

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015107.D
 Acq On : 10 Mar 2020 10:46
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 11 08:52:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 09 18:51:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	355291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	637521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	582390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	265019	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	278522	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
35) Dibromofluoromethane	7.88	113	205051	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	10.32	98	888551	55.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.18%	
62) 4-Bromofluorobenzene	12.62	95	305549	57.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	120309	55.844	ug/l	97
3) Chloromethane	2.21	50	235239	50.883	ug/l	96
4) Vinyl Chloride	2.36	62	314490	51.961	ug/l	98
5) Bromomethane	2.78	94	175751	50.800	ug/l	98
6) Chloroethane	2.92	64	189937	54.180	ug/l	97
7) Trichlorofluoromethane	3.26	101	162063	53.507	ug/l	97
8) Diethyl Ether	3.68	74	121332	52.573	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	248751	53.875	ug/l	99
10) Methyl Iodide	4.27	142	267650	52.107	ug/l	98
11) Tert butyl alcohol	5.16	59	74778	249.066	ug/l	99
12) 1,1-Dichloroethene	4.04	96	241585	53.516	ug/l	99
13) Acrolein	3.89	56	103459	235.619	ug/l	94
14) Allyl chloride	4.67	41	497939	55.042	ug/l	98
15) Acrylonitrile	5.37	53	327960	277.229	ug/l	100
16) Acetone	4.12	43	344921	289.506	ug/l	98
17) Carbon Disulfide	4.38	76	858282	53.625	ug/l	98
18) Methyl Acetate	4.67	43	153886	54.488	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	315746	54.638	ug/l	96
20) Methylene Chloride	4.91	84	274160	56.911	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	262700	54.811	ug/l	98
22) Diisopropyl ether	6.31	45	985413	56.769	ug/l	99
23) Vinyl Acetate	6.25	43	2984152	291.226	ug/l	100
24) 1,1-Dichloroethane	6.21	63	546164	53.956	ug/l	99
25) 2-Butanone	7.17	43	469231	287.291	ug/l	99
26) 2,2-Dichloropropane	7.16	77	308547	53.296	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	270698	54.250	ug/l	99
28) Bromochloromethane	7.51	49	263215	54.268	ug/l	98
29) Tetrahydrofuran	7.52	42	291155	284.993	ug/l	99
30) Chloroform	7.67	83	481972	53.655	ug/l	99
31) Cyclohexane	7.95	56	549679	52.799	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	376919	53.739	ug/l	100
36) 1,1-Dichloropropene	8.08	75	423762	57.317	ug/l	99
37) Ethyl Acetate	7.24	43	205054	55.649	ug/l	99
38) Carbon Tetrachloride	8.07	117	337344	56.051	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	483597	57.207	ug/l	99
40) Benzene	8.32	78	1154780	56.205	ug/l	99
41) Methacrylonitrile	7.48	41	123839	63.548	ug/l	91
42) 1,2-Dichloroethane	8.40	62	353602	56.490	ug/l	100
43) Isopropyl Acetate	8.42	43	375842	56.895	ug/l	100
44) Trichloroethene	9.09	130	236586	54.096	ug/l	96
45) 1,2-Dichloropropane	9.37	63	308810	55.811	ug/l	99
46) Dibromomethane	9.46	93	133618	55.537	ug/l	99
47) Bromodichloromethane	9.64	83	355673	55.372	ug/l	98
48) Methyl methacrylate	9.43	41	193453	56.732	ug/l	92
49) 1,4-Dioxane	9.45	88	41733	1132.952	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	998436	273.639	ug/l	98
52) Toluene	10.38	92	667801	56.579	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	355709	56.290	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	434066	56.387	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	180260	54.679	ug/l	97
56) Ethyl methacrylate	10.64	69	249388	52.361	ug/l	98
57) 1,3-Dichloropropane	10.93	76	354235	56.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	732218	293.369	ug/l	99
59) 2-Hexanone	10.96	43	691029	274.686	ug/l	98
60) Dibromochloromethane	11.13	129	189537	55.666	ug/l	99
61) 1,2-Dibromoethane	11.23	107	161345	55.206	ug/l	100
64) Tetrachloroethene	10.86	164	176960	52.652	ug/l	96
65) Chlorobenzene	11.65	112	628965	53.806	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	212307	54.540	ug/l	99
67) Ethyl Benzene	11.73	91	1297424	57.037	ug/l	100
68) m/p-Xylenes	11.83	106	915451	113.840	ug/l	100
69) o-Xylene	12.16	106	412336	56.922	ug/l	99
70) Styrene	12.18	104	726260	58.512	ug/l	99
71) Bromoform	12.35	173	94356	54.620	ug/l #	98
73) Isopropylbenzene	12.46	105	1166395	57.616	ug/l	100
74) N-amyl acetate	12.27	43	348106	51.797	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	226600	55.122	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	303518	101.334	ug/l #	100
77) Bromobenzene	12.74	156	221834	55.440	ug/l	98
78) n-propylbenzene	12.80	91	1544376	58.700	ug/l	99
79) 2-Chlorotoluene	12.89	91	840258	56.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1000332	57.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	73504	55.428	ug/l	95
82) 4-Chlorotoluene	12.99	91	894970	56.813	ug/l	100
83) tert-Butylbenzene	13.20	119	810727	57.493	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1009661	58.011	ug/l	98
85) sec-Butylbenzene	13.38	105	1243039	58.246	ug/l	100
86) p-Isopropyltoluene	13.49	119	1066183	58.121	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	467354	55.125	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	455415	54.554	ug/l	99
89) n-Butylbenzene	13.82	91	1161730	58.723	ug/l	99
90) Hexachloroethane	14.09	117	198189	53.871	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	408053	54.954	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	36890	55.883	ug/l	97

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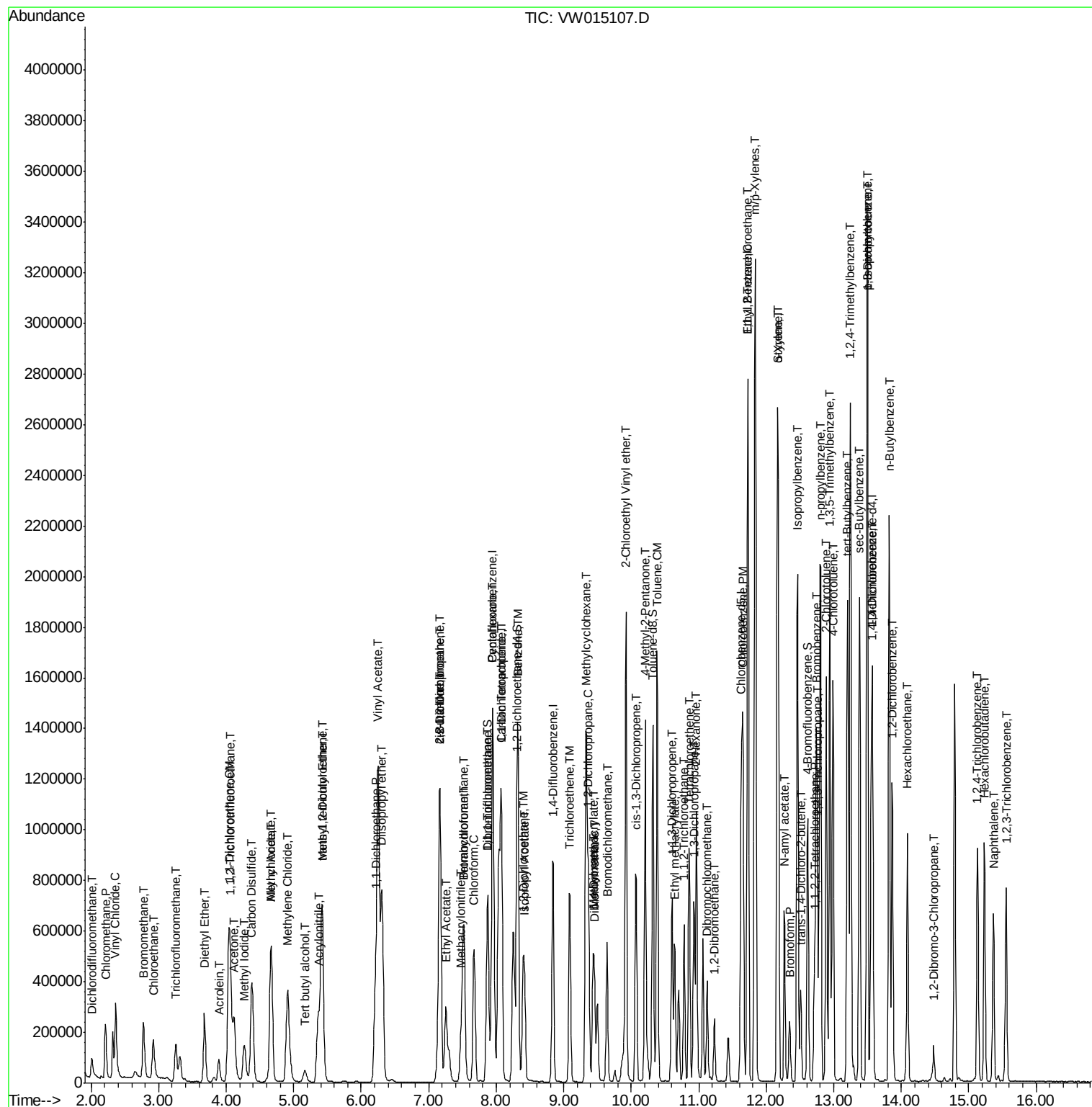
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	249692	58.763	ug/l	100
94) Hexachlorobutadiene	15.23	225	143355	53.735	ug/l	99
95) Naphthalene	15.36	128	497281	53.293	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	222370	59.003	ug/l	99

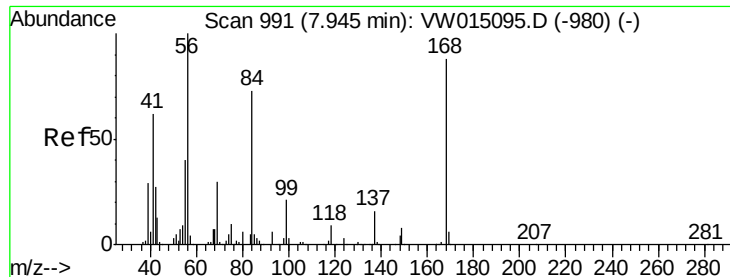
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 11 08:52:10 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

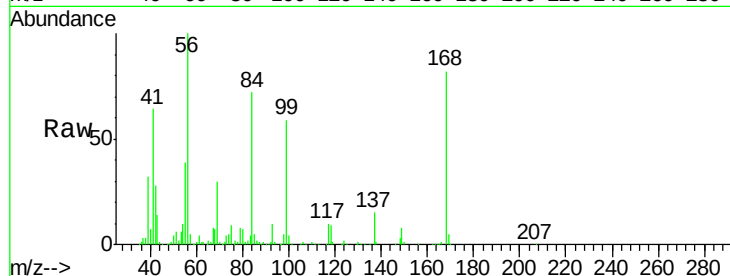
ClientSampleId :

Tot Ion:168 Resp: 355291

Ion Ratio Lower Upper

168 100

99 72.6 57.2 85.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

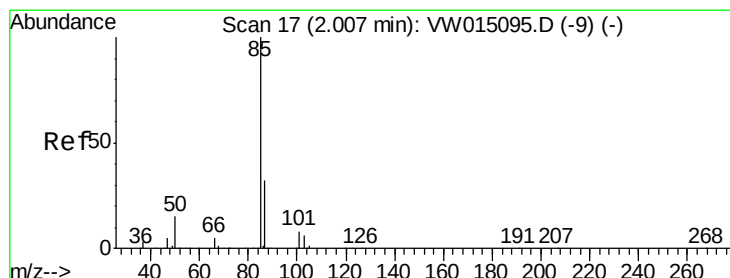
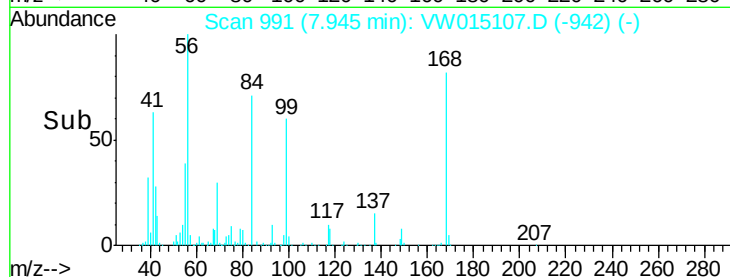
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 55.844 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015107.D

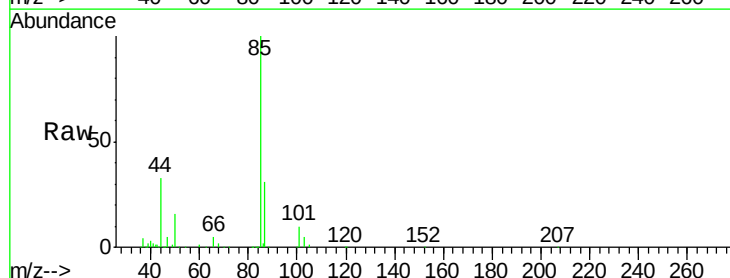
Acq: 10 Mar 2020 10:46

Tgt Ion: 85 Resp: 120309

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

50000

40000

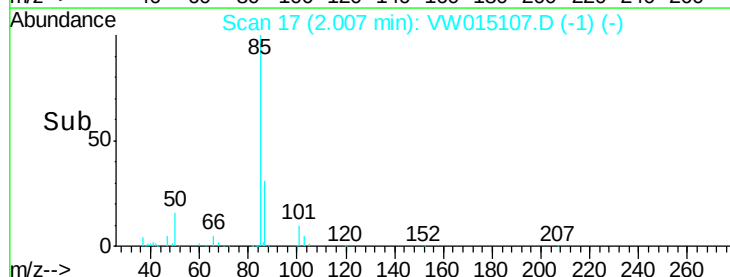
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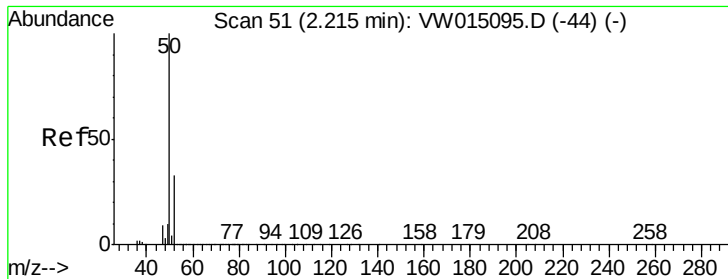
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 50.883 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

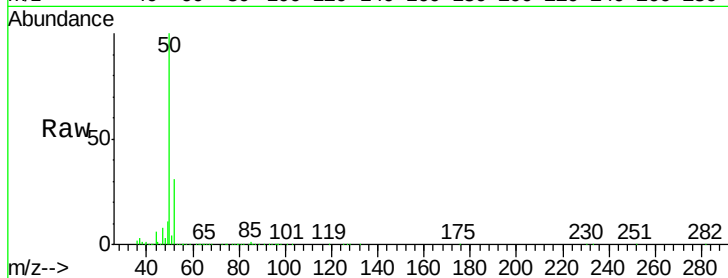
ClientSampled :

Tot Ion: 50 Resp: 235239

Ion Ratio Lower Upper

50 100

52 31.0 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

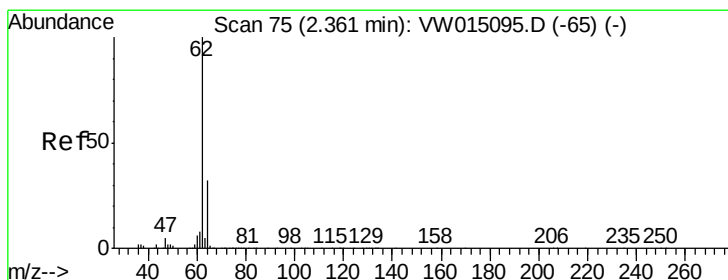
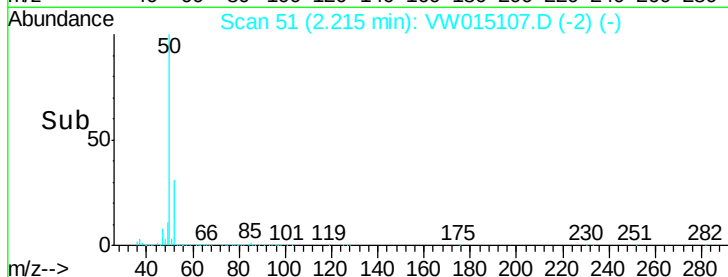
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 51.961 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015107.D

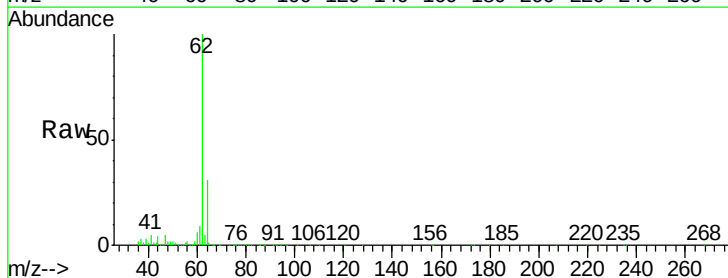
Acq: 10 Mar 2020 10:46

Tgt Ion: 62 Resp: 314490

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

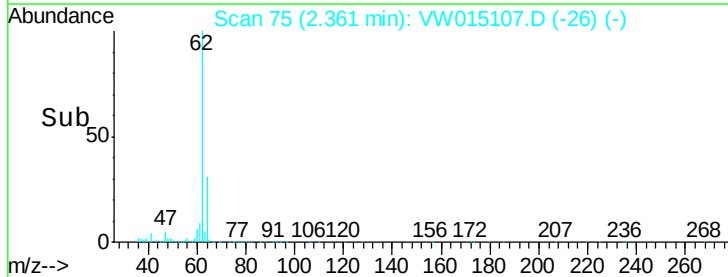
150000

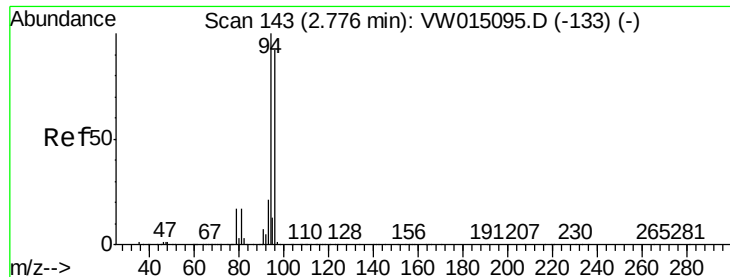
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.800 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

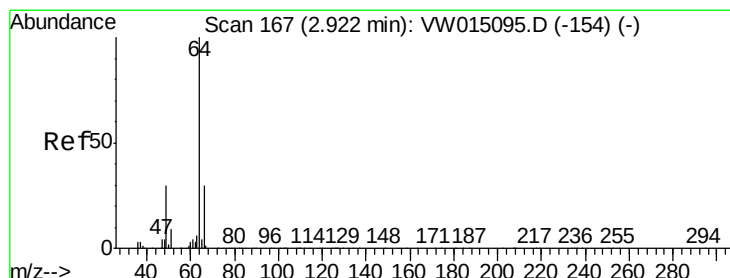
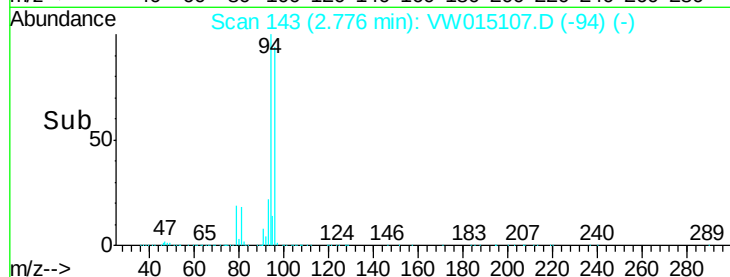
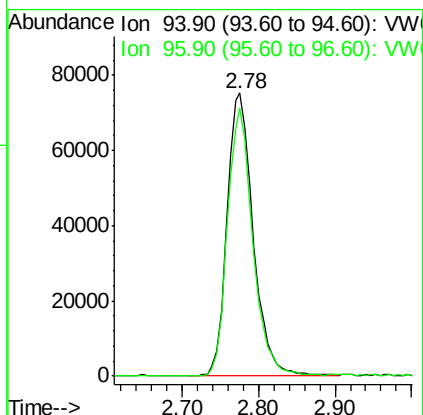
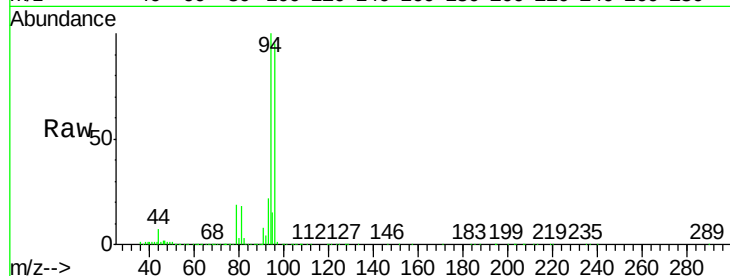
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 175751

Ion Ratio Lower Upper

94 100

96 94.7 74.0 111.0



#6

Chloroethane

Concen: 54.180 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW015107.D

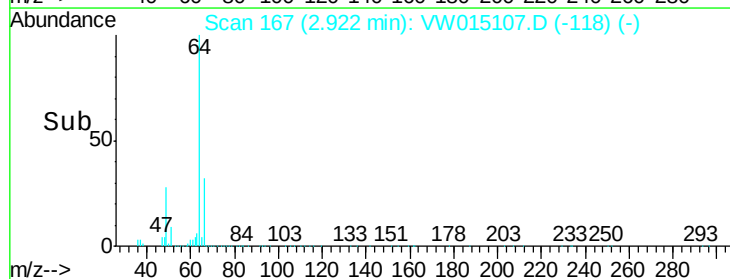
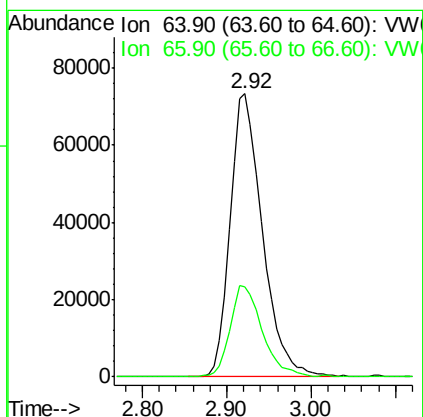
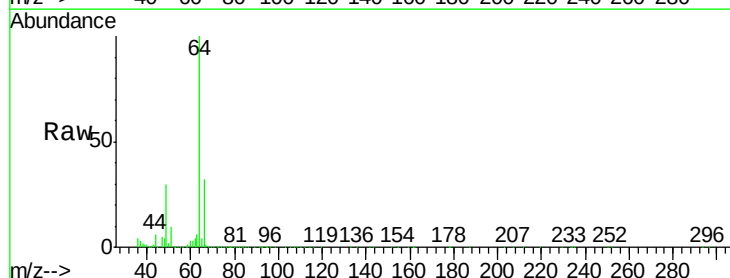
Acq: 10 Mar 2020 10:46

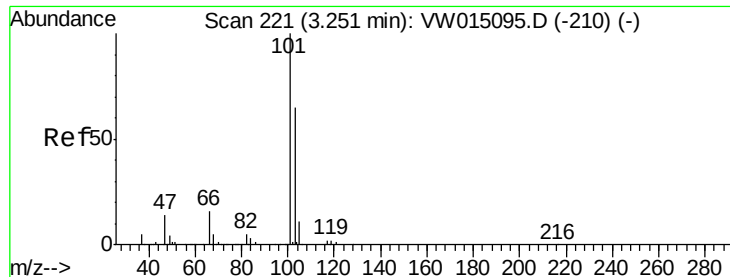
Tgt Ion: 64 Resp: 189937

Ion Ratio Lower Upper

64 100

66 31.9 24.2 36.2



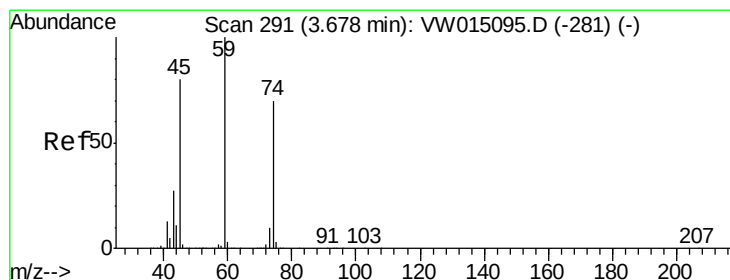
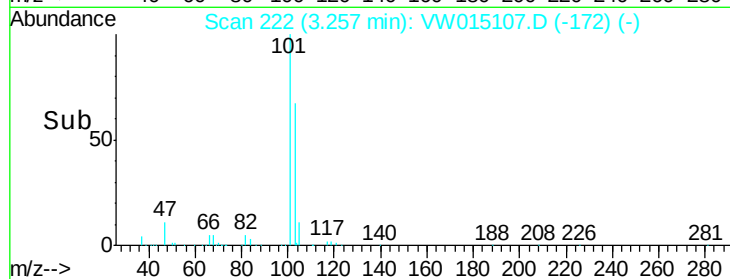
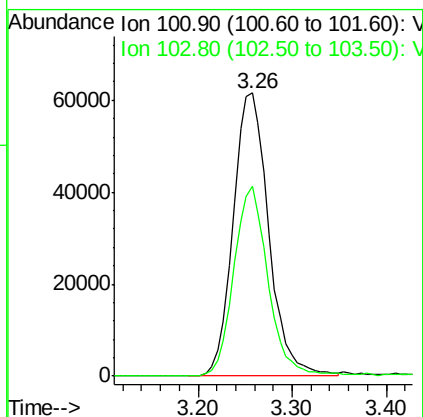
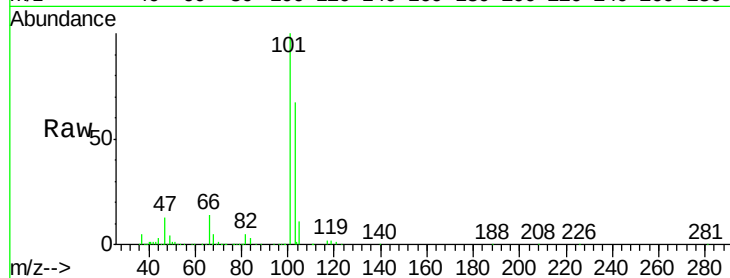


#7

Trichlorofluoromethane
Concen: 53.507 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Instrument :
MSVOA_W
ClientSampled :

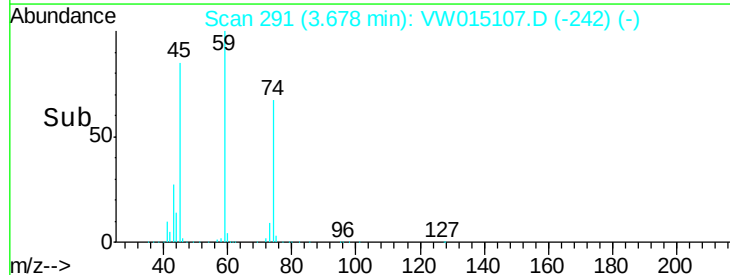
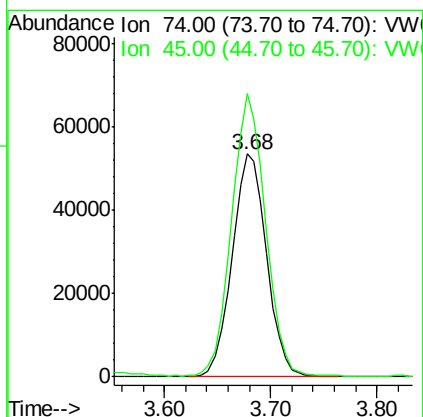
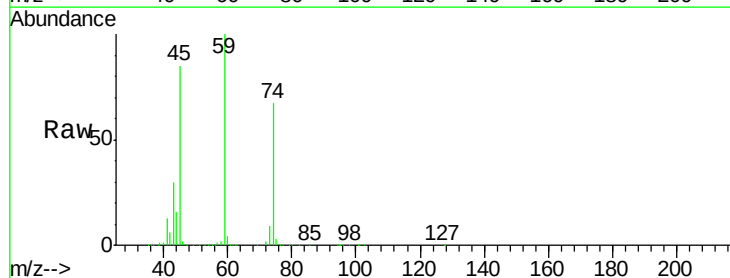
Tot Ion:101 Resp: 162063
Ion Ratio Lower Upper
101 100
103 66.9 51.8 77.6

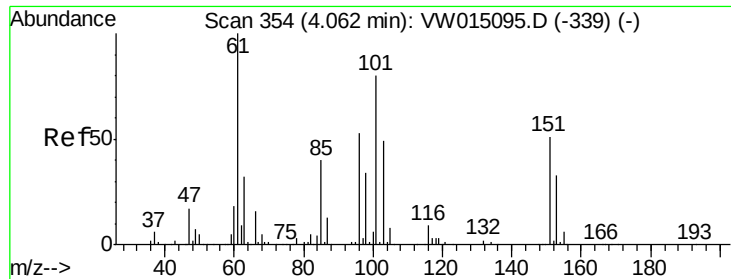


#8

Diethyl Ether
Concen: 52.573 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 74 Resp: 121332
Ion Ratio Lower Upper
74 100
45 124.4 59.2 177.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.875 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

