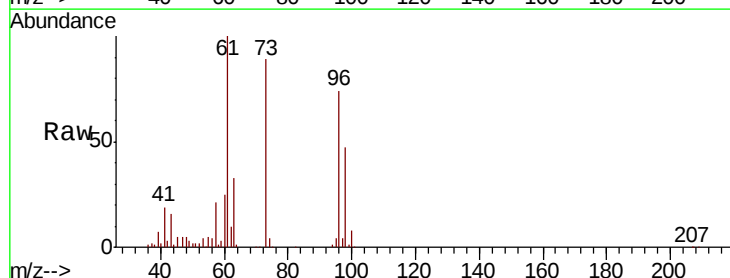
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

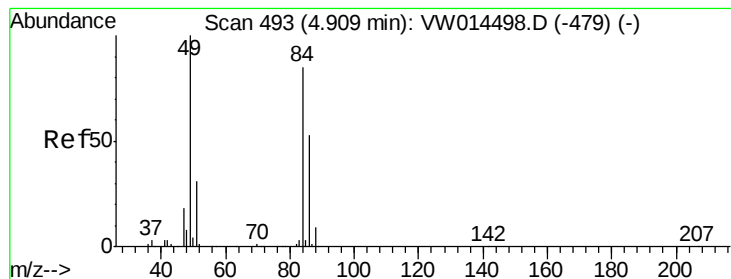
Tot Ion: 76 Resp: 1221685
Ion Ratio Lower Upper
76 100
78 9.5 7.8 11.6



#19
Methyl tert-butyl Ether
Concen: 65.052 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 73 Resp: 633332
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1





#20

Methylene Chloride

Concen: 62.154 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 84 Resp: 480500

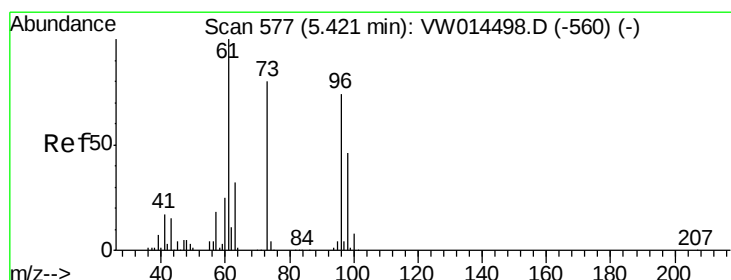
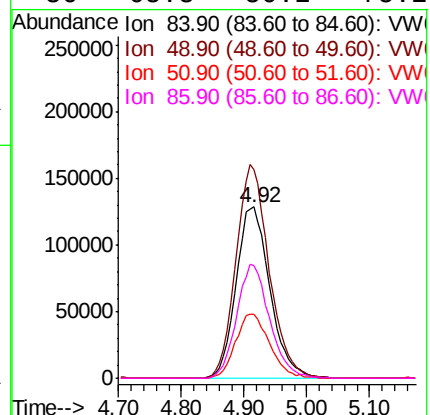
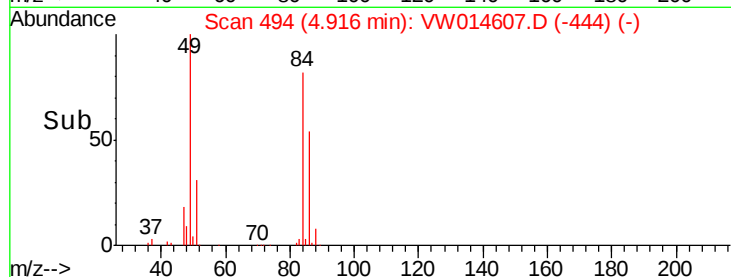
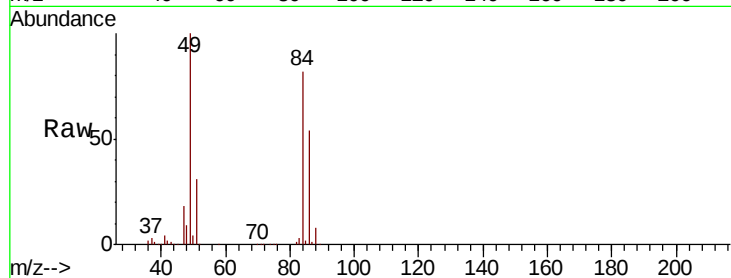
Ion Ratio Lower Upper

84 100

49 122.0 94.4 141.6

51 37.5 29.5 44.3

86 65.8 50.2 75.2



#21

trans-1,2-Dichloroethene

Concen: 56.977 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

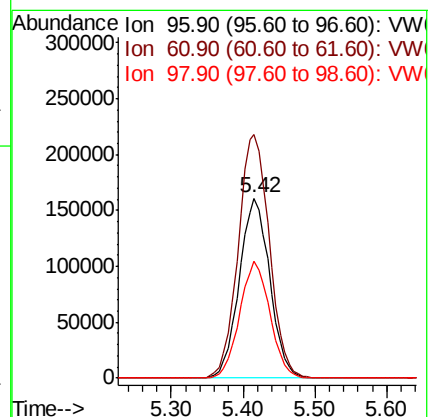
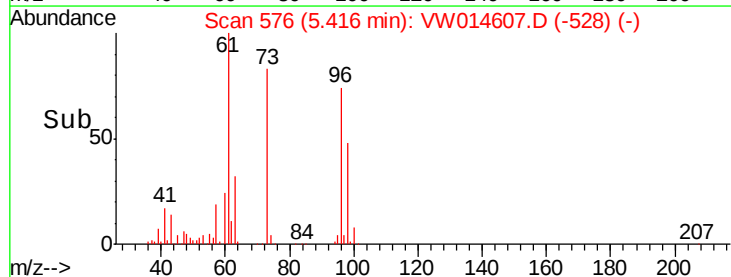
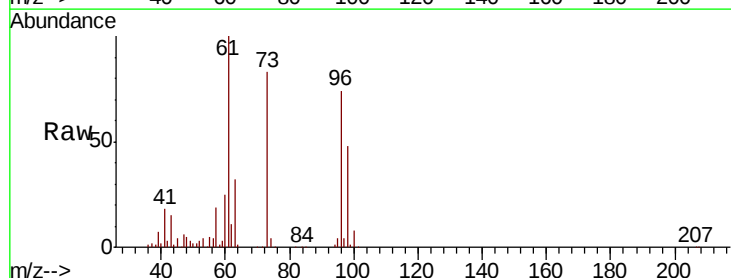
Tgt Ion: 96 Resp: 474500

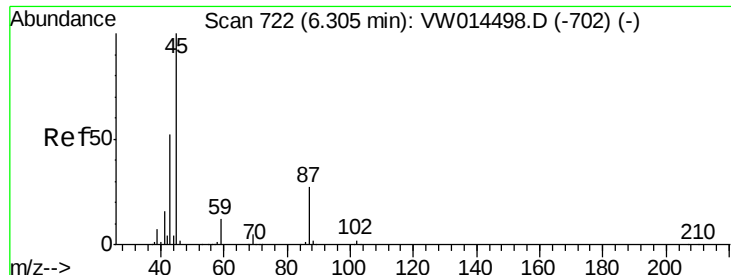
Ion Ratio Lower Upper

96 100

61 135.4 107.8 161.6

98 64.8 49.4 74.0



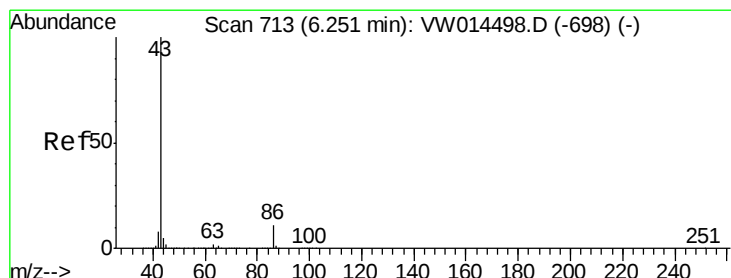
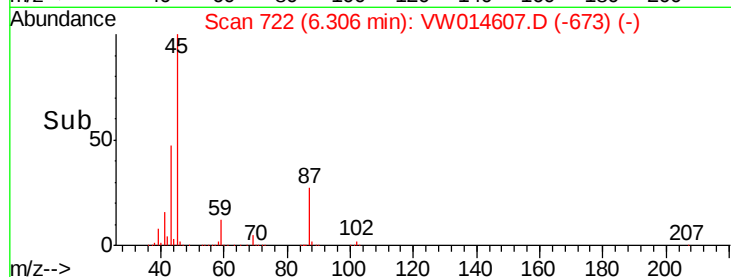
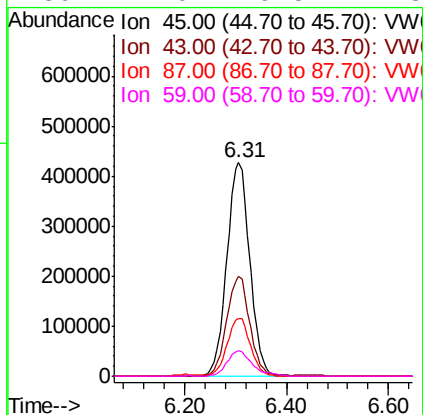
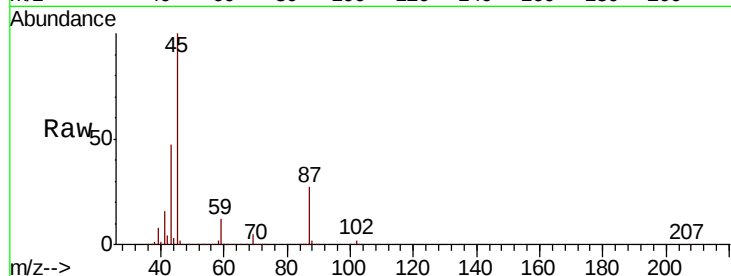


#22
Diisopropyl ether
Concen: 59.381 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion: 45 Resp: 1332121

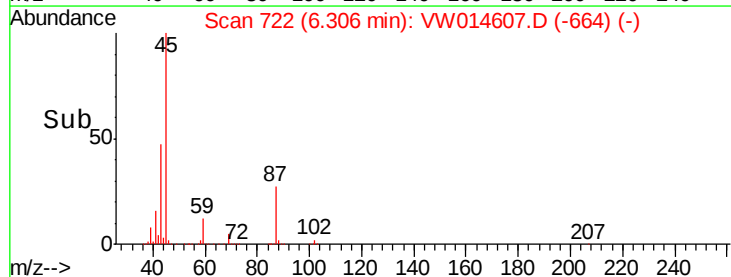
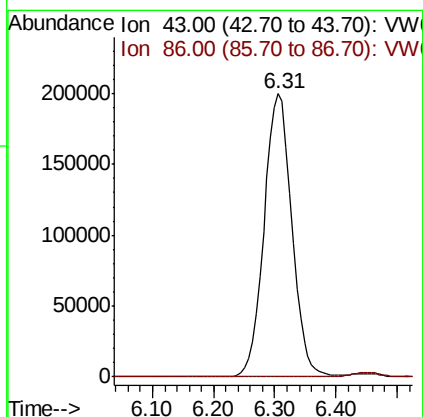
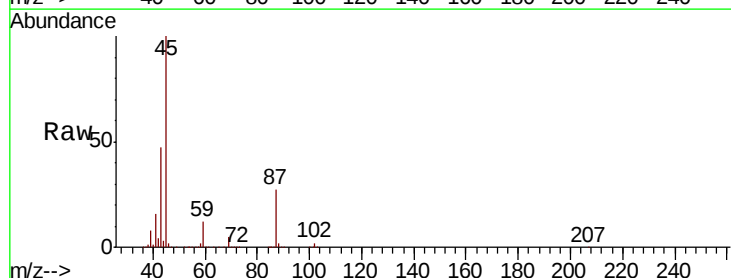
Ion	Ratio	Lower	Upper
45	100		
43	46.7	41.4	62.0
87	26.8	22.2	33.2
59	12.0	9.5	14.3

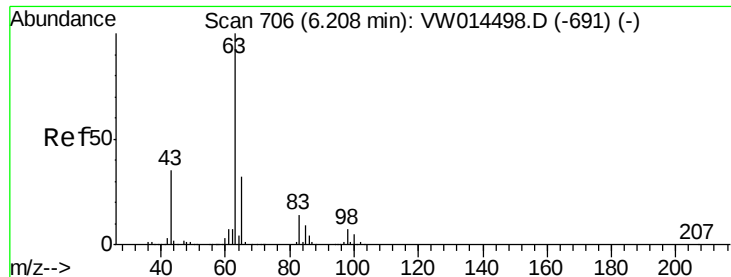


#23
Vinyl Acetate
Concen: 46.346 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.06 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 43 Resp: 627834

Ion	Ratio	Lower	Upper
43	100		
86	0.3	8.8	13.2#





#24

1,1-Dichloroethane

Concen: 58.673 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

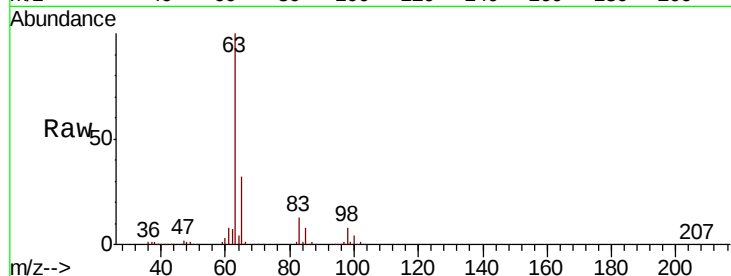
Tot Ion: 63 Resp: 830273

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

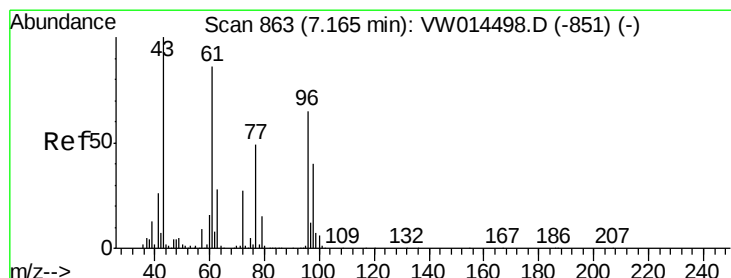
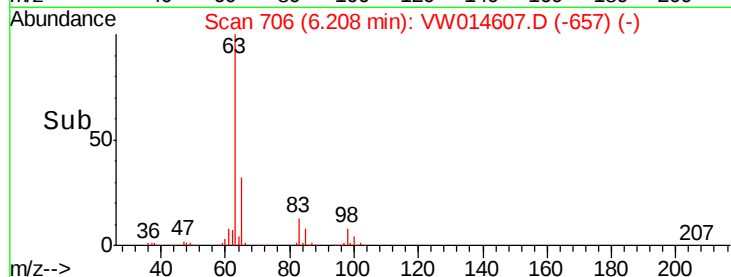
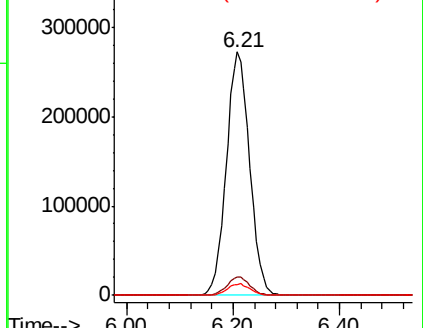
100 4.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 295.966 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014607.D

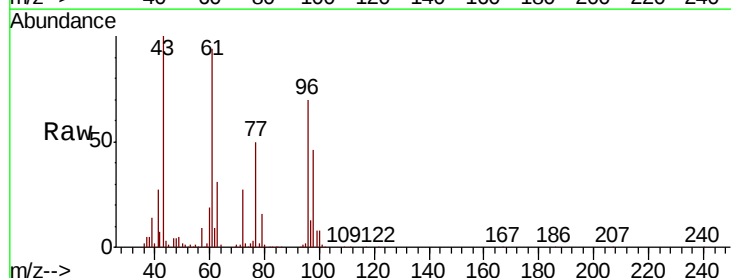
Acq: 10 Jan 2020 18:36

Tgt Ion: 43 Resp: 739020

Ion Ratio Lower Upper

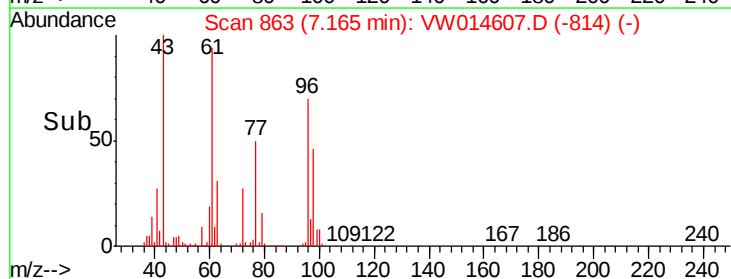
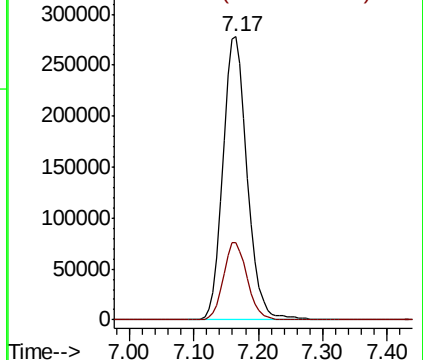
43 100

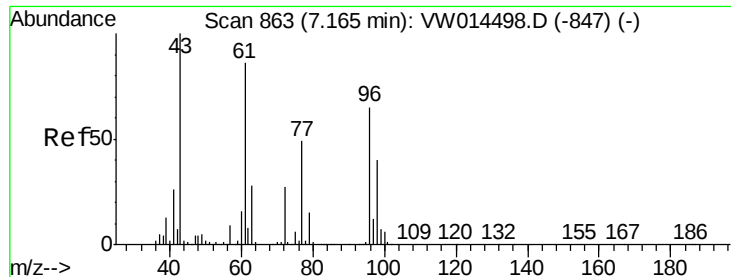
72 27.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 52.709 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

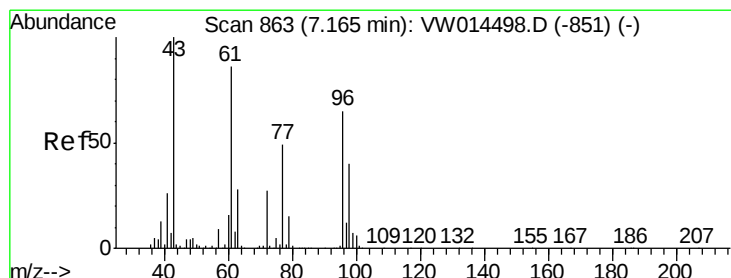
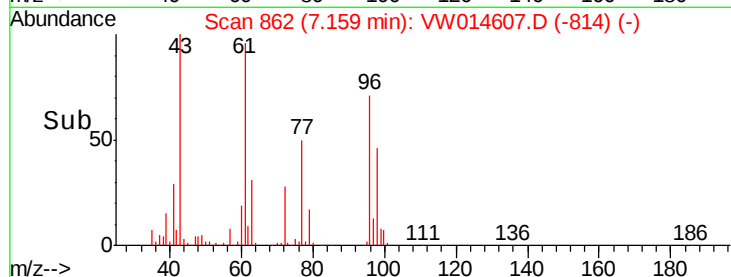
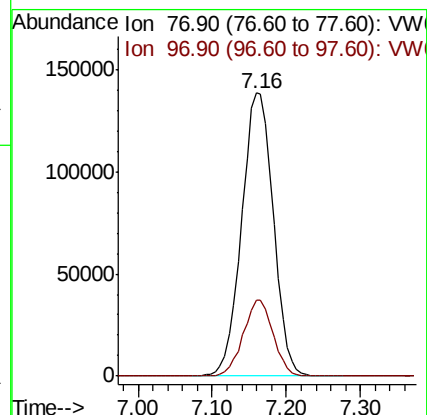
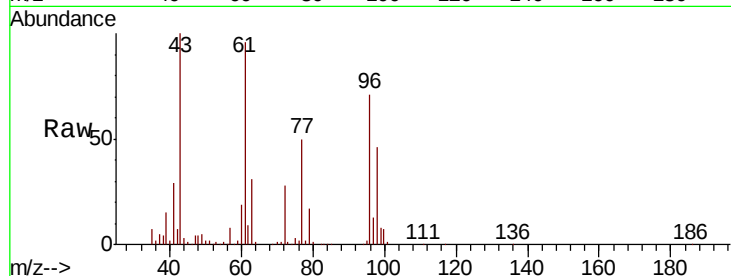
SB-3H-(8.5-10.5)MS

Tot Ion: 77 Resp: 412954

Ion Ratio Lower Upper

77 100

97 25.4 12.5 37.5



#27

cis-1,2-Dichloroethene

Concen: 59.342 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

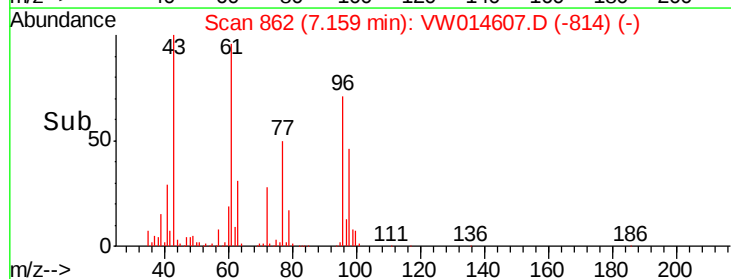
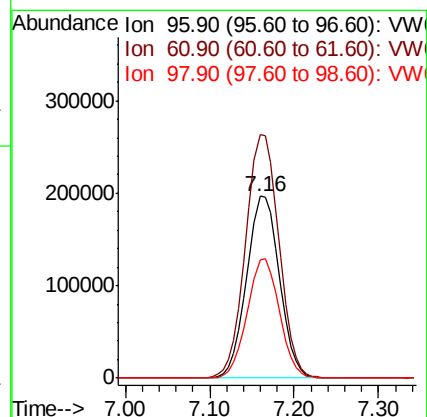
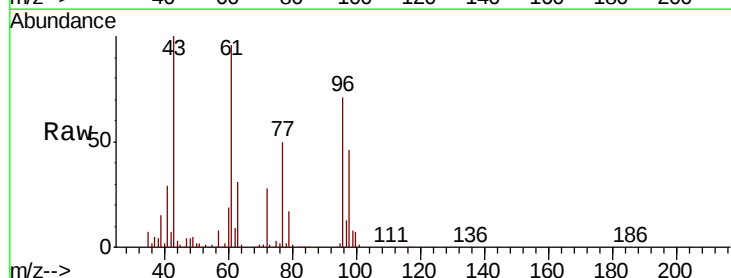
Tgt Ion: 96 Resp: 519283

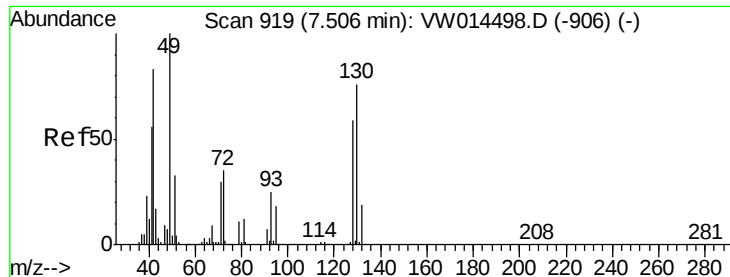
Ion Ratio Lower Upper

96 100

61 136.4 0.0 274.8

98 64.6 0.0 128.6





#28

Bromochloromethane

Concen: 59.710 ug/l

RT: 7.51 min Scan# 919

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

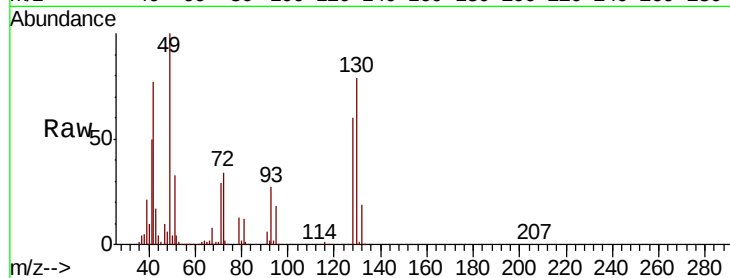
Tot Ion: 49 Resp: 331259

Ion Ratio Lower Upper

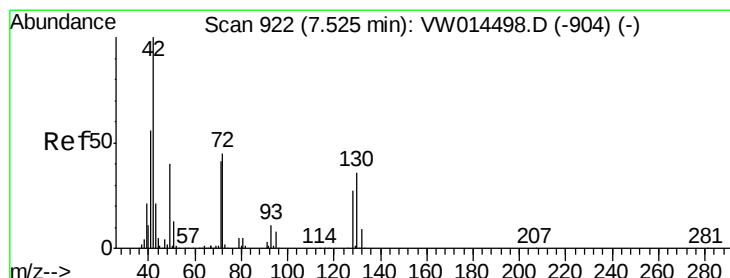
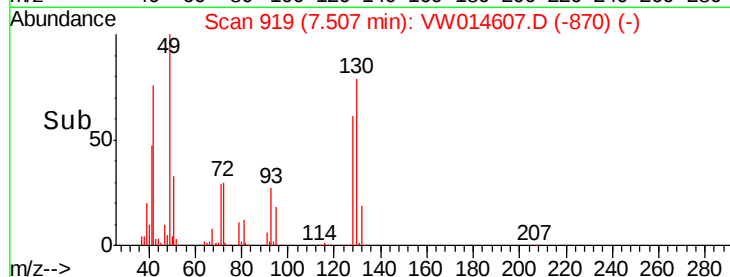
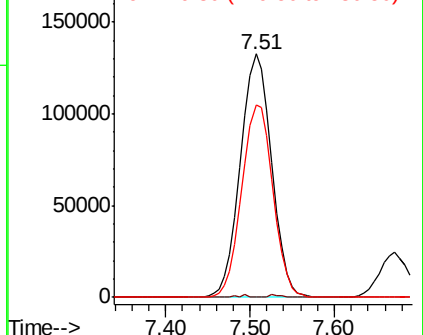
49 100