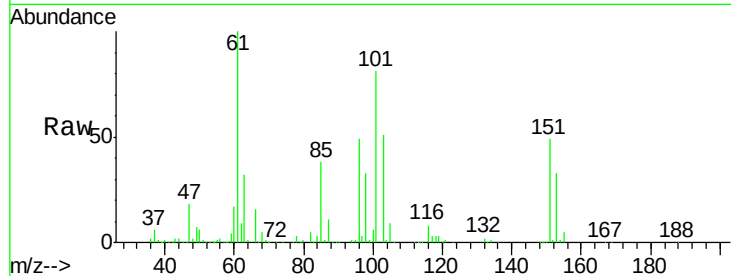
Tot Ion:101 Resp: 248751

Ion Ratio Lower Upper

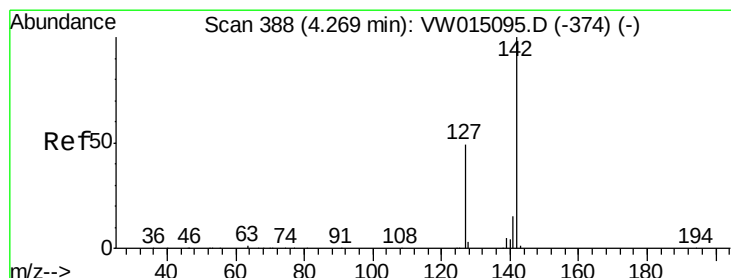
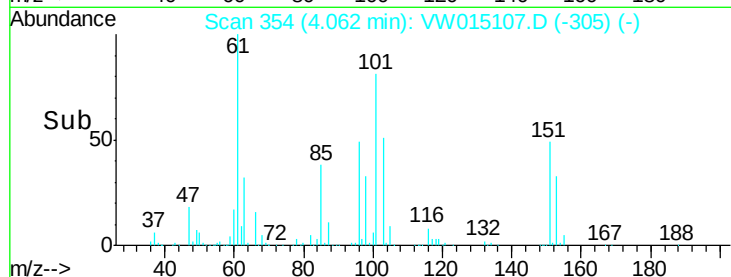
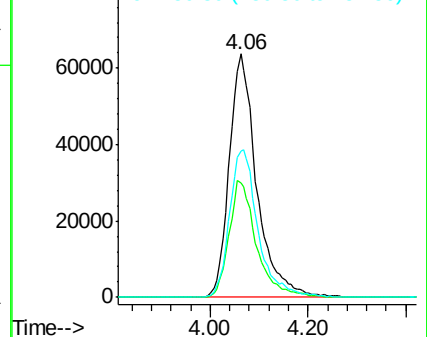
101 100

85 47.7 39.0 58.4

151 62.8 50.8 76.2



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



#10

Methyl Iodide

Concen: 52.107 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

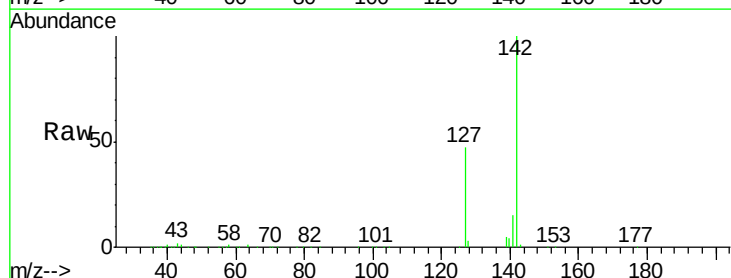
Tgt Ion:142 Resp: 267650

Ion Ratio Lower Upper

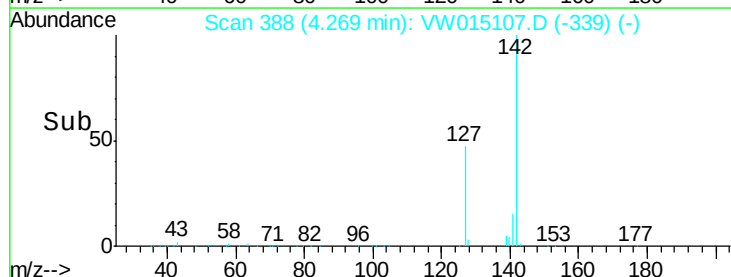
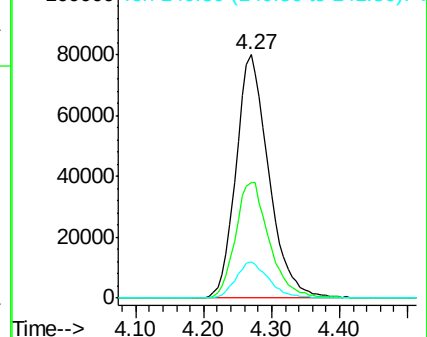
142 100

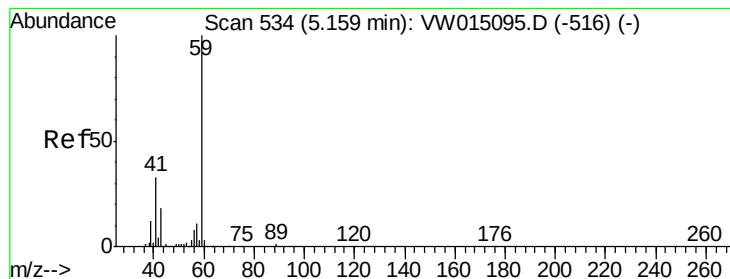
127 49.4 38.2 57.4

141 15.0 12.0 18.0



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: 249.066 ug/l

RT: 5.16 min Scan# 534

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

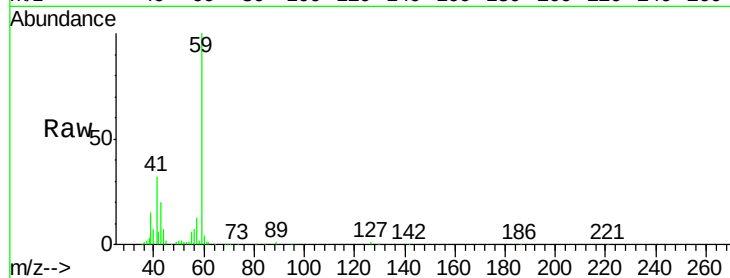
ClientSampled :

Tot Ion: 59 Resp: 74778

Ion Ratio Lower Upper

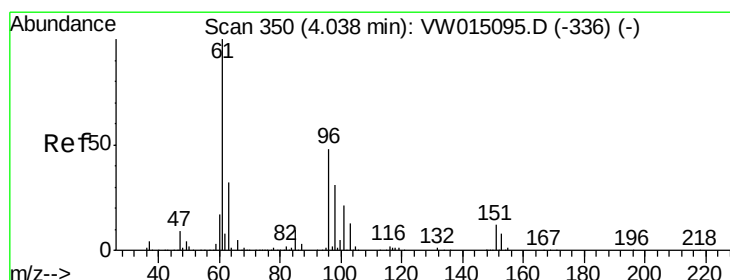
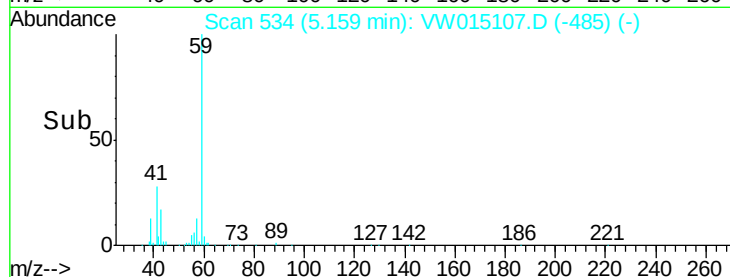
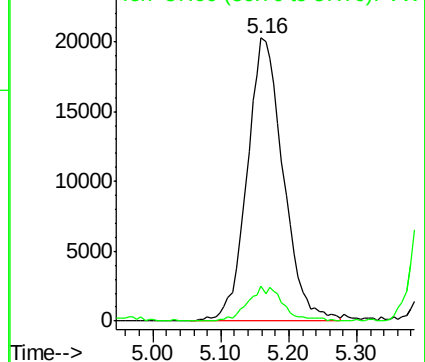
59 100

57 12.0 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 53.516 ug/l

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

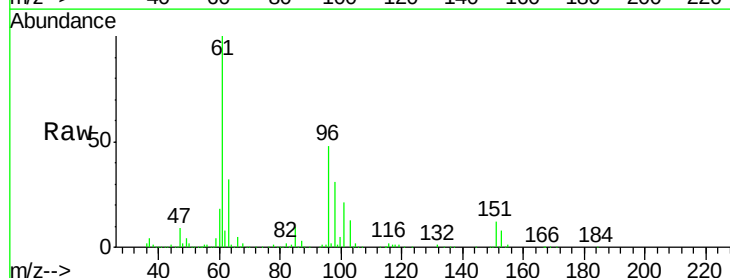
Tgt Ion: 96 Resp: 241585

Ion Ratio Lower Upper

96 100

61 208.5 165.5 248.3

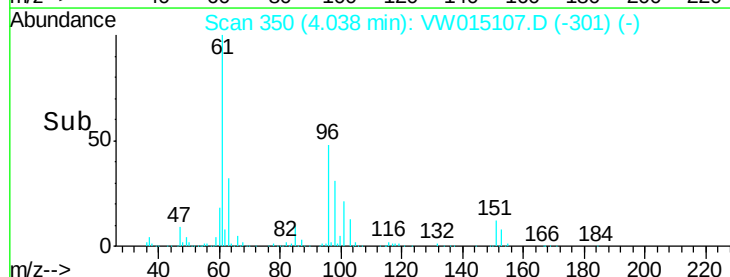
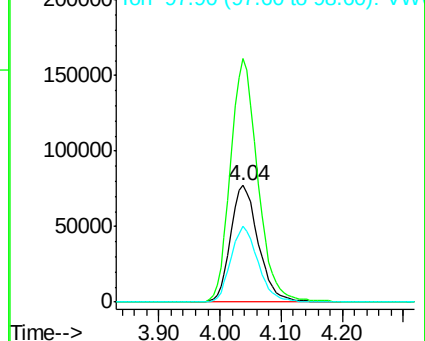
98 65.5 51.1 76.7

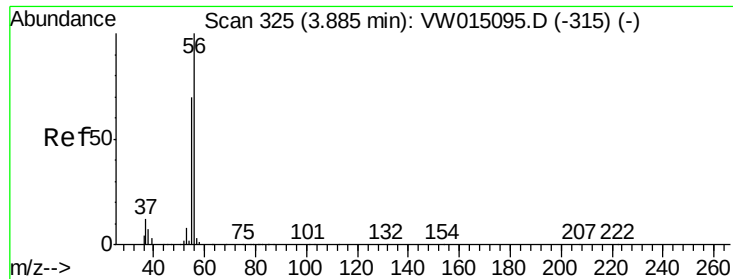


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 235.619 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

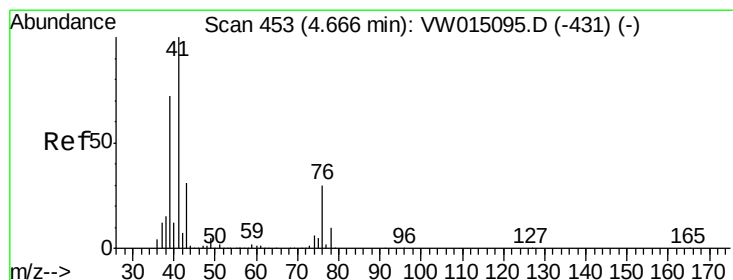
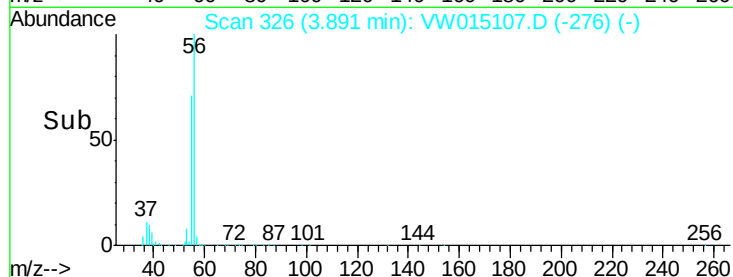
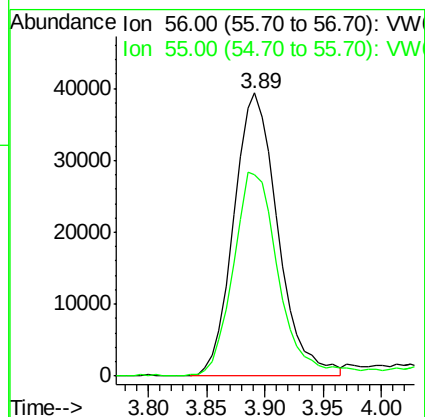
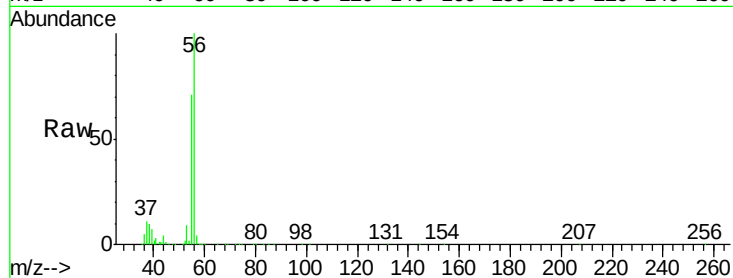
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 103459

Ion Ratio Lower Upper

56 100

55 73.8 55.4 83.2



#14

Allyl chloride

Concen: 55.042 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

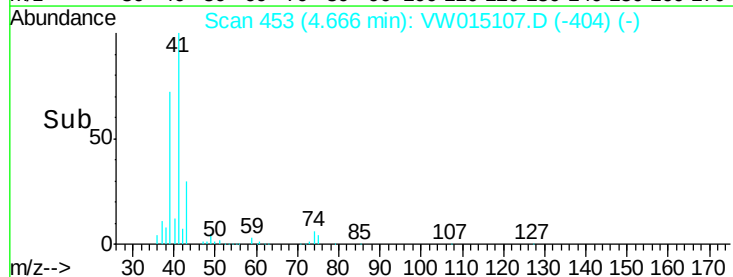
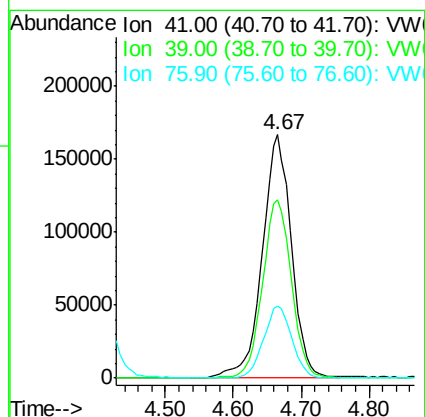
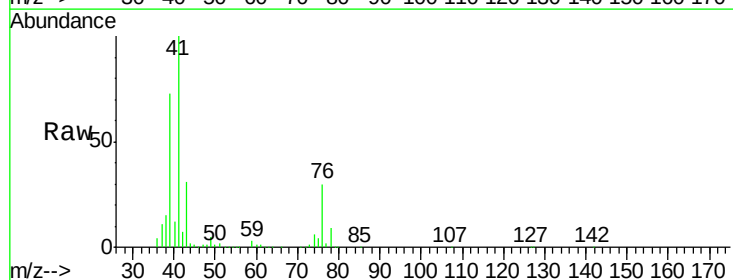
Tgt Ion: 41 Resp: 497939

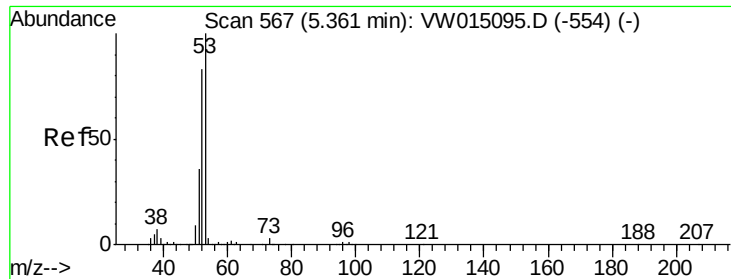
Ion Ratio Lower Upper

41 100

39 72.5 56.9 85.3

76 28.5 23.2 34.8





#15

Acrylonitrile

Concen: 277.229 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

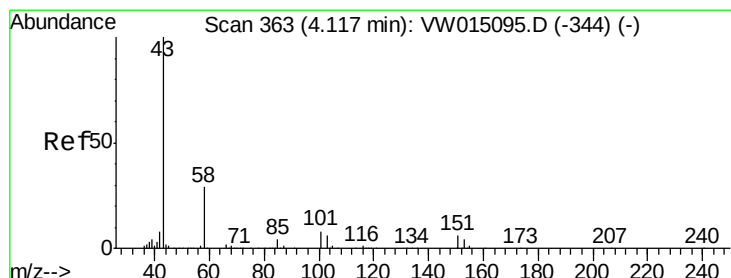
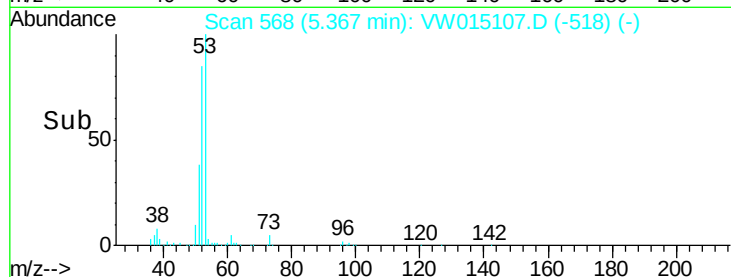
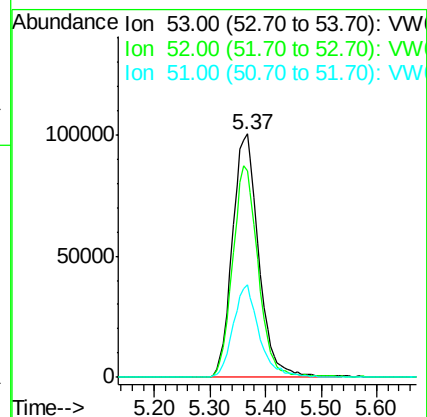
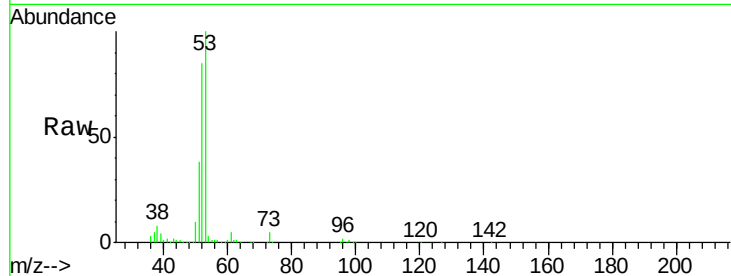
Tot Ion: 53 Resp: 327960

Ion Ratio Lower Upper

53 100

52 83.9 67.2 100.8

51 37.3 29.8 44.6



#16

Acetone

Concen: 289.506 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW015107.D

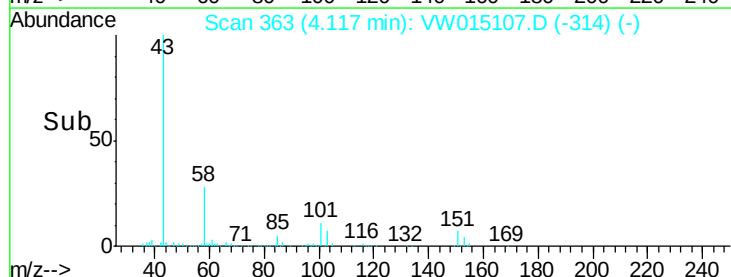
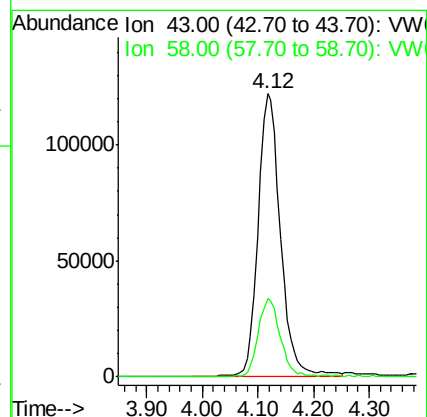
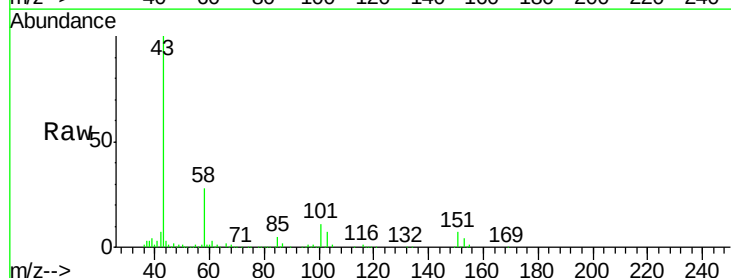
Acq: 10 Mar 2020 10:46

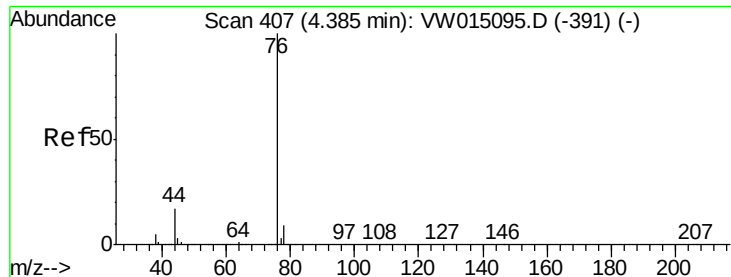
Tgt Ion: 43 Resp: 344921

Ion Ratio Lower Upper

43 100

58 27.6 22.9 34.3





#17

Carbon Disulfide

Concen: 53.625 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

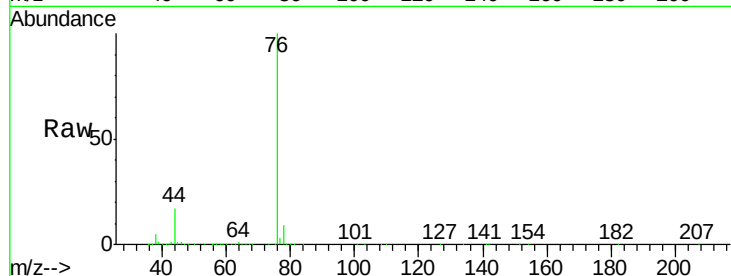
ClientSampleId :

Tot Ion: 76 Resp: 858282

Ion Ratio Lower Upper

76 100

78 9.5 6.9 10.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300000

250000

200000

150000

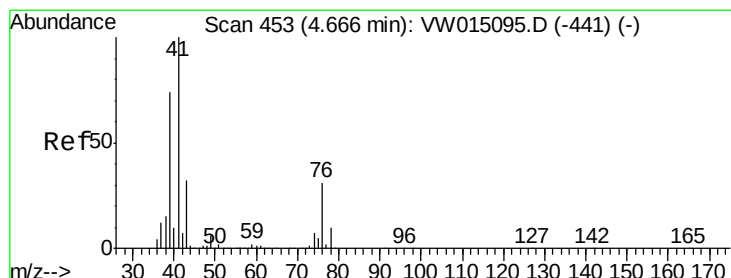
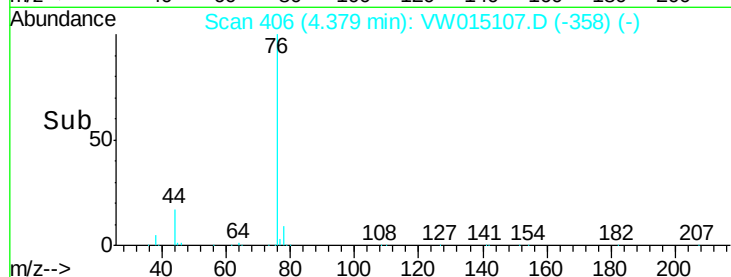
100000

50000

0

4.20 4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 54.488 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW015107.D

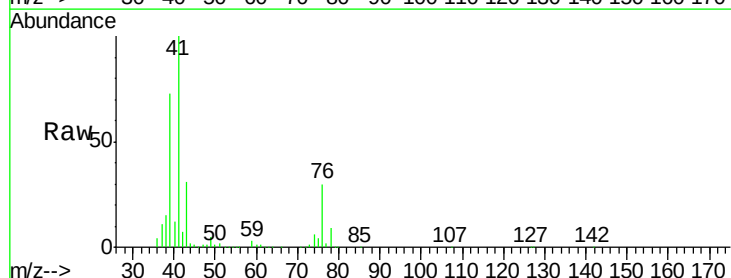
Acq: 10 Mar 2020 10:46

Tgt Ion: 43 Resp: 153886

Ion Ratio Lower Upper

43 100

74 19.3 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

60000

50000

40000

30000

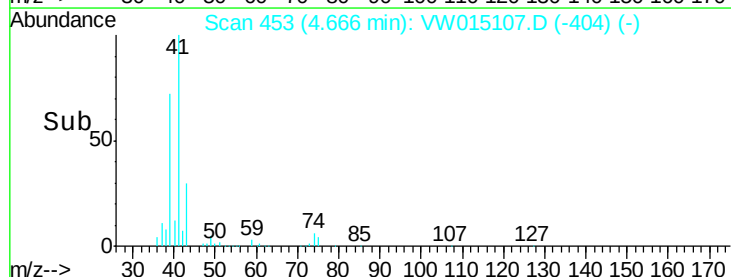
20000

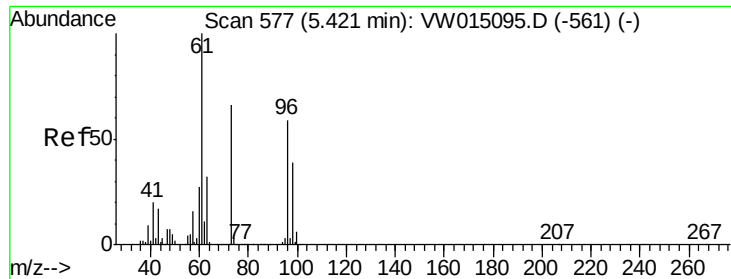
10000

0

4.50 4.60 4.70 4.80

Time-->

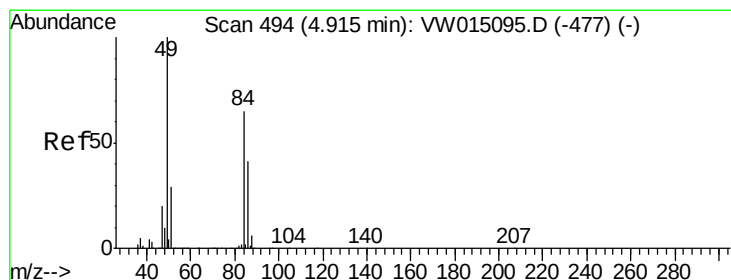
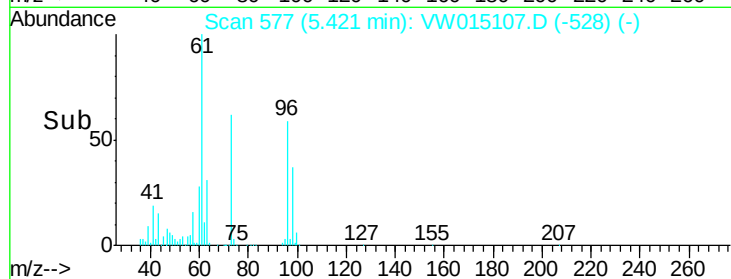
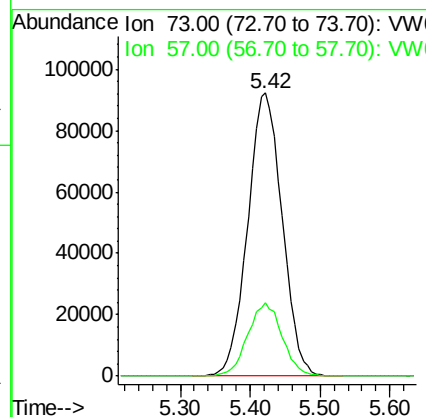
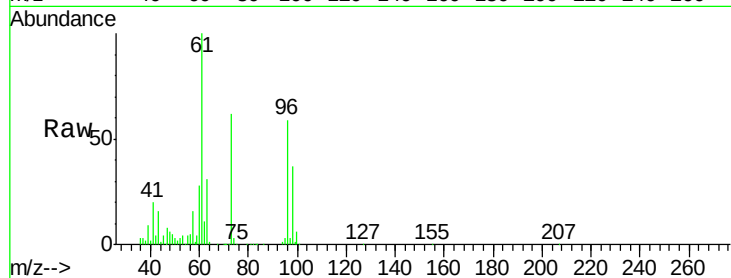




#19
Methyl tert-butyl Ether
Concen: 54.638 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

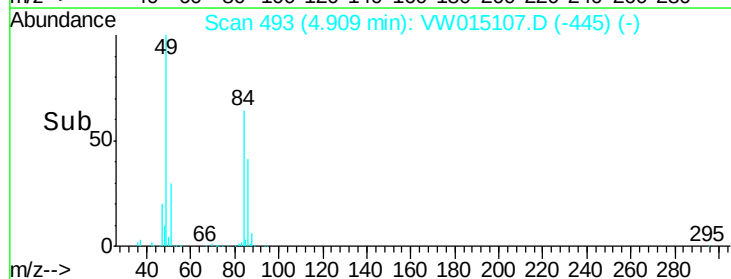
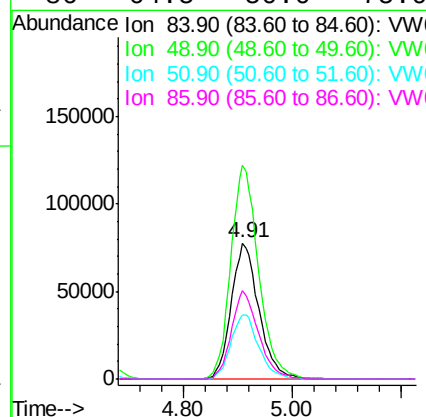
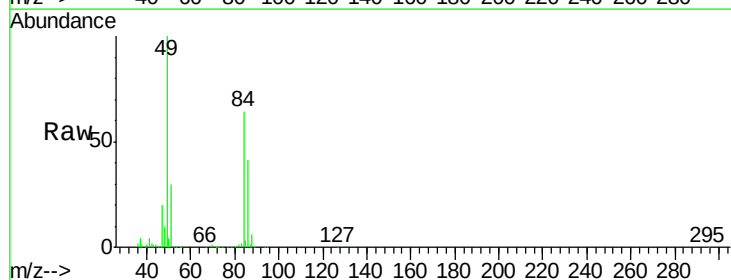
Instrument :
MSVOA_W
ClientSampled :