129 0.4 0.0 2.0

130 79.1 62.5 93.7



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



#29

Tetrahydrofuran

Concen: 281.151 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

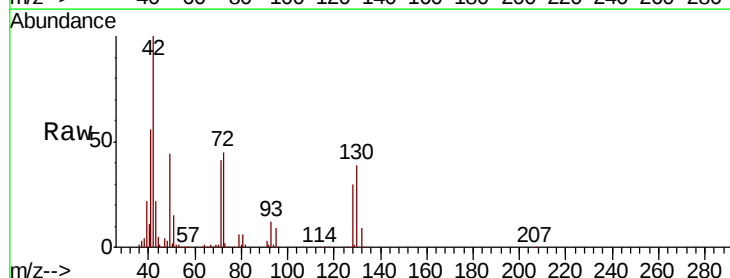
Tgt Ion: 42 Resp: 434910

Ion Ratio Lower Upper

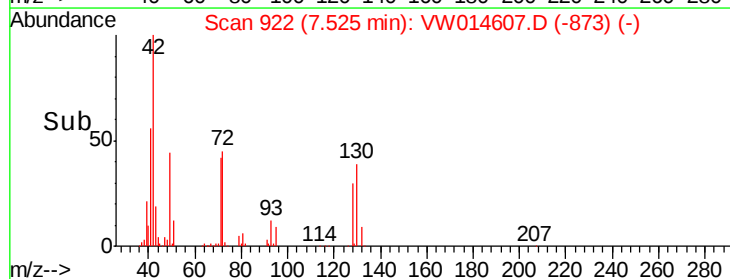
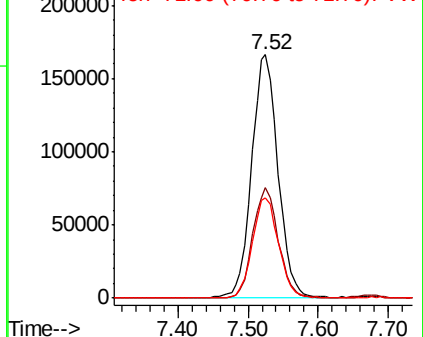
42 100

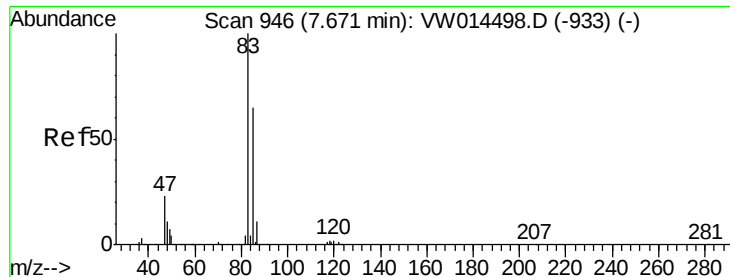
72 43.9 34.5 51.7

71 41.1 32.0 48.0



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

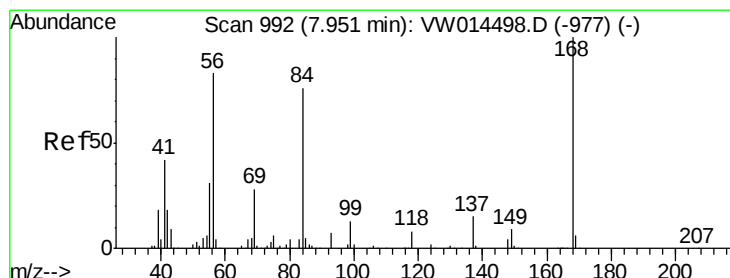
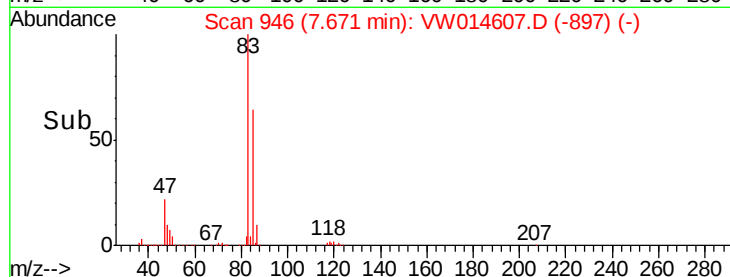
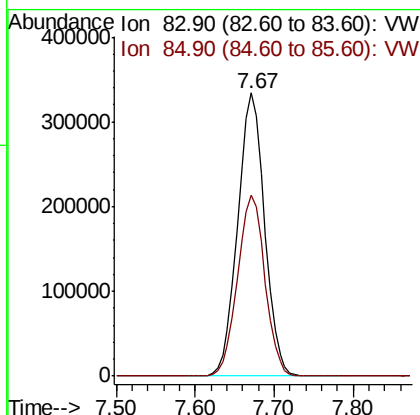
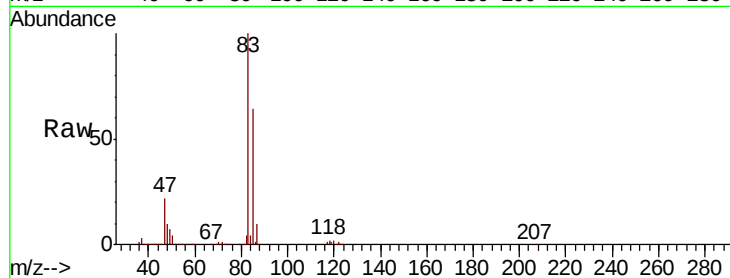




#30
Chloroform
Concen: 59.924 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

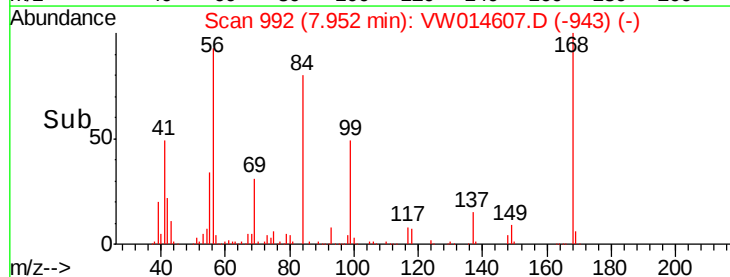
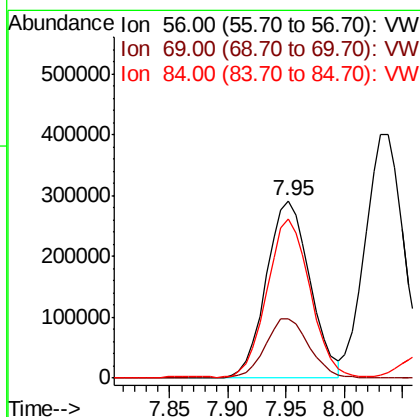
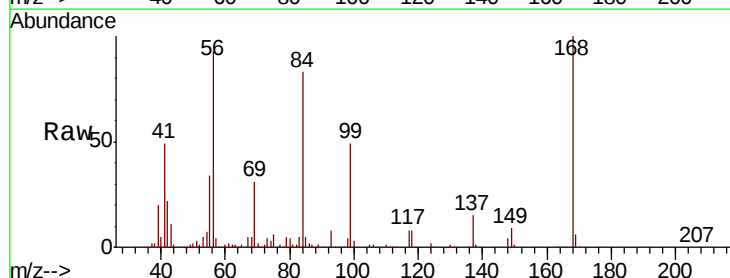
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

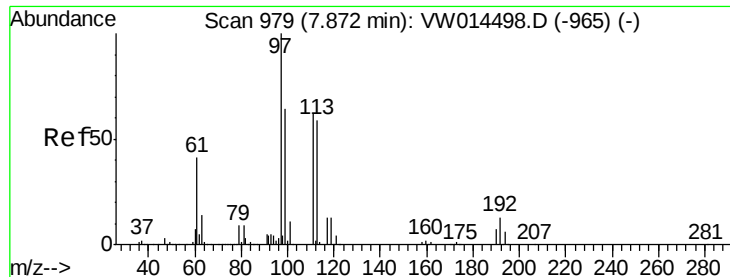
Tot Ion: 83 Resp: 792971
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.2



#31
Cyclohexane
Concen: 51.372 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 56 Resp: 755483
Ion Ratio Lower Upper
56 100
69 33.8 26.8 40.2
84 88.3 71.8 107.6





#32

1,1,1-Trichloroethane

Concen: 57.466 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

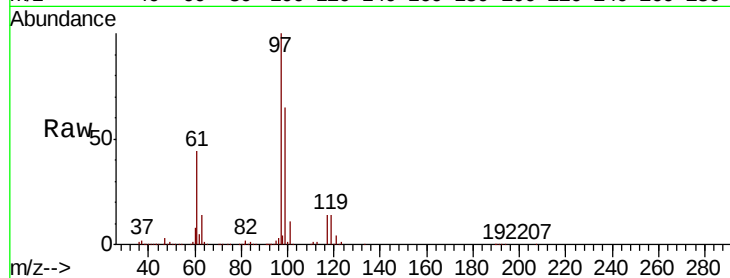
Tot Ion: 97 Resp: 611592

Ion Ratio Lower Upper

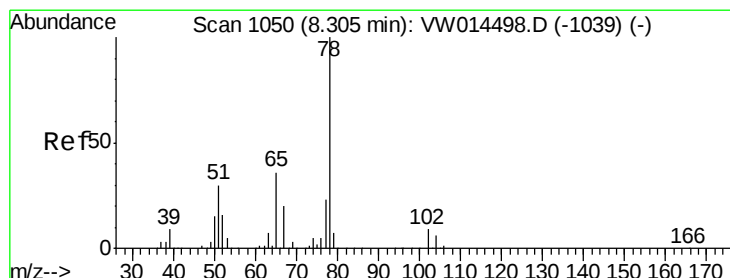
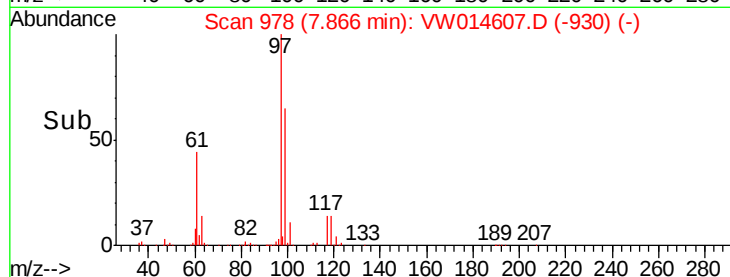
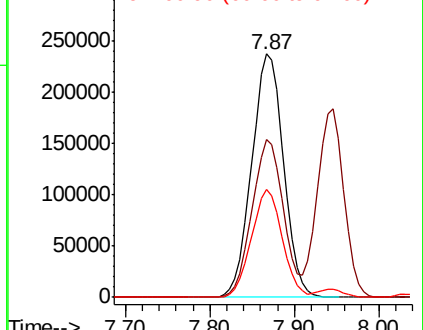
97 100

99 64.6 51.8 77.6

61 43.1 33.8 50.8



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



#33

1,2-Dichloroethane-d4

Concen: 56.989 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014607.D

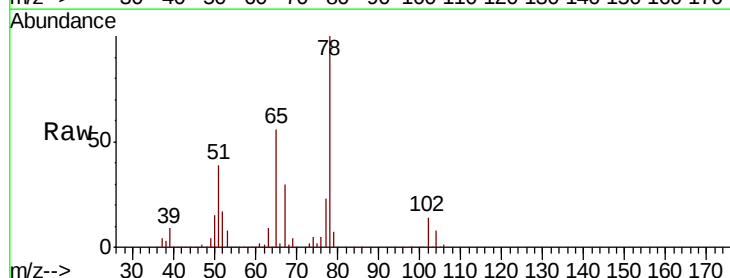
Acq: 10 Jan 2020 18:36

Tgt Ion: 65 Resp: 392693

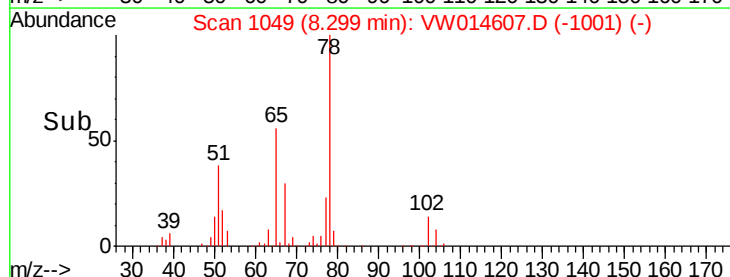
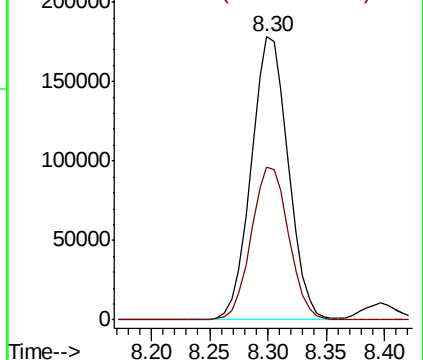
Ion Ratio Lower Upper

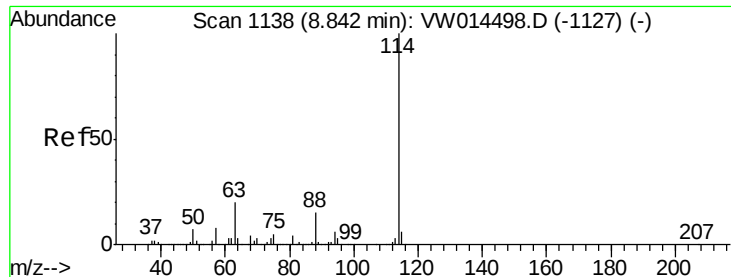
65 100

67 54.9 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

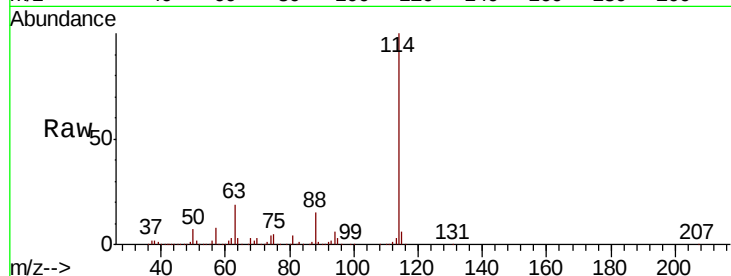
Tot Ion:114 Resp: 1191767

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.4

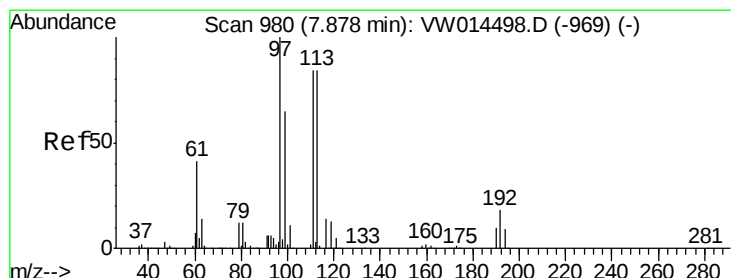
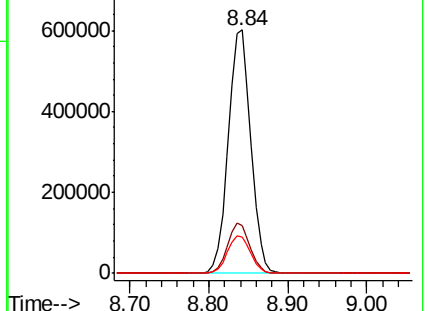
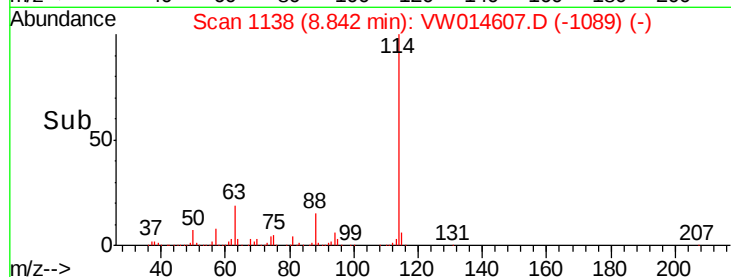
88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 1.534 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

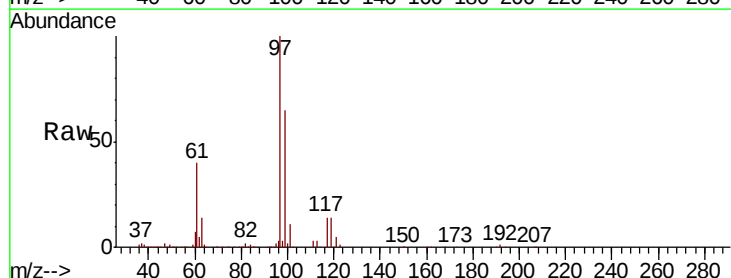
Tgt Ion:113 Resp: 10450

Ion Ratio Lower Upper

113 100

111 99.9 81.4 122.2

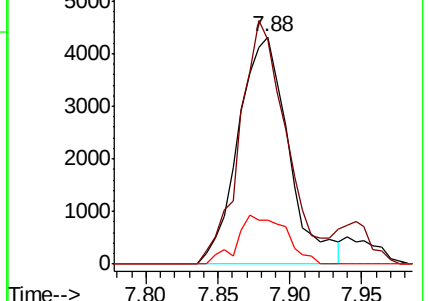
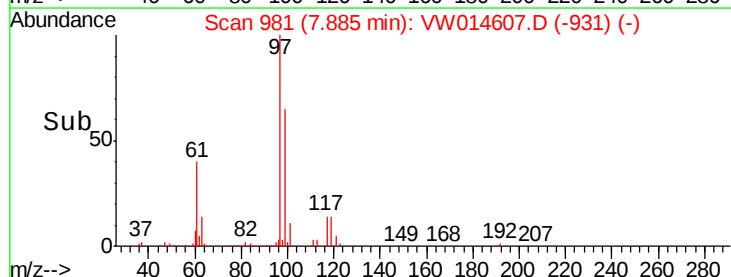
192 20.8 17.8 26.8

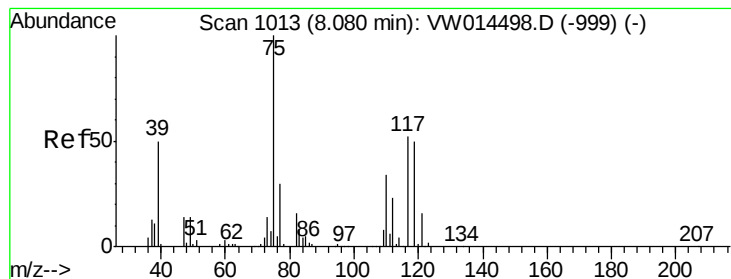


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 55.990 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

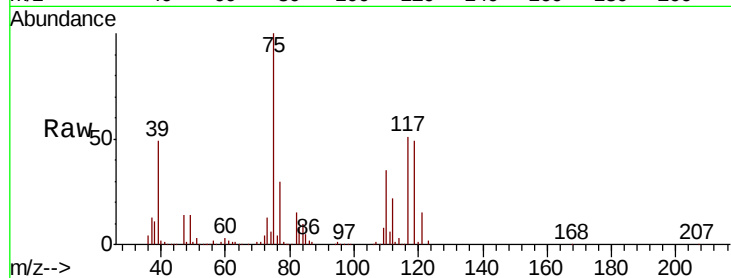
Tot Ion: 75 Resp: 643278

Ion Ratio Lower Upper

75 100

110 35.1 17.8 53.5

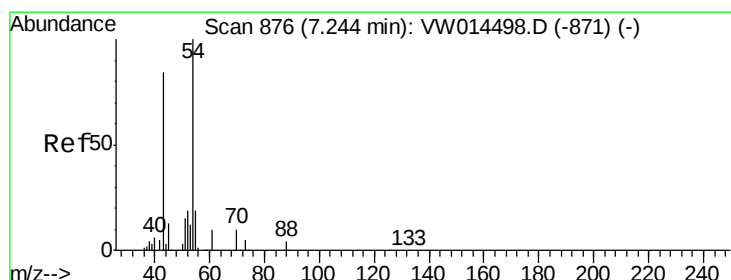
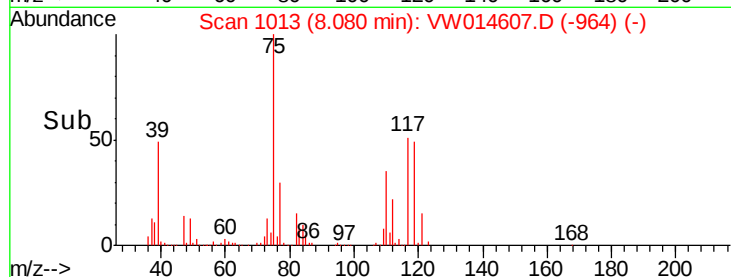
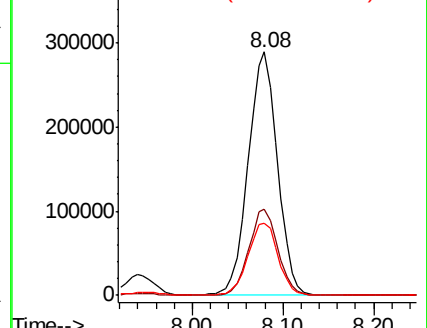
77 30.7 24.7 37.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 141.826 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.08 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

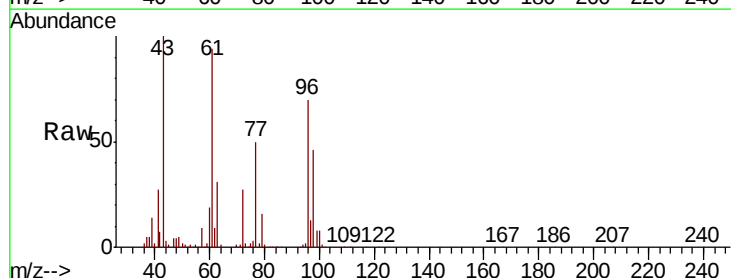
Tgt Ion: 43 Resp: 739020

Ion Ratio Lower Upper

43 100

61 95.8 11.7 17.5#

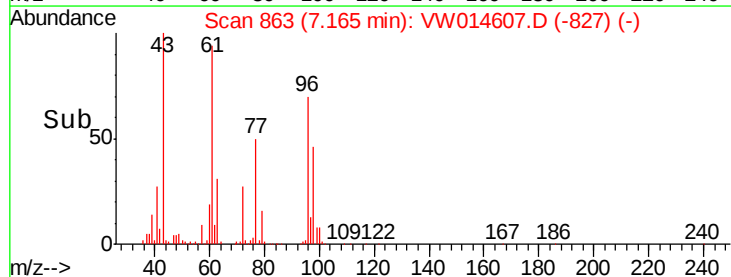
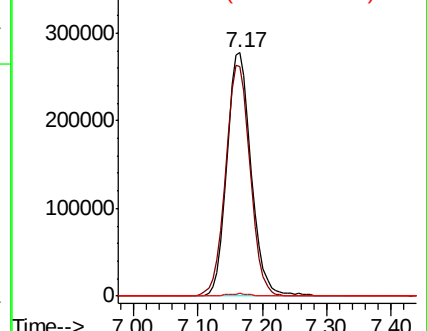
70 1.0 9.0 13.6#