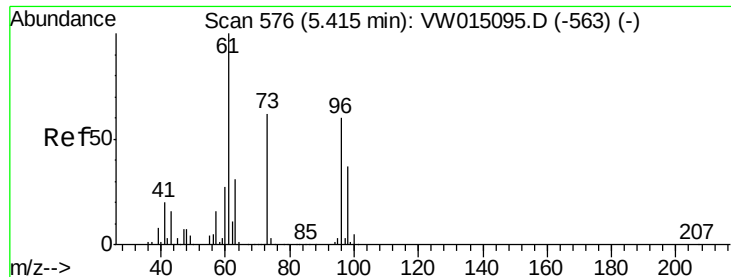
Tot Ion: 73 Resp: 315746
Ion Ratio Lower Upper
73 100
57 26.0 19.3 28.9



#20
Methylene Chloride
Concen: 56.911 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 84 Resp: 274160
Ion Ratio Lower Upper
84 100
49 156.7 122.8 184.2
51 47.0 35.9 53.9
86 64.5 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 54.811 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

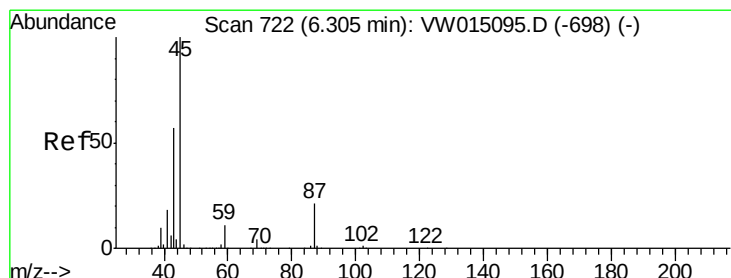
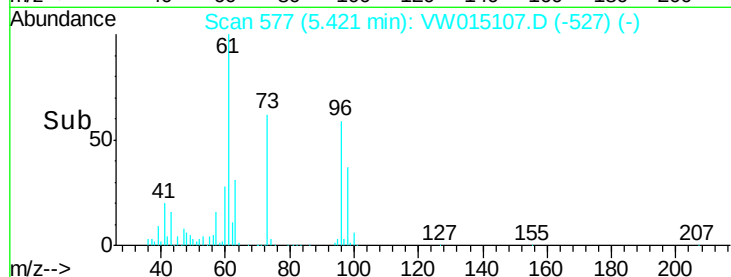
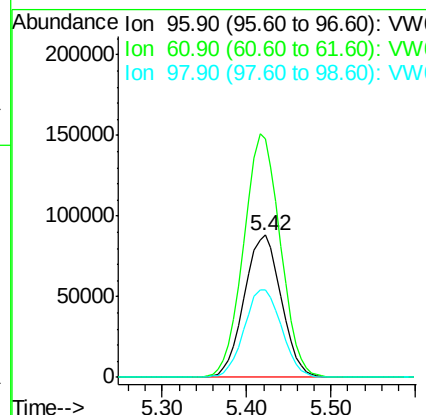
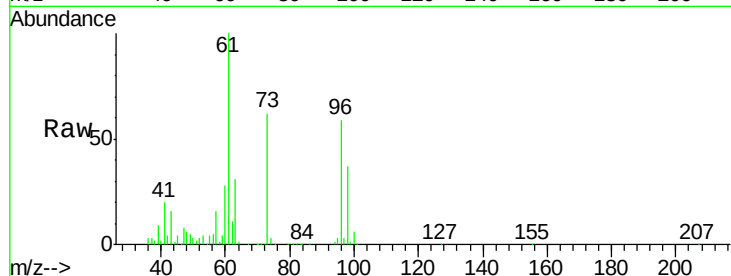
Tot Ion: 96 Resp: 262700

Ion Ratio Lower Upper

96 100

61 168.2 132.5 198.7

98 61.6 48.9 73.3



#22

Diisopropyl ether

Concen: 56.769 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Tgt Ion: 45 Resp: 985413

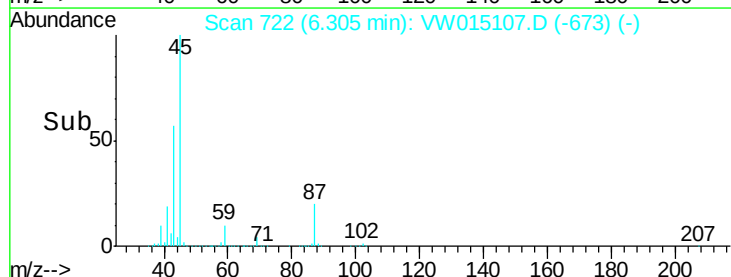
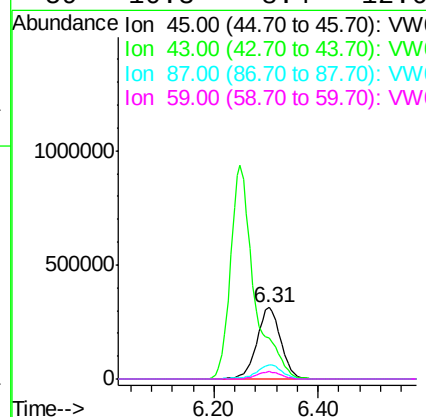
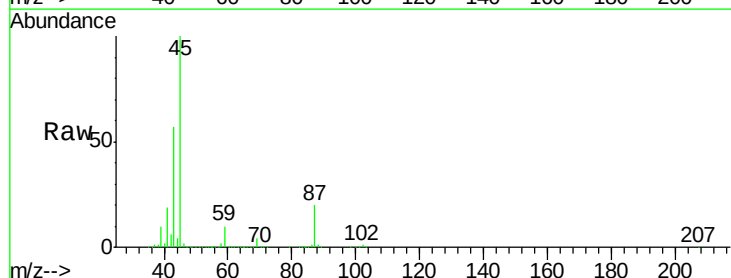
Ion Ratio Lower Upper

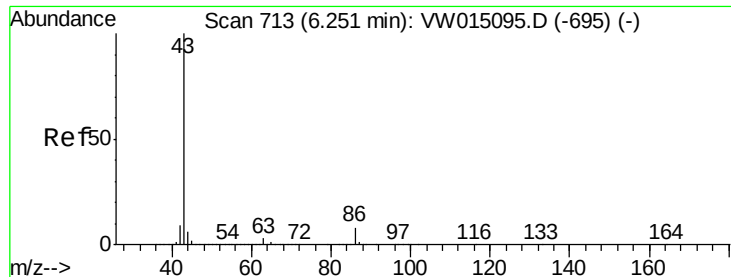
45 100

43 57.5 45.4 68.0

87 20.4 16.4 24.6

59 10.3 8.4 12.6





#23

Vinyl Acetate

Concen: 291.226 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

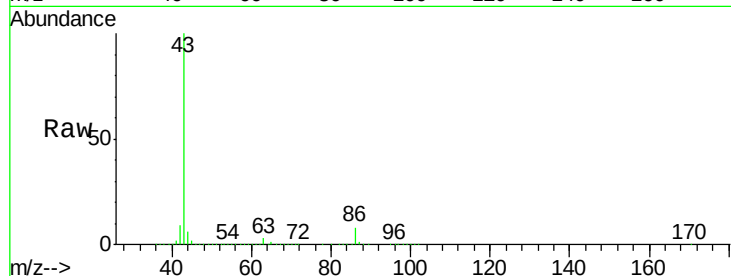
ClientSampled :

Tot Ion: 43 Resp: 2984152

Ion Ratio Lower Upper

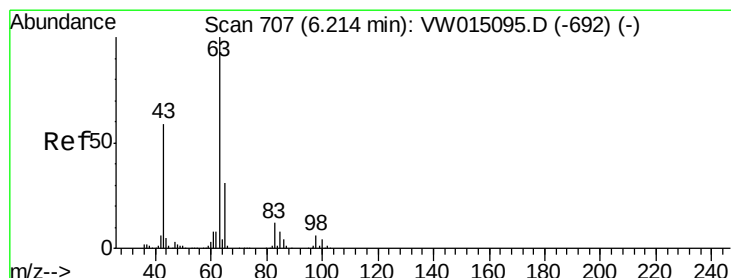
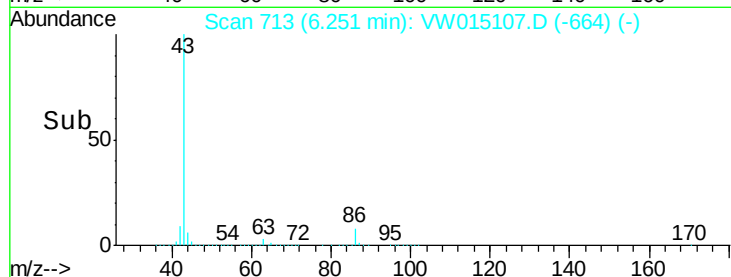
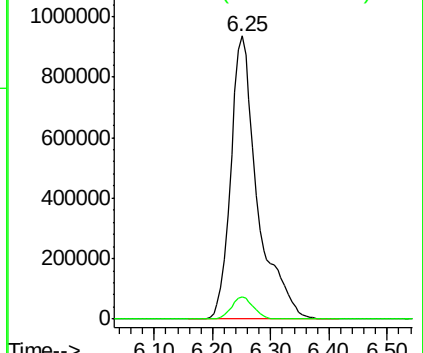
43 100

86 7.8 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.956 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

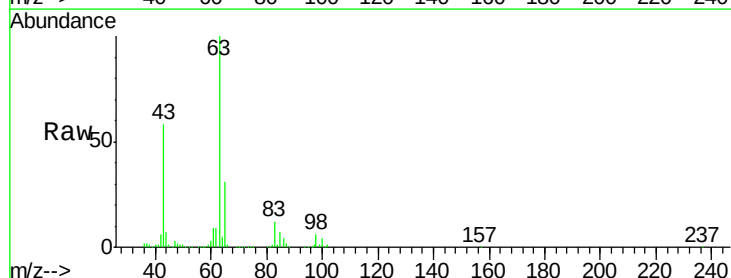
Tgt Ion: 63 Resp: 546164

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

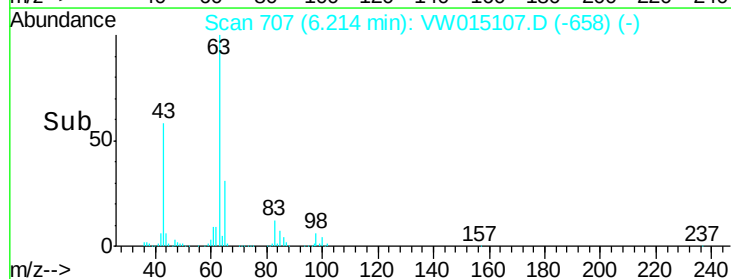
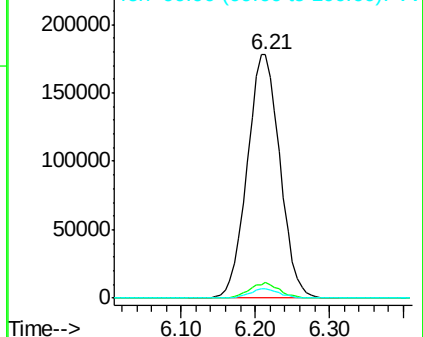
100 3.7 2.1 6.3

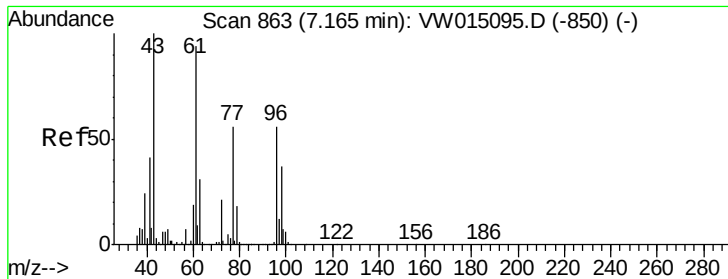


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 287.291 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

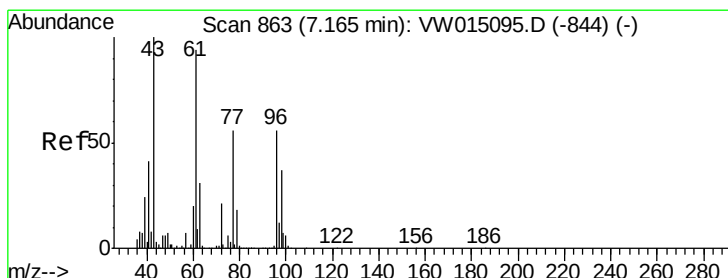
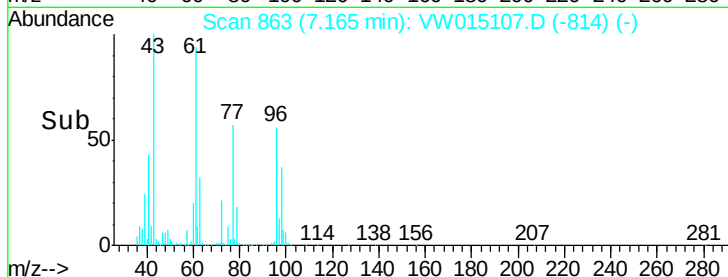
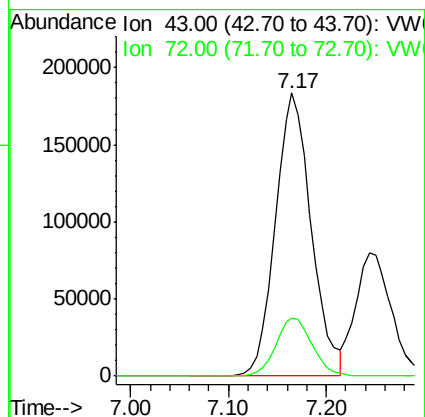
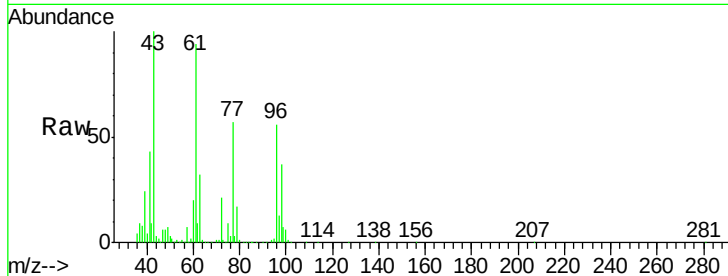
ClientSampleId :

Tot Ion: 43 Resp: 469231

Ion Ratio Lower Upper

43 100

72 20.6 17.0 25.6



#26

2,2-Dichloropropane

Concen: 53.296 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW015107.D

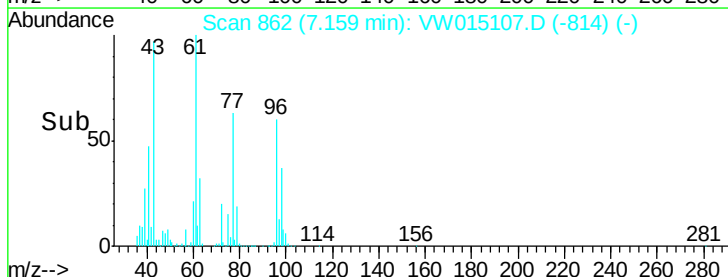
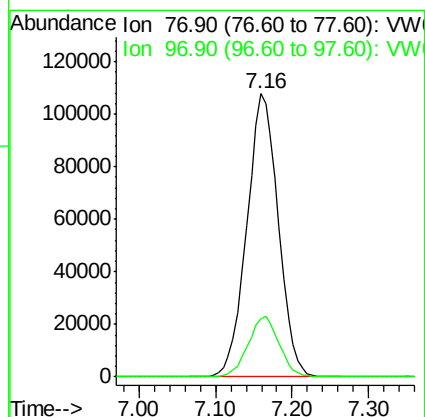
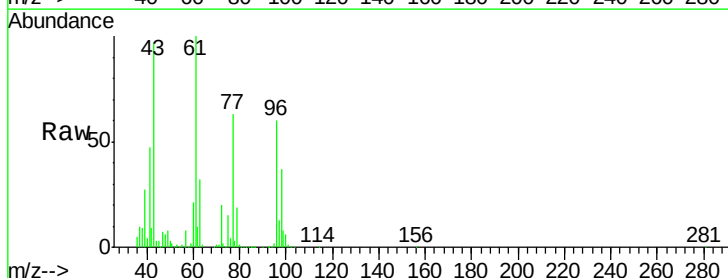
Acq: 10 Mar 2020 10:46

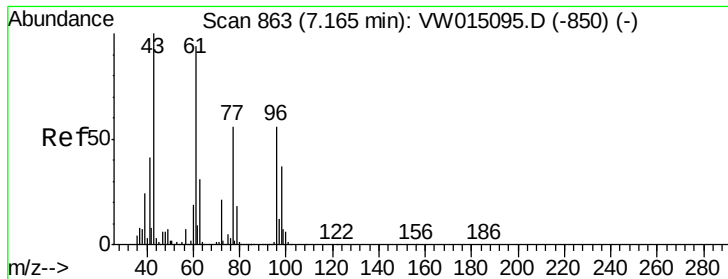
Tgt Ion: 77 Resp: 308547

Ion Ratio Lower Upper

77 100

97 21.0 10.6 31.8



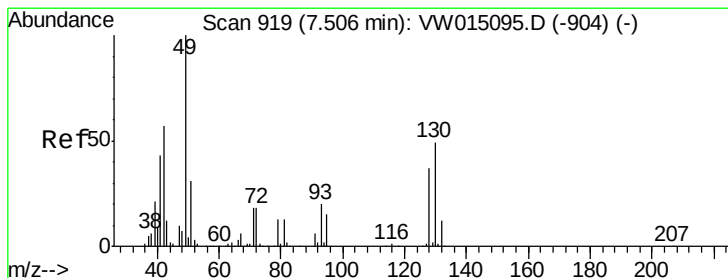
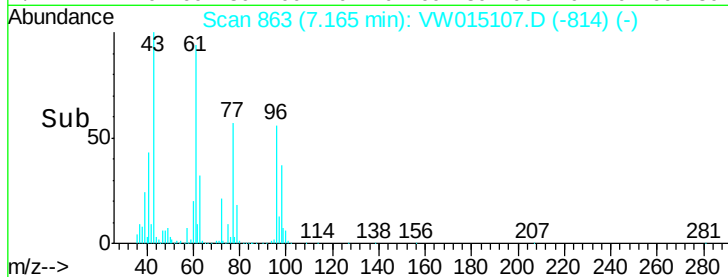
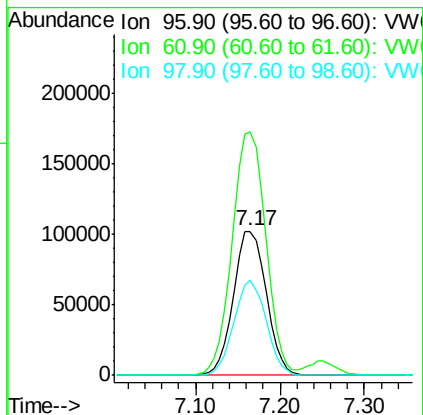
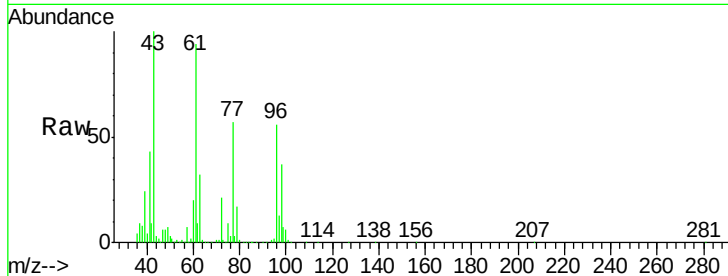


#27

cis-1,2-Dichloroethene
Concen: 54.250 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Instrument :
MSVOA_W
ClientSampleId :

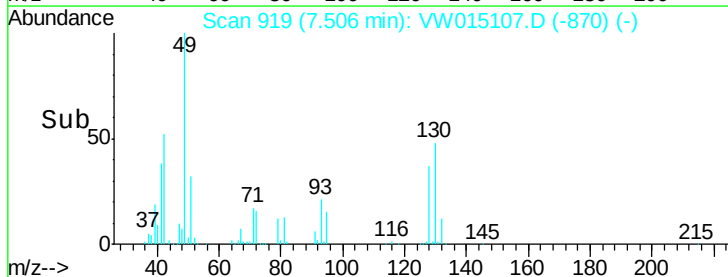
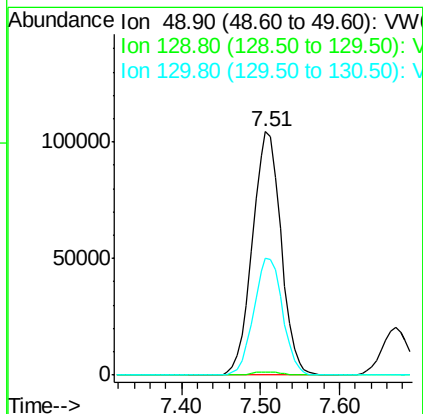
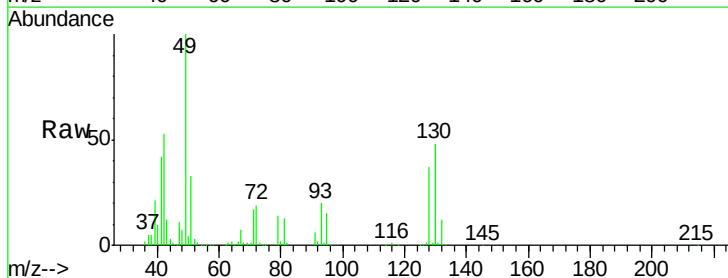
Tot Ion	96	Resp	270698
Ion Ratio	Lower	Upper	
96	100		
61	173.1	0.0	343.4
98	64.7	0.0	127.6

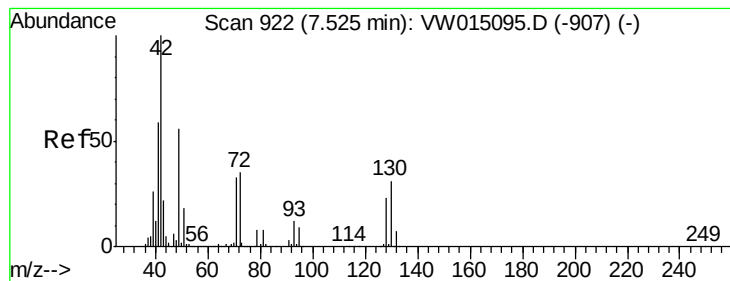


#28

Bromochloromethane
Concen: 54.268 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion	49	Resp	263215
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.0
130	48.3	39.8	59.6





#29

Tetrahydrofuran

Concen: 284.993 ug/l

RT: 7.52 min Scan# 922

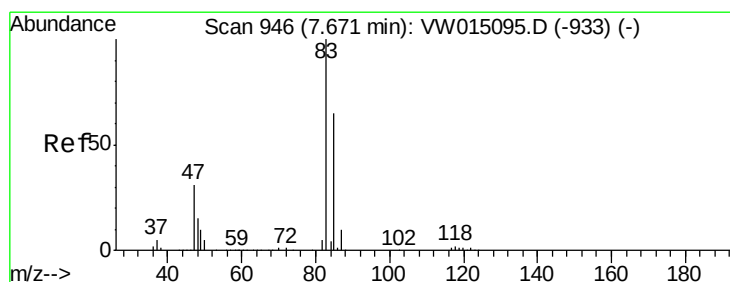
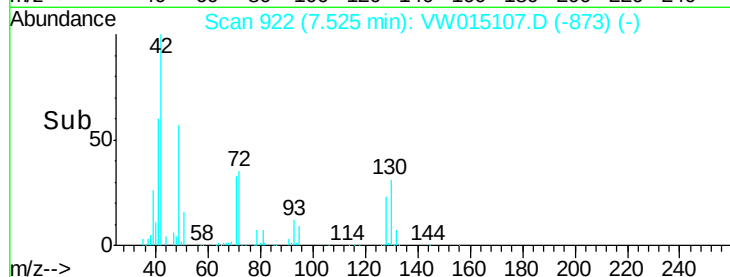
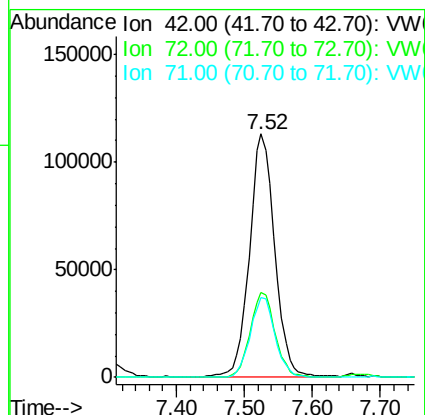
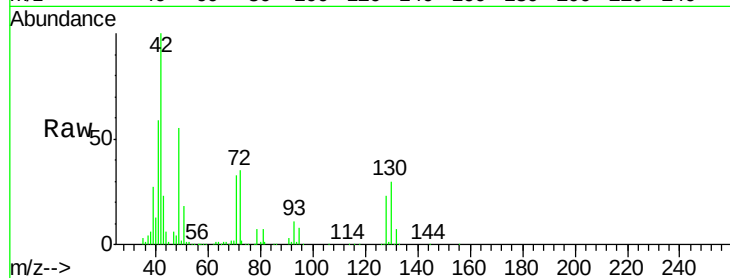
Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	42	Resp:	291155
Ion	Ratio	Lower	Upper
42	100		
72	34.5	27.8	41.6
71	32.4	26.4	39.6



#30

Chloroform

Concen: 53.655 ug/l

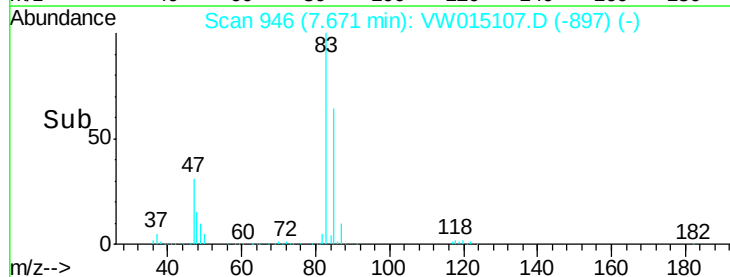
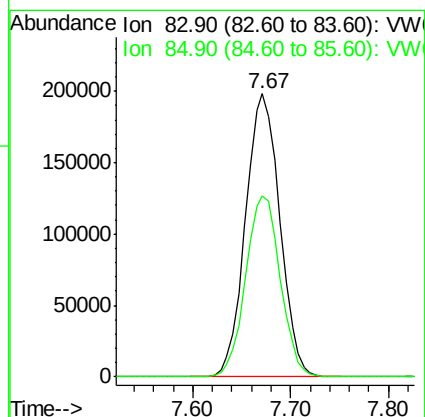
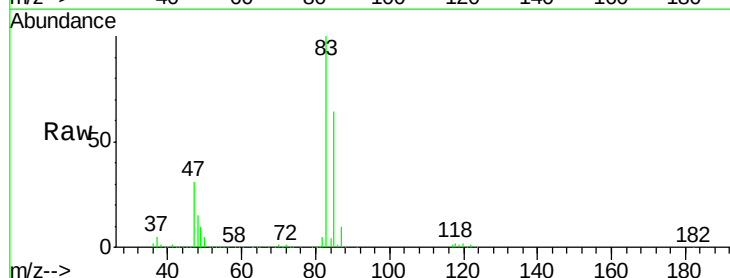
RT: 7.67 min Scan# 946

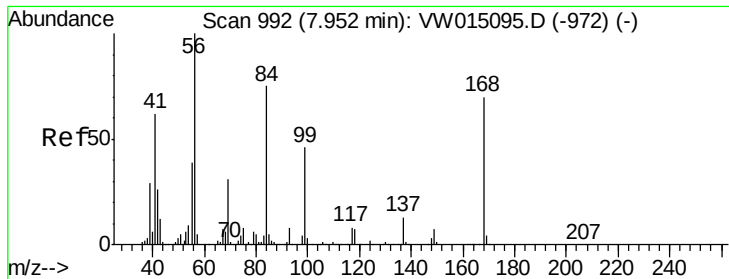
Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Tgt Ion:	83	Resp:	481972
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9

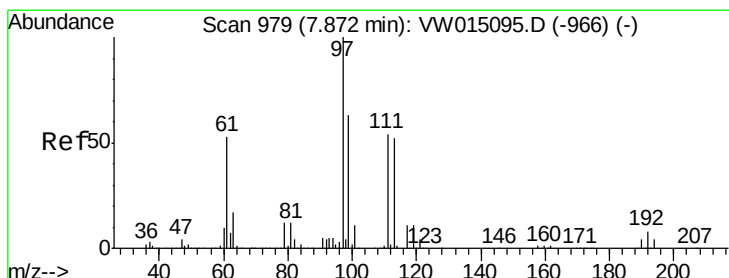
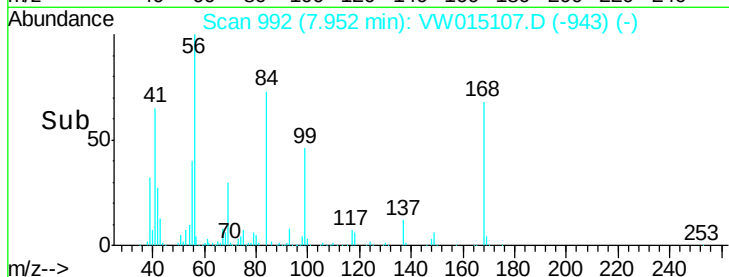
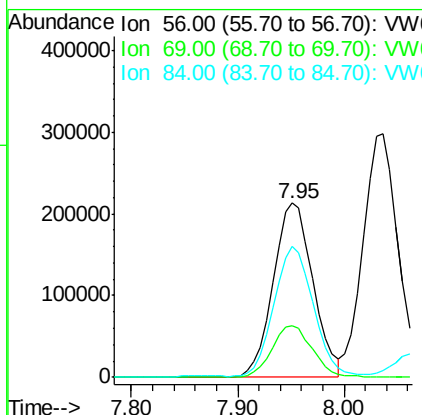
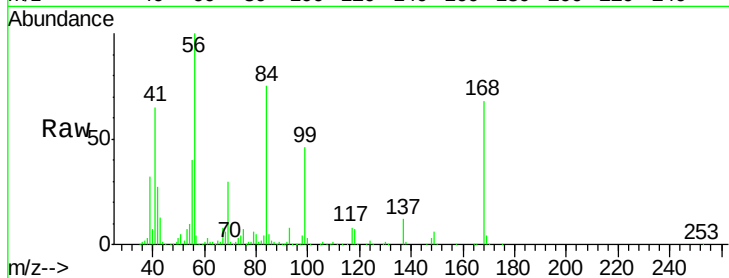




#31
Cyclohexane
Concen: 52.799 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

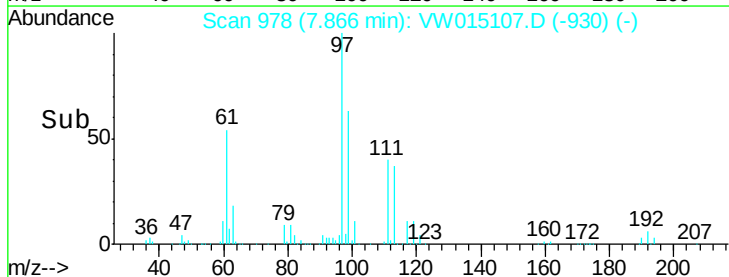
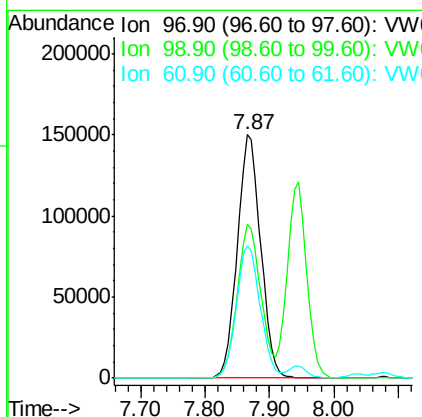
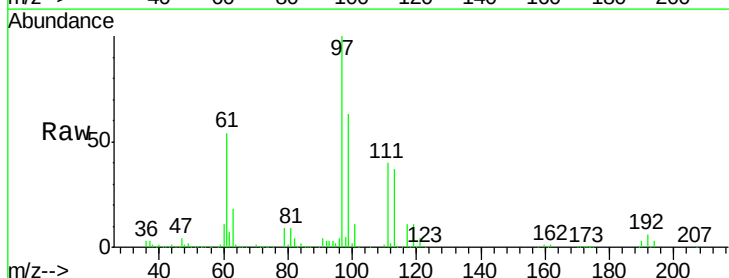
Instrument :
MSVOA_W
ClientSampleId :

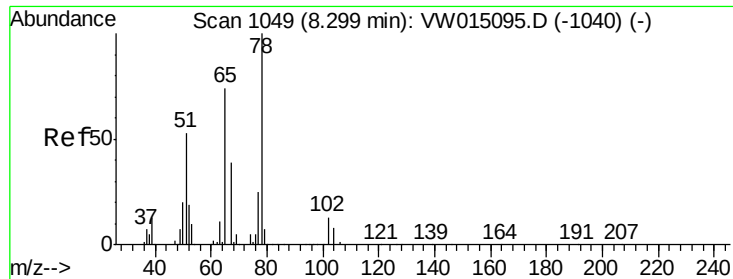
Tot Ion: 56 Resp: 549679
Ion Ratio Lower Upper
56 100
69 30.0 24.6 37.0
84 74.3 59.9 89.9



#32
1,1,1-Trichloroethane
Concen: 53.739 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 97 Resp: 376919
Ion Ratio Lower Upper
97 100
99 64.3 51.3 76.9
61 55.3 44.0 66.0

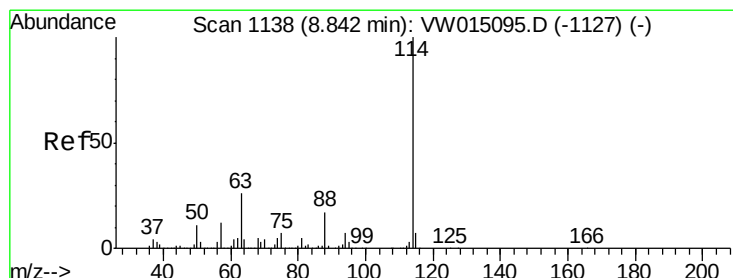
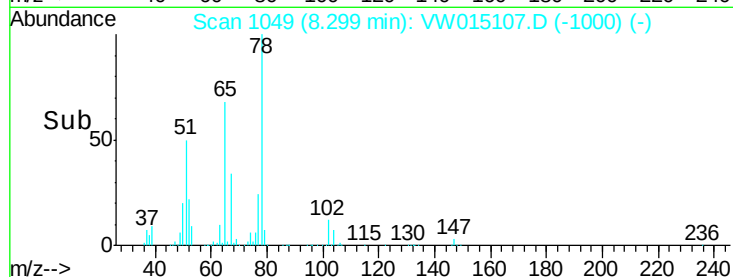
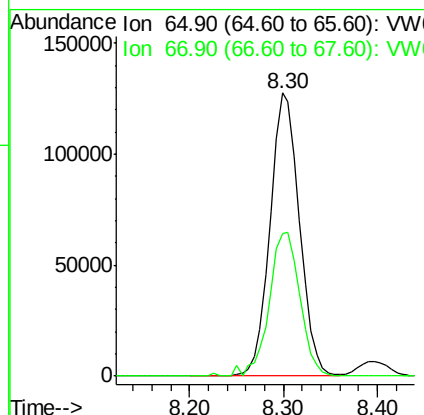
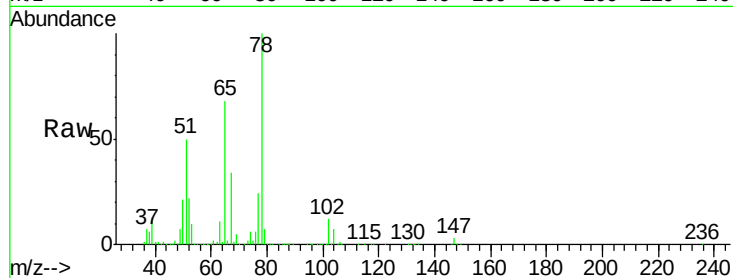




#33
 1,2-Dichloroethane-d4
 Concen: 53.314 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

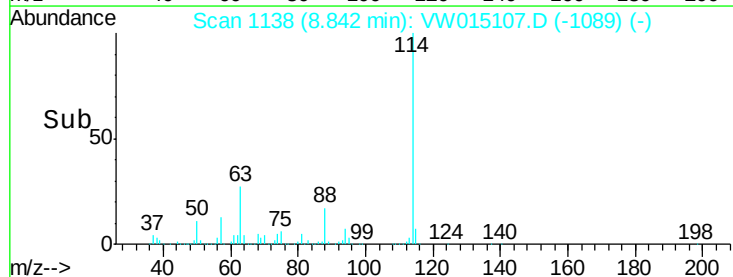
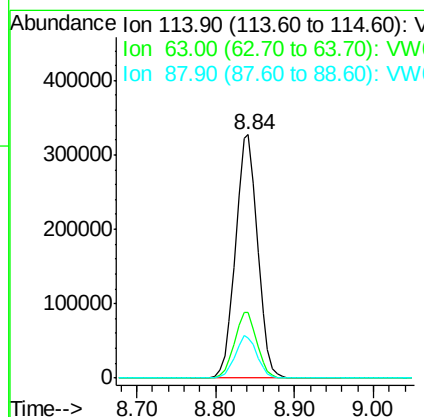
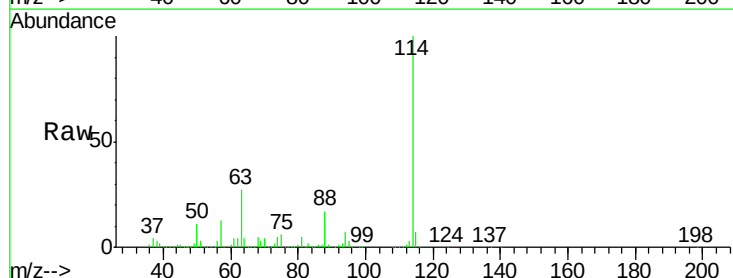
Instrument :
 MSVOA_W
 ClientSampled :

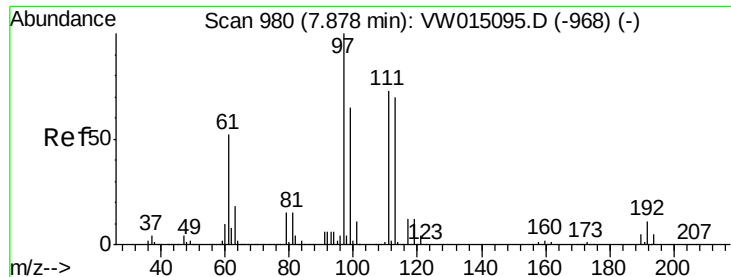
Tot Ion: 65 Resp: 278522
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 114 Resp: 637521
 Ion Ratio Lower Upper
 114 100
 63 26.9 0.0 52.0
 88 16.6 0.0 34.2

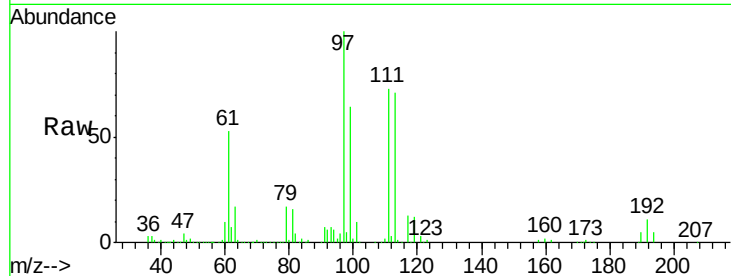




#35
 Dibromofluoromethane
 Concen: 53.724 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.6	125.4
192	15.7	12.4	18.6

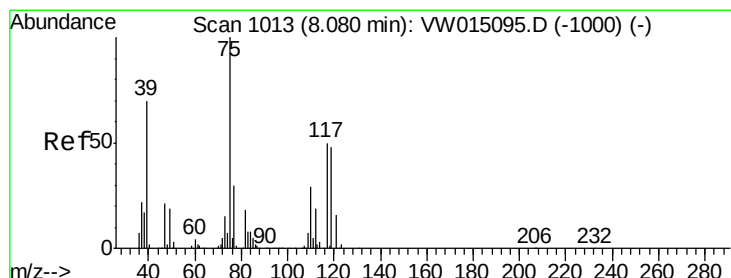
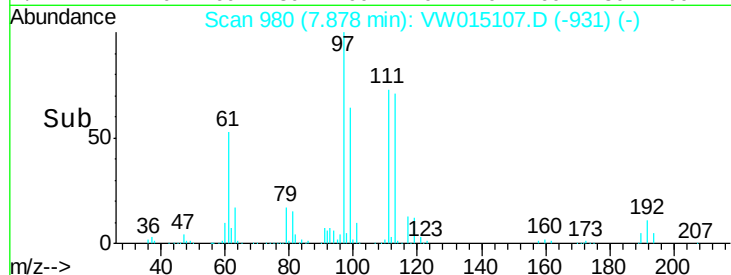
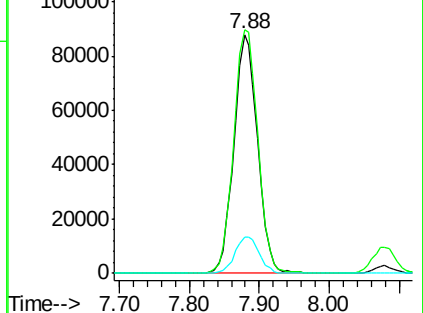


Abundance

Ion 112.80 (112.50 to 113.50): V

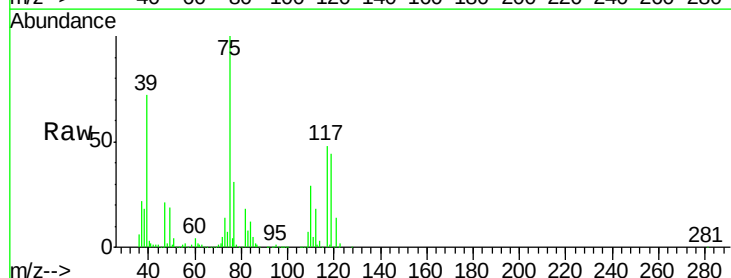
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 57.317 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.0	14.7	44.1
77	30.7	24.2	36.4

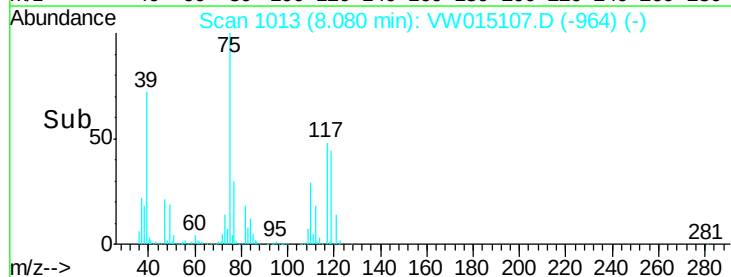
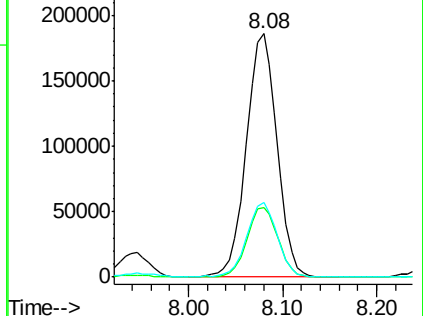


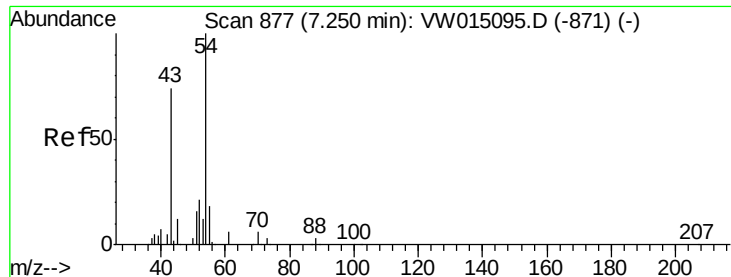
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

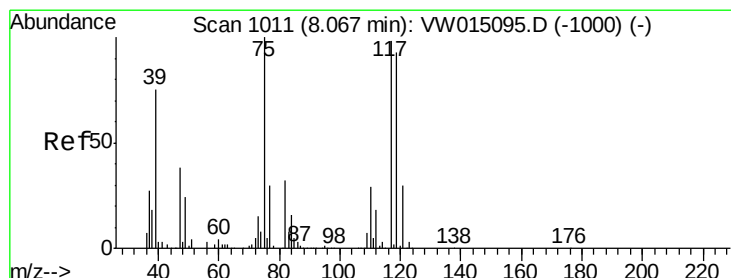
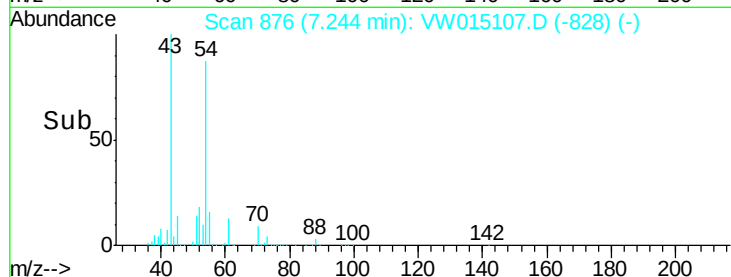
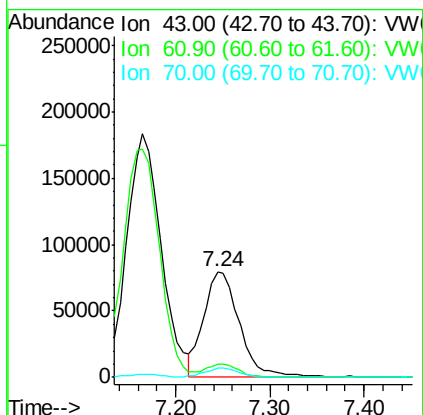
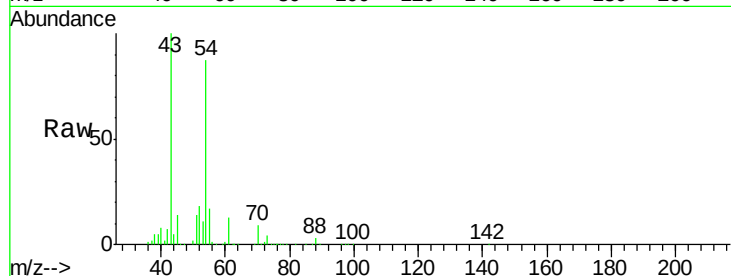




#37
Ethyl Acetate
Concen: 55.649 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

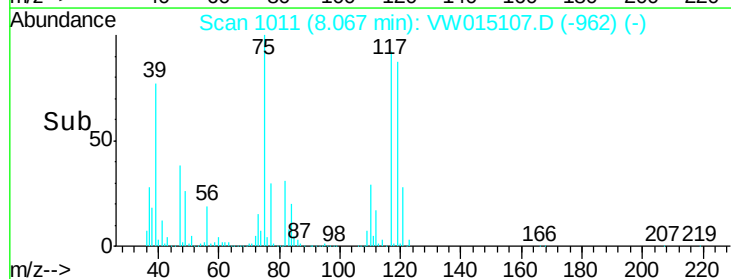
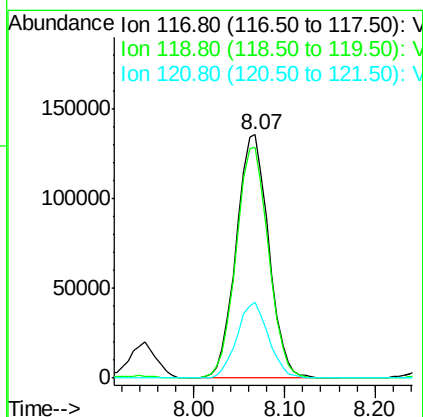
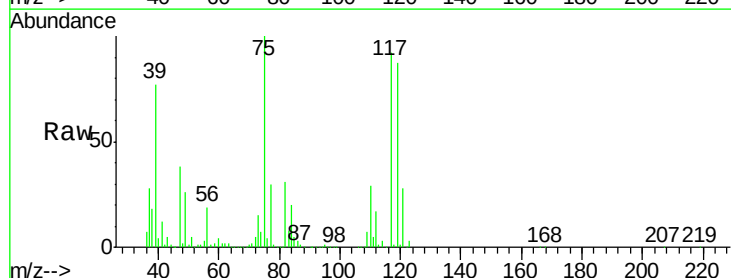
Instrument :
MSVOA_W
ClientSampled :

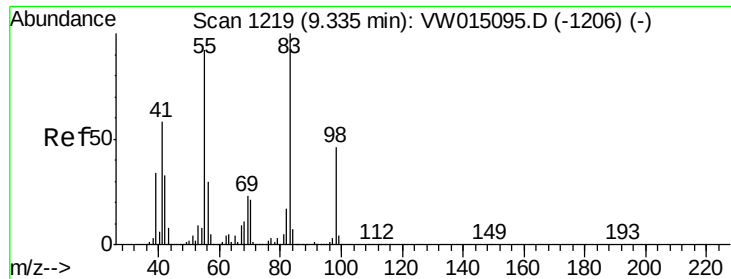
Tot Ion: 43 Resp: 205054
Ion Ratio Lower Upper
43 100
61 11.3 9.6 14.4
70 8.5 6.5 9.7



#38
Carbon Tetrachloride
Concen: 56.051 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 117 Resp: 337344
Ion Ratio Lower Upper
117 100
119 94.8 75.8 113.8
121 31.0 24.5 36.7

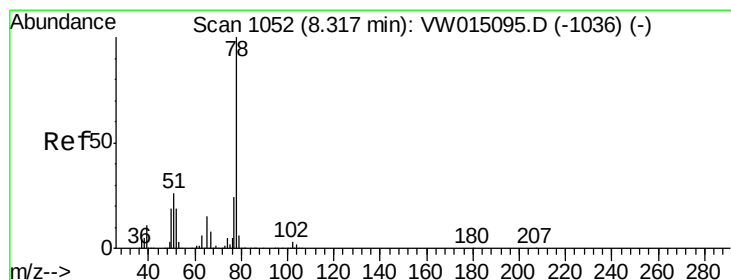
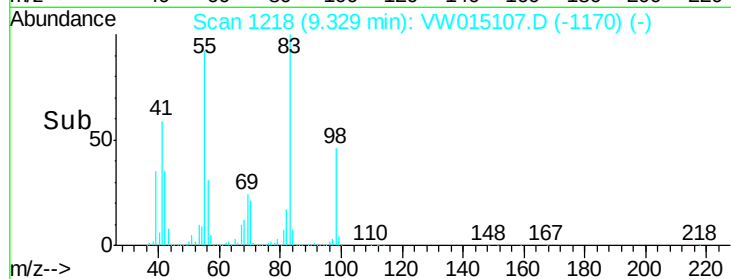
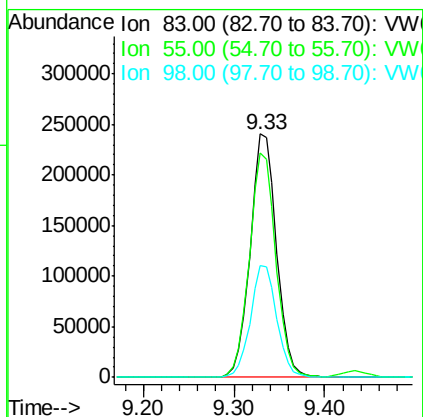
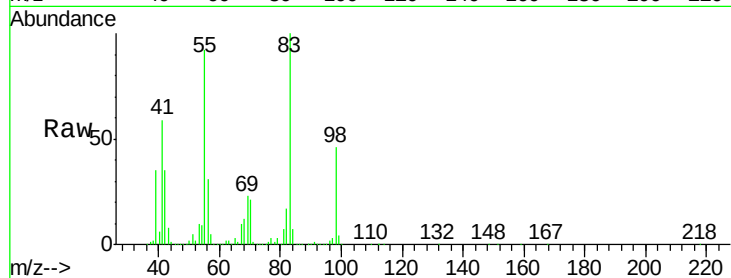




#39
Methylvlcyclohexane
Concen: 57.207 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

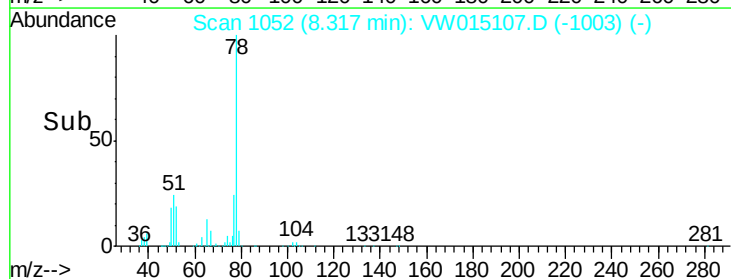
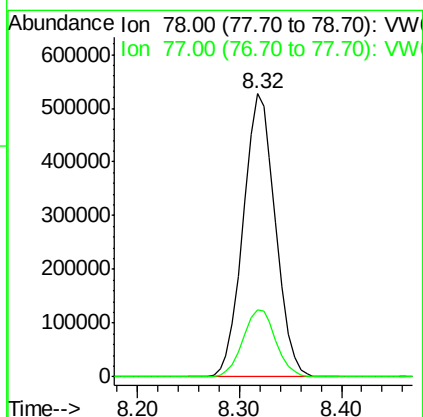
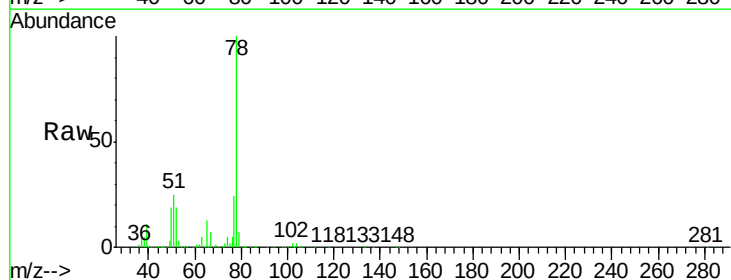
Instrument :
MSVOA_W
ClientSampleId :

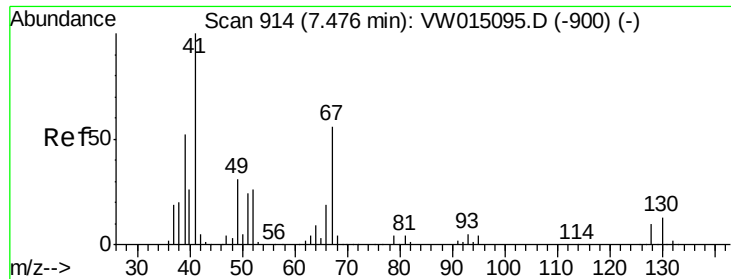
Tot Ion: 83 Resp: 483597
Ion Ratio Lower Upper
83 100
55 92.3 73.5 110.3
98 45.8 37.2 55.8



#40
Benzene
Concen: 56.205 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 78 Resp: 1154780
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

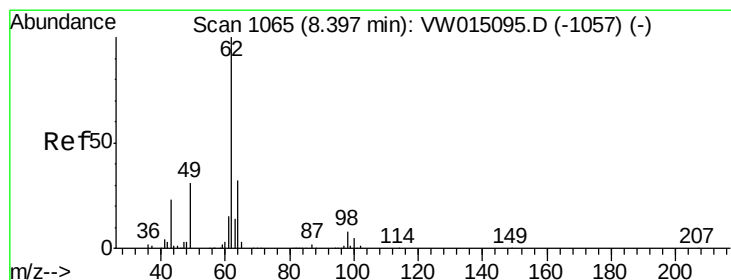
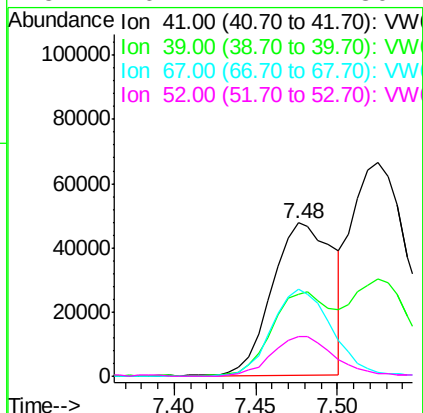
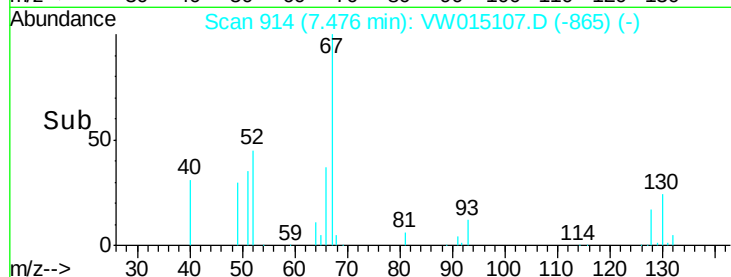
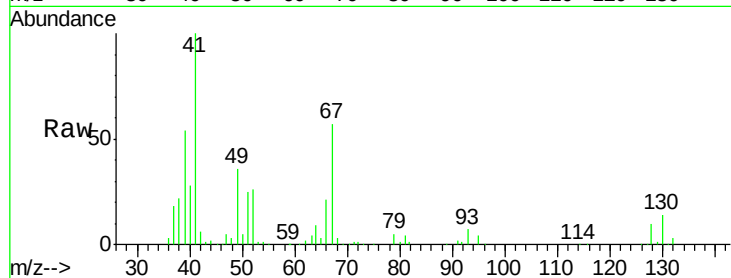




#41
Methacrylonitrile
Concen: 63.548 ug/l
RT: 7.48 min Scan# 914
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