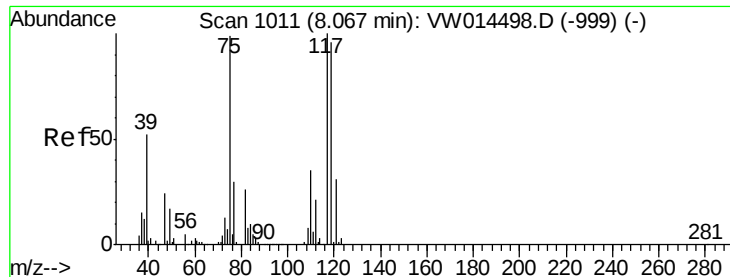


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW





#38

Carbon Tetrachloride

Concen: 55.509 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

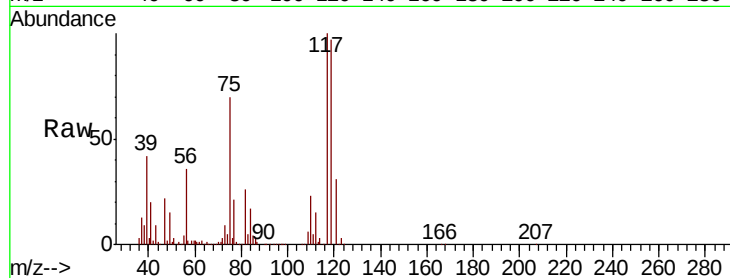
Tot Ion:117 Resp: 553292

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.6

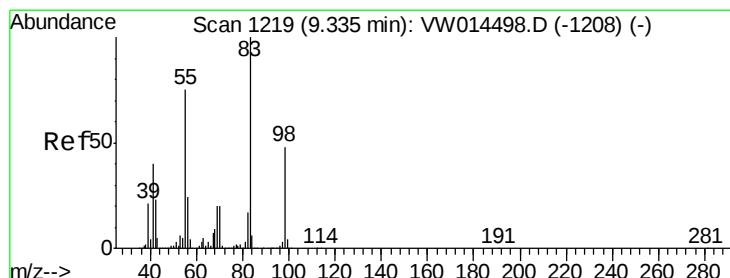
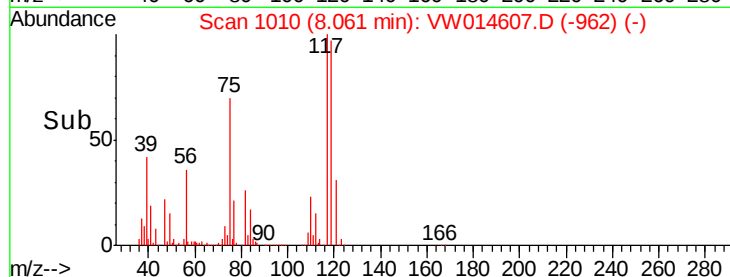
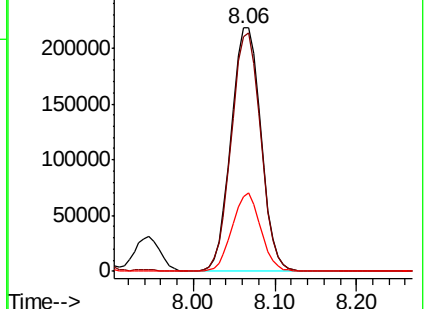
121 30.8 24.6 36.8



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

Methylcyclohexane

Concen: 52.519 ug/l

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

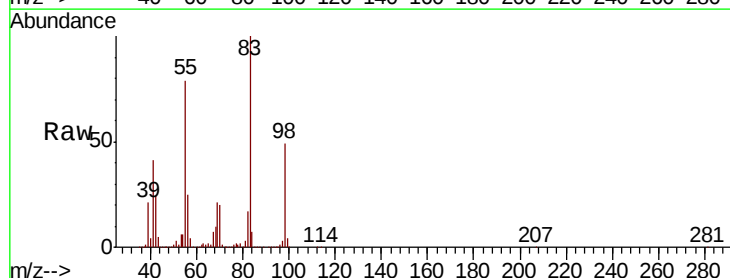
Tgt Ion: 83 Resp: 774341

Ion Ratio Lower Upper

83 100

55 79.2 60.1 90.1

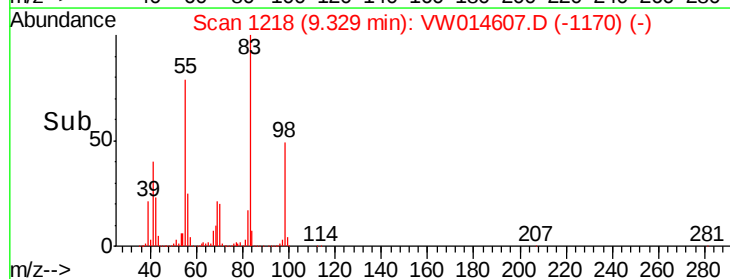
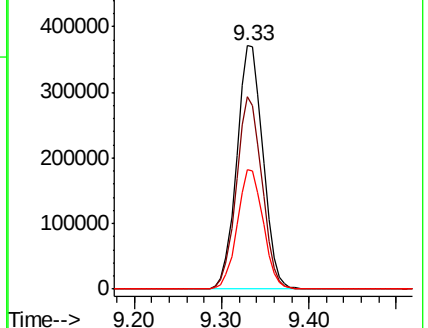
98 49.2 38.8 58.2

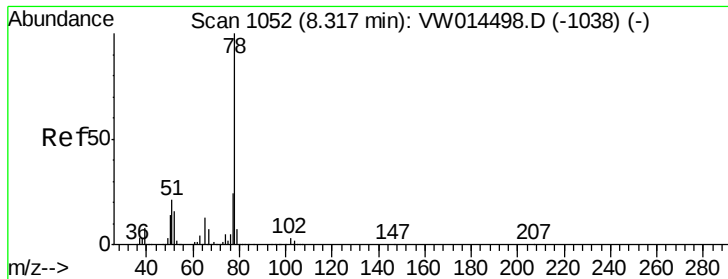


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

Benzene

Concen: 58.210 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

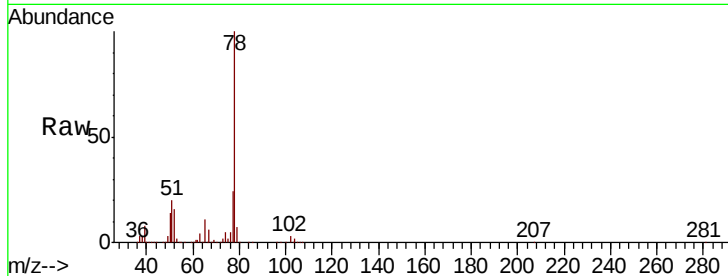
SB-3H-(8.5-10.5)MS

Tot Ion: 78 Resp: 1892230

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW

8.32

800000

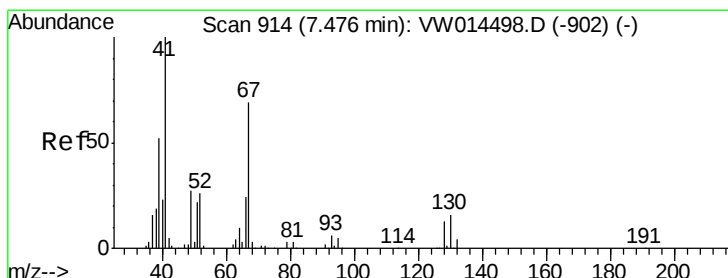
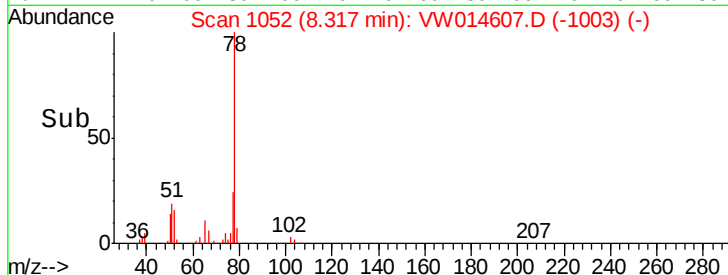
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 56.610 ug/l

RT: 7.48 min Scan# 914

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Tgt Ion: 41 Resp: 164432

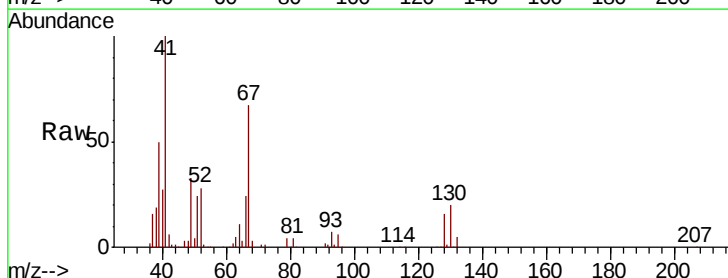
Ion Ratio Lower Upper

41 100

39 56.6 46.0 69.0

67 76.2 60.8 91.2

52 30.1 23.7 35.5



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

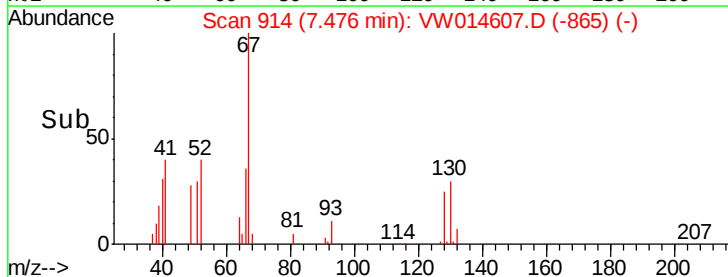
100000

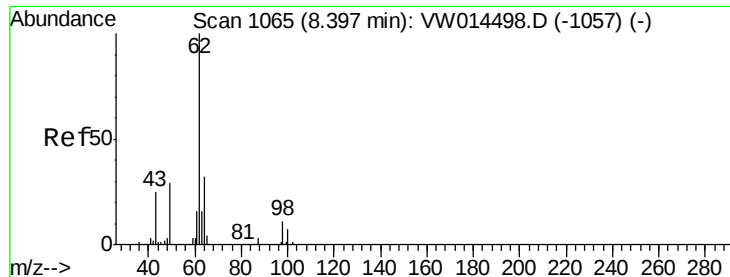
50000

7.48

0

Time-->





#42

1,2-Dichloroethane

Concen: 58.201 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

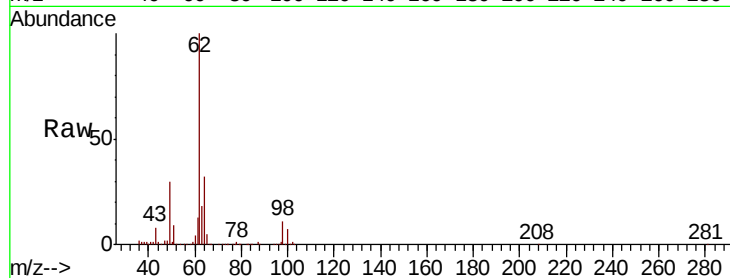
SB-3H-(8.5-10.5)MS

Tot Ion: 62 Resp: 490978

Ion Ratio Lower Upper

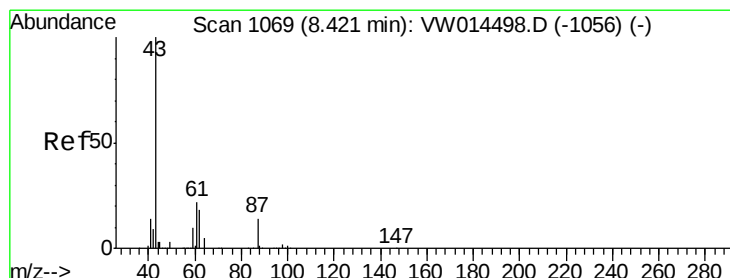
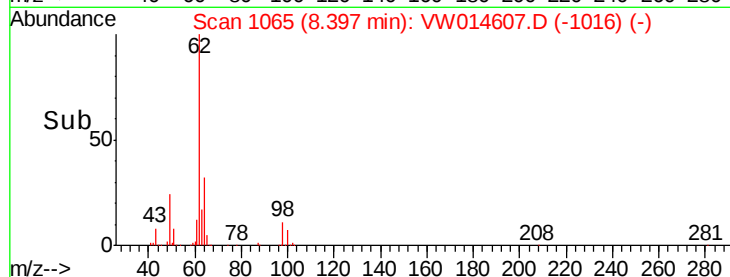
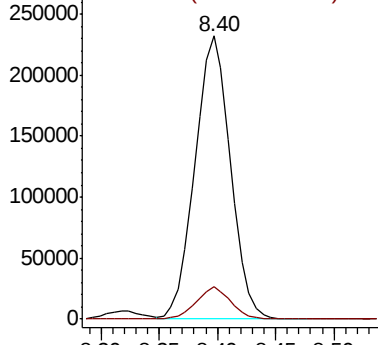
62 100

98 11.1 0.0 22.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



#43

Isopropyl Acetate

Concen: 19.264 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

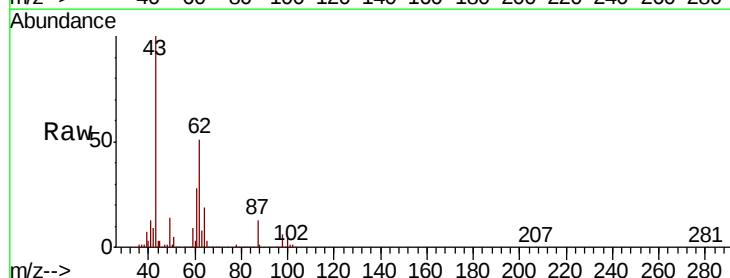
Tgt Ion: 43 Resp: 182280

Ion Ratio Lower Upper

43 100

61 51.7 24.7 37.1#

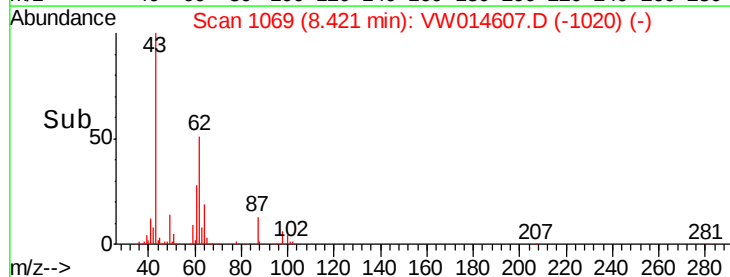
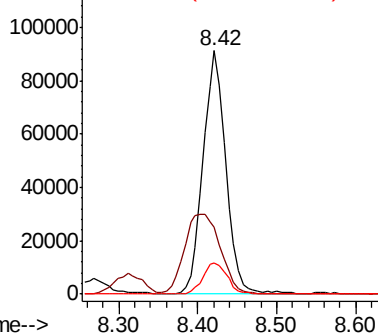
87 13.9 11.1 16.7

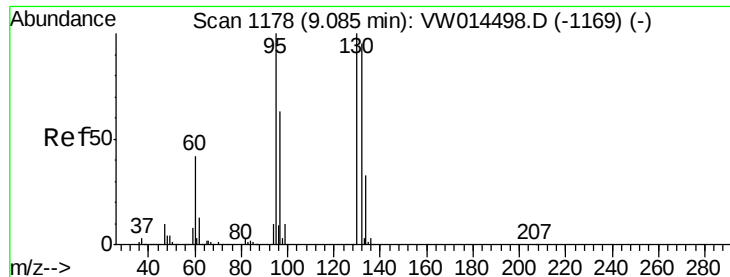


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW





#44

Trichloroethene

Concen: 104.829 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

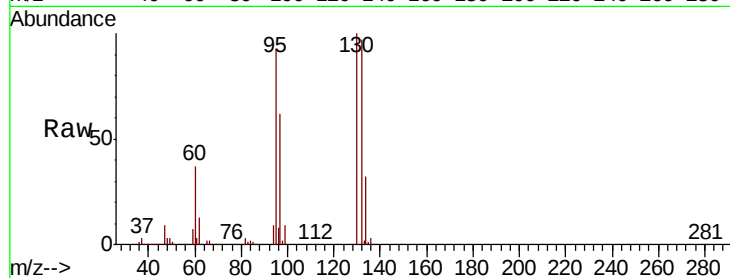
SB-3H-(8.5-10.5)MS

Tot Ion:130 Resp: 922089

Ion Ratio Lower Upper

130 100

95 93.3 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

500000

400000

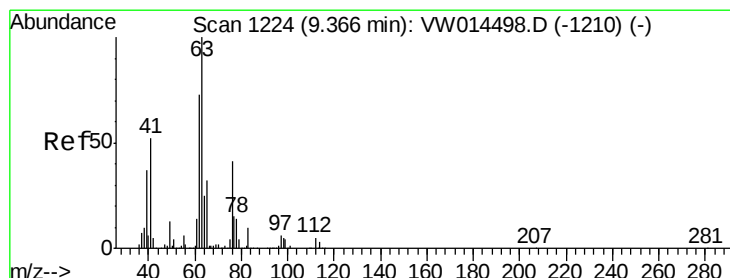
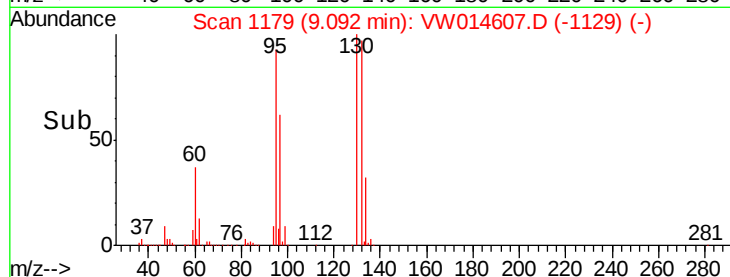
300000

200000

100000

0

Time-->



#45

1,2-Dichloropropane

Concen: 59.433 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014607.D

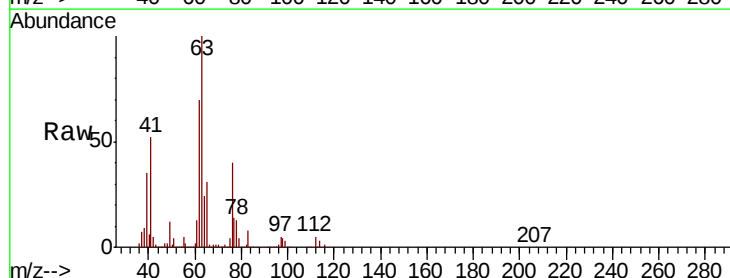
Acq: 10 Jan 2020 18:36

Tgt Ion: 63 Resp: 474093

Ion Ratio Lower Upper

63 100

65 31.0 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

250000

200000

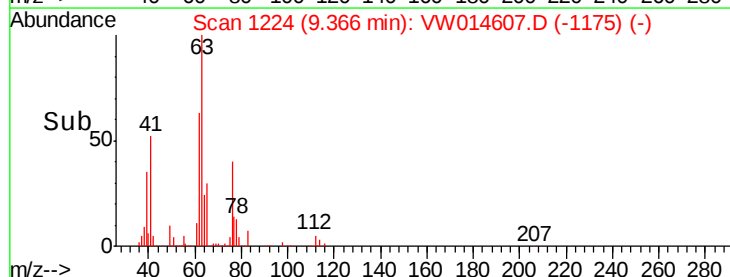
150000

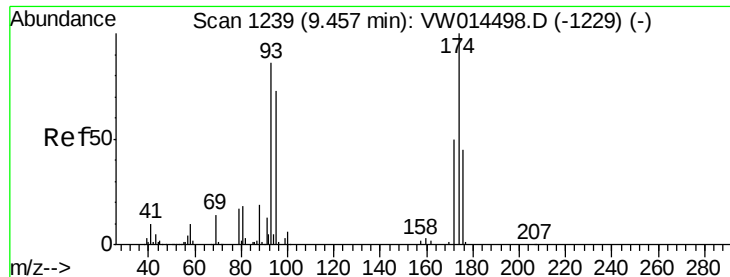
100000

50000

0

Time-->





#46

Dibromomethane

Concen: 58.851 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

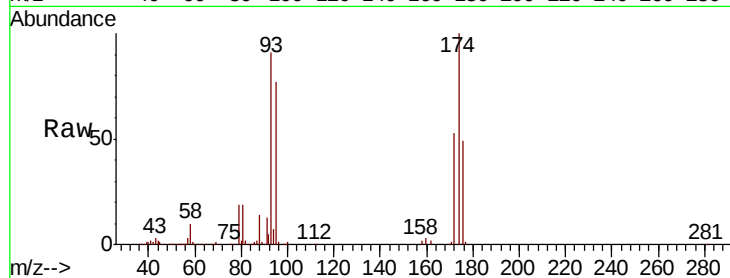
Tot Ion: 93 Resp: 231753

Ion Ratio Lower Upper

93 100

95 83.4 66.4 99.6

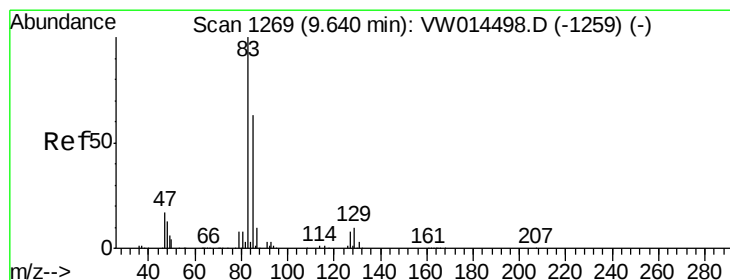
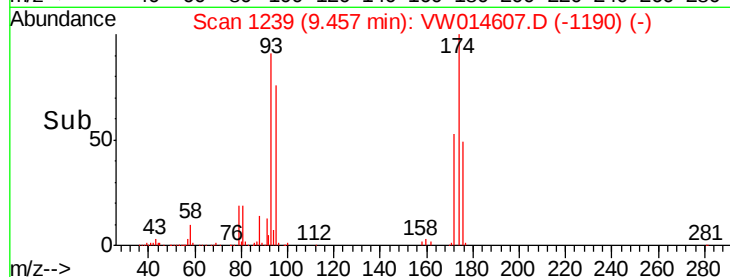
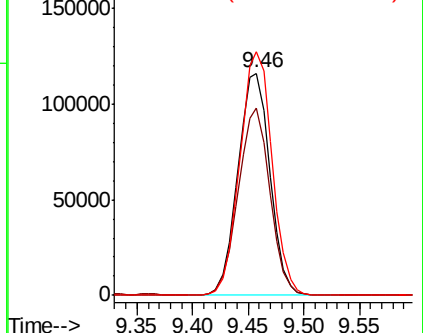
174 111.0 89.1 133.7



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 58.558 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

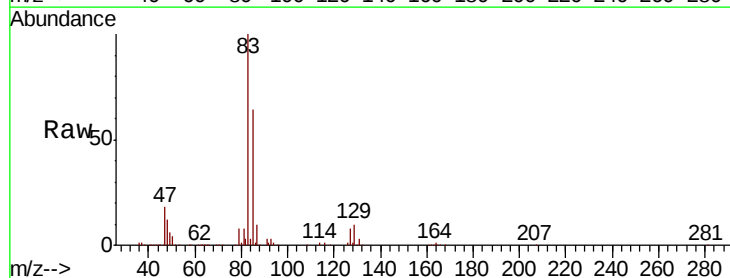
Tgt Ion: 83 Resp: 569314

Ion Ratio Lower Upper

83 100

85 64.1 50.6 76.0

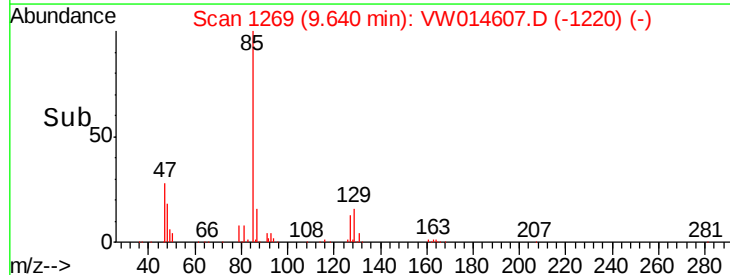
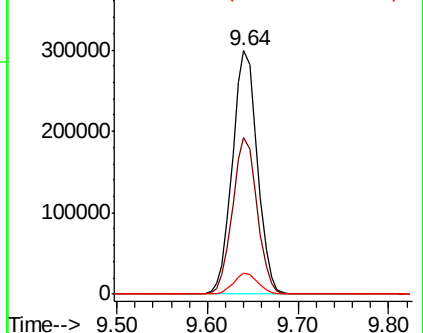
127 8.4 6.6 9.8

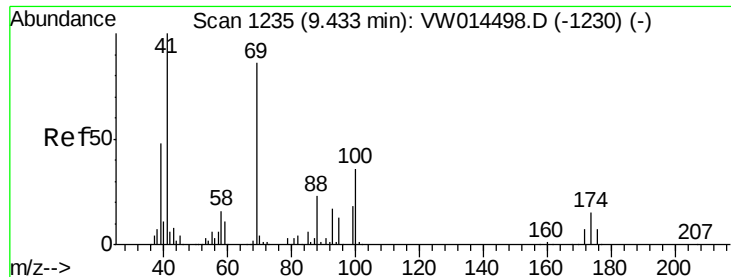


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

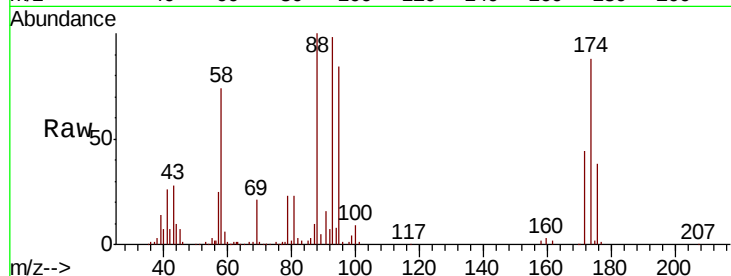




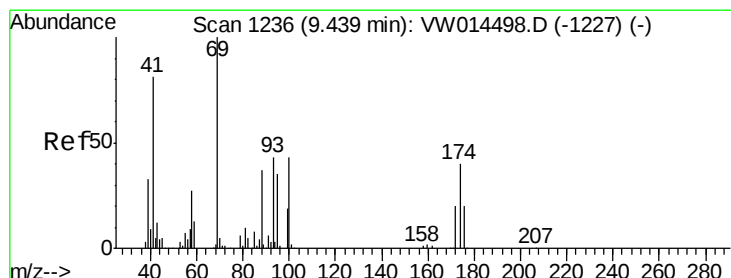
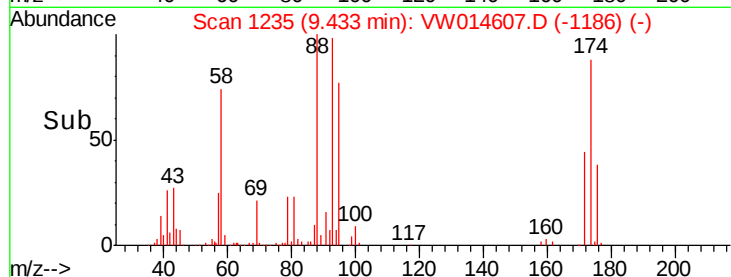
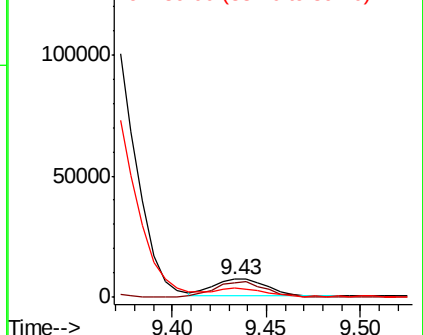
#48
Methvl methacrylate
Concen: 2.982 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