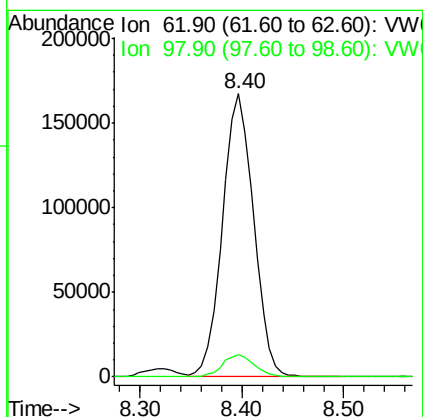
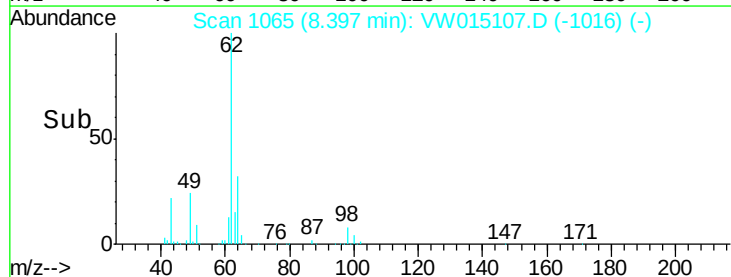
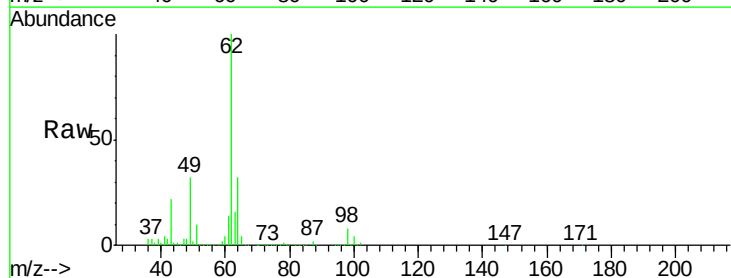
Instrument :
MSVOA_W
ClientSampled :

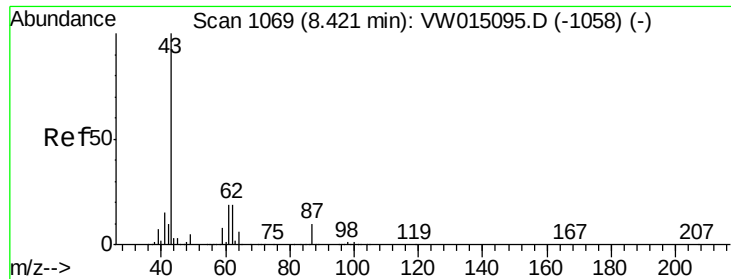
Tot Ion:	41	Resp:	123839
Ion	Ratio	Lower	Upper
41	100		
39	54.3	49.0	73.4
67	56.0	50.4	75.6
52	26.7	24.2	36.4



#42
1,2-Dichloroethane
Concen: 56.490 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion:	62	Resp:	353602
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.0





#43

Isopropyl Acetate

Concen: 56.895 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

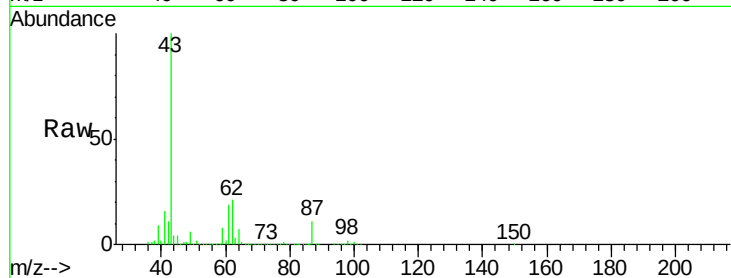
Tot Ion: 43 Resp: 375842

Ion Ratio Lower Upper

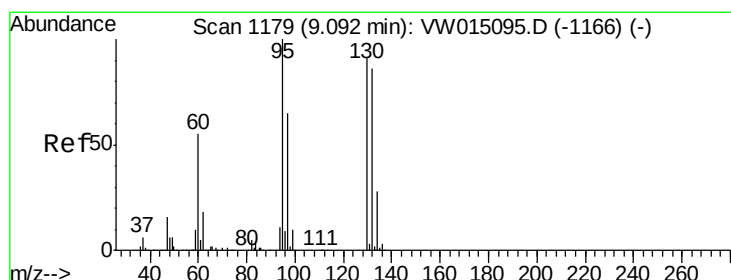
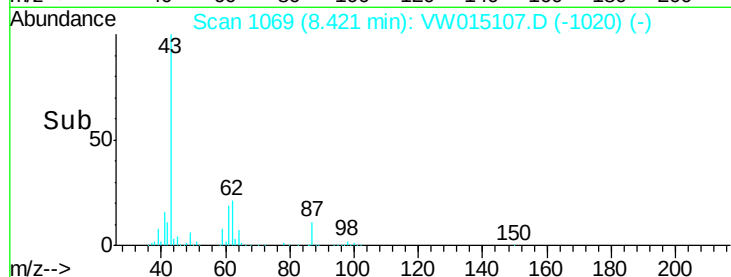
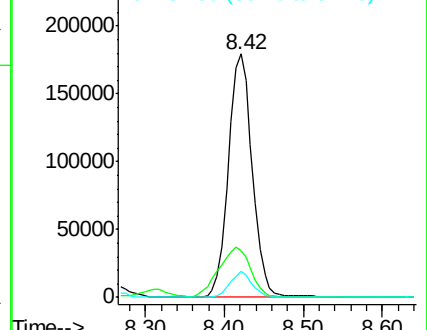
43 100

61 27.5 21.8 32.8

87 10.0 8.0 12.0



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: 54.096 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015107.D

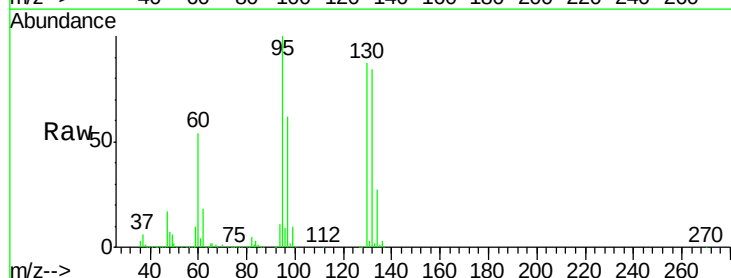
Acq: 10 Mar 2020 10:46

Tgt Ion:130 Resp: 236586

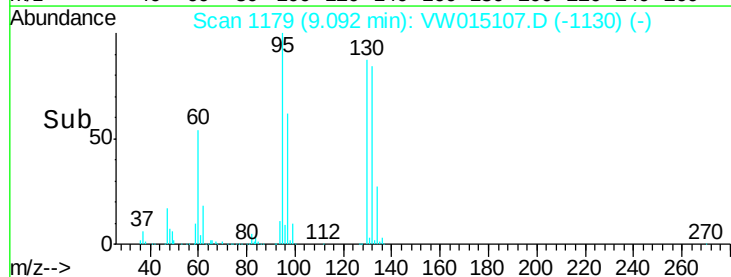
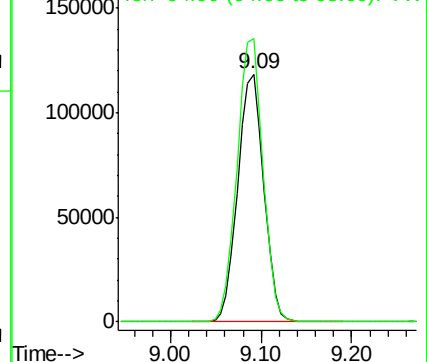
Ion Ratio Lower Upper

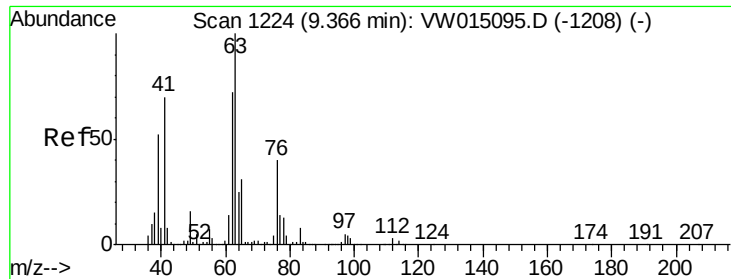
130 100

95 114.3 0.0 219.8



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

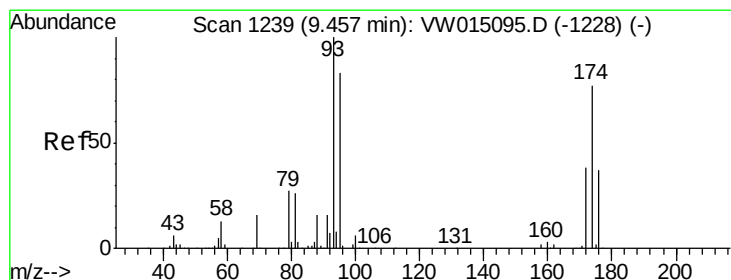
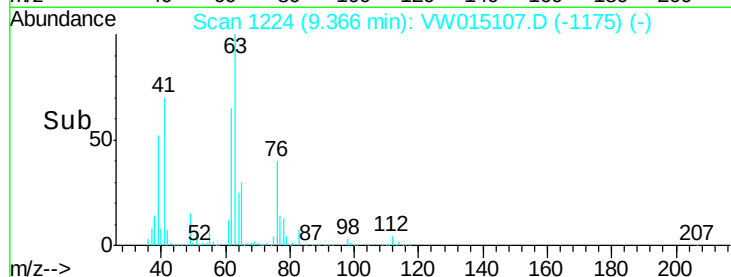
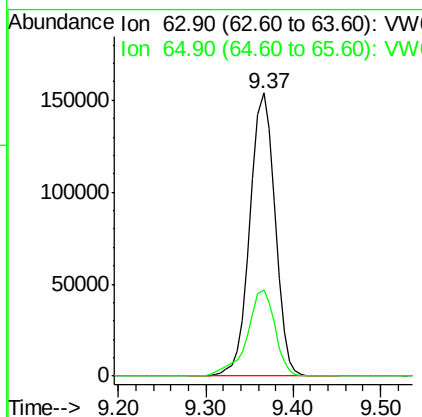
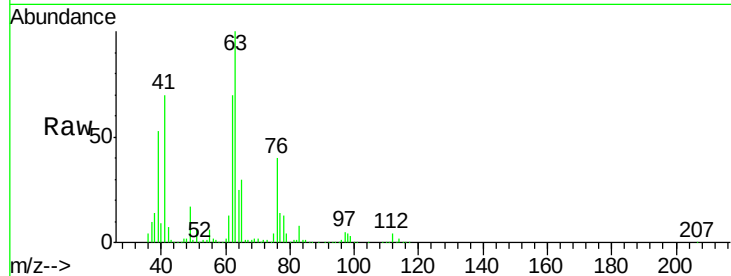




#45
 1,2-Dichloropropane
 Concen: 55.811 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

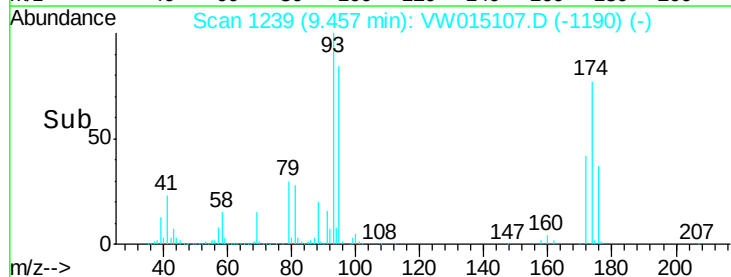
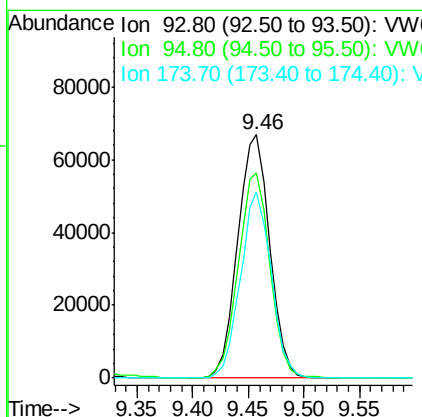
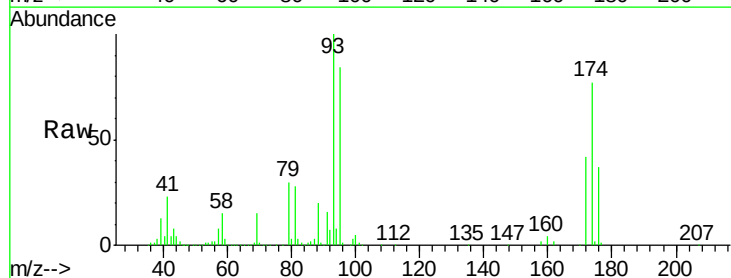
Instrument :
 MSVOA_W
 ClientSampleId :

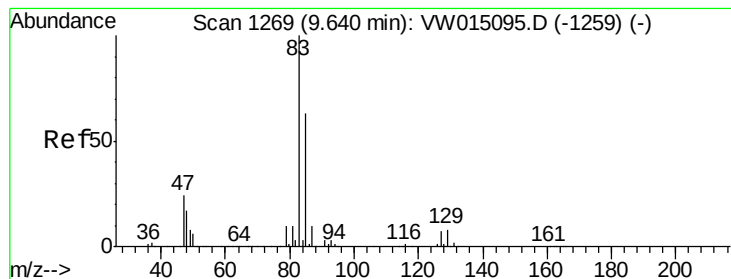
Tot Ion: 63 Resp: 308810
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.6 36.8



#46
 Dibromomethane
 Concen: 55.537 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 93 Resp: 133618
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 73.5 60.6 91.0





#47

Bromodichloromethane

Concen: 55.372 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

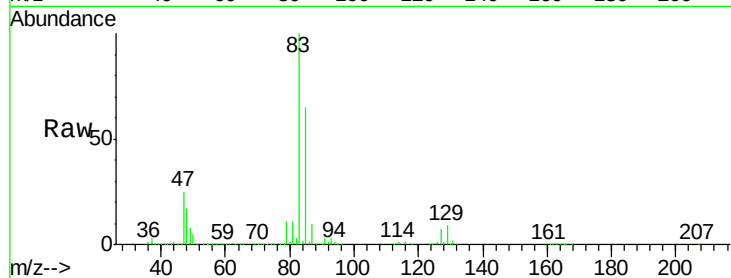
Tot Ion: 83 Resp: 355673

Ion Ratio Lower Upper

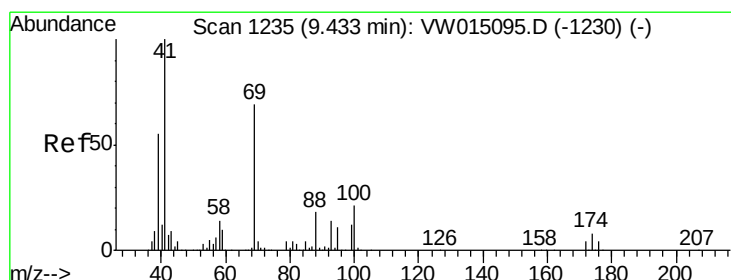
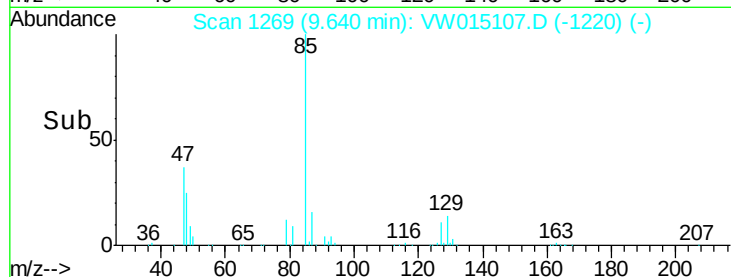
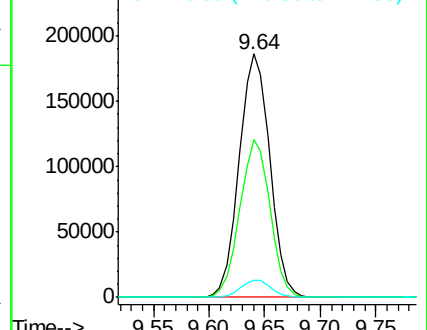
83 100

85 64.9 50.7 76.1

127 7.3 5.5 8.3



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



#48

Methyl methacrylate

Concen: 56.732 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

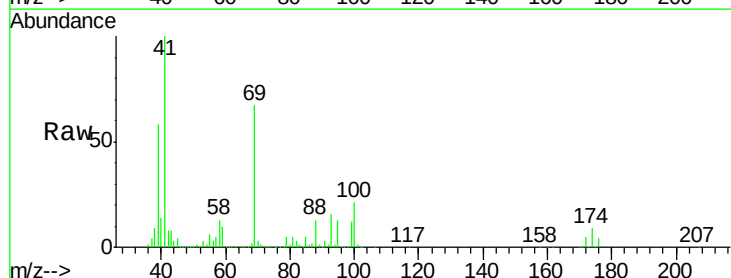
Tgt Ion: 41 Resp: 193453

Ion Ratio Lower Upper

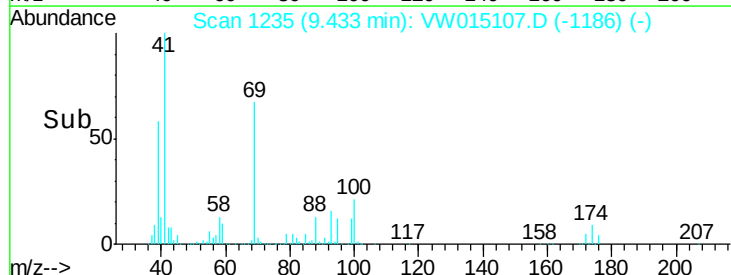
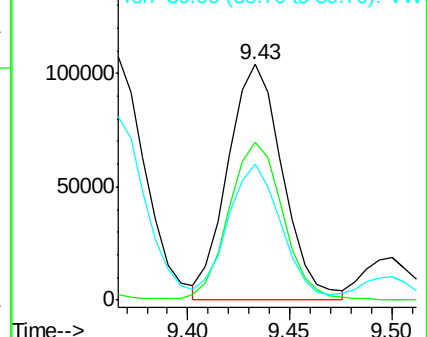
41 100

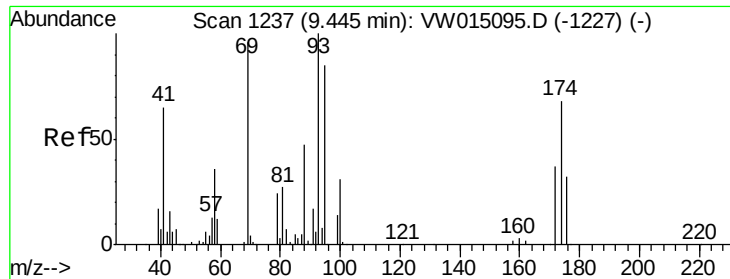
69 66.1 58.7 88.1

39 51.6 45.1 67.7



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

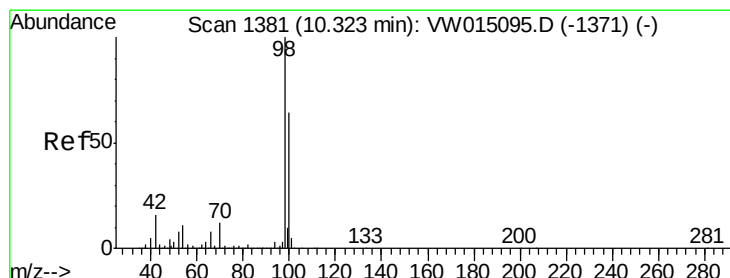
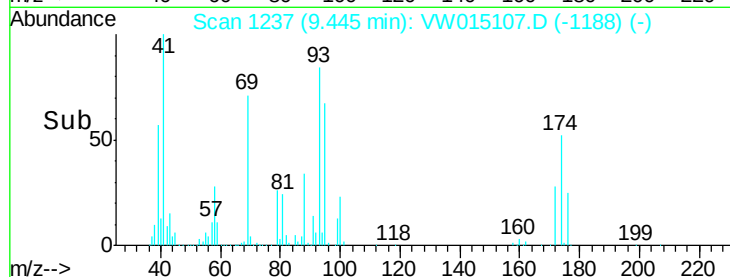
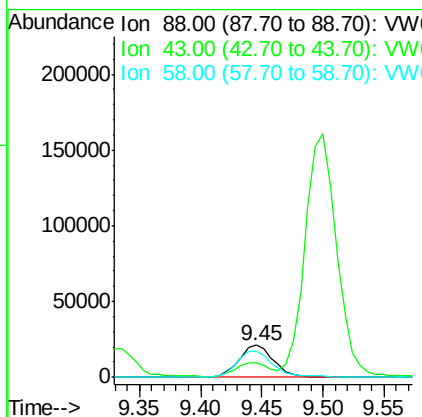
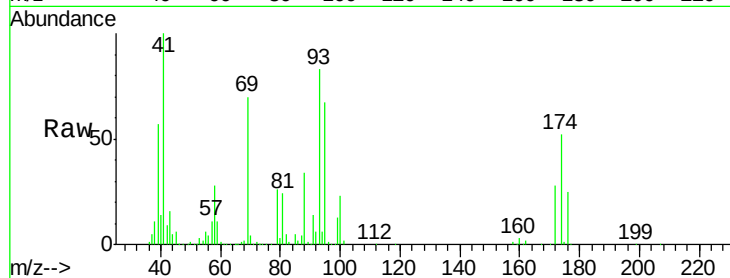




#49
 1,4-Dioxane
 Concen: 1132.952 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

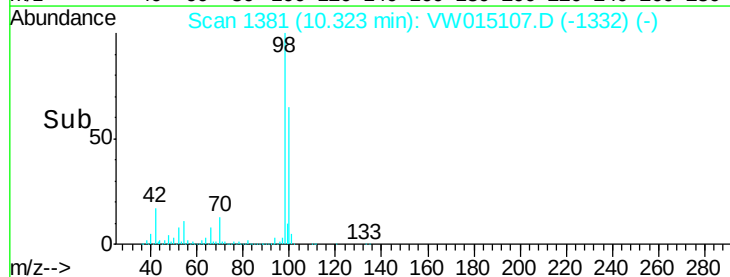
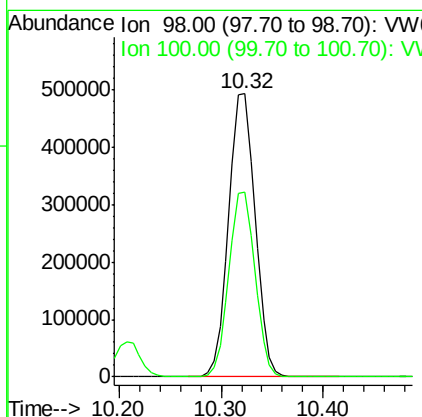
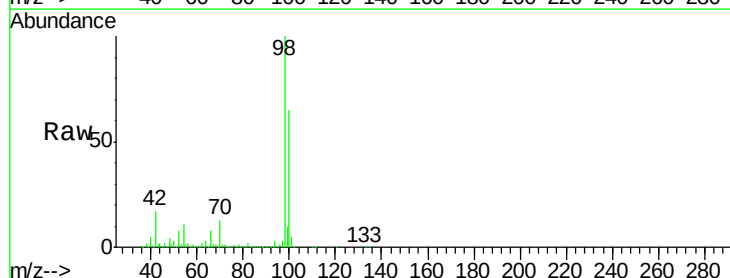
Instrument :
 MSVOA_W
 ClientSampled :

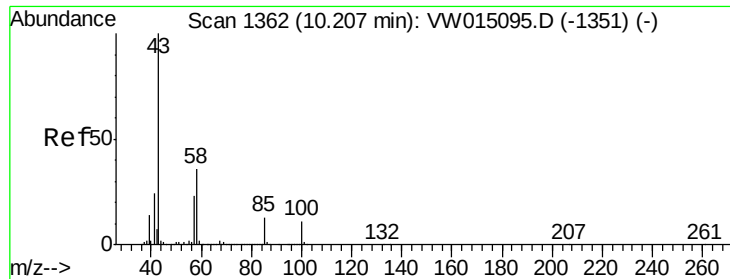
Tot Ion: 88 Resp: 41733
 Ion Ratio Lower Upper
 88 100
 43 42.5 35.8 53.8
 58 88.7 64.0 96.0



#50
 Toluene-d8
 Concen: 55.591 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 98 Resp: 888551
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.2 78.2

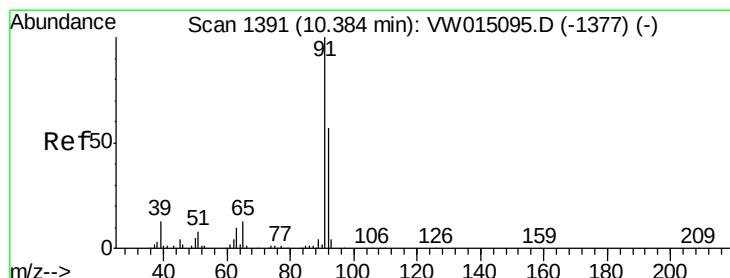
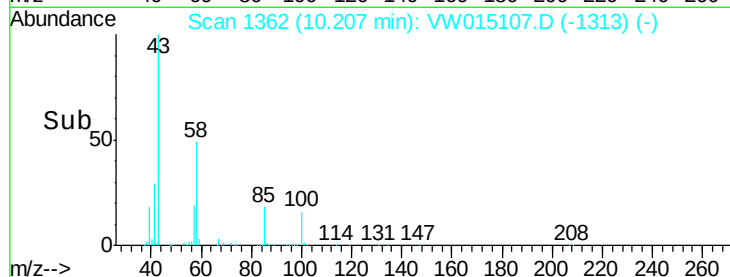
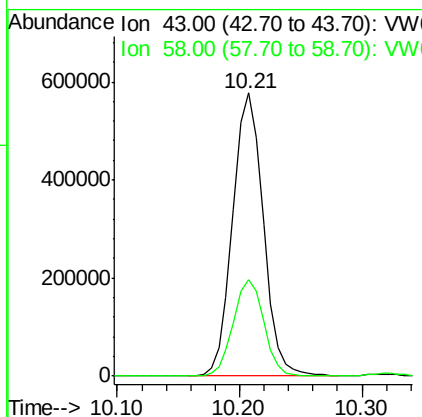
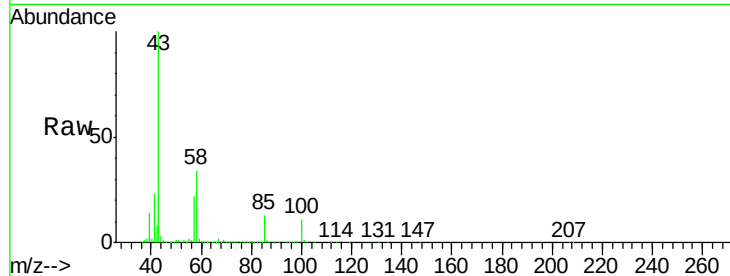




#51
 4-Methyl-2-Pentanone
 Concen: 273.639 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

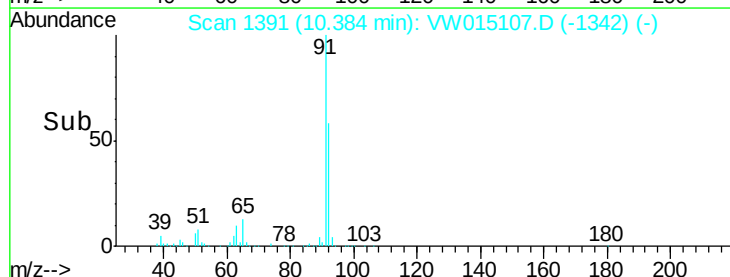
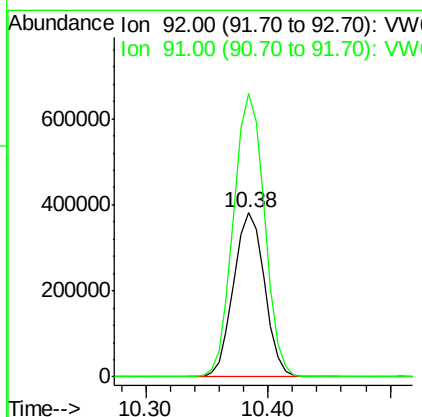
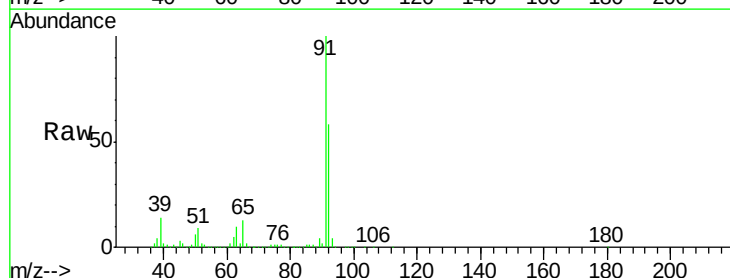
Instrument :
 MSVOA_W
 ClientSampled :

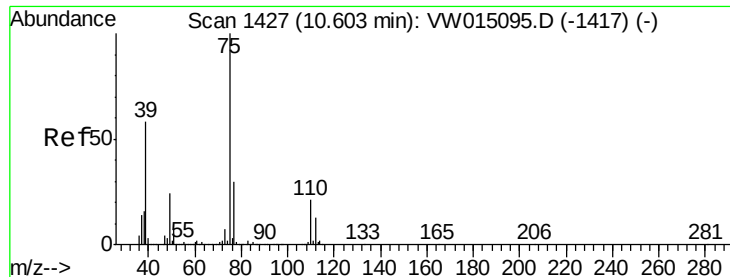
Tot Ion: 43 Resp: 998436
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.0 42.0



#52
 Toluene
 Concen: 56.579 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 92 Resp: 667801
 Ion Ratio Lower Upper
 92 100
 91 173.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 56.290 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

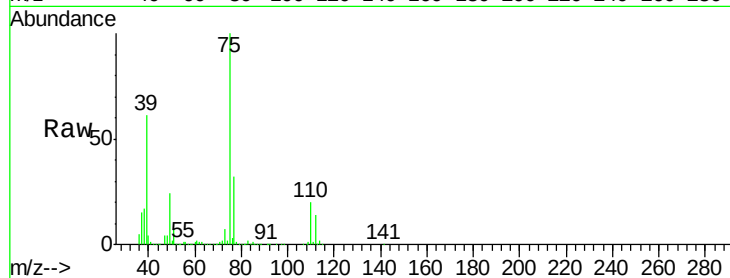
ClientSampled :

Tot Ion: 75 Resp: 355709

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

200000

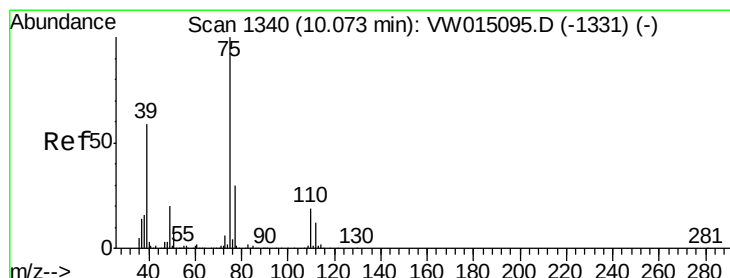
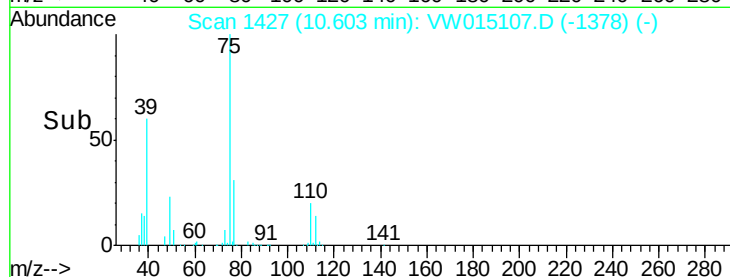
150000

100000

50000

0

Time--> 10.50 10.60



#54

cis-1,3-Dichloropropene

Concen: 56.387 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

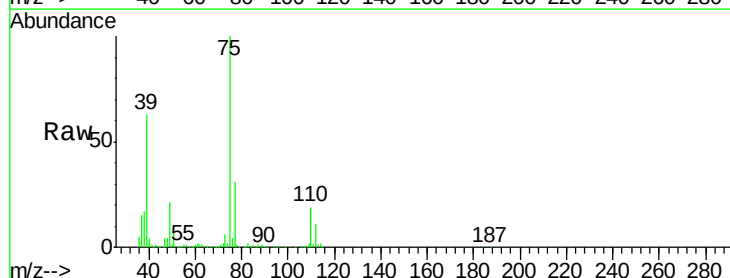
Tgt Ion: 75 Resp: 434066

Ion Ratio Lower Upper

75 100

77 31.2 24.3 36.5

39 62.7 47.0 70.6



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

300000

250000

200000

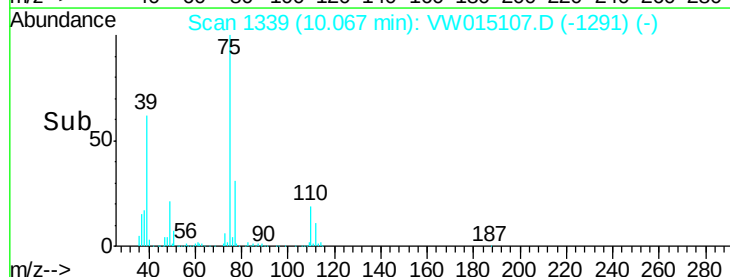
150000

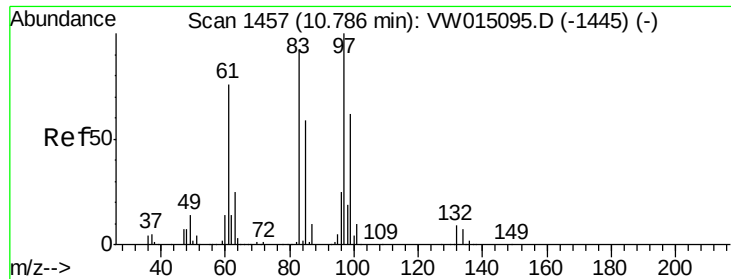
100000

50000

0

Time--> 10.00 10.10 10.20





#55

1,1,2-Trichloroethane

Concen: 54.679 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 180260

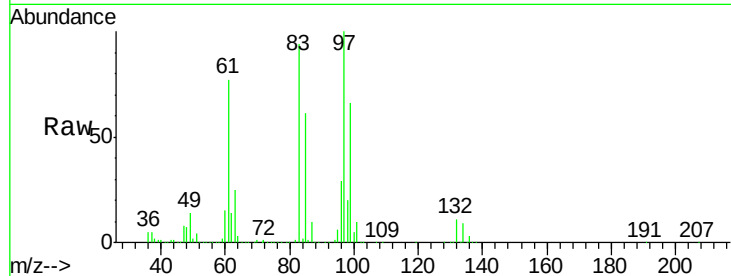
Ion	Ratio	Lower	Upper
97	100		
83	93.6	74.0	111.0
85	61.0	46.9	70.3
99	65.7	49.8	74.8

97 100

83 93.6 74.0 111.0

85 61.0 46.9 70.3

99 65.7 49.8 74.8



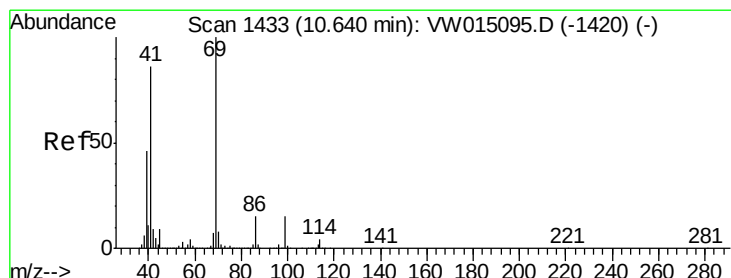
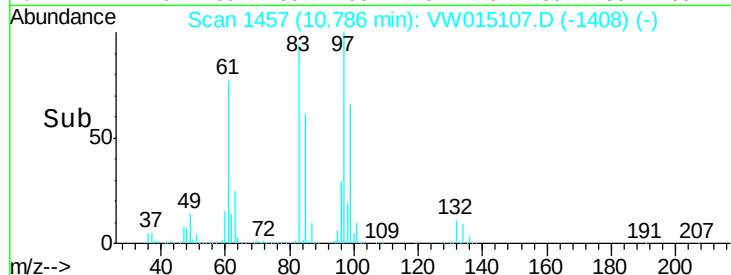
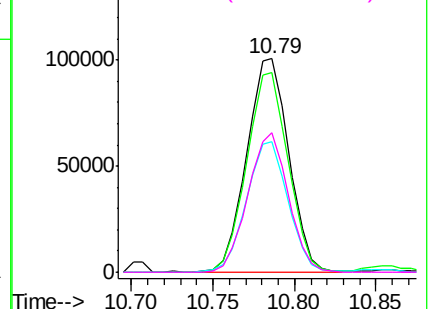
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 52.361 ug/l

RT: 10.64 min Scan# 1433

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

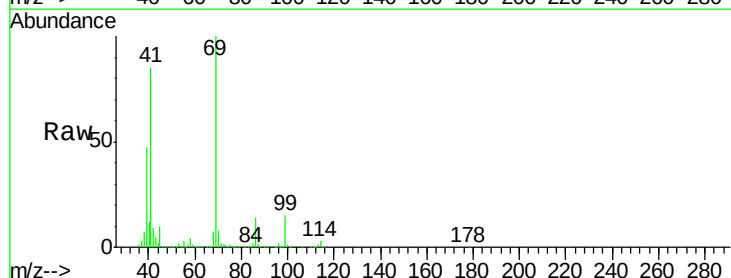
Tgt Ion: 69 Resp: 249388

Ion	Ratio	Lower	Upper
69	100		
41	83.9	65.8	98.6
39	40.3	31.2	46.8

69 100

41 83.9 65.8 98.6

39 40.3 31.2 46.8

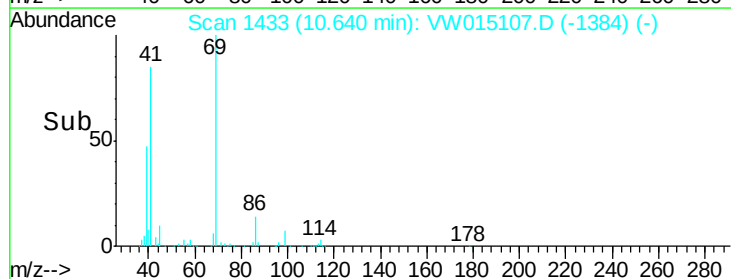
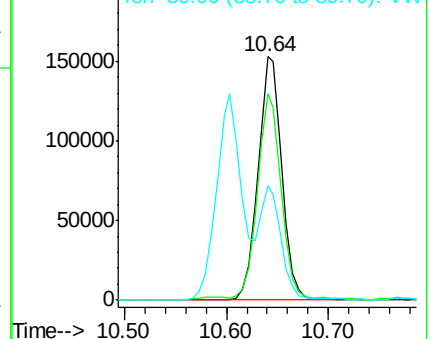


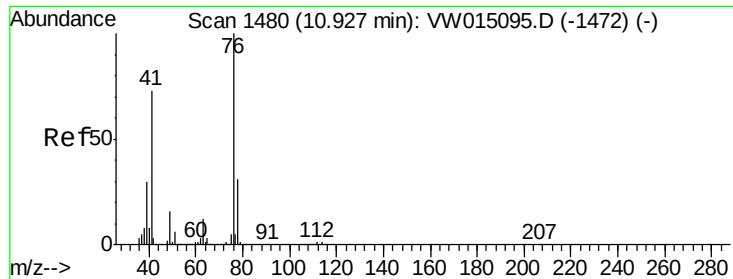
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

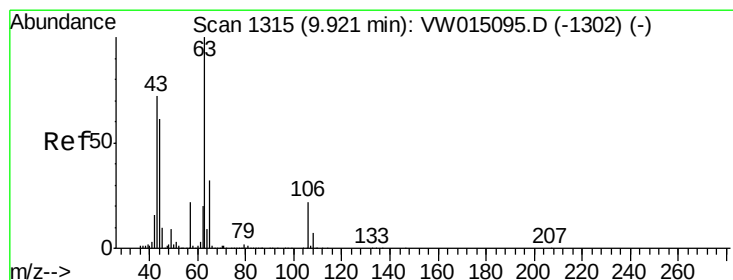
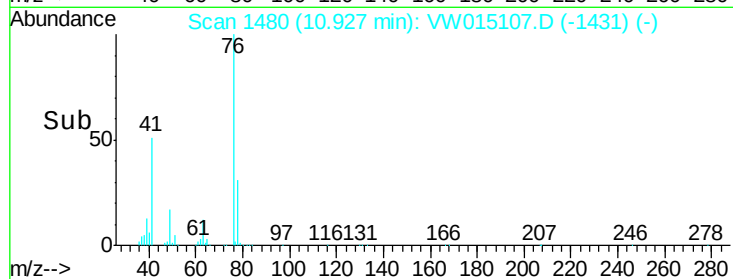
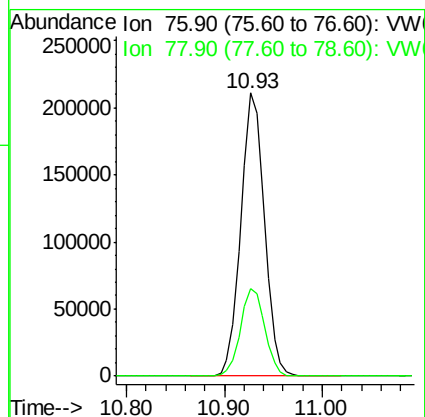
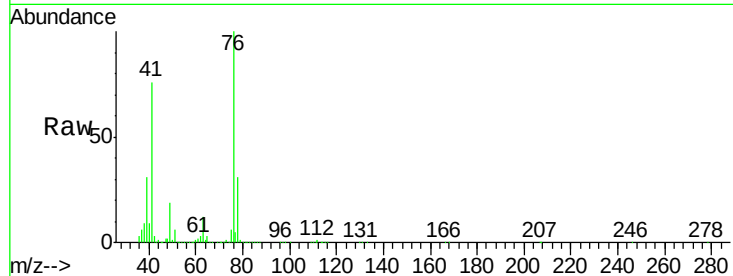




#57
 1,3-Dichloropropane
 Concen: 56.440 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

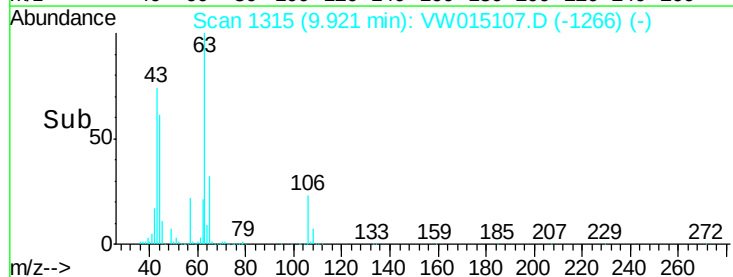
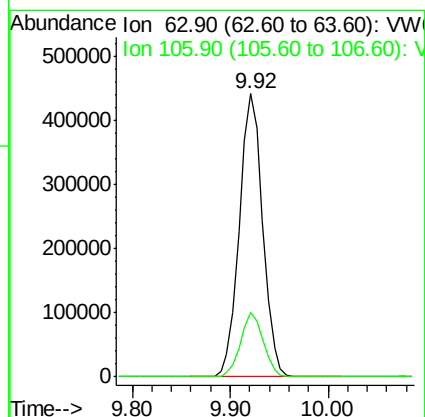
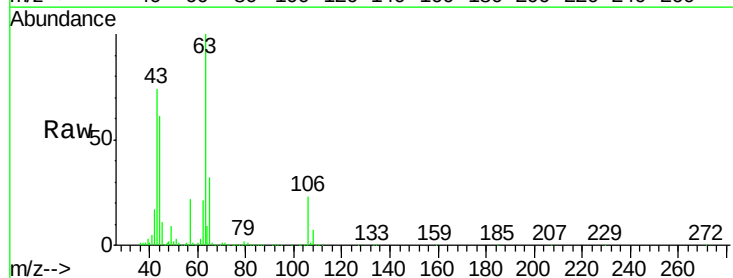
Instrument :
 MSVOA_W
 ClientSampleId :

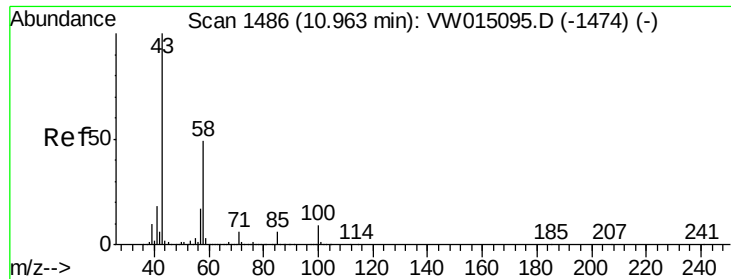
Tot Ion: 76 Resp: 354235
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.369 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 63 Resp: 732218
 Ion Ratio Lower Upper
 63 100
 106 22.2 18.0 27.0

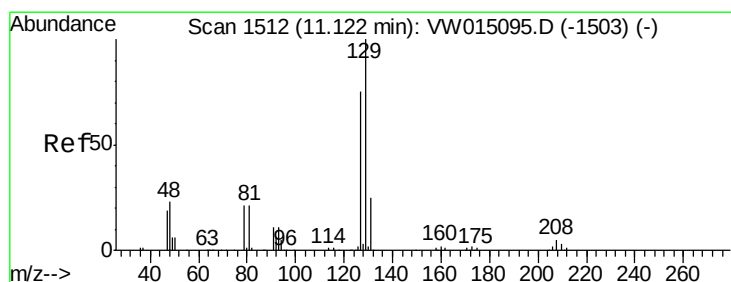
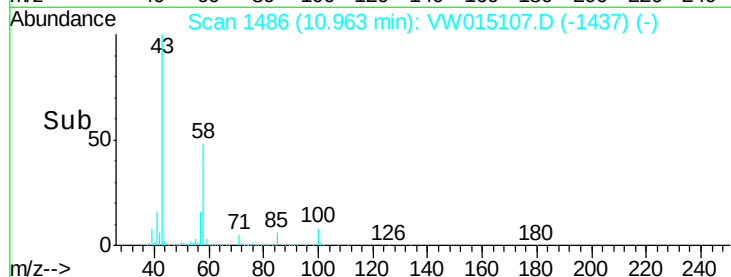
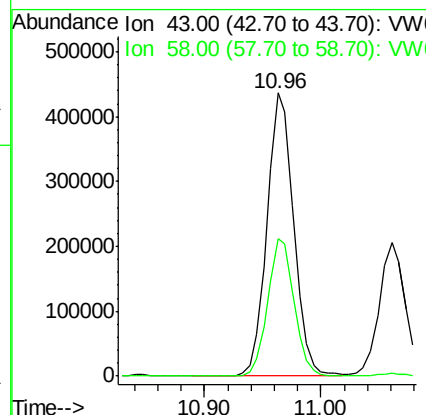
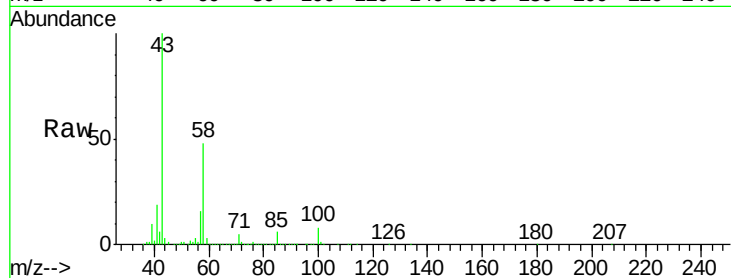




#59
2-Hexanone
Concen: 274.686 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

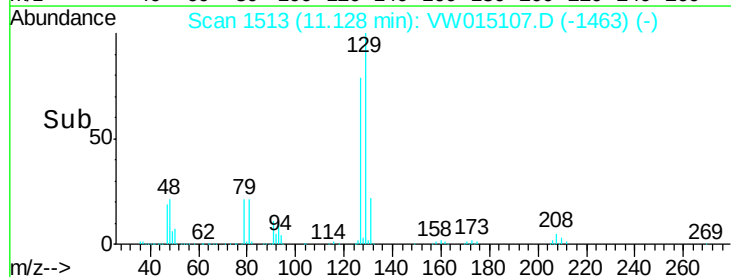
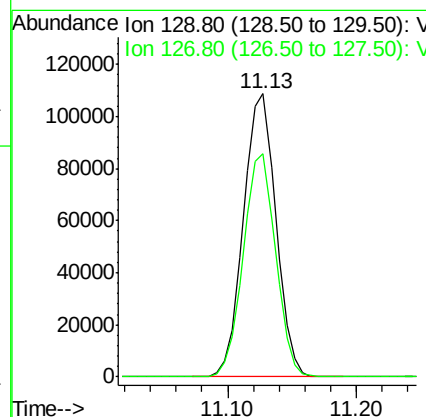
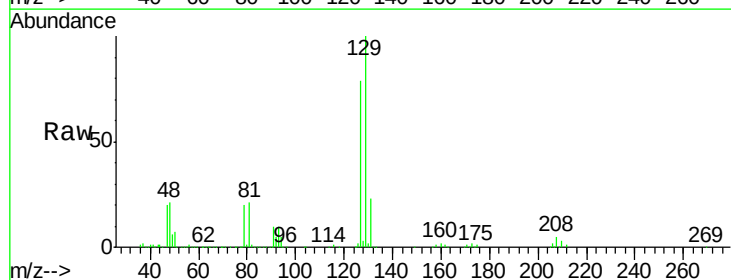
Instrument :
MSVOA_W
ClientSampled :

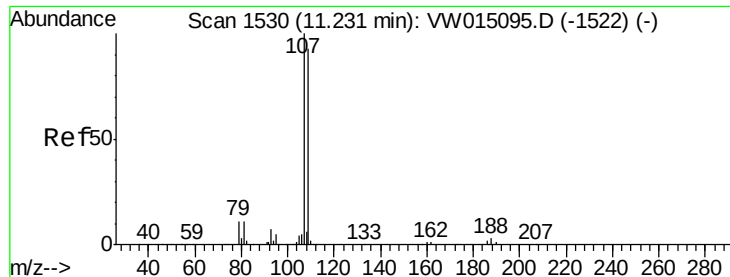
Tot Ion: 43 Resp: 691029
Ion Ratio Lower Upper
43 100
58 48.1 24.6 73.8



#60
Dibromochloromethane
Concen: 55.666 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 129 Resp: 189537
Ion Ratio Lower Upper
129 100
127 78.4 38.7 116.1

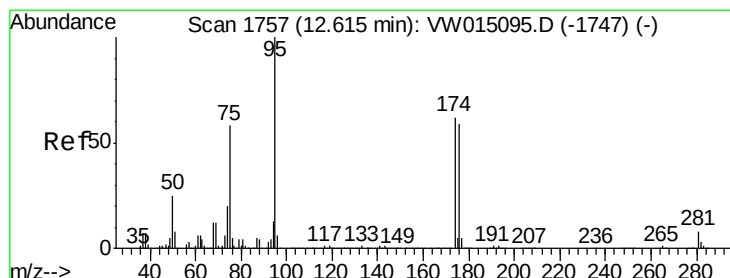
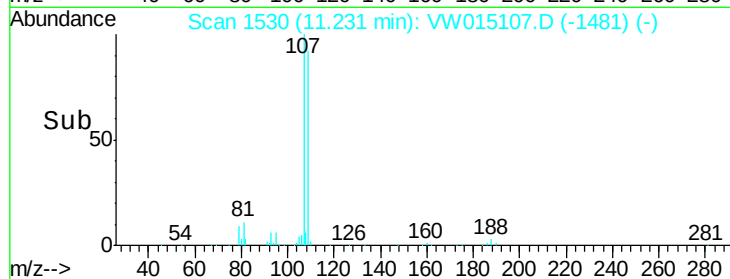
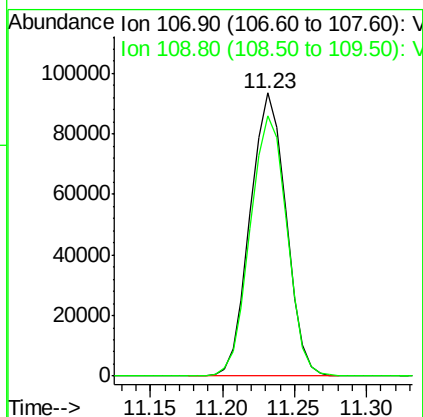
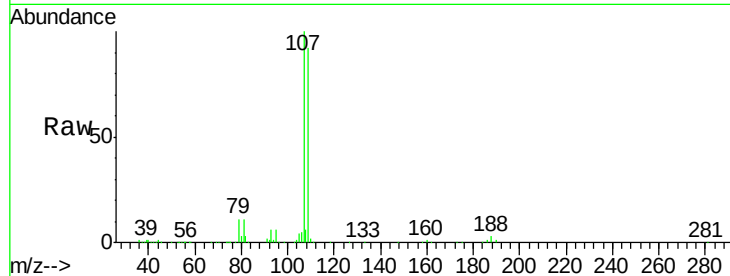




#61
 1,2-Dibromoethane
 Concen: 55.206 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

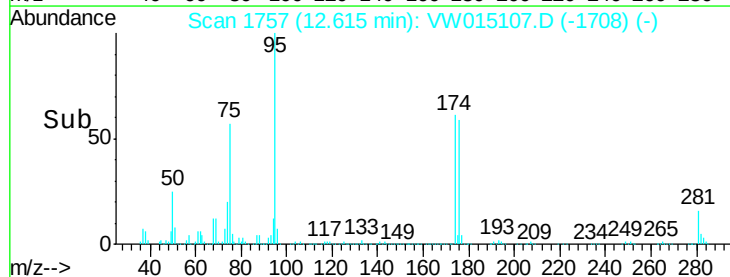
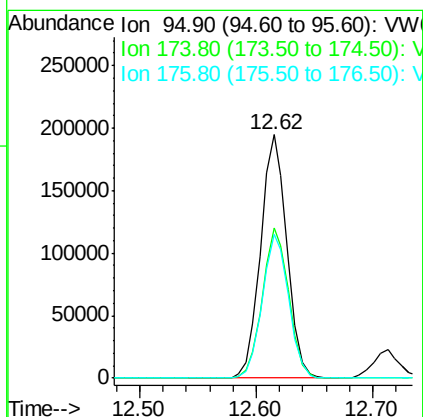
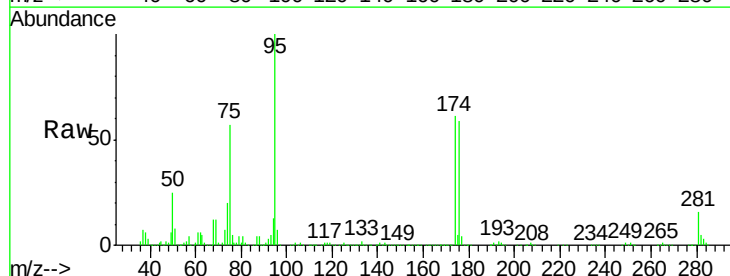
Instrument :
 MSVOA_W
 ClientSampled :

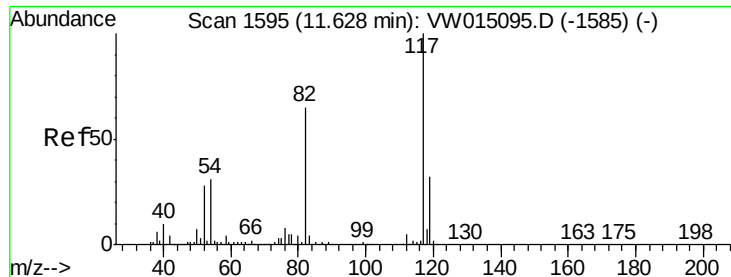
Tot Ion: 107 Resp: 161345
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 57.549 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion: 95 Resp: 305549
 Ion Ratio Lower Upper
 95 100
 174 61.8 0.0 126.8
 176 59.3 0.0 121.6

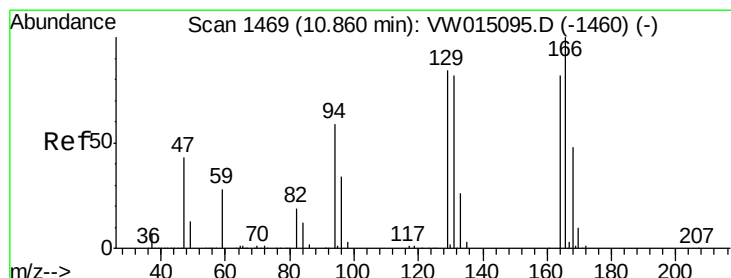
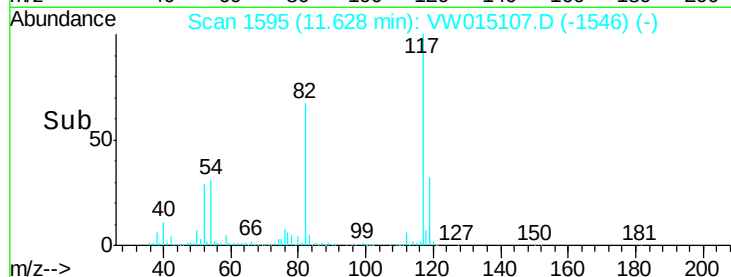
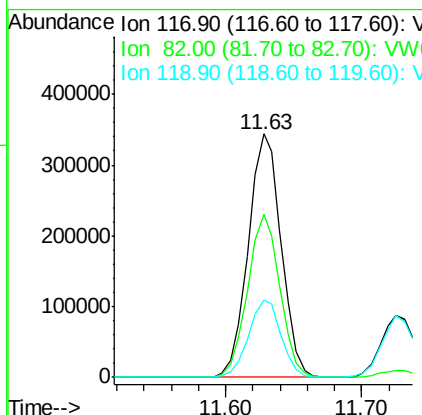
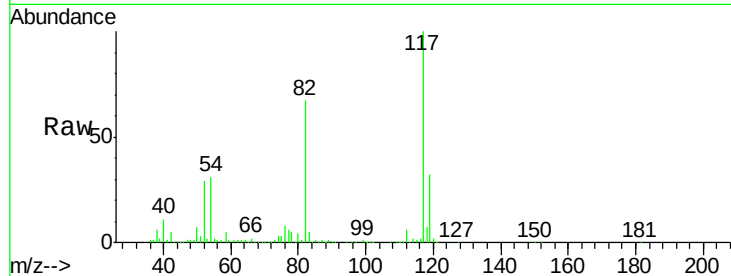




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

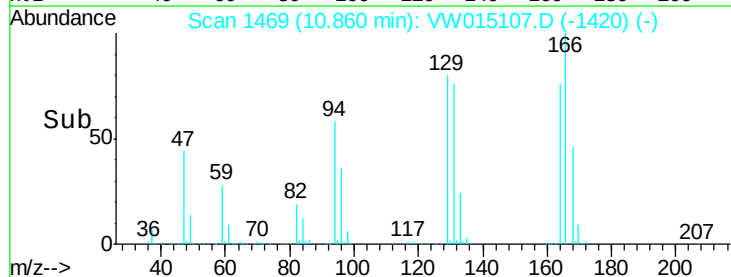
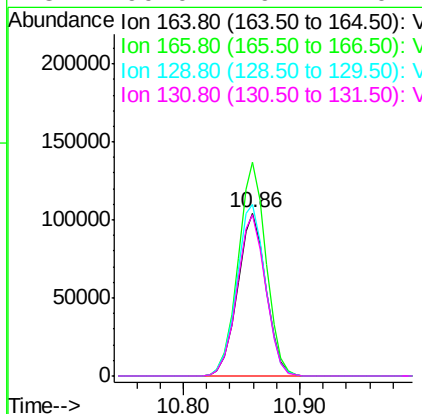
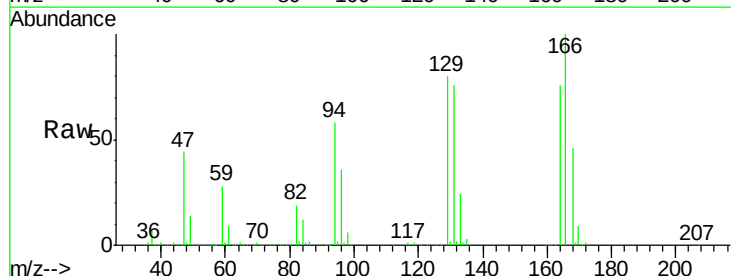
Instrument :
MSVOA_W
ClientSampleId :