Tot Ion: 41 Resp: 13776
Ion Ratio Lower Upper
41 100
69 88.6 68.3 102.5
39 38.8 36.8 55.2

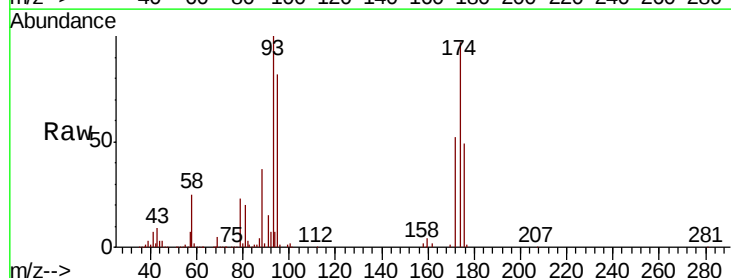


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW

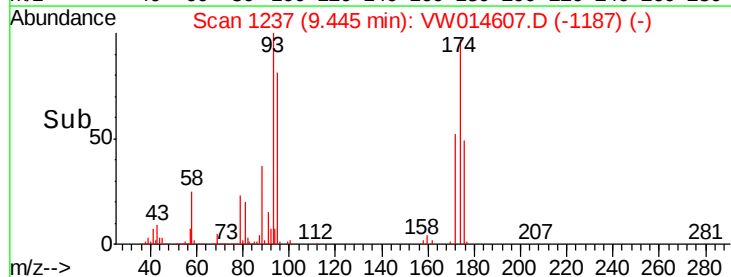
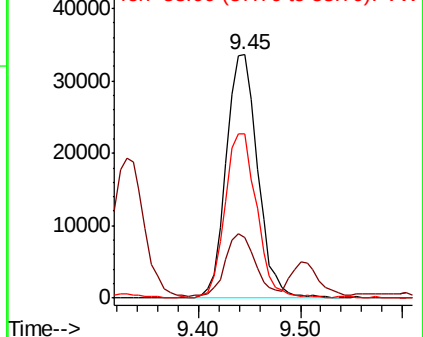


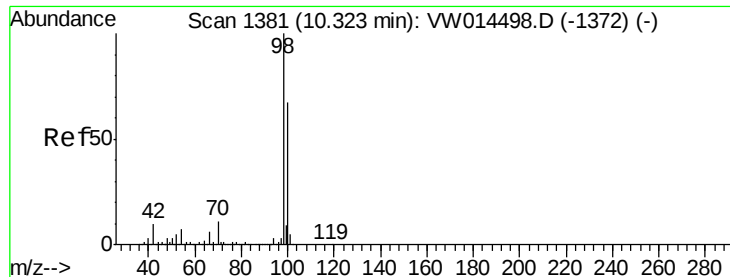
#49
1,4-Dioxane
Concen: 975.897 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.01 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 88 Resp: 71878
Ion Ratio Lower Upper
88 100
43 24.3 24.9 37.3#
58 67.9 56.9 85.3



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: 56.428 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

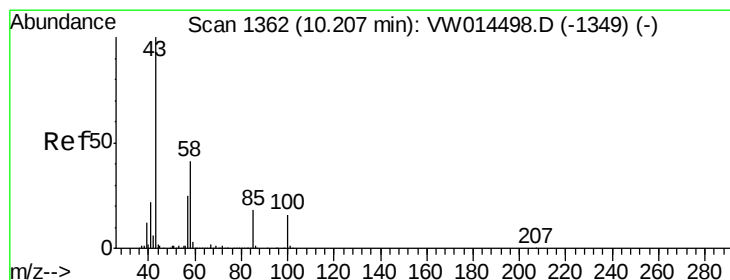
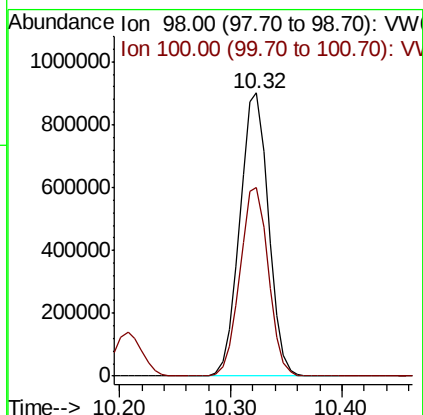
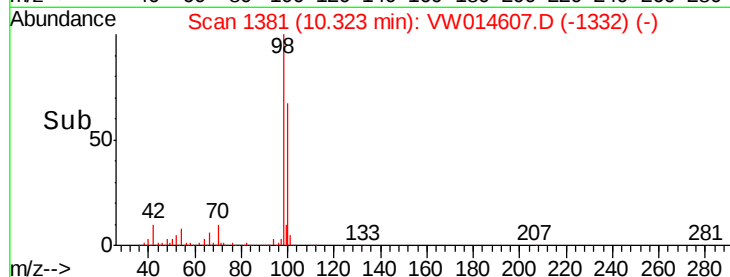
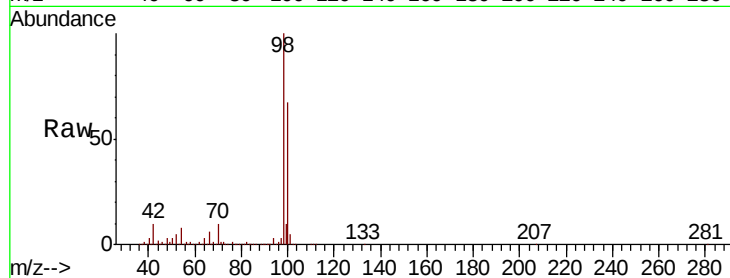
SB-3H-(8.5-10.5)MS

Tot Ion: 98 Resp: 1603938

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#51

4-Methyl-2-Pentanone

Concen: 294.209 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014607.D

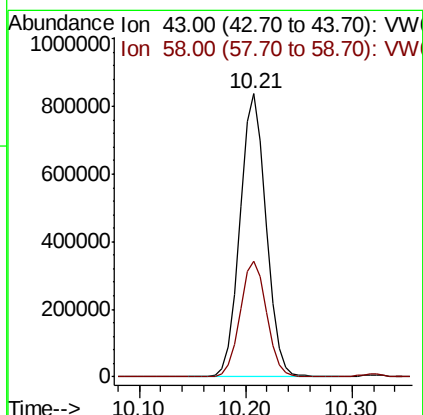
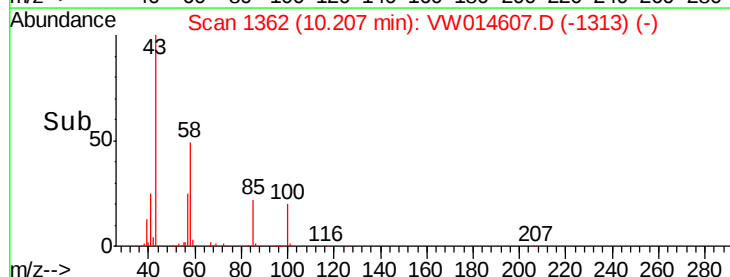
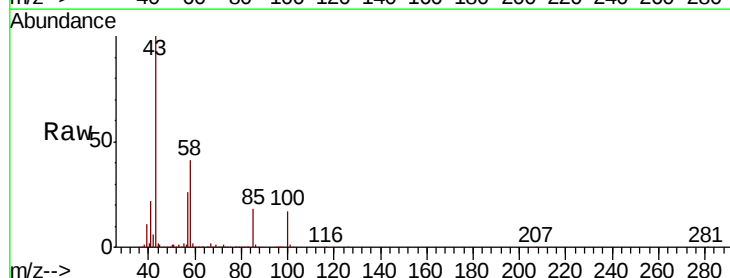
Acq: 10 Jan 2020 18:36

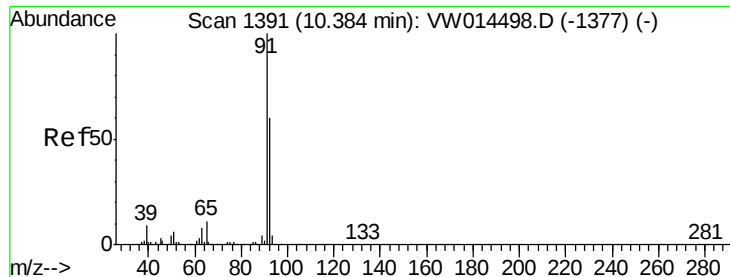
Tgt Ion: 43 Resp: 1445649

Ion Ratio Lower Upper

43 100

58 41.5 32.7 49.1





#52

Toluene

Concen: 58.428 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

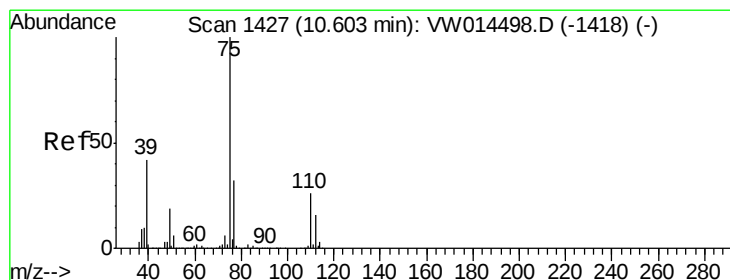
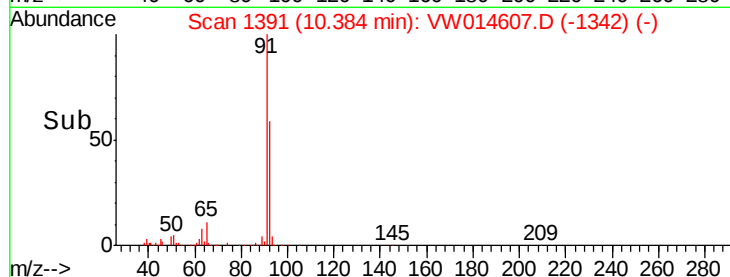
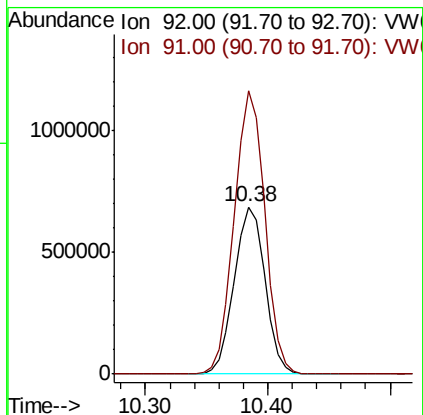
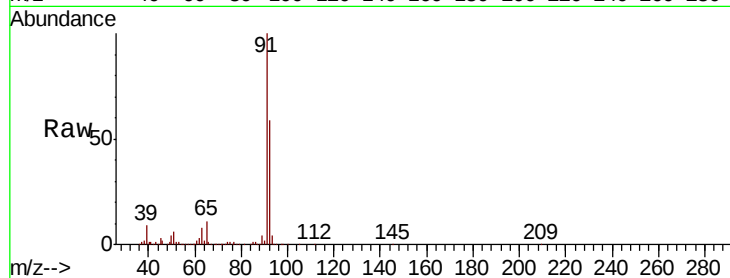
SB-3H-(8.5-10.5)MS

Tot Ion: 92 Resp: 1194878

Ion Ratio Lower Upper

92 100

91 168.7 134.1 201.1



#53

t-1,3-Dichloropropene

Concen: 58.941 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014607.D

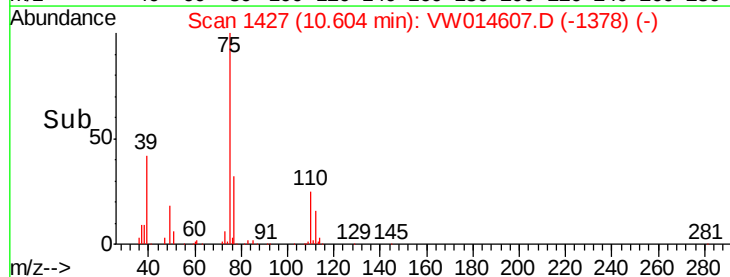
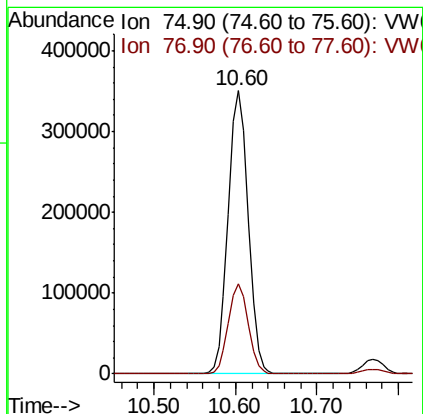
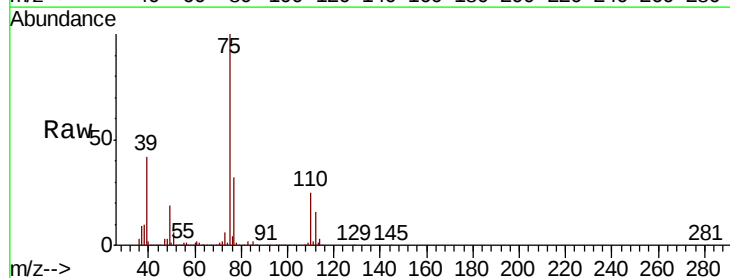
Acq: 10 Jan 2020 18:36

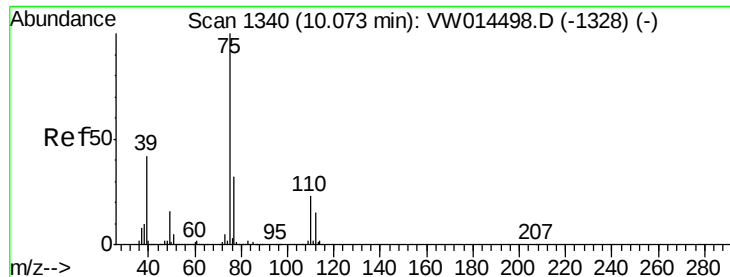
Tgt Ion: 75 Resp: 593318

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 58.238 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

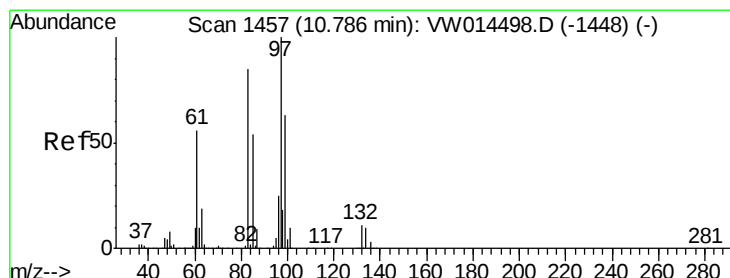
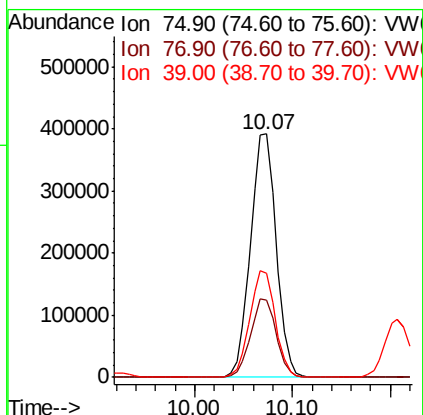
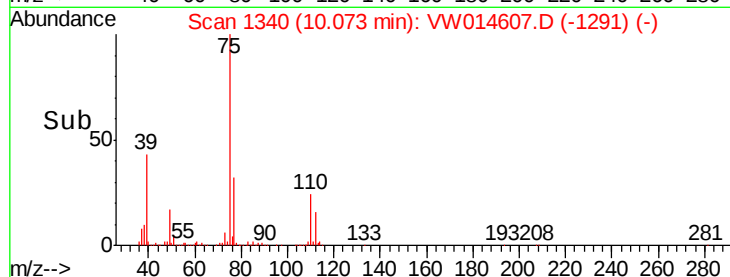
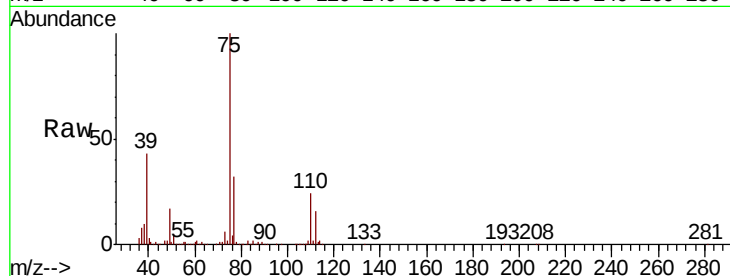
Tot Ion: 75 Resp: 716485

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 42.6 33.4 50.2



#55

1,1,2-Trichloroethane

Concen: 52.354 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Tgt Ion: 97 Resp: 301105

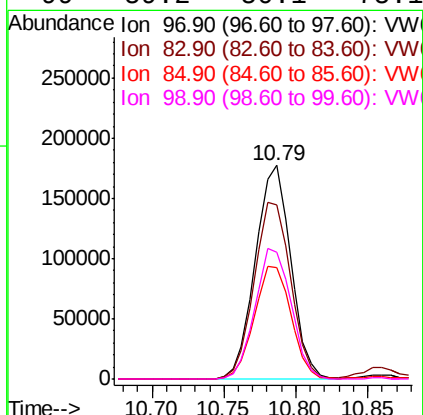
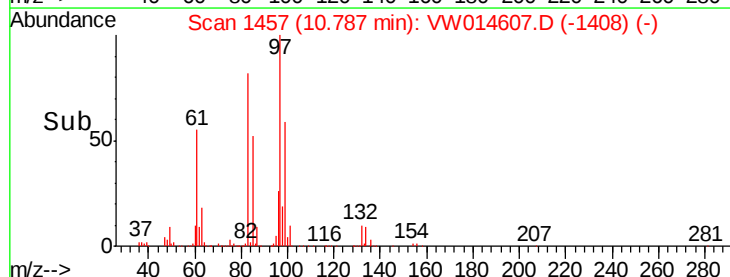
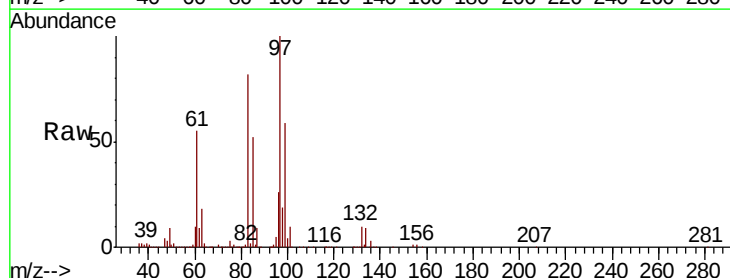
Ion Ratio Lower Upper

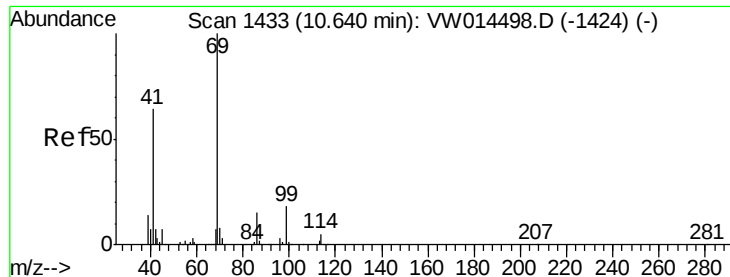
97 100

83 81.8 68.2 102.4

85 52.2 43.0 64.4

99 59.2 50.1 75.1





#56

Ethyl methacrylate

Concen: 15.095 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

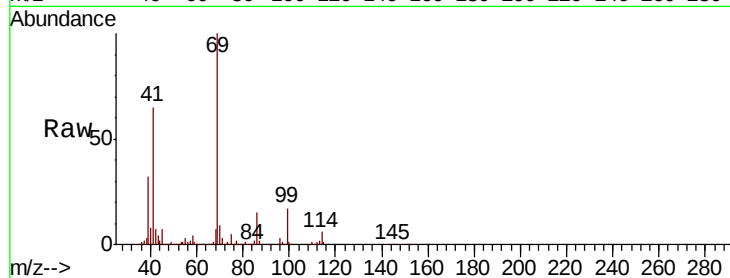
Tot Ion: 69 Resp: 112826

Ion Ratio Lower Upper

69 100

41 65.2 51.3 76.9

39 0.0 21.0 31.6#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

200000

150000

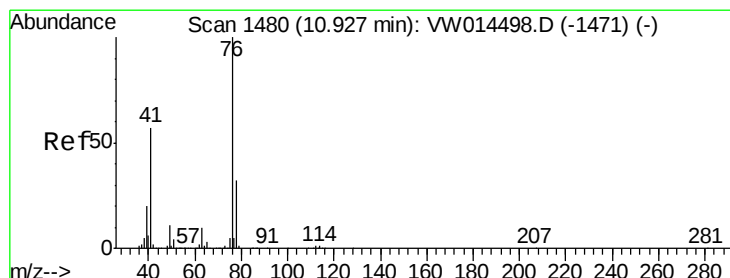
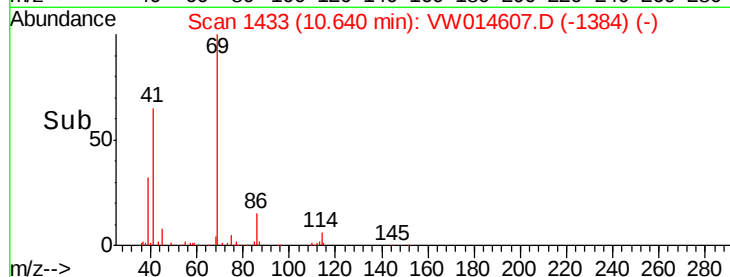
100000

50000

0

10.60 10.64 10.70

Time-->



#57

1,3-Dichloropropane

Concen: 59.476 ug/l

RT: 10.93 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW014607.D

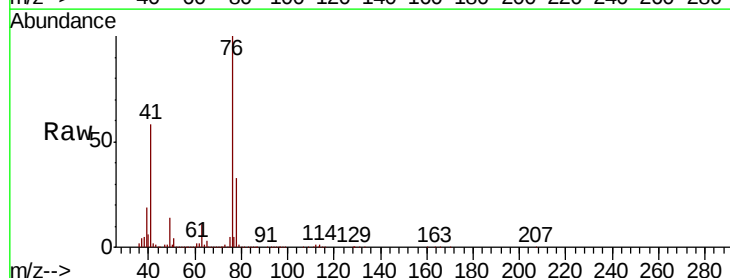
Acq: 10 Jan 2020 18:36

Tgt Ion: 76 Resp: 601187

Ion Ratio Lower Upper

76 100

78 32.8 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

400000

300000

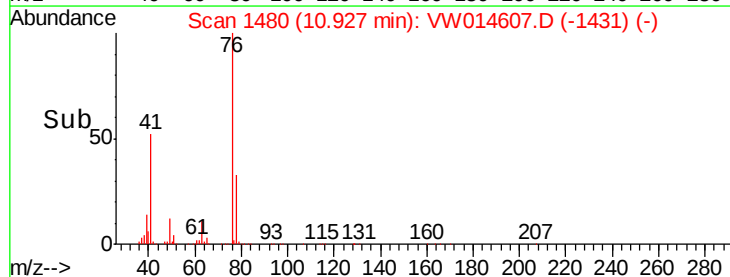
200000

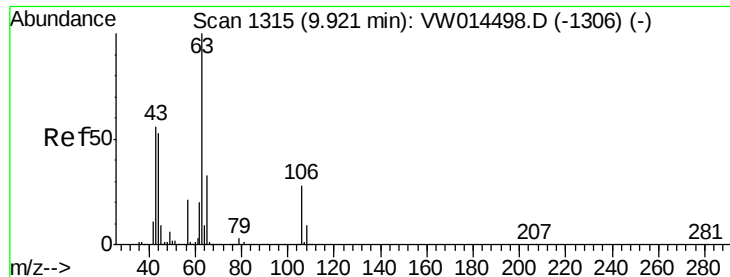
100000

0

10.80 10.90 10.93 11.00

Time-->

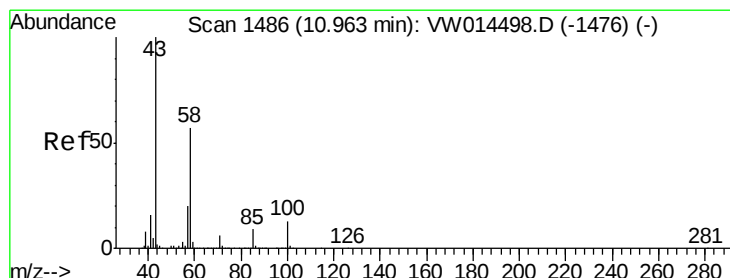
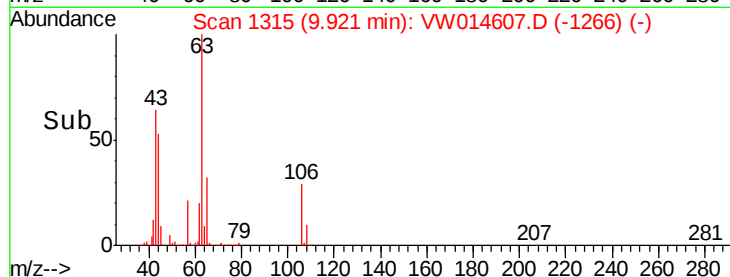
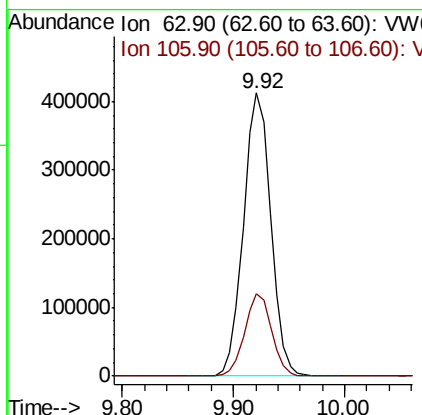
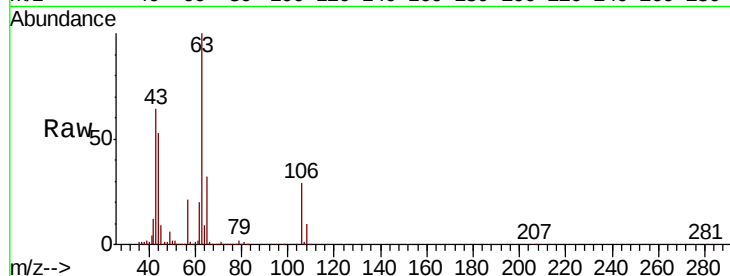