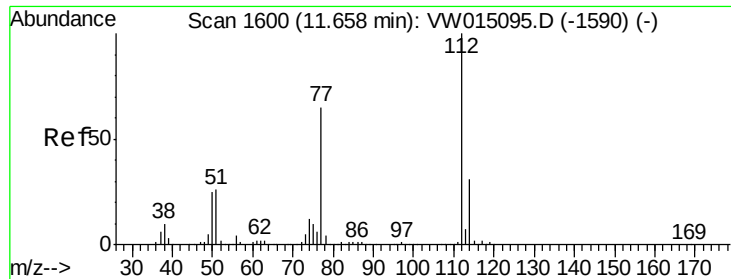
Tot Ion:117 Resp: 582390
Ion Ratio Lower Upper
117 100
82 67.0 52.2 78.2
119 31.7 25.4 38.0



#64
Tetrachloroethene
Concen: 52.652 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion:164 Resp: 176960
Ion Ratio Lower Upper
164 100
166 131.0 97.0 145.6
129 104.9 81.2 121.8
131 99.0 79.4 119.2

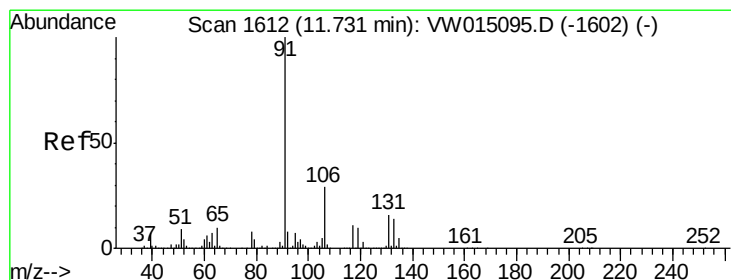
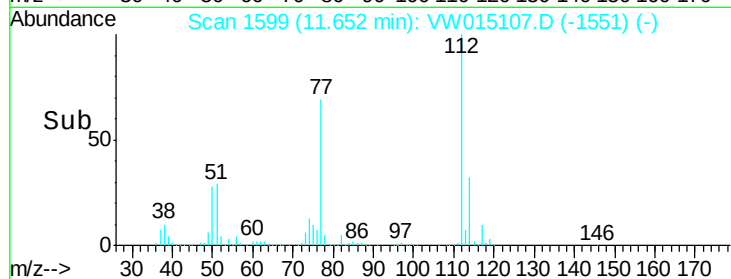
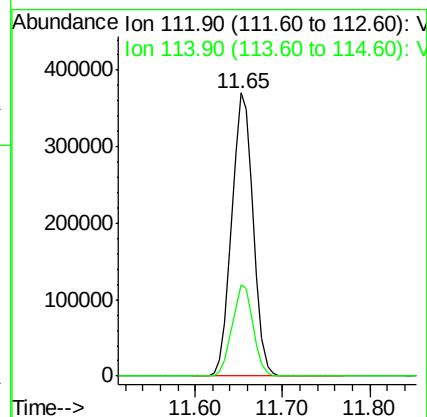
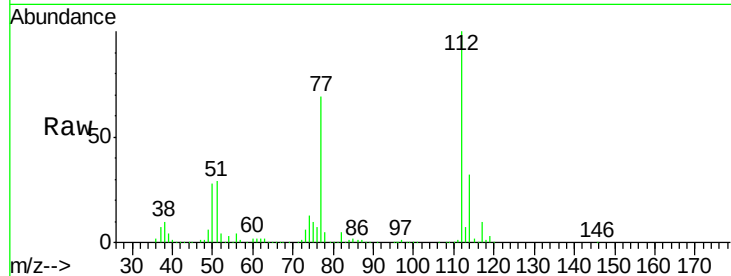




#65
Chlorobenzene
Concen: 53.806 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

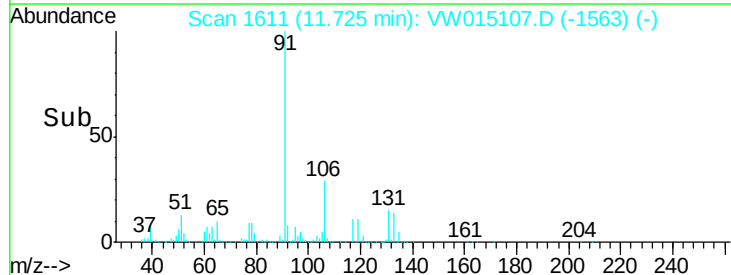
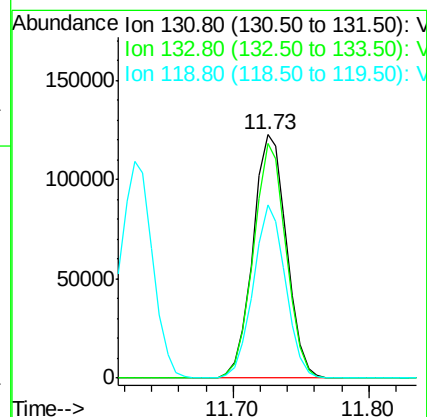
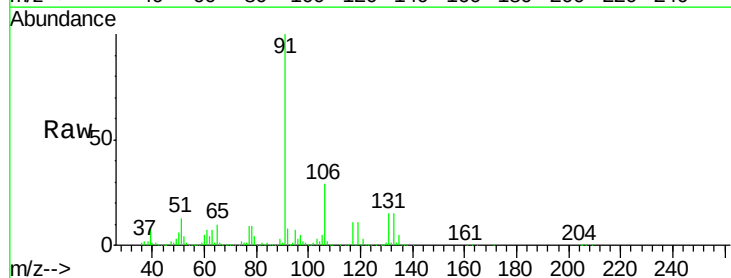
Instrument :
MSVOA_W
ClientSampleId :

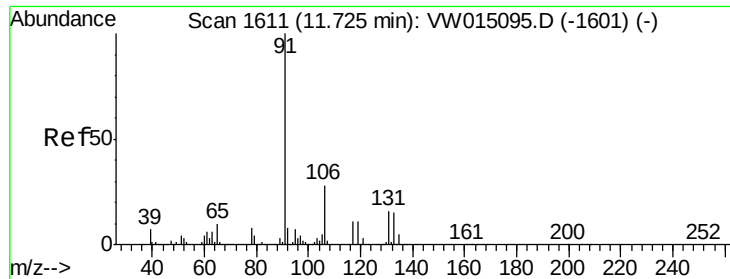
Tot Ion:112 Resp: 628965
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 54.540 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion:131 Resp: 212307
Ion Ratio Lower Upper
131 100
133 93.8 47.3 141.8
119 68.2 34.0 101.8

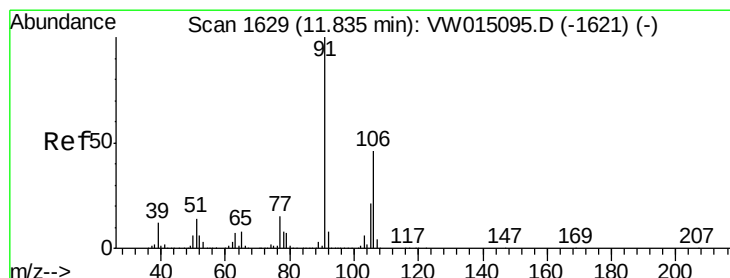
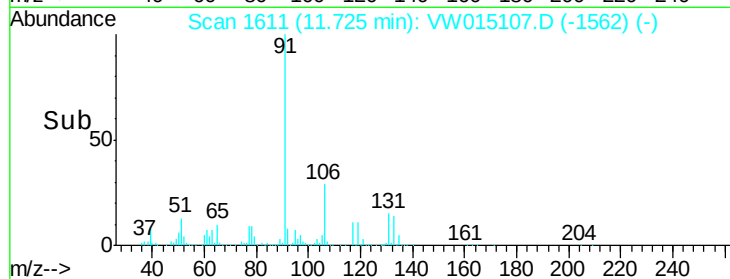
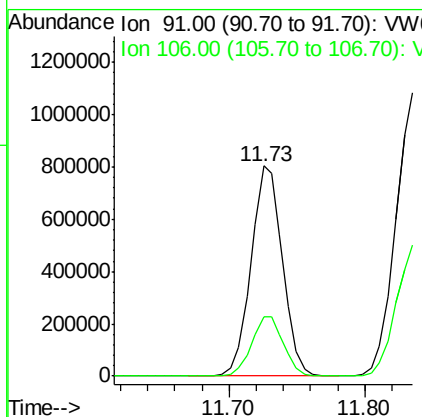
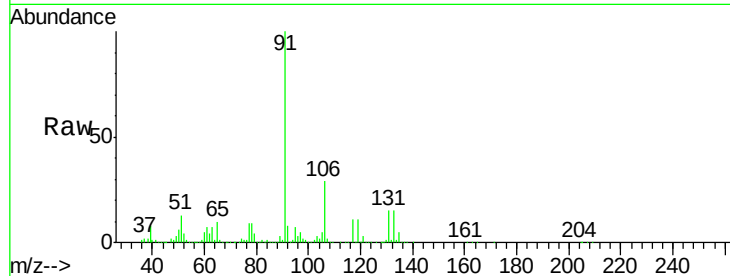




#67
Ethyl Benzene
Concen: 57.037 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

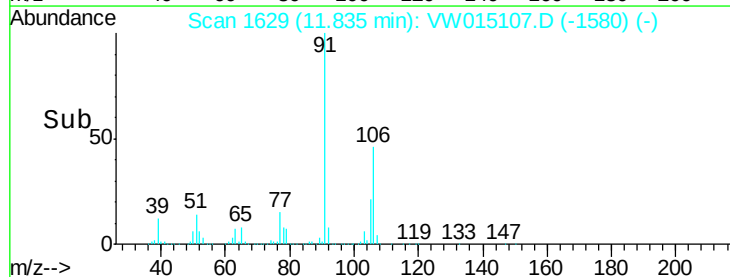
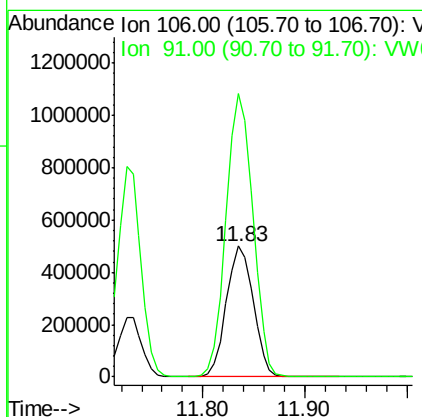
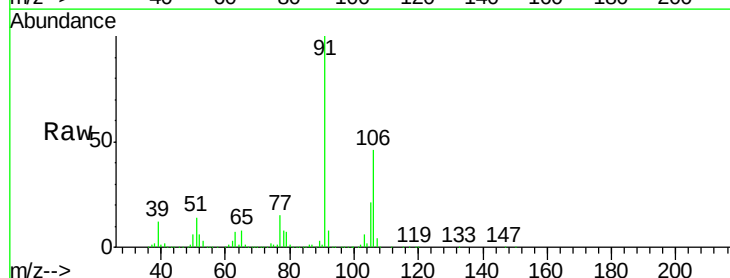
Instrument :
MSVOA_W
ClientSampled :

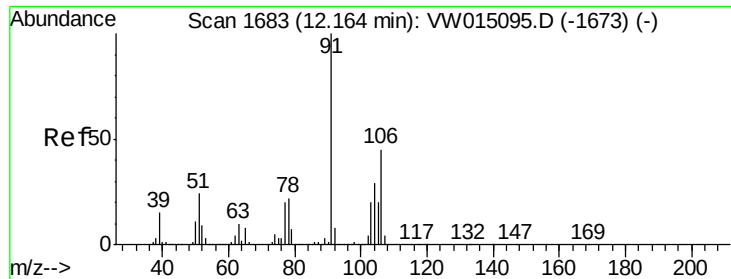
Tot Ion: 91 Resp: 1297424
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2



#68
m/p-Xylenes
Concen: 113.840 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion: 106 Resp: 915451
Ion Ratio Lower Upper
106 100
91 215.5 172.3 258.5

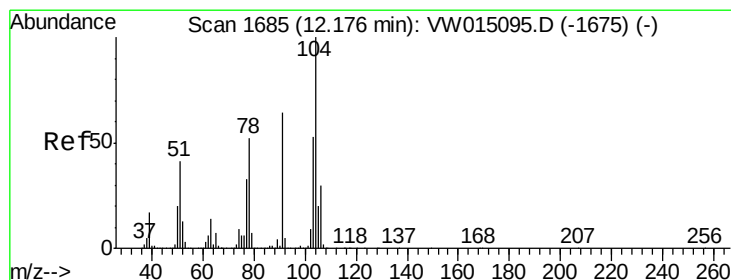
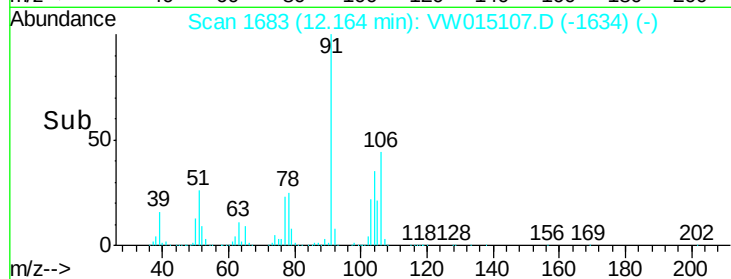
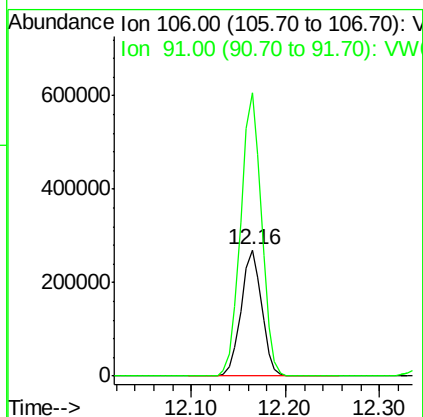
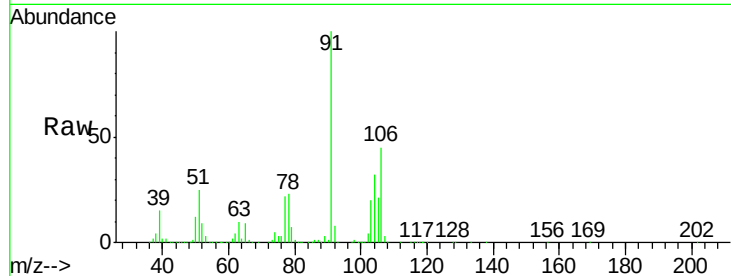




#69
o-Xylene
Concen: 56.922 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

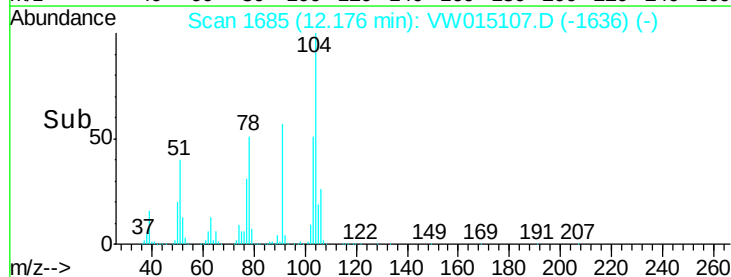
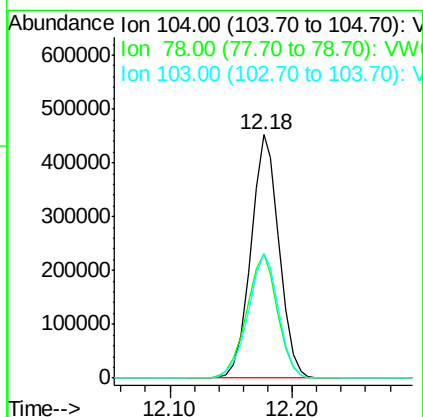
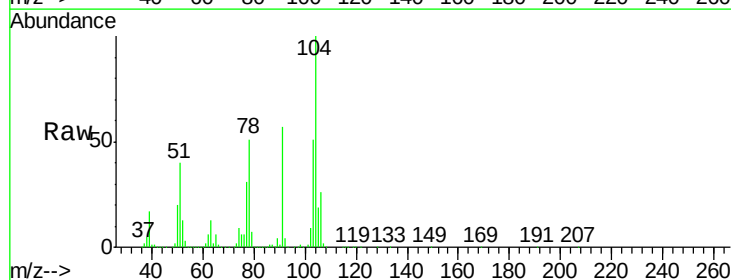
Instrument :
MSVOA_W
ClientSampled :

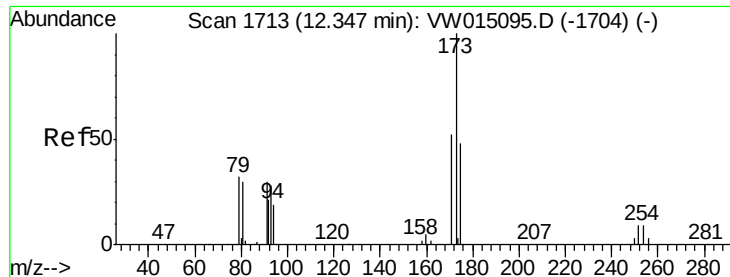
Tot Ion:106 Resp: 412336
Ion Ratio Lower Upper
106 100
91 227.1 112.6 337.8



#70
Styrene
Concen: 58.512 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion:104 Resp: 726260
Ion Ratio Lower Upper
104 100
78 55.8 44.7 67.1
103 54.7 44.7 67.1





#71

Bromoform

Concen: 54.620 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

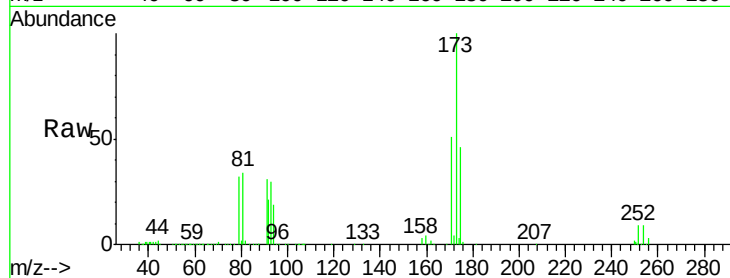
Tot Ion:173 Resp: 94356

Ion Ratio Lower Upper

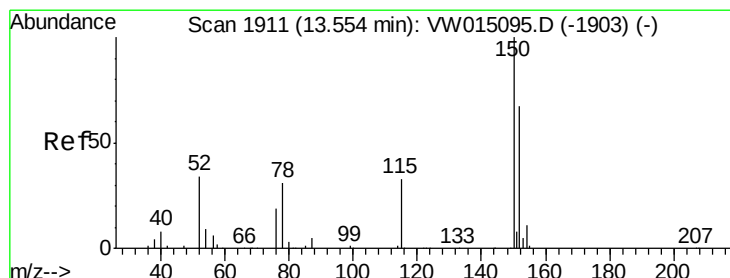
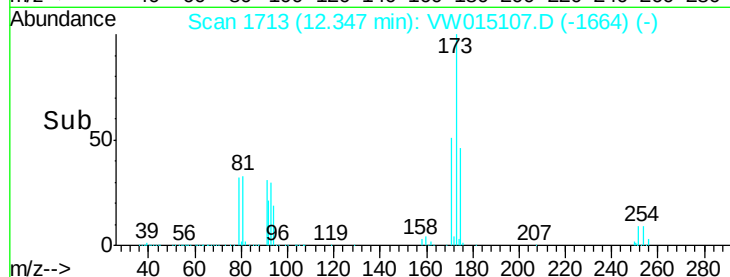
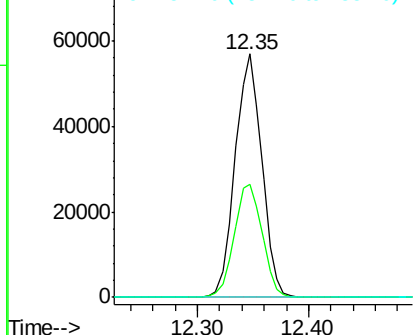
173 100

175 48.7 23.8 71.4

254 0.3 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

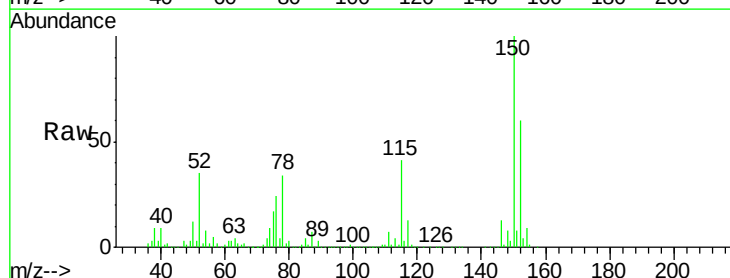
Tgt Ion:152 Resp: 265019

Ion Ratio Lower Upper

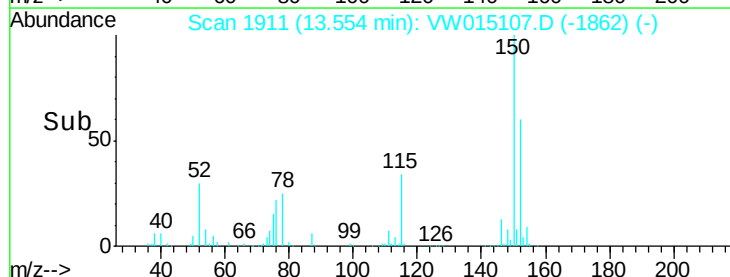
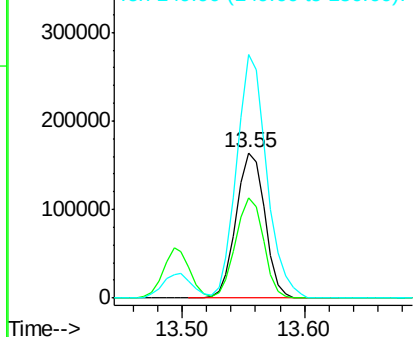
152 100

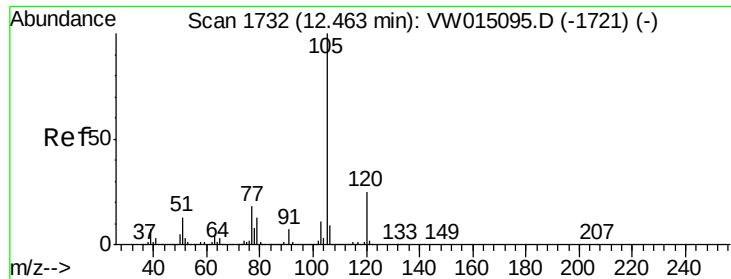
115 67.4 33.3 99.9

150 176.3 0.0 351.2



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





#73

Isopropylbenzene

Concen: 57.616 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

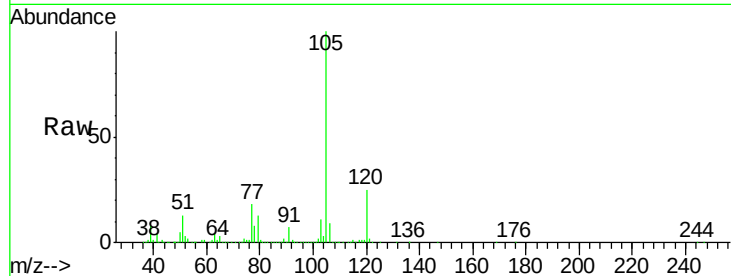
ClientSampleId :

Tot Ion: 105 Resp: 1166395

Ion Ratio Lower Upper

105 100

120 25.0 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

0

12.46

12.45

12.44

12.43

12.42

12.41

12.40

12.39

12.38

12.37

12.36

12.35

12.34

12.33

12.32

12.31

12.30

12.29

12.28

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

12.10

12.09

12.08

12.07

12.06

12.05

12.04

12.03

12.02

12.01

12.00

11.99

11.98

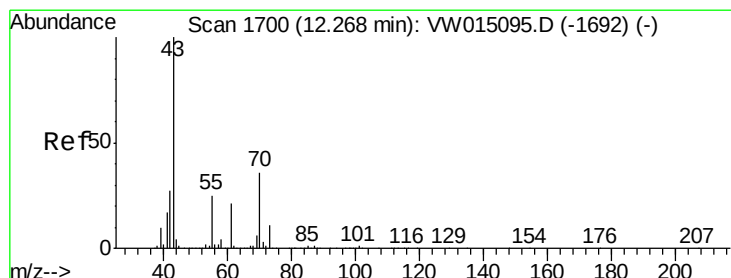
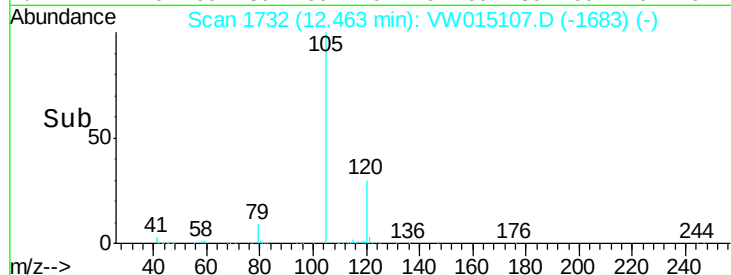
11.97

11.96

11.95

11.94

11.93



#74

N-ethyl acetate

Concen: 51.797 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Tgt Ion: 43 Resp: 348106

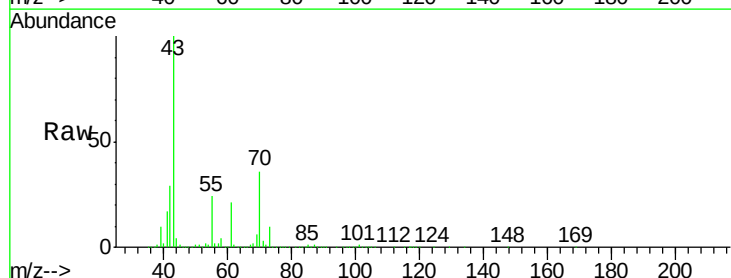
Ion Ratio Lower Upper

43 100

70 35.8 29.4 44.2

55 25.3 20.3 30.5

61 21.3 17.1 25.7



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

300000

200000

100000

0

12.27

12.26

12.25

12.24

12.23

12.22

12.21

12.20

12.19

12.18

12.17

12.16

12.15

12.14

12.13

12.12

12.11

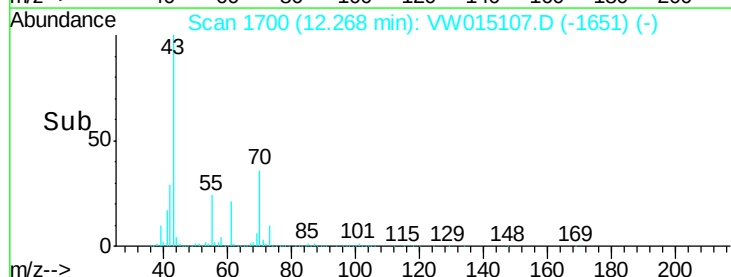
12.10

12.09

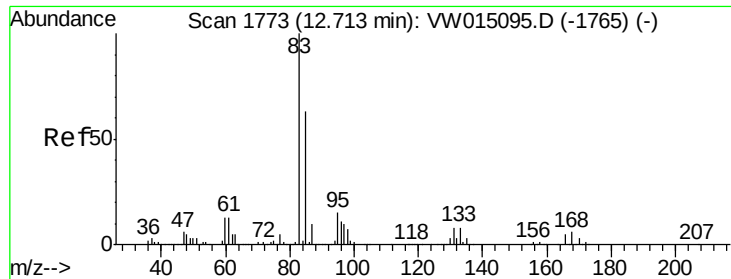
12.08

12.07

12.06



Time-->



#75

1,1,2,2-Tetrachloroethane

Concen: 55.122 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

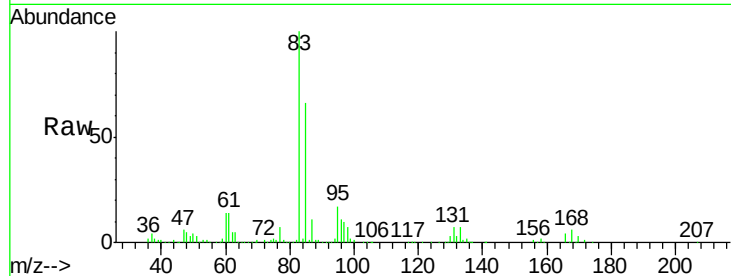
Tot Ion: 83 Resp: 226600

Ion Ratio Lower Upper

83 100

131 8.5 4.3 13.1

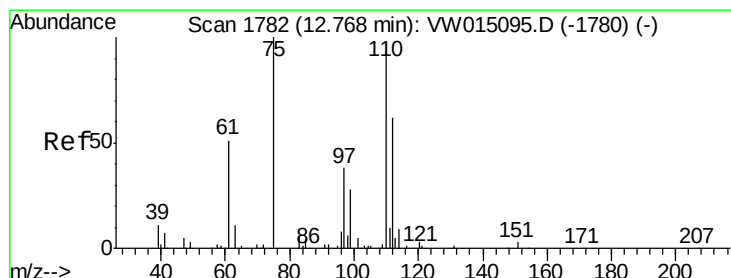
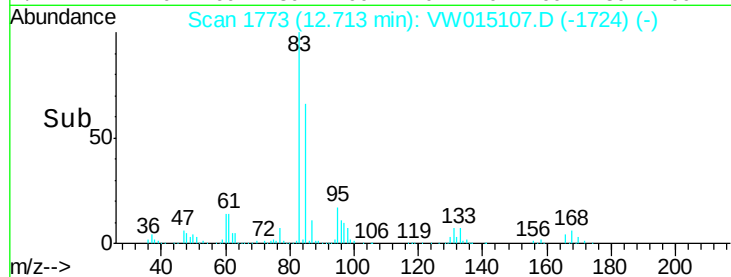
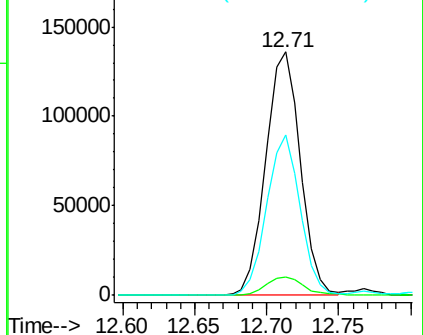
85 63.9 31.5 94.5