#58
2-Chloroethyl Vinyl ether
Concen: 308.901 ug/l
RT: 9.92 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

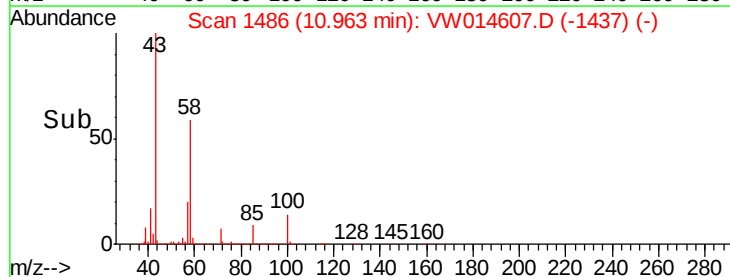
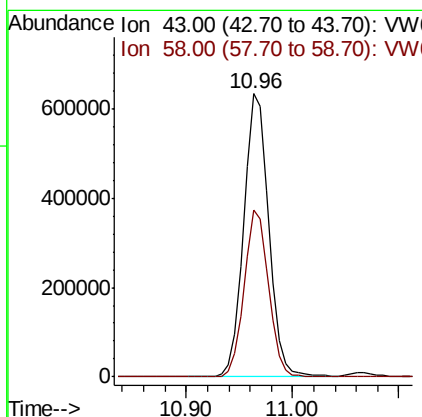
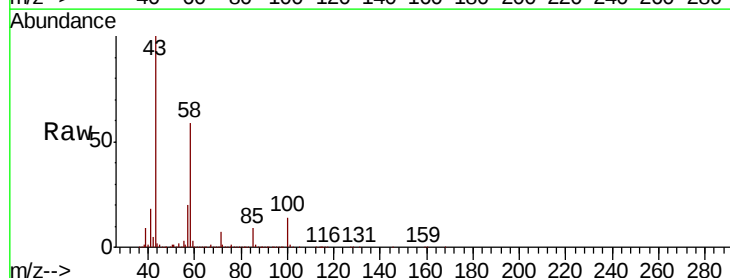
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

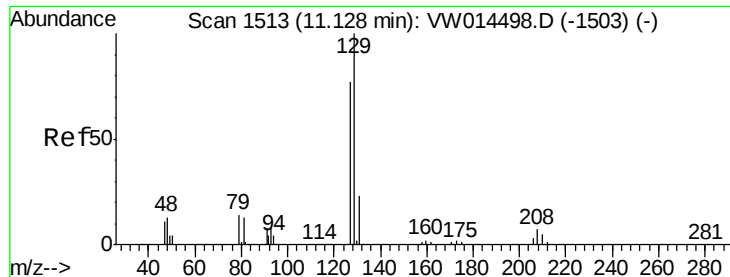
Tot Ion: 63 Resp: 702194
Ion Ratio Lower Upper
63 100
106 28.8 23.0 34.6



#59
2-Hexanone
Concen: 310.054 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 43 Resp: 1049828
Ion Ratio Lower Upper
43 100
58 57.6 28.7 86.3





#60

Dibromochloromethane

Concen: 58.687 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

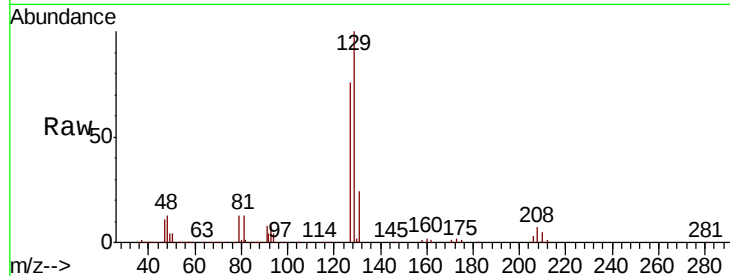
SB-3H-(8.5-10.5)MS

Tot Ion:129 Resp: 380832

Ion Ratio Lower Upper

129 100

127 76.4 38.1 114.5



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.13

200000

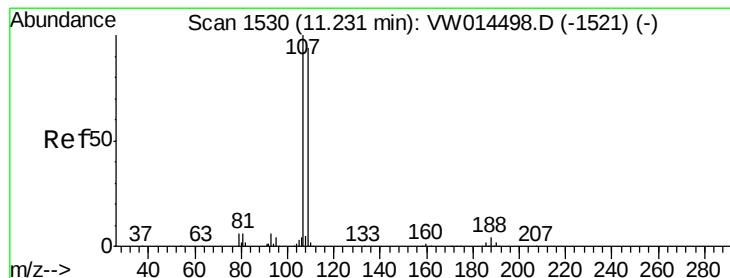
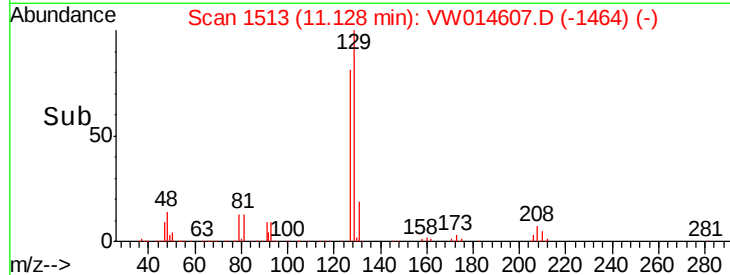
150000

100000

50000

0

Time--> 11.00 11.10 11.20



#61

1,2-Dibromoethane

Concen: 58.439 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014607.D

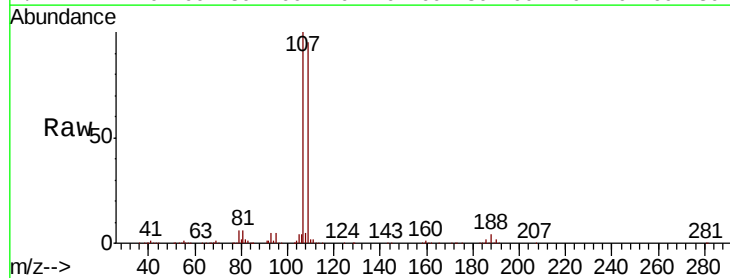
Acq: 10 Jan 2020 18:36

Tgt Ion:107 Resp: 319035

Ion Ratio Lower Upper

107 100

109 94.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

200000

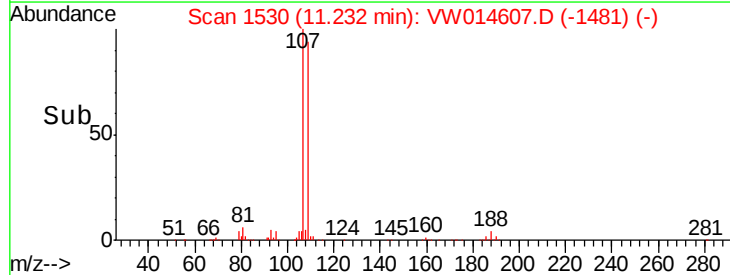
150000

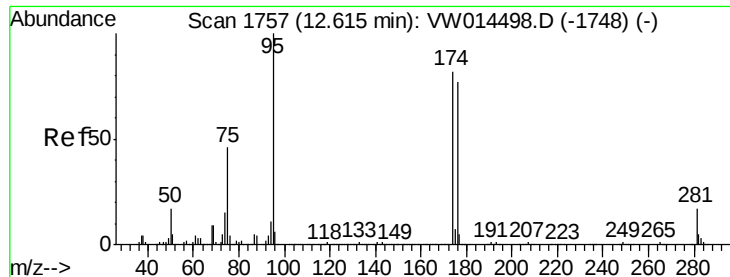
100000

50000

0

Time--> 11.10 11.20 11.30





#62

4-Bromofluorobenzene

Concen: 56.547 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

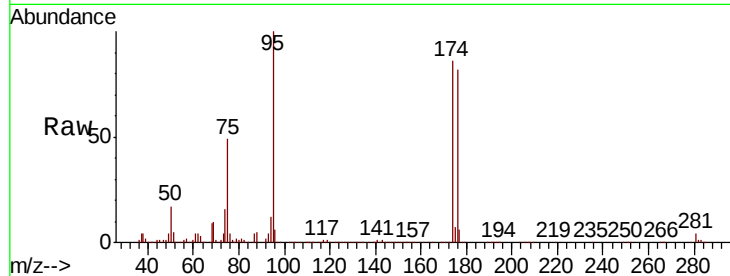
Tot Ion: 95 Resp: 545184

Ion Ratio Lower Upper

95 100

174 84.7 0.0 168.6

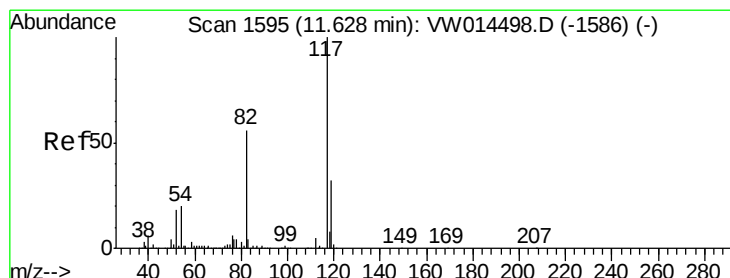
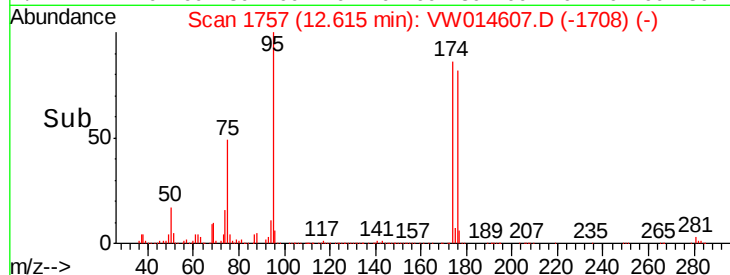
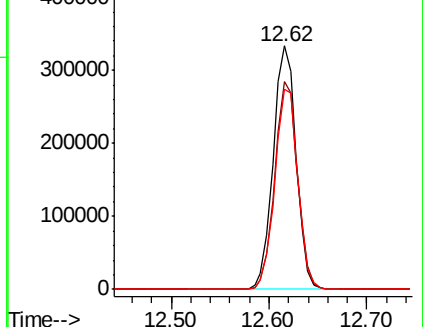
176 83.0 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

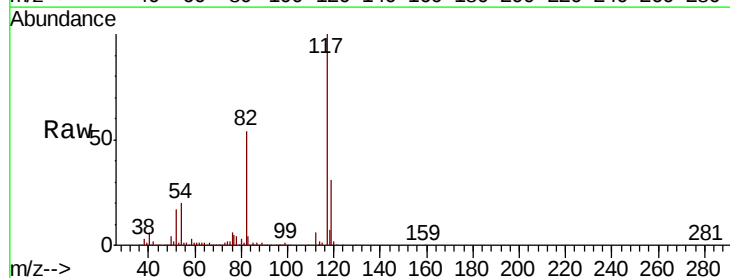
Tgt Ion: 117 Resp: 1052102

Ion Ratio Lower Upper

117 100

82 54.1 44.6 67.0

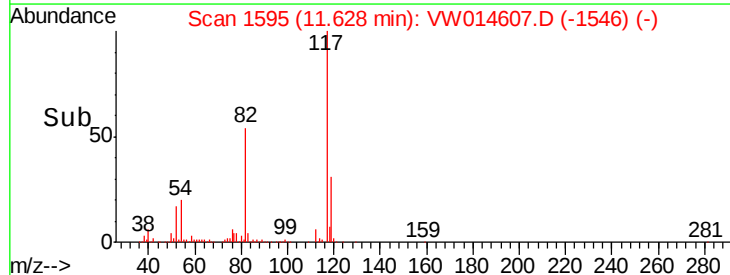
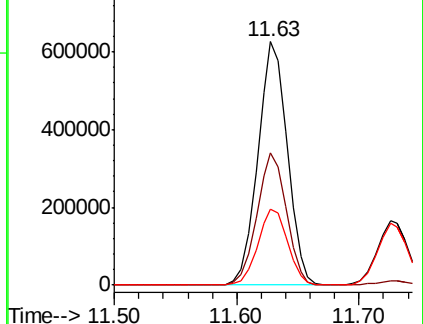
119 31.3 25.7 38.5

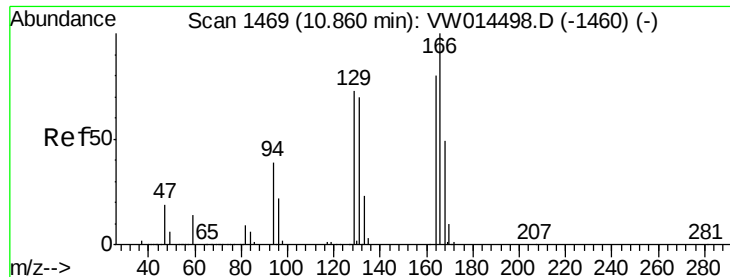


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 96.585 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion:164 Resp: 735671

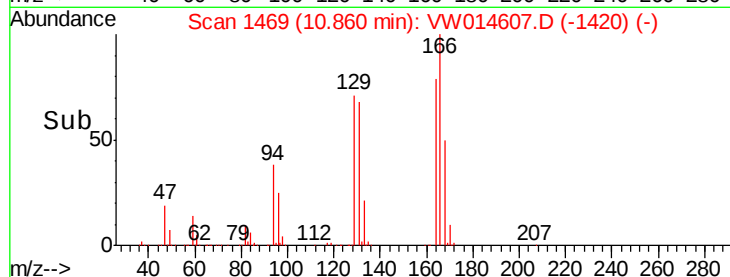
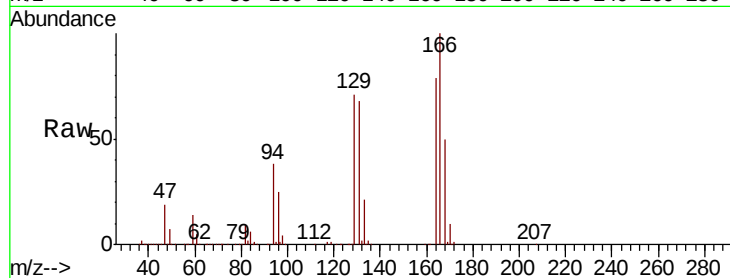
Ion Ratio Lower Upper

164 100

166 126.1 99.8 149.6

129 89.7 72.4 108.6

131 86.2 70.1 105.1

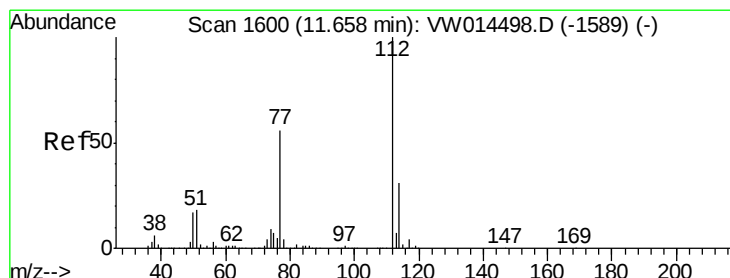
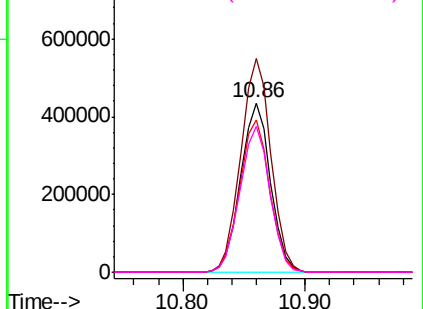


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 56.650 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW014607.D

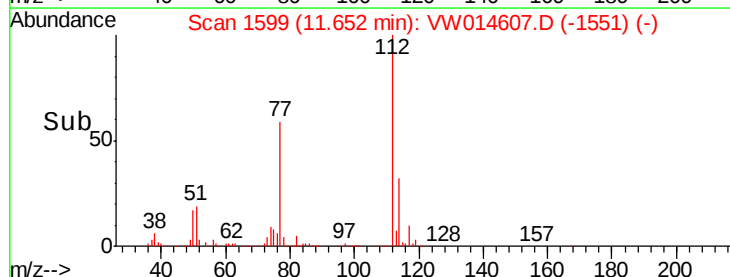
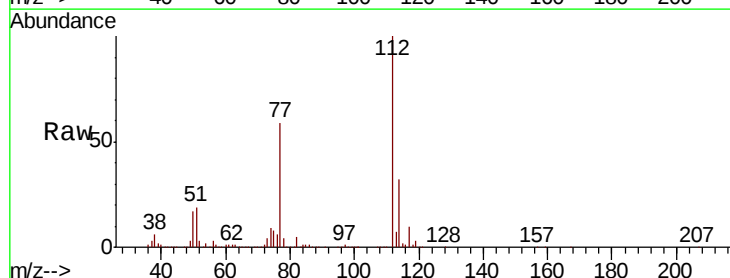
Acq: 10 Jan 2020 18:36

Tgt Ion:112 Resp: 1221057

Ion Ratio Lower Upper

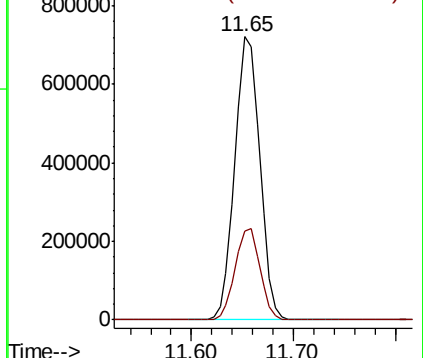
112 100

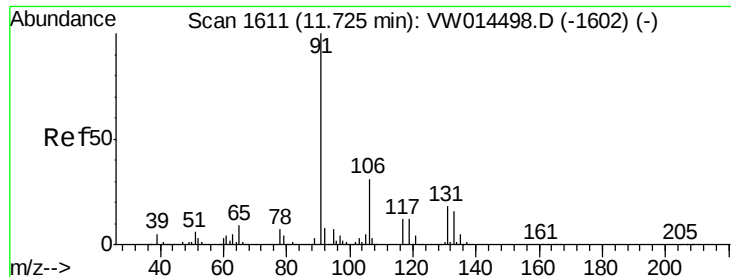
114 31.6 24.6 37.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 57.183 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

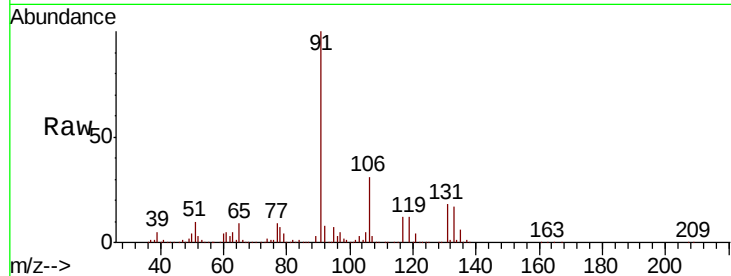
Tot Ion:131 Resp: 414991

Ion Ratio Lower Upper

131 100

133 95.9 47.3 142.0

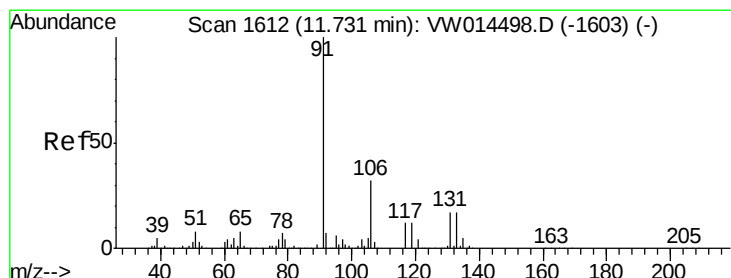
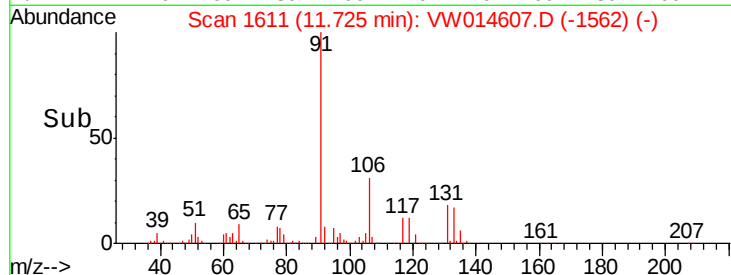
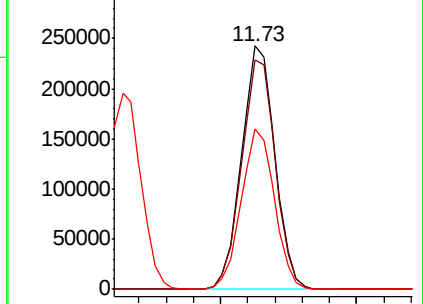
119 66.0 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 56.088 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. -0.01 min

Lab File: VW014607.D

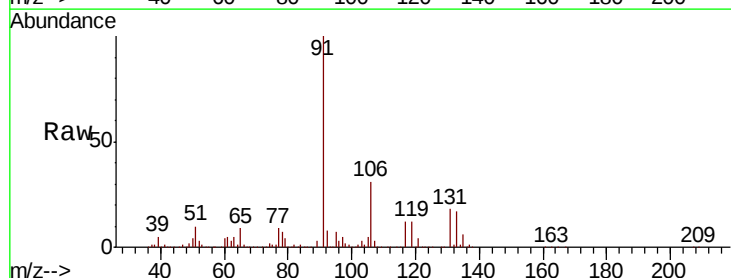
Acq: 10 Jan 2020 18:36

Tgt Ion: 91 Resp: 2178673

Ion Ratio Lower Upper

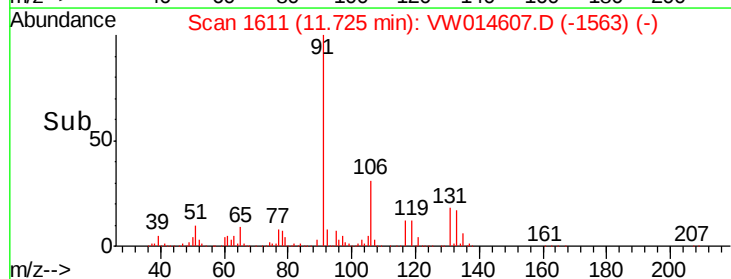
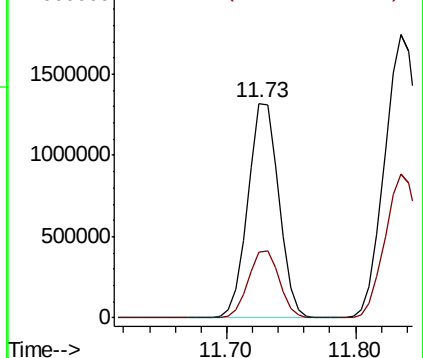
91 100

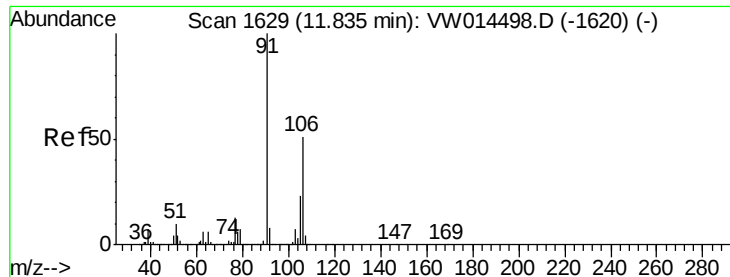
106 30.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

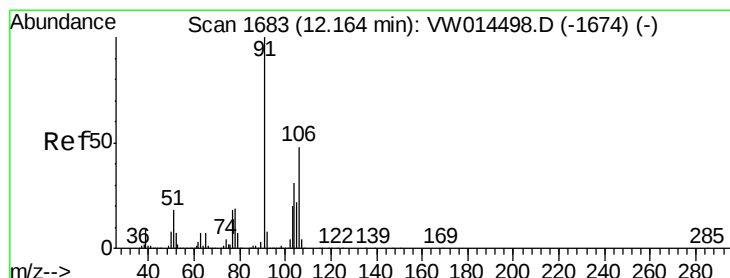
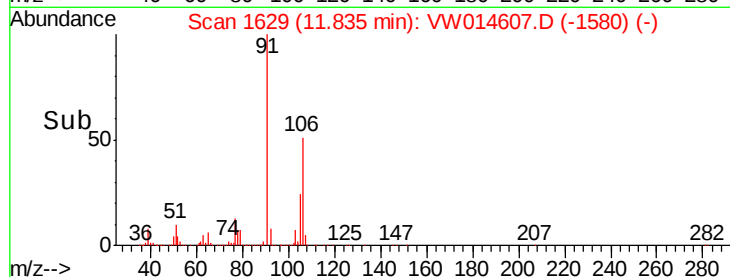
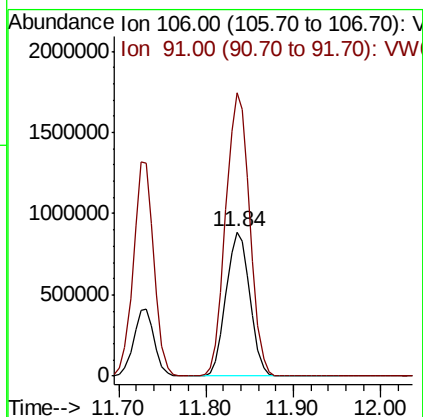
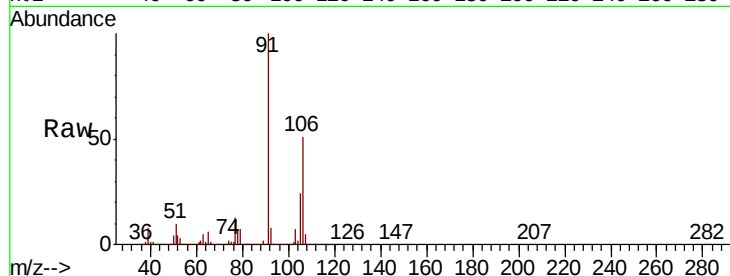




#68
m/p-Xylenes
Concen: 112.177 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

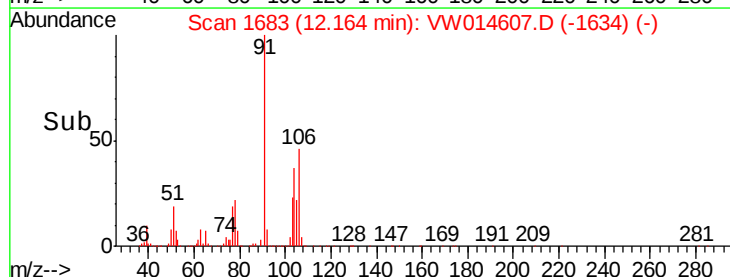
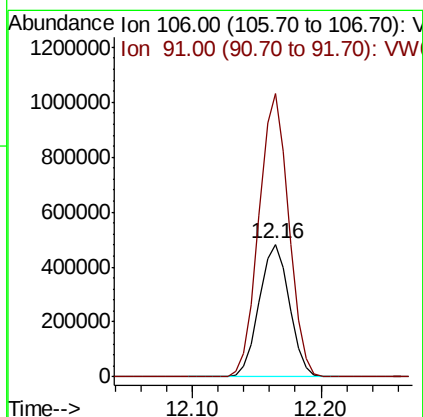
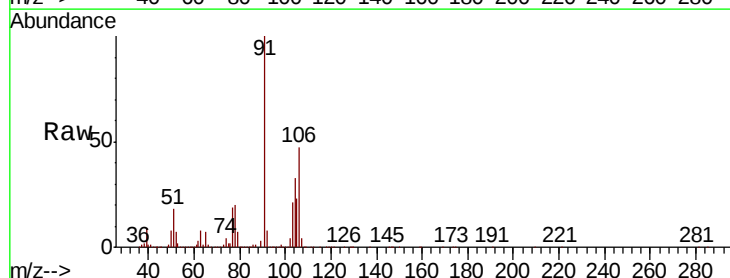
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

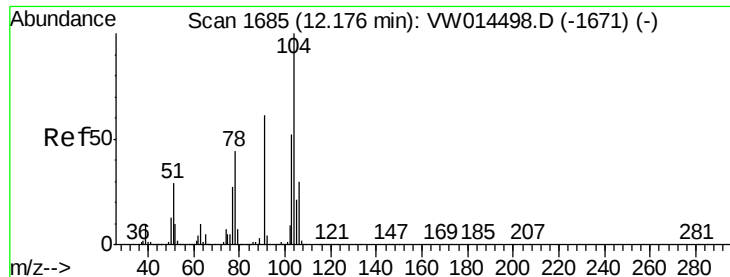
Tot Ion:106 Resp: 1667686
Ion Ratio Lower Upper
106 100
91 198.6 159.0 238.6



#69
o-Xylene
Concen: 56.937 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion:106 Resp: 781881
Ion Ratio Lower Upper
106 100
91 211.0 105.2 315.6





#70

Stvrene

Concen: 59.113 ug/l

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

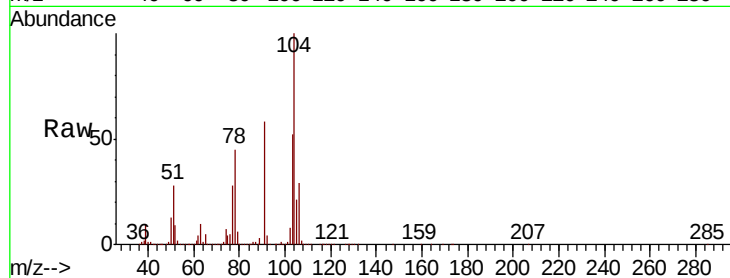
Tot Ion:104 Resp: 1373036

Ion Ratio Lower Upper

104 100

78 47.7 38.4 57.6

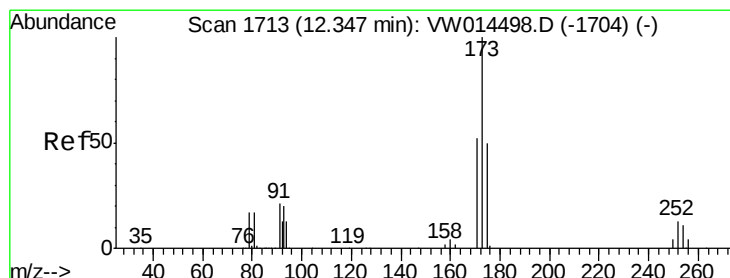
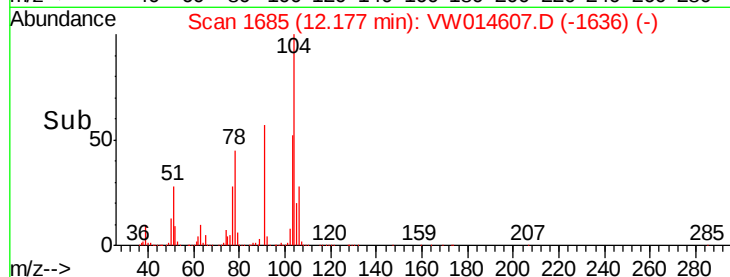
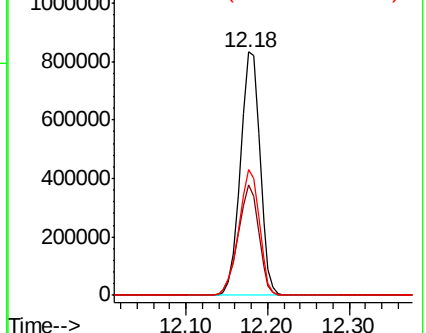
103 54.2 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 56.880 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

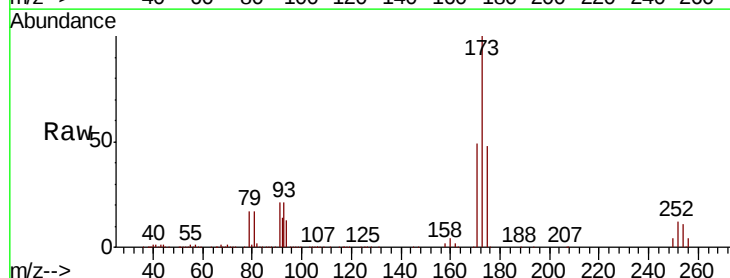
Tgt Ion:173 Resp: 225161

Ion Ratio Lower Upper

173 100

175 48.3 24.5 73.5

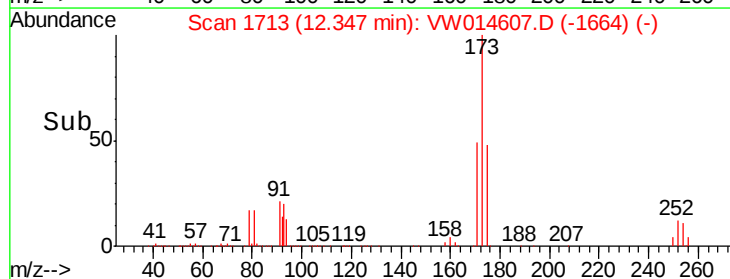
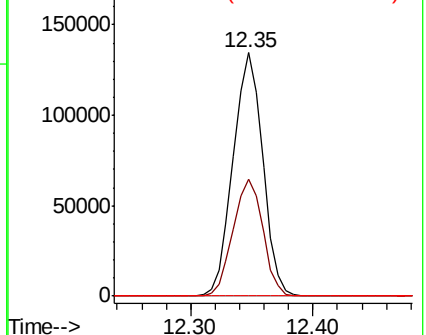
254 0.0 0.0 0.0#

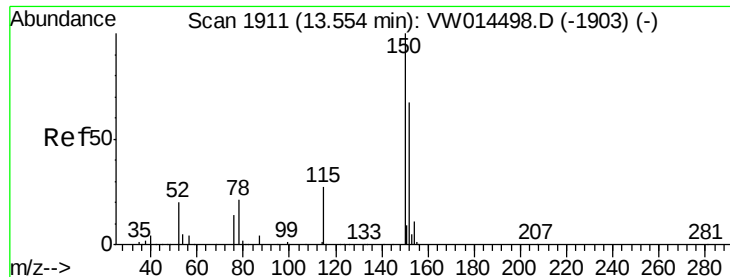


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



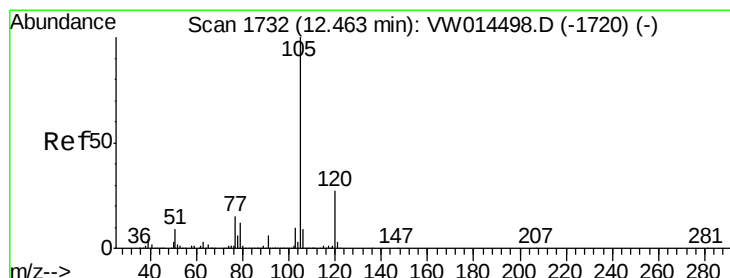
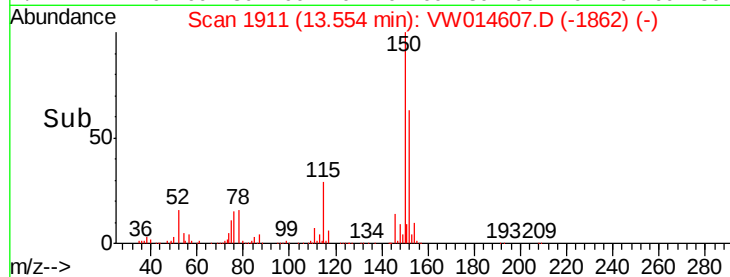
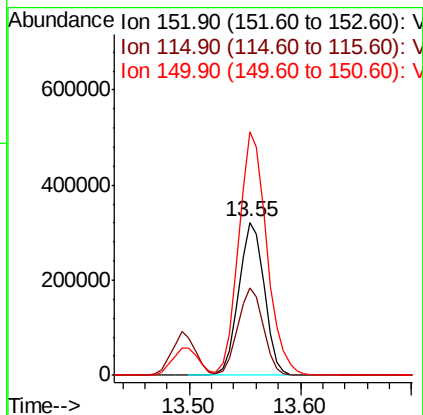
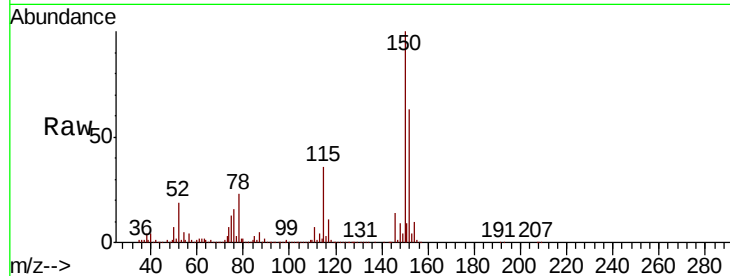


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

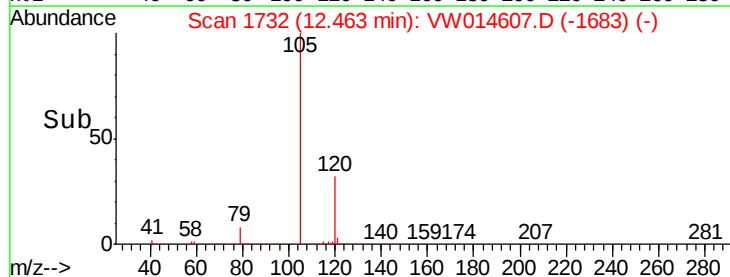
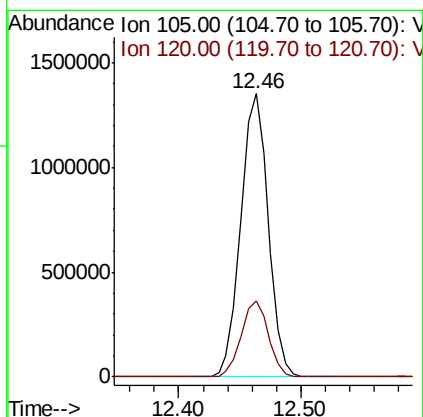
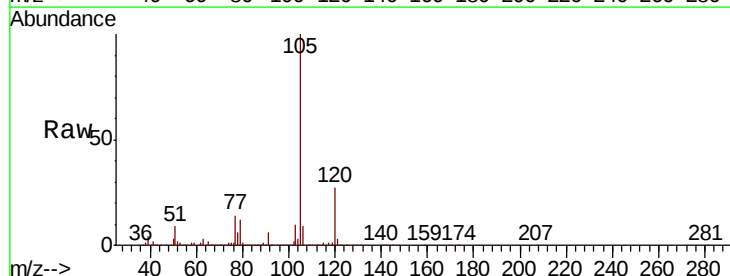
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.6	27.7	83.1
150	174.4	0.0	343.4

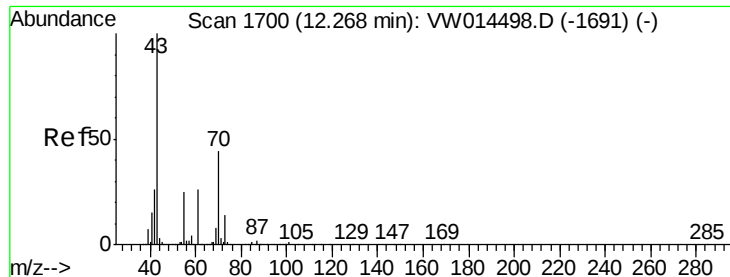


#73

Isopropylbenzene
Concen: 55.934 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.1





#74

N-amvl acetate

Concen: 2.634 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

Tot Ion: 43 Resp: 22132

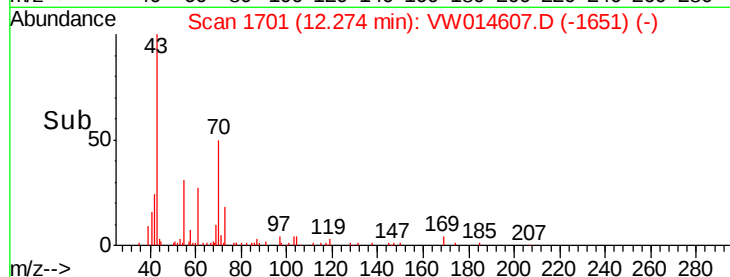
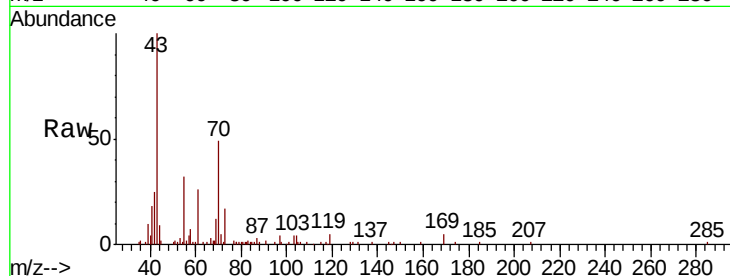
Ion Ratio Lower Upper

43 100

70 37.8 36.5 54.7

55 26.1 20.9 31.3

61 20.5 20.7 31.1#

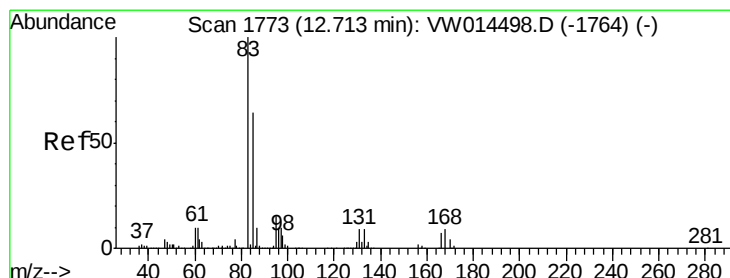
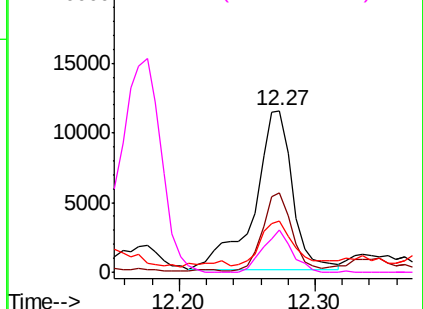


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 1.467 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.06 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

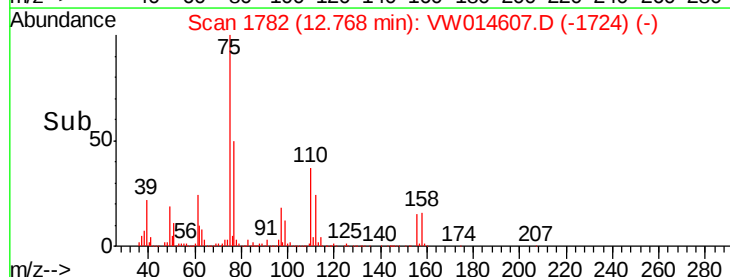
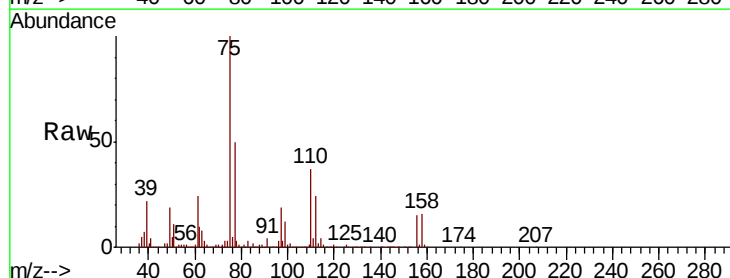
Tgt Ion: 83 Resp: 9920

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

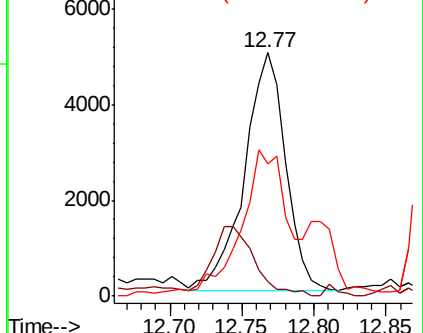
85 62.0 31.9 95.7

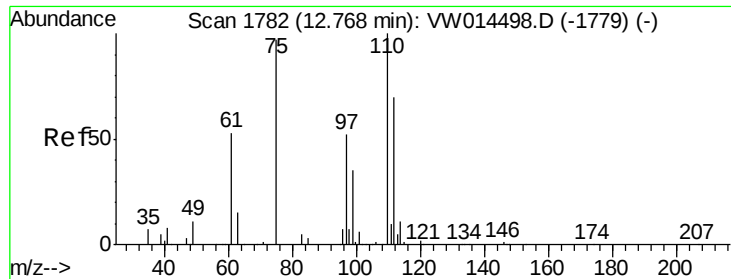


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW

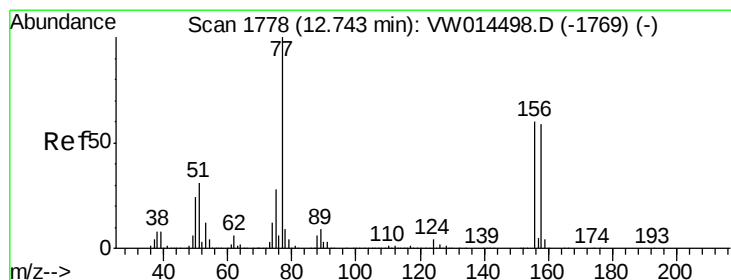
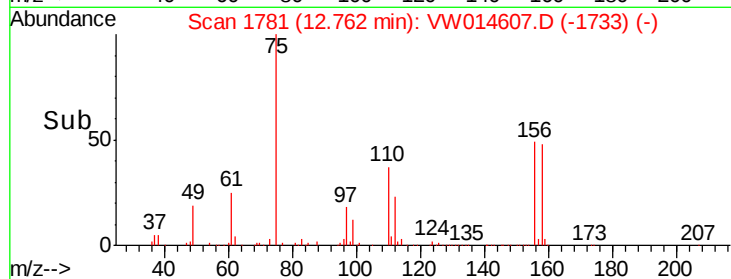
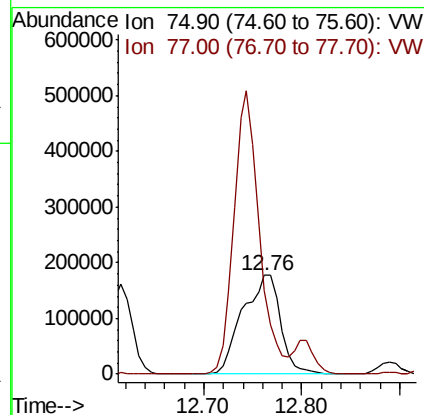
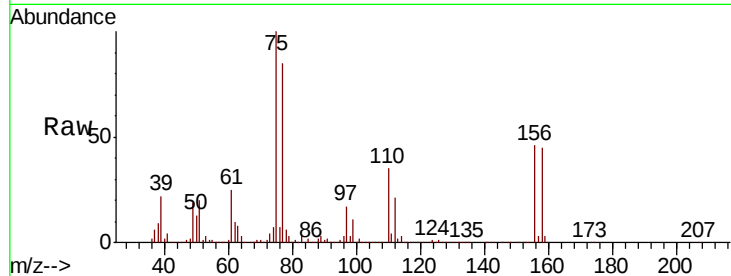




#76
 1,2,3-Trichloropropane
 Concen: 99.013 ug/l
 RT: 12.76 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

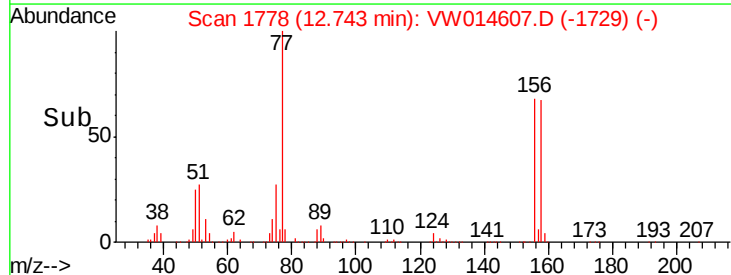
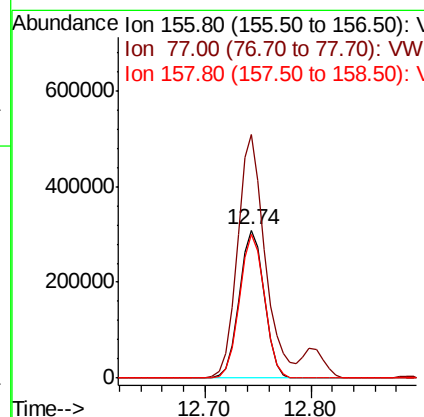
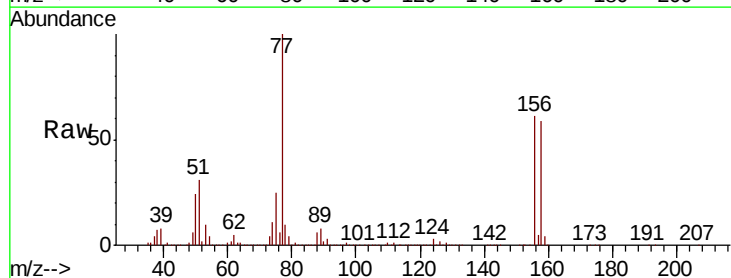
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

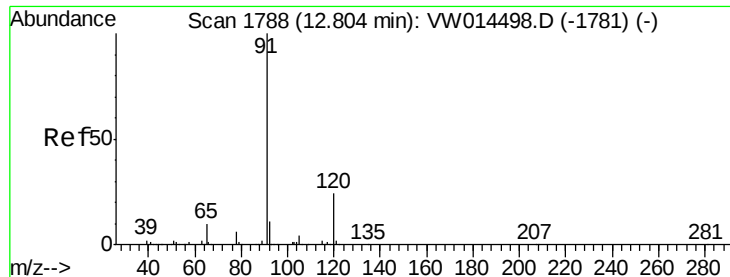
Tot Ion: 75 Resp: 478092
 Ion Ratio Lower Upper
 75 100
 77 192.6 0.0 0.0#



#77
 Bromobenzene
 Concen: 58.454 ug/l
 RT: 12.74 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

Tgt Ion: 156 Resp: 508740
 Ion Ratio Lower Upper
 156 100
 77 181.0 92.3 277.1
 158 97.2 48.6 145.9





#78

n-propylbenzene

Concen: 55.543 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

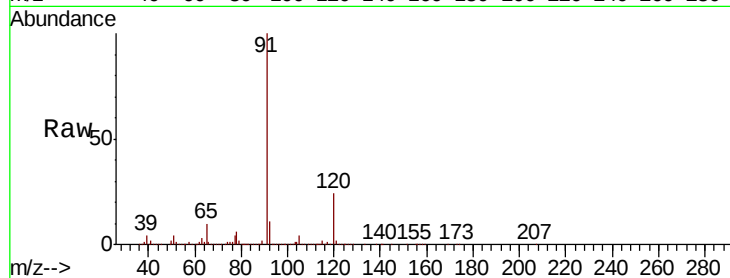
SB-3H-(8.5-10.5)MS

Tot Ion: 91 Resp: 2447438

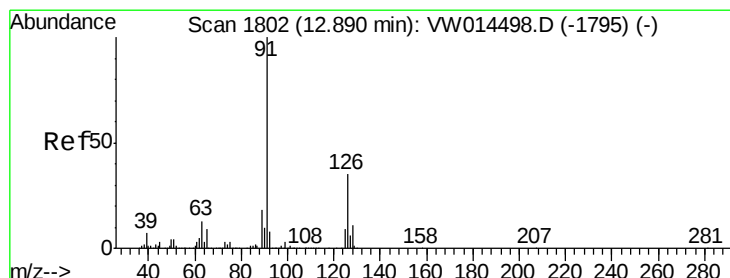
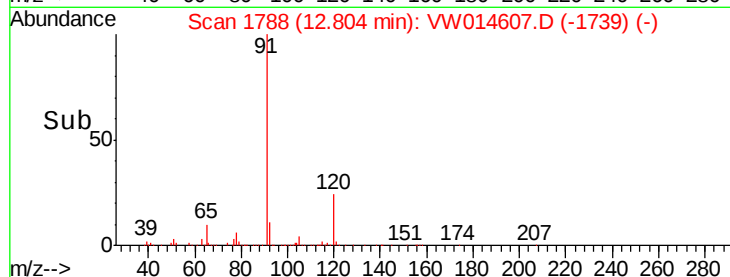
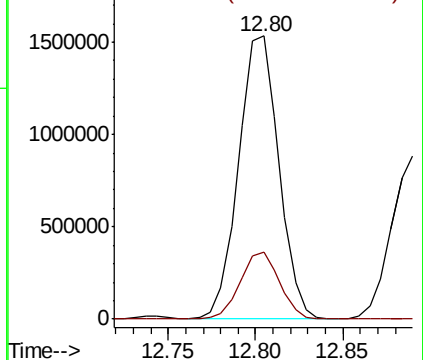
Ion Ratio Lower Upper

91 100

120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW014607.D (-1781) (-)



#79

2-Chlorotoluene

Concen: 56.450 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014607.D

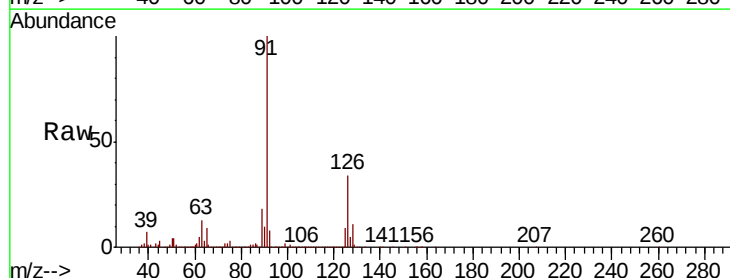
Acq: 10 Jan 2020 18:36

Tgt Ion: 91 Resp: 1415506

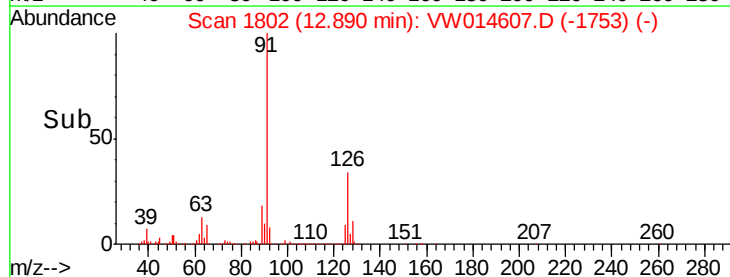
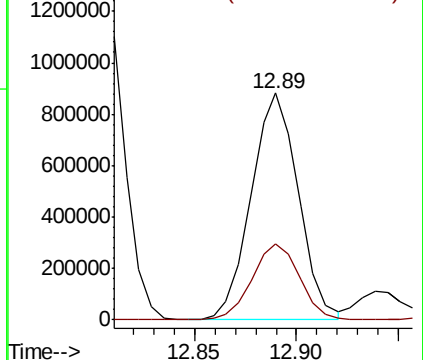
Ion Ratio Lower Upper

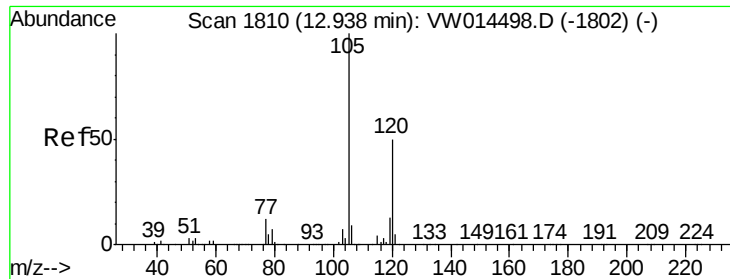
91 100

126 33.7 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW014607.D (-1795) (-)





#80

1,3,5-Trimethylbenzene

Concen: 54.779 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

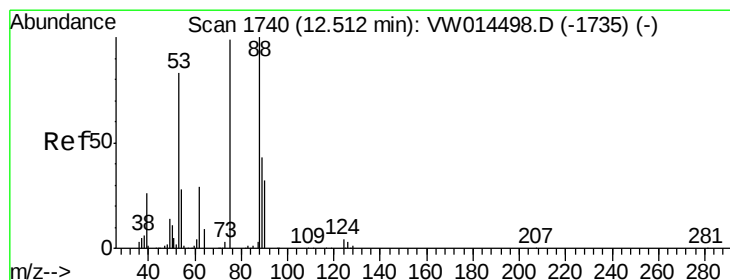
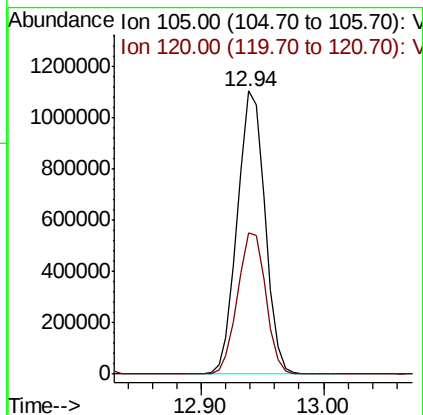
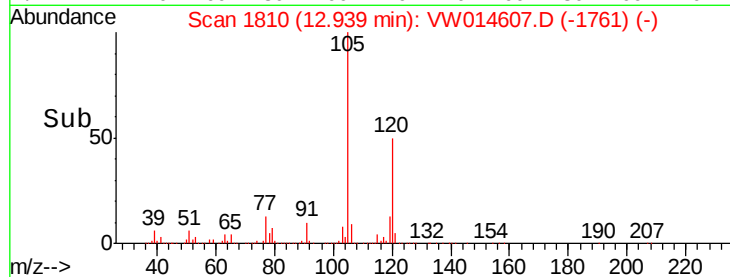
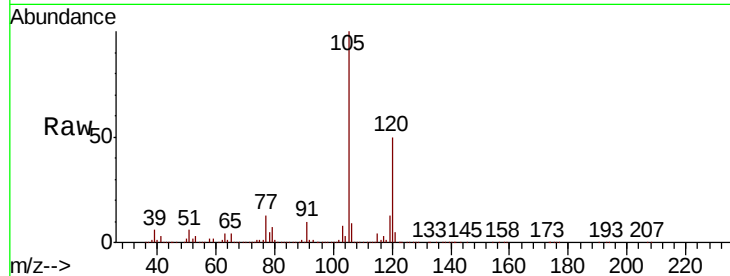
SB-3H-(8.5-10.5)MS

Tot Ion:105 Resp: 1723512

Ion Ratio Lower Upper

105 100

120 51.0 25.2 75.6



#81

trans-1,4-Dichloro-2-butene

Concen: 54.644 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

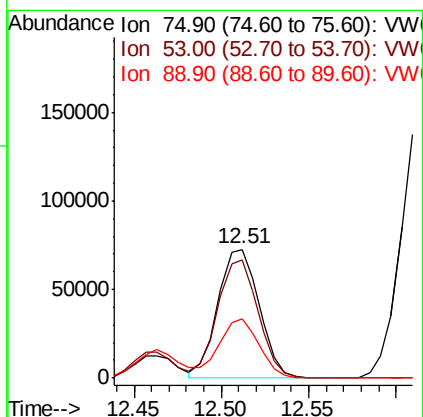
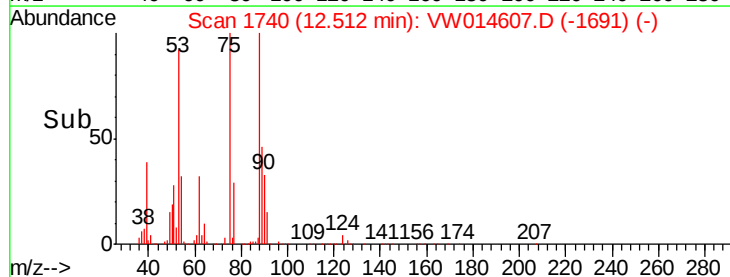
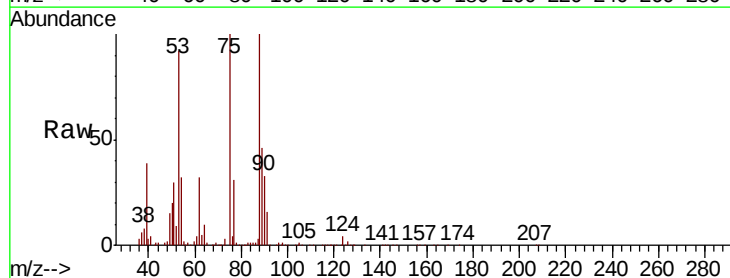
Tgt Ion: 75 Resp: 118423

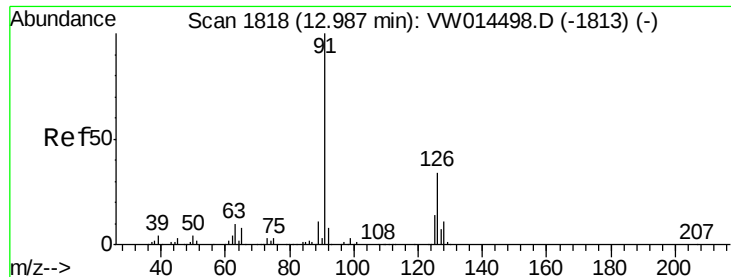
Ion Ratio Lower Upper

75 100

53 90.6 70.9 106.3

89 44.1 35.8 53.8

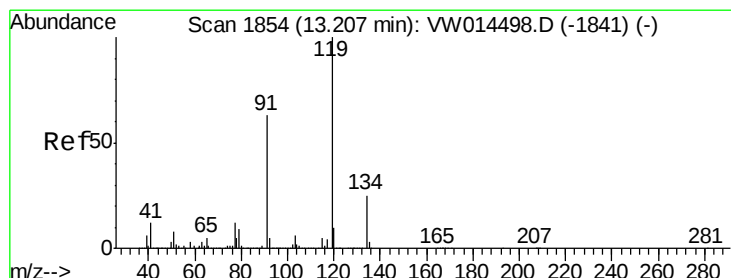
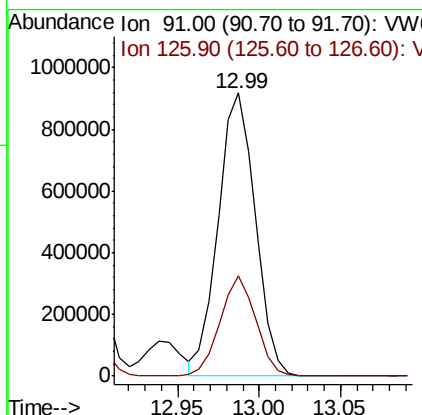
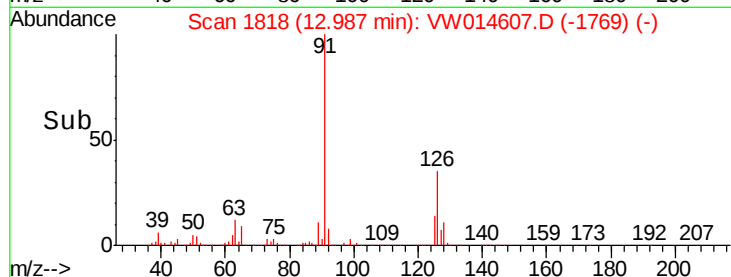
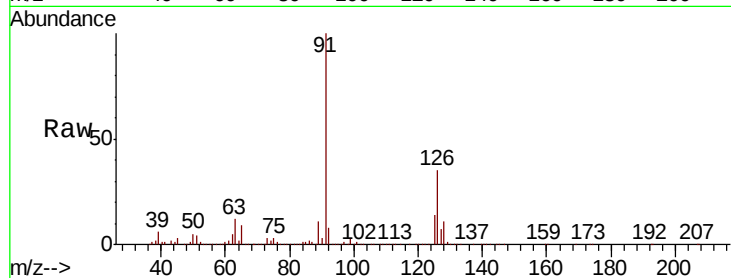




#82
4-Chlorotoluene
Concen: 55.745 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

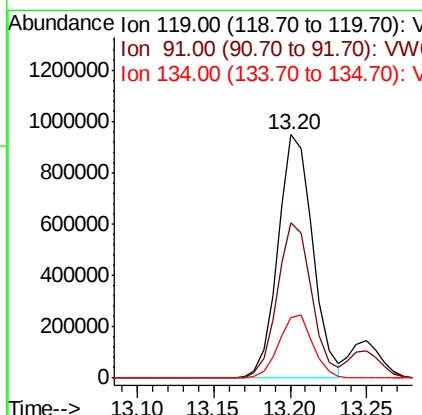
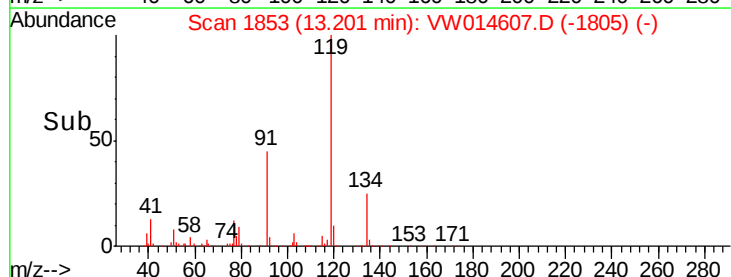
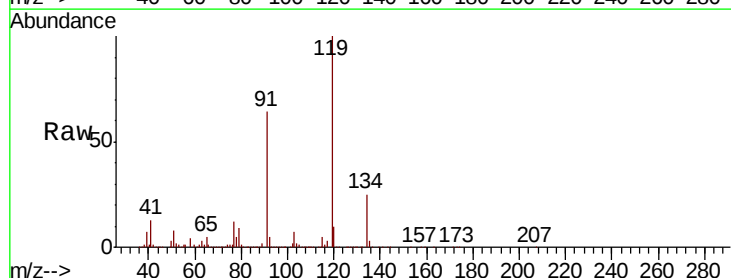
Instrument :
MSVOA_W
ClientSampleId :
SB-3H-(8.5-10.5)MS

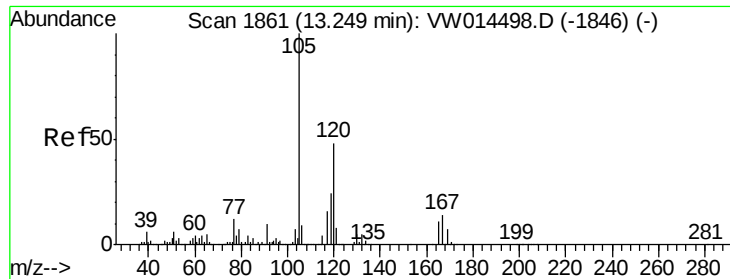
Tot Ion: 91 Resp: 1452269
Ion Ratio Lower Upper
91 100
126 34.1 17.1 51.2



#83
tert-Butylbenzene
Concen: 53.920 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW014607.D
Acq: 10 Jan 2020 18:36

Tgt Ion: 119 Resp: 1485331
Ion Ratio Lower Upper
119 100
91 63.8 31.1 93.3
134 25.4 13.5 40.5

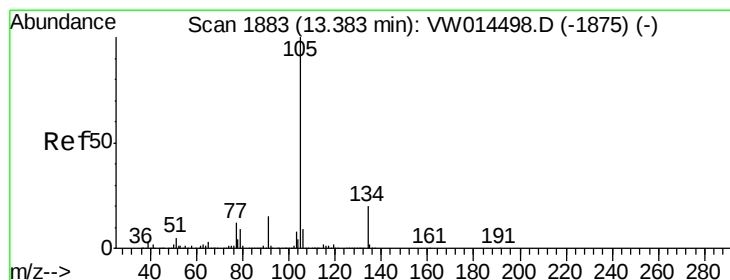
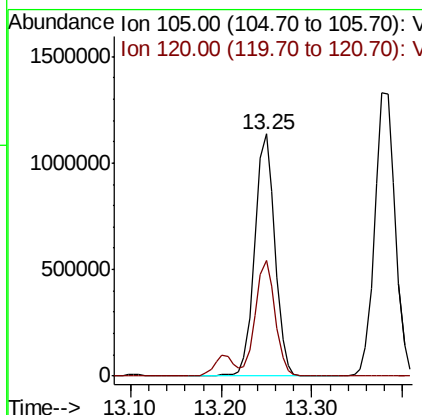
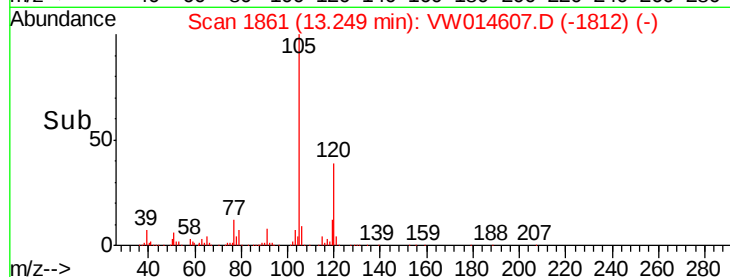
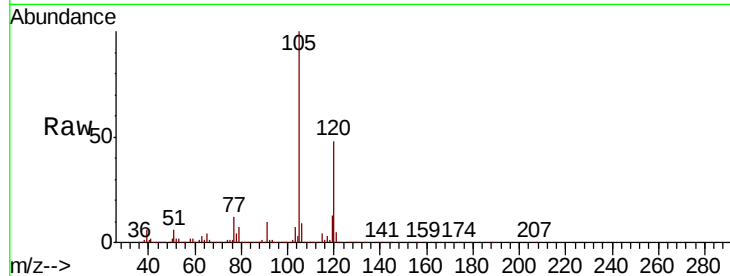




#84
 1,2,4-Trimethylbenzene
 Concen: 55.658 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

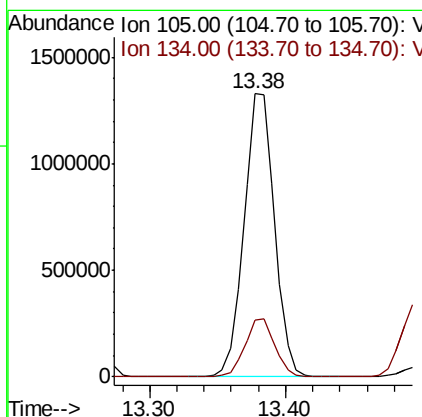
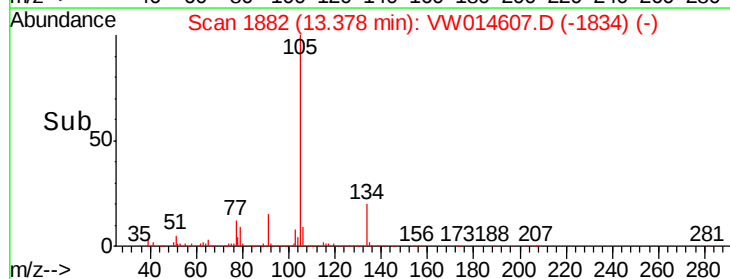
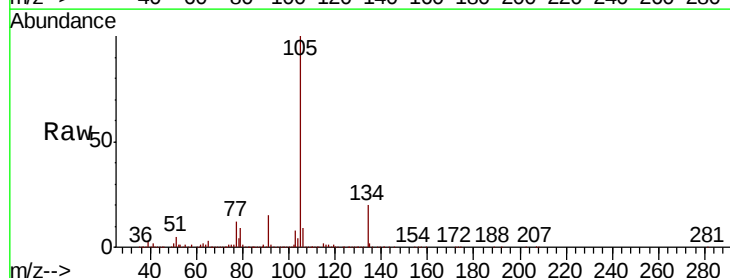
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

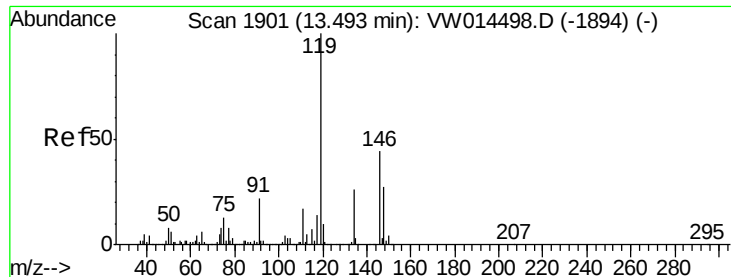
Tot Ion:105 Resp: 1742663
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0



#85
 sec-Butylbenzene
 Concen: 54.342 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

Tgt Ion:105 Resp: 2072049
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.6

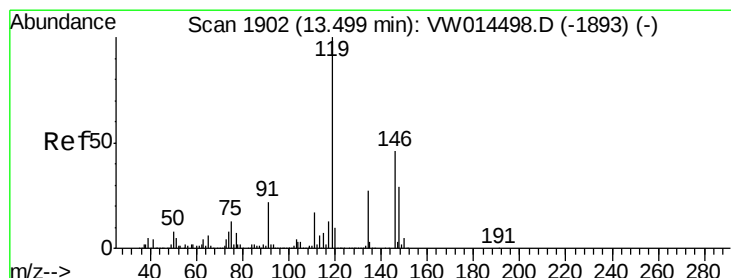
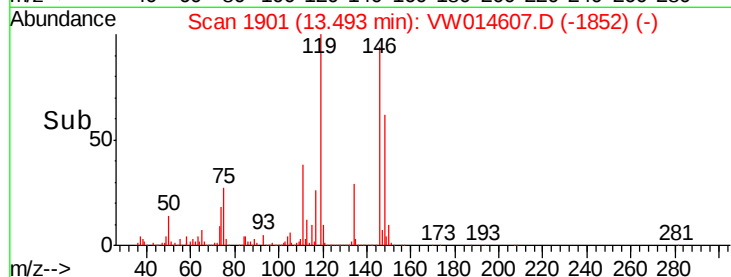
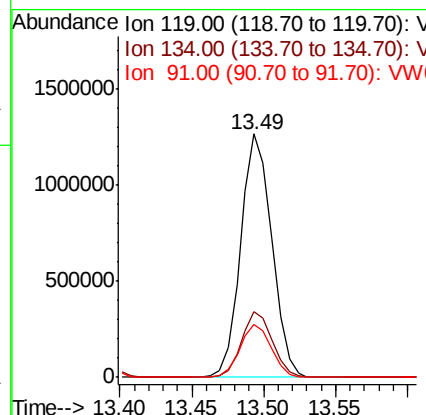
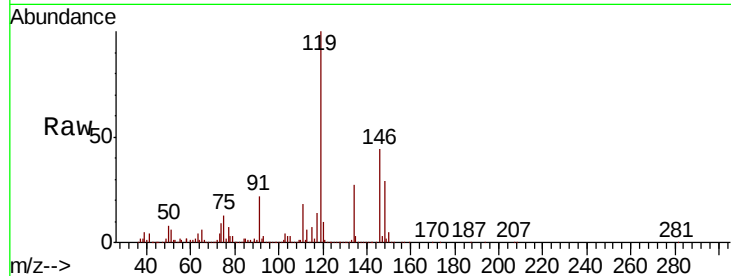




#86
 p-Isopropyltoluene
 Concen: 54.507 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

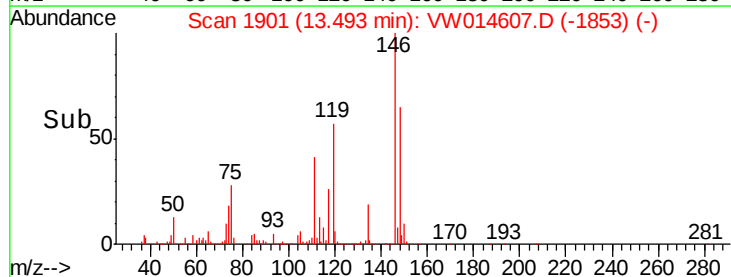
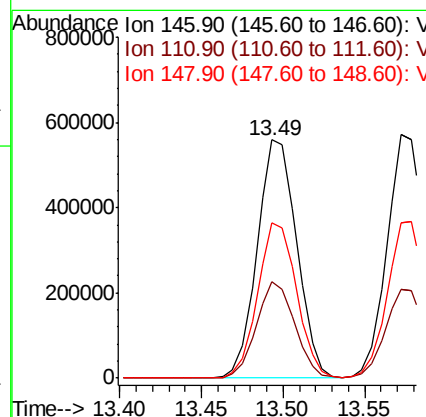
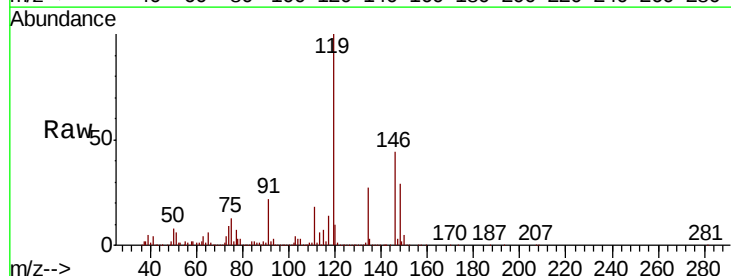
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

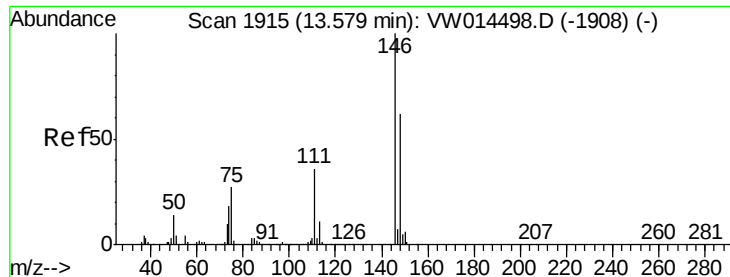
Tot Ion:119 Resp: 1894381
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 22.1 11.1 33.3



#87
 1,3-Dichlorobenzene
 Concen: 55.514 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

Tgt Ion:146 Resp: 939518
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.3 57.9
 148 64.1 31.8 95.4

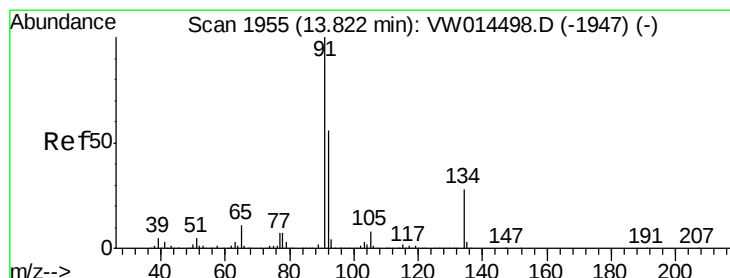
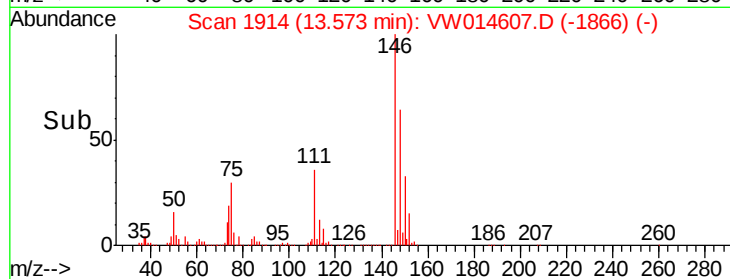
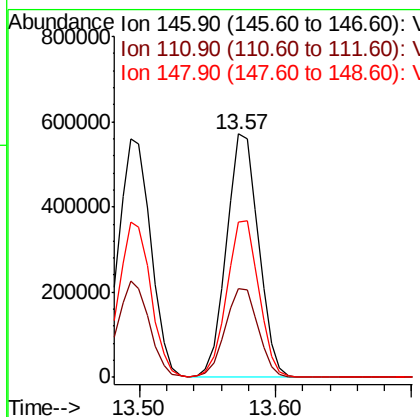
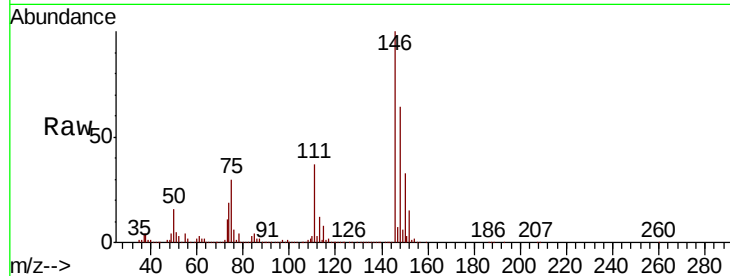




#88
 1,4-Dichlorobenzene
 Concen: 56.081 ug/l
 RT: 13.57 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

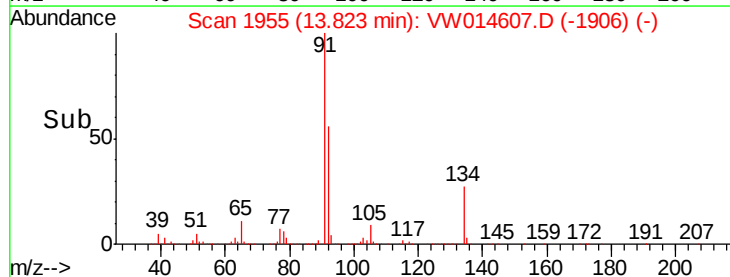
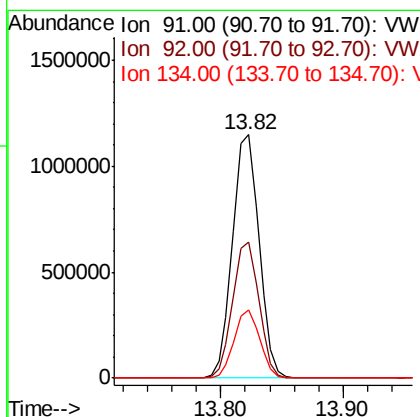
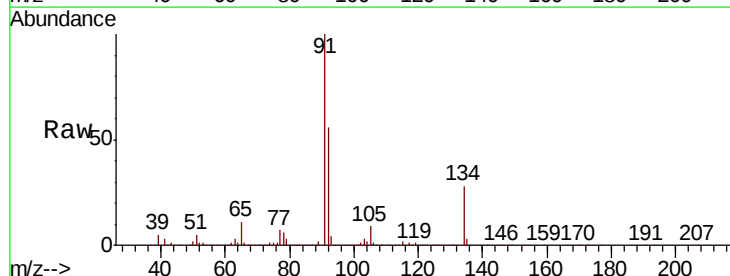
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3H-(8.5-10.5)MS

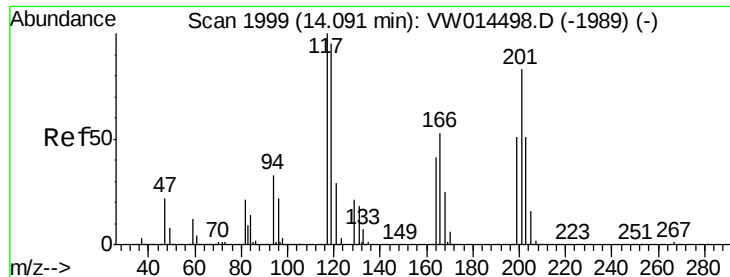
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	64.2	31.7	95.1



#89
 n-Butylbenzene
 Concen: 53.260 ug/l
 RT: 13.82 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW014607.D
 Acq: 10 Jan 2020 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	27.5	82.5
134	27.3	13.7	41.1





#90

Hexachloroethane

Concen: 53.317 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

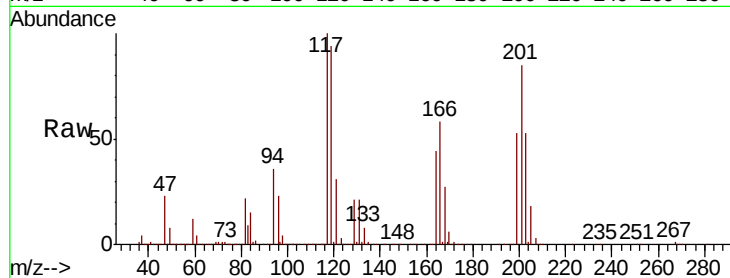
SB-3H-(8.5-10.5)MS

Tot Ion:117 Resp: 323711

Ion Ratio Lower Upper

117 100

201 86.3 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.09

200000

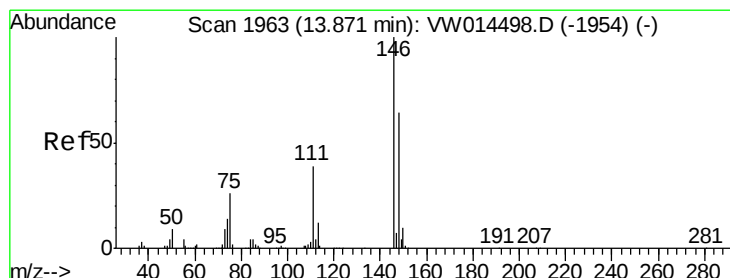
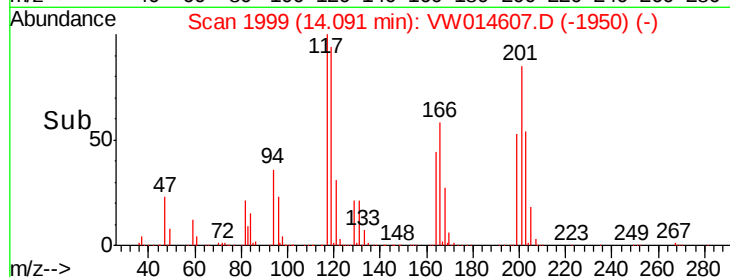
150000

100000

50000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 57.609 ug/l

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

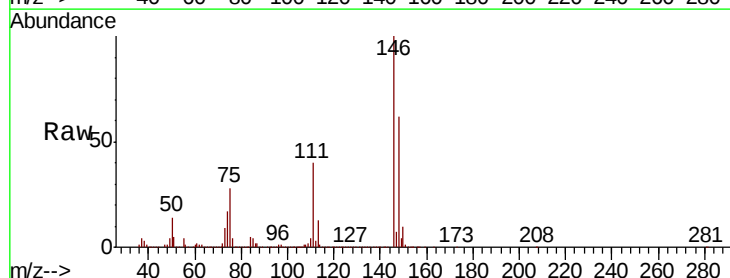
Tgt Ion:146 Resp: 856939

Ion Ratio Lower Upper

146 100

111 40.2 20.4 61.3

148 63.7 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.87

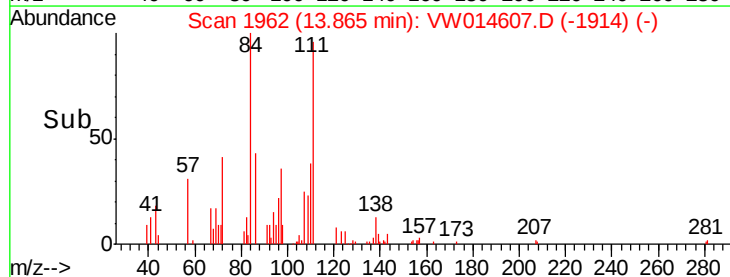
600000

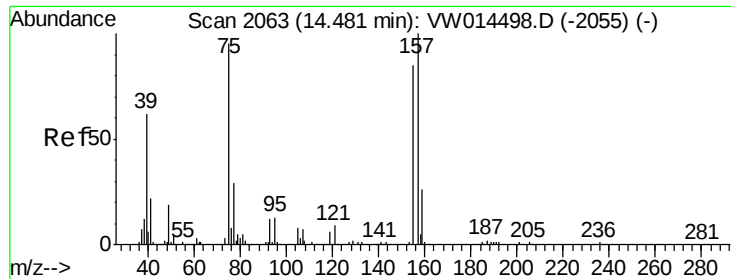
400000

200000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 48.846 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

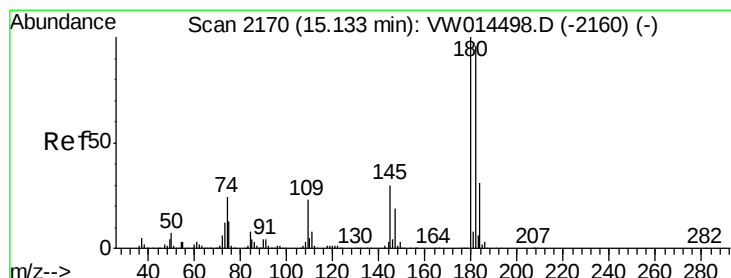
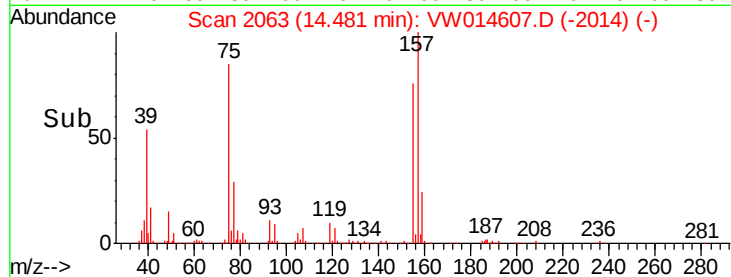
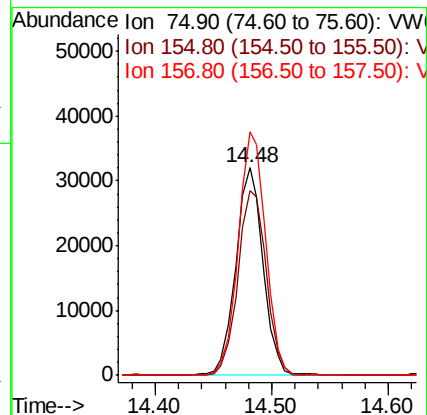
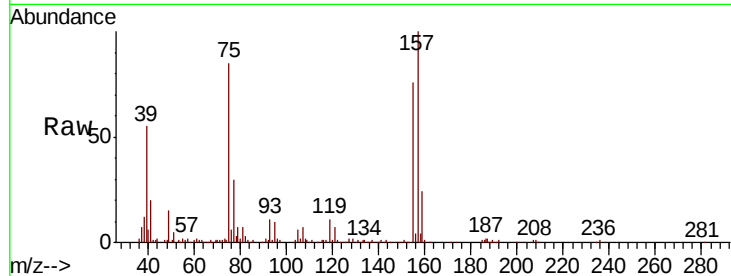
Tot Ion: 75 Resp: 52318

Ion Ratio Lower Upper

75 100

155 92.0 45.8 137.4

157 117.4 58.1 174.2



#93

1,2,4-Trichlorobenzene

Concen: 58.503 ug/l

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

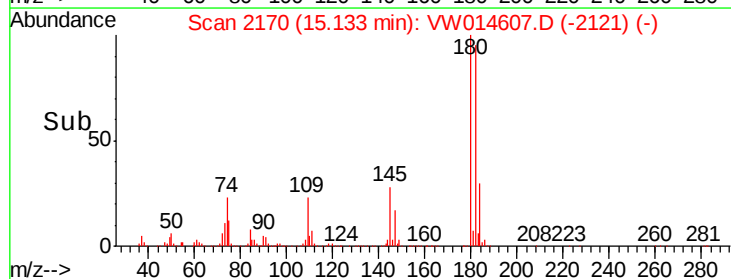
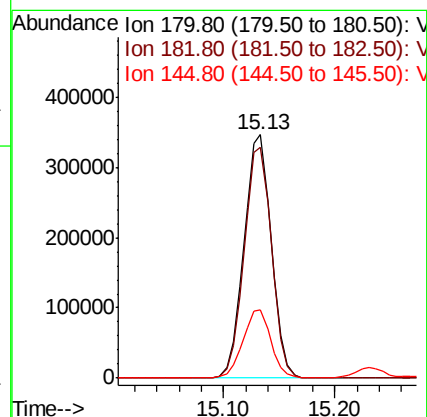
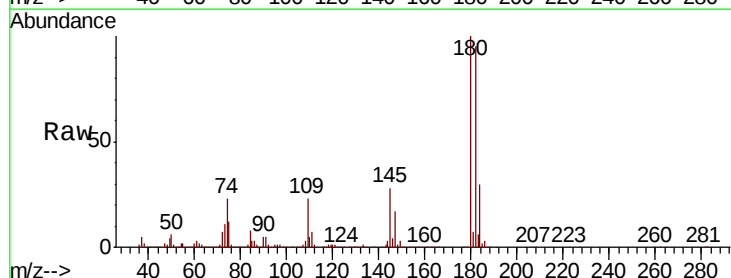
Tgt Ion: 180 Resp: 587665

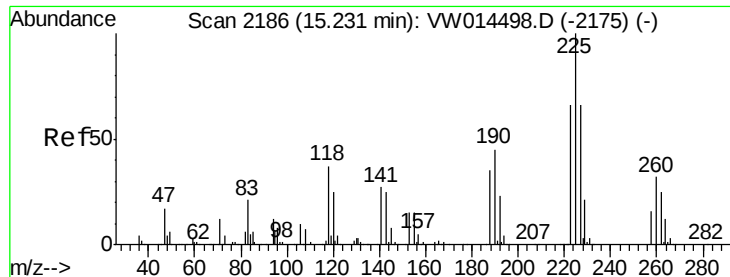
Ion Ratio Lower Upper

180 100

182 95.3 47.3 141.8

145 28.5 14.7 44.1





#94

Hexachlorobutadiene

Concen: 46.850 ug/l

RT: 15.23 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

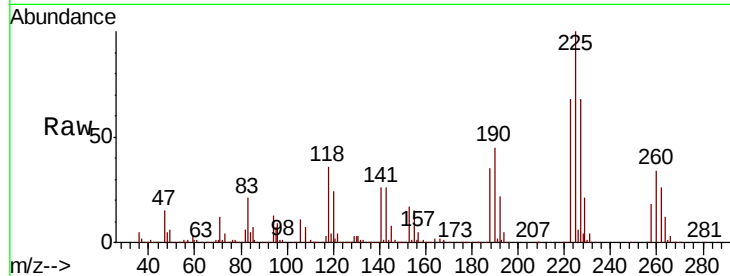
Tot Ion:225 Resp: 315380

Ion Ratio Lower Upper

225 100

223 63.8 32.4 97.2

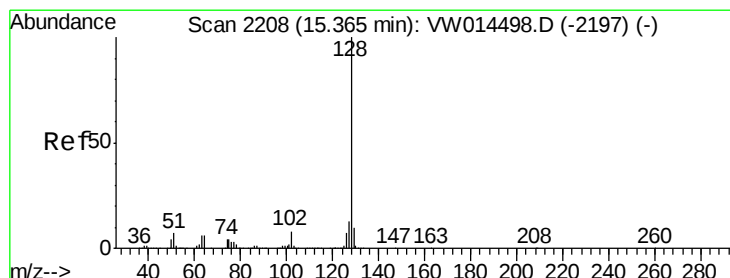
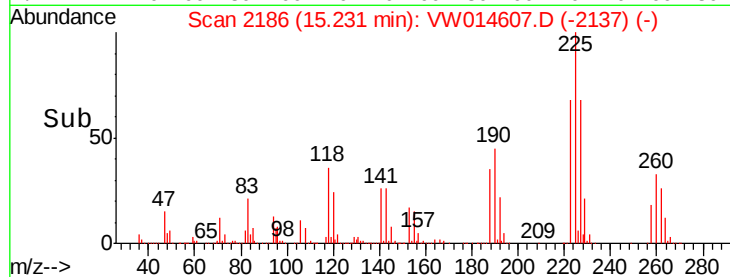
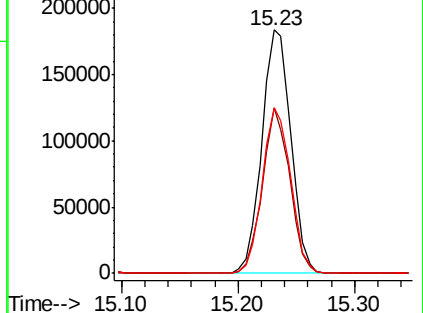
227 66.6 32.6 97.8



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: 64.636 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

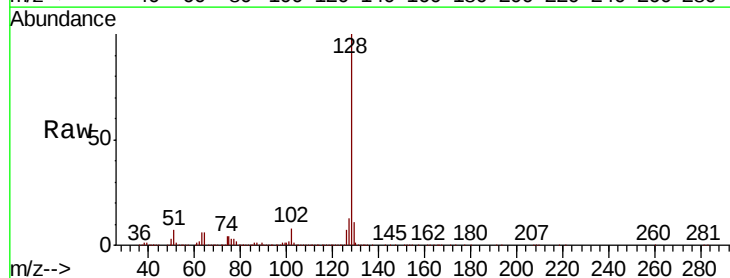
Tgt Ion:128 Resp: 1107302

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

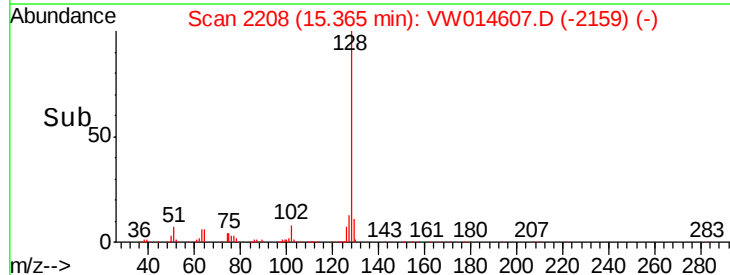
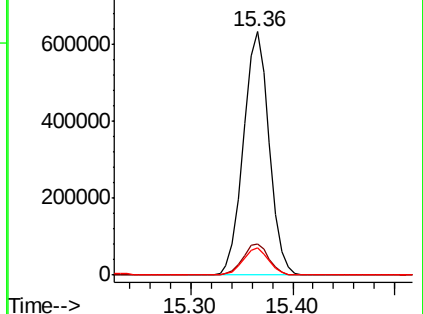
129 11.1 8.7 13.1

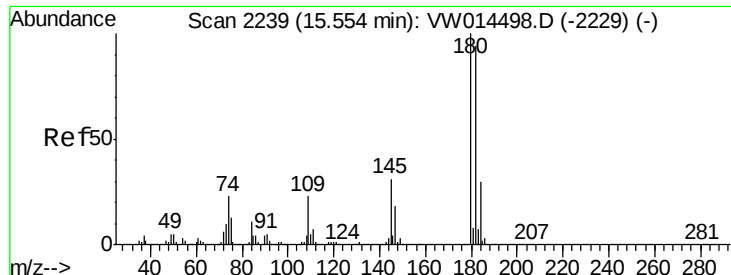


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 58.408 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014607.D

Acq: 10 Jan 2020 18:36

Instrument :

MSVOA_W

ClientSampleId :

SB-3H-(8.5-10.5)MS

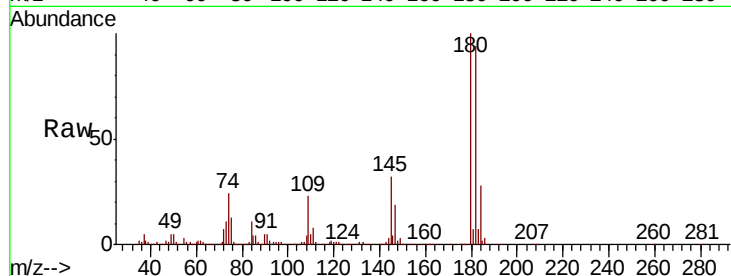
Tot Ion:180 Resp: 511411

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

145 32.2 15.5 46.5



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