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 101.334 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW015107.D

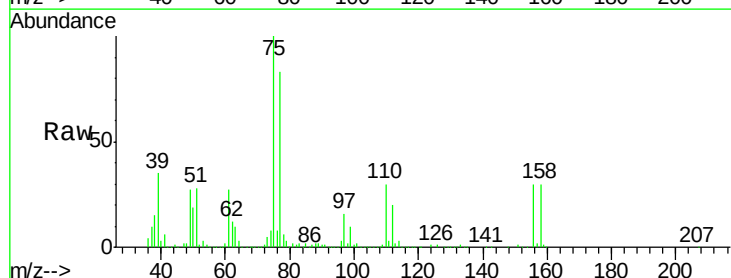
Acq: 10 Mar 2020 10:46

Tgt Ion: 75 Resp: 303518

Ion Ratio Lower Upper

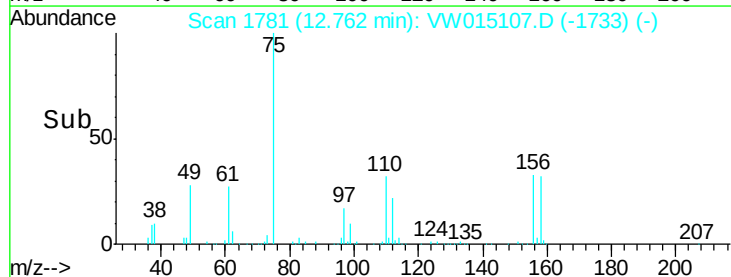
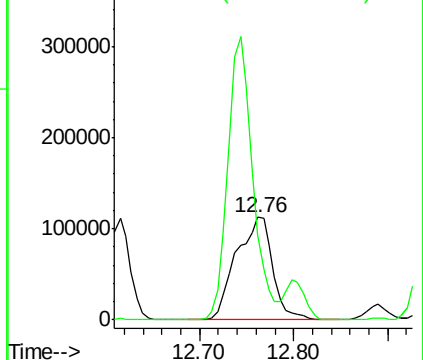
75 100

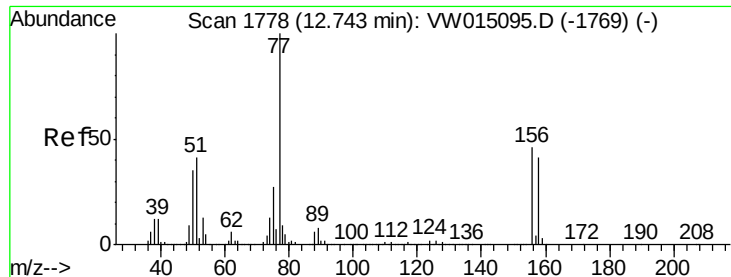
77 187.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 55.440 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampleId :

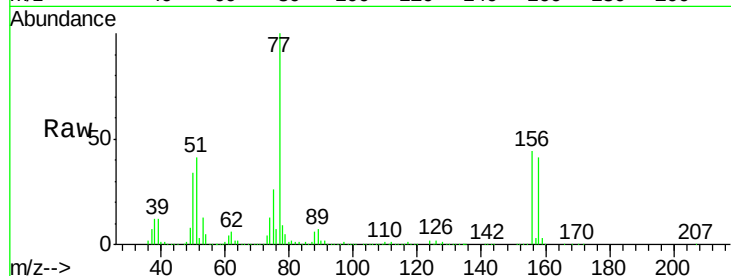
Tot Ion:156 Resp: 221834

Ion Ratio Lower Upper

156 100

77 256.7 126.6 379.8

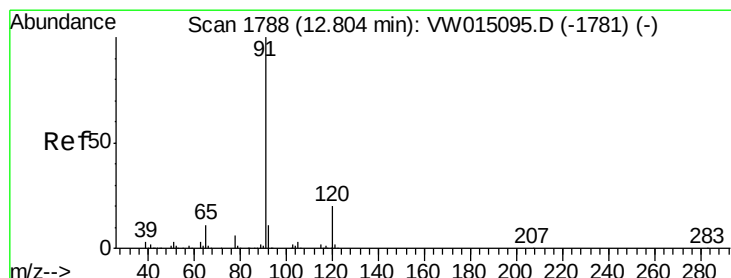
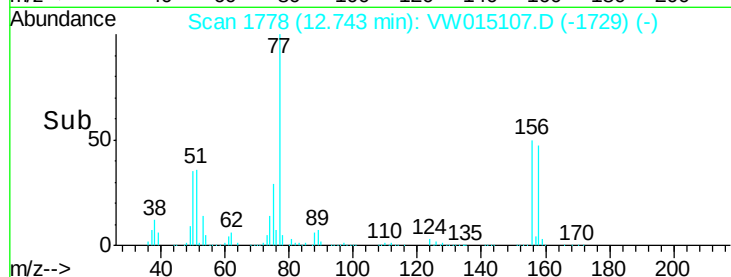
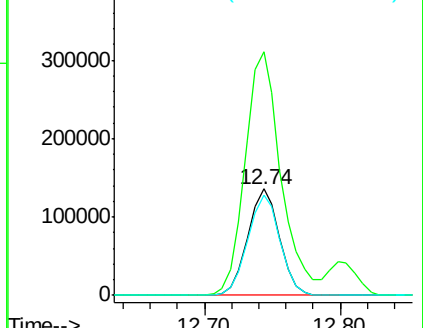
158 95.6 47.4 142.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 58.700 ug/l

RT: 12.80 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VW015107.D

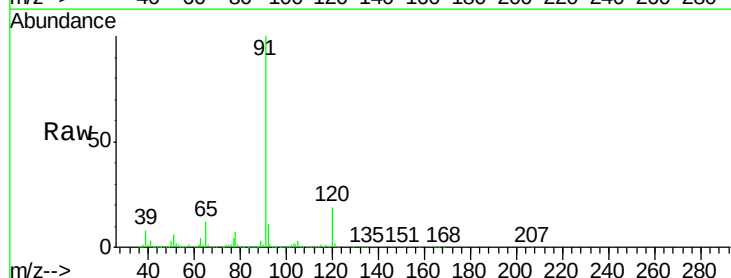
Acq: 10 Mar 2020 10:46

Tgt Ion: 91 Resp: 1544376

Ion Ratio Lower Upper

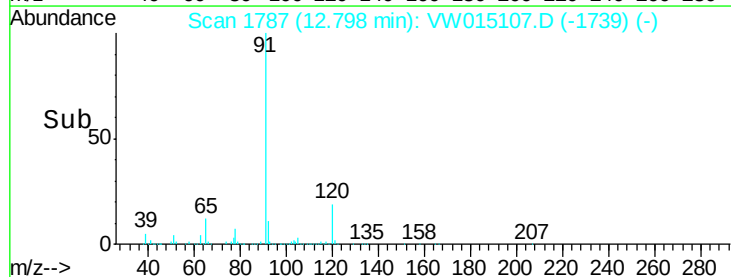
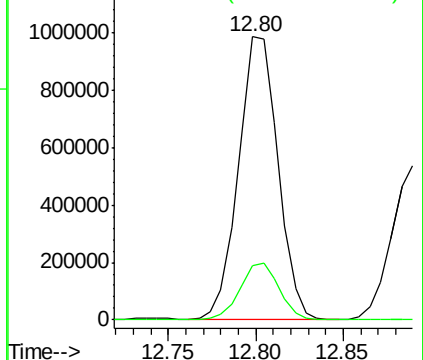
91 100

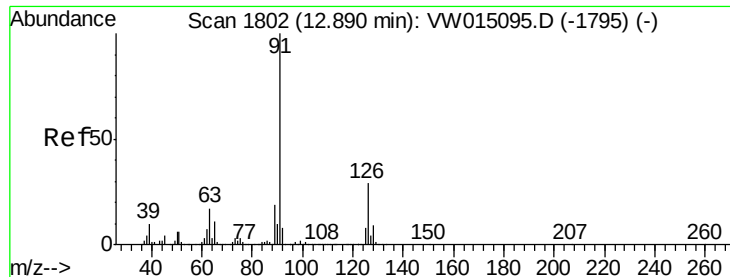
120 19.9 10.2 30.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.804 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

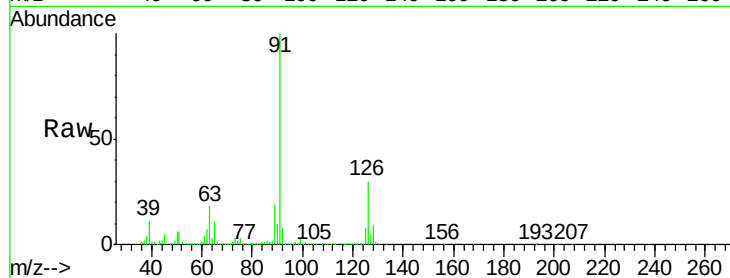
ClientSampleId :

Tot Ion: 91 Resp: 840258

Ion Ratio Lower Upper

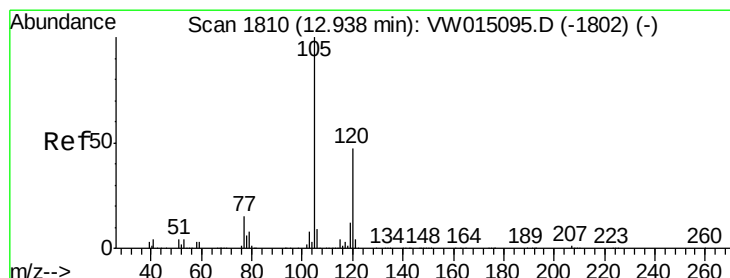
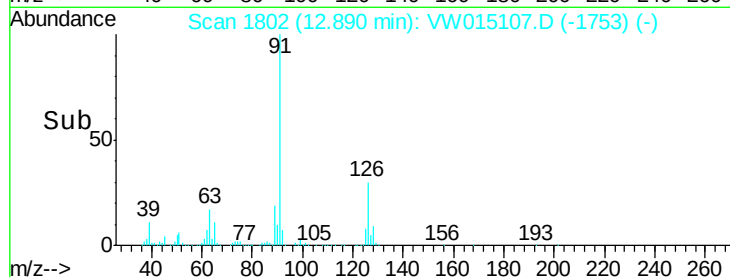
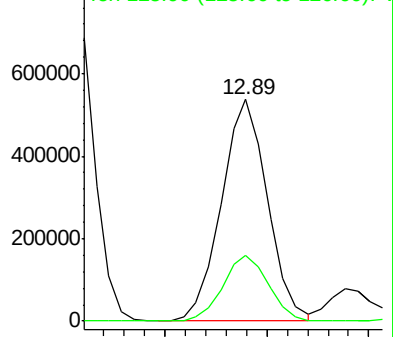
91 100

126 29.6 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.469 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW015107.D

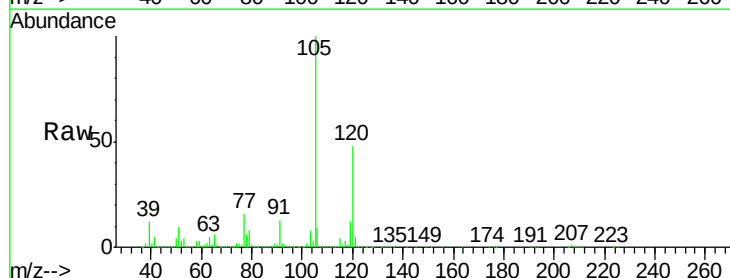
Acq: 10 Mar 2020 10:46

Tgt Ion:105 Resp: 1000332

Ion Ratio Lower Upper

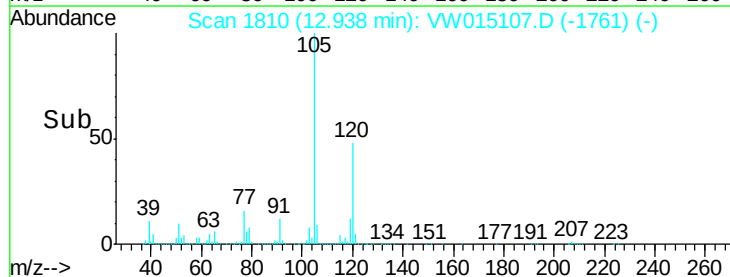
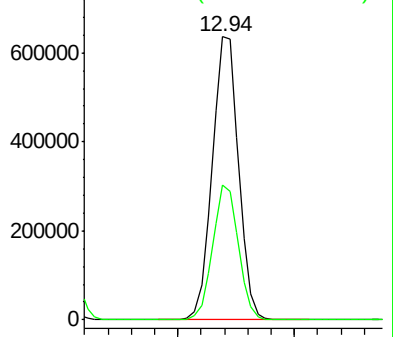
105 100

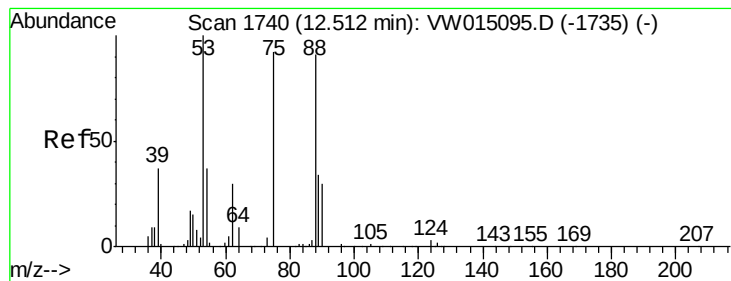
120 46.8 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.428 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

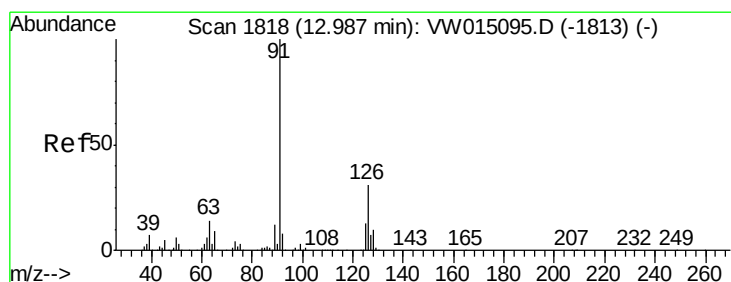
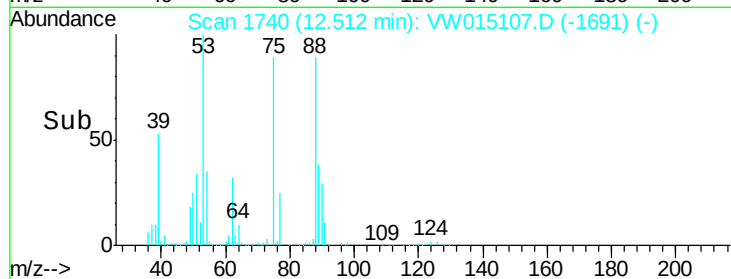
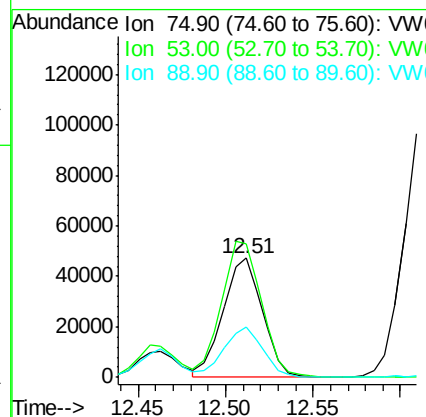
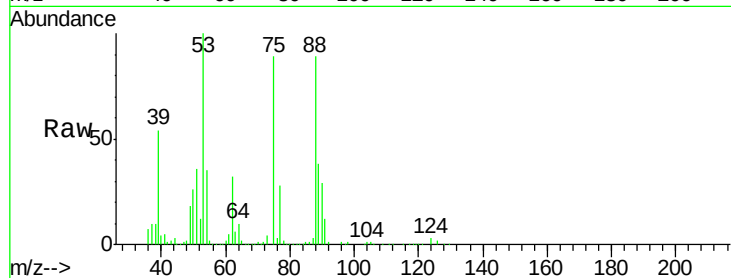
Tot Ion: 75 Resp: 73504

Ion Ratio Lower Upper

75 100

53 116.8 88.4 132.6

89 42.7 33.1 49.7



#82

4-Chlorotoluene

Concen: 56.813 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW015107.D

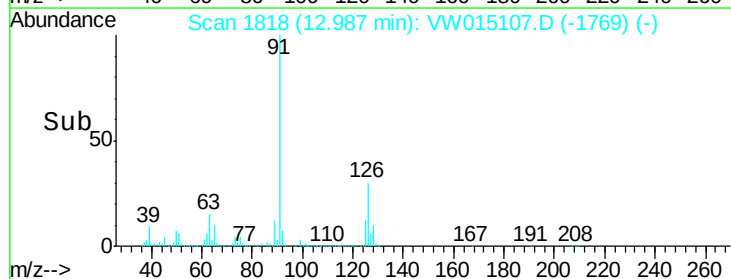
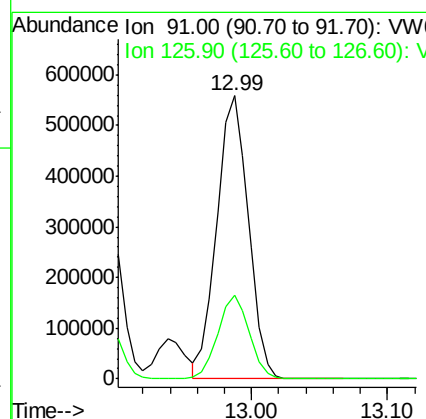
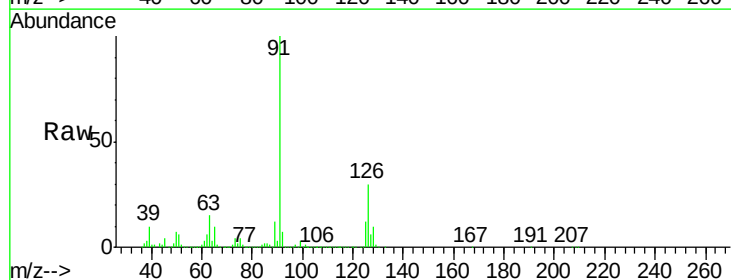
Acq: 10 Mar 2020 10:46

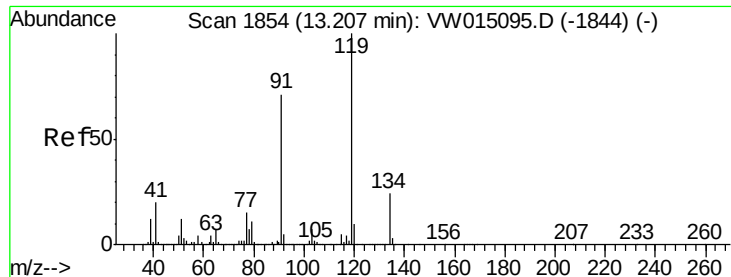
Tgt Ion: 91 Resp: 894970

Ion Ratio Lower Upper

91 100

126 29.3 14.8 44.4

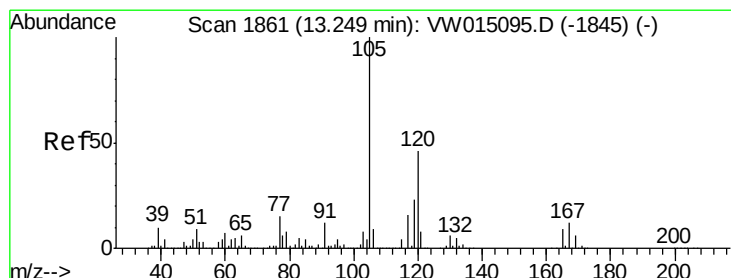
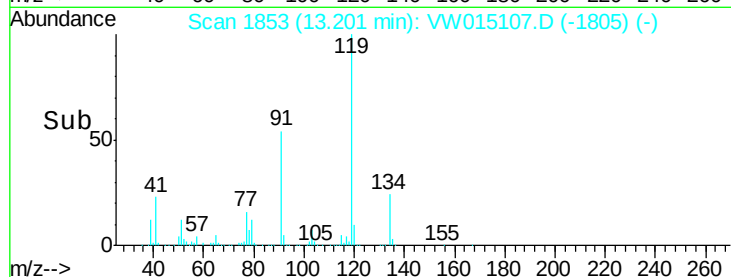
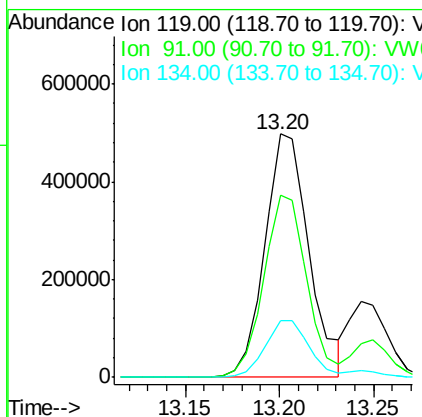
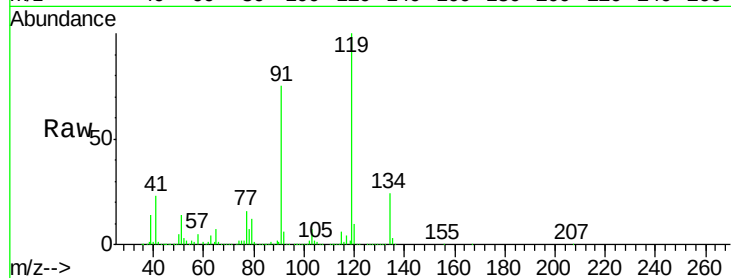




#83
 tert-Butylbenzene
 Concen: 57.493 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

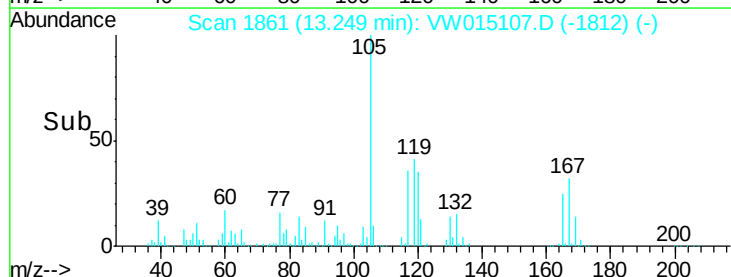
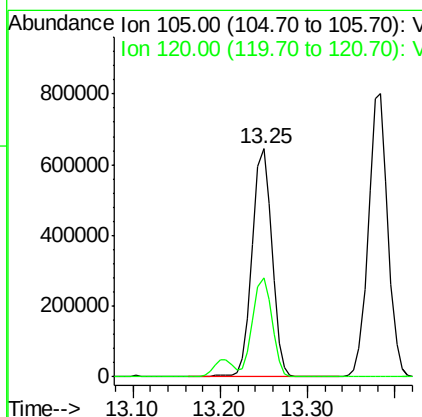
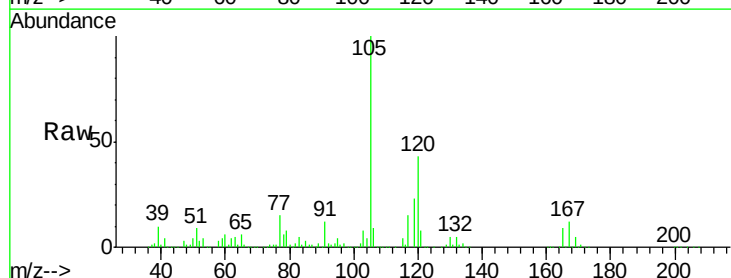
Instrument :
 MSVOA_W
 ClientSampleId :

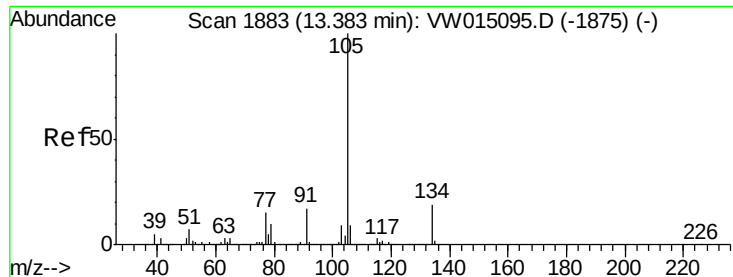
Tot Ion:119 Resp: 810727
 Ion Ratio Lower Upper
 119 100
 91 72.5 35.7 107.1
 134 23.7 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 58.011 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion:105 Resp: 1009661
 Ion Ratio Lower Upper
 105 100
 120 43.0 22.1 66.3

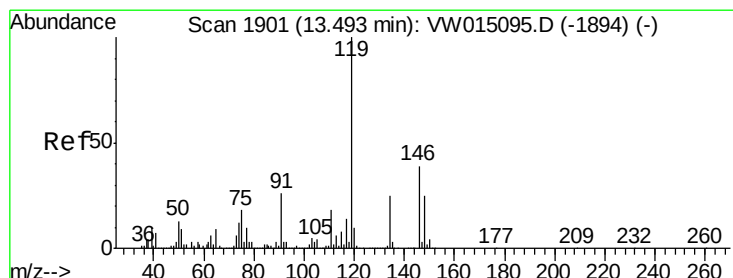
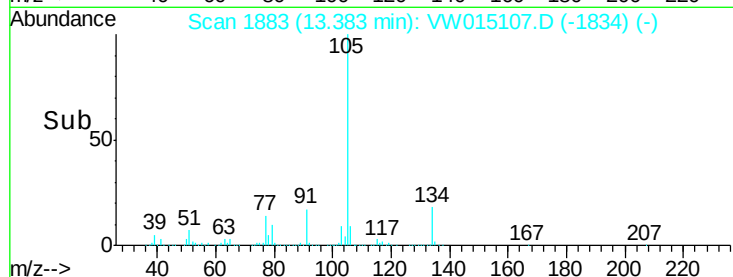
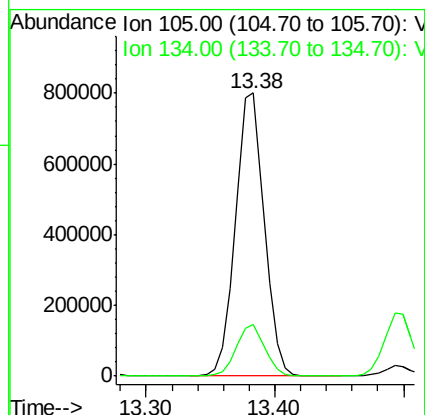
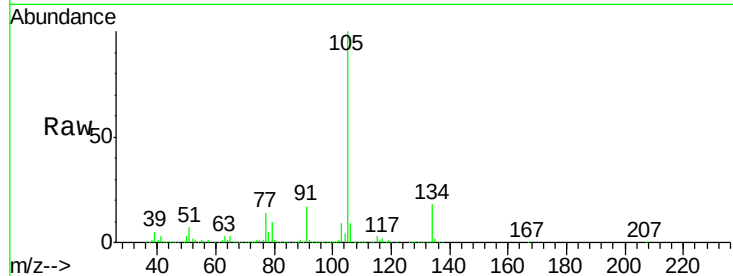




#85
 sec-Butylbenzene
 Concen: 58.246 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

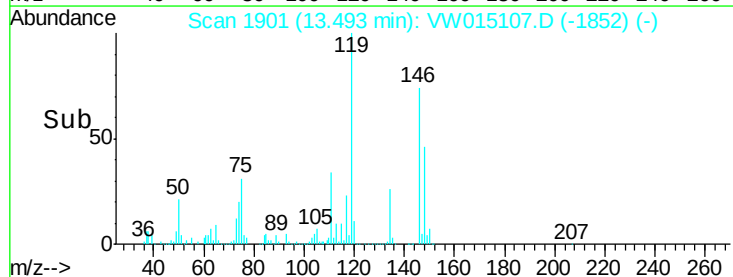
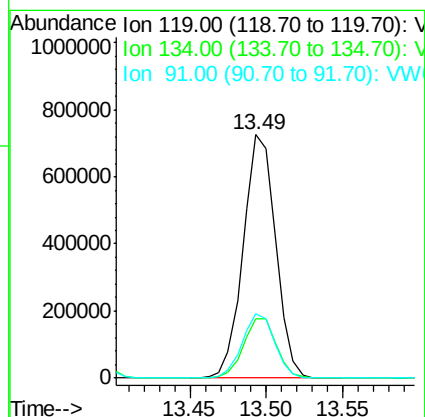
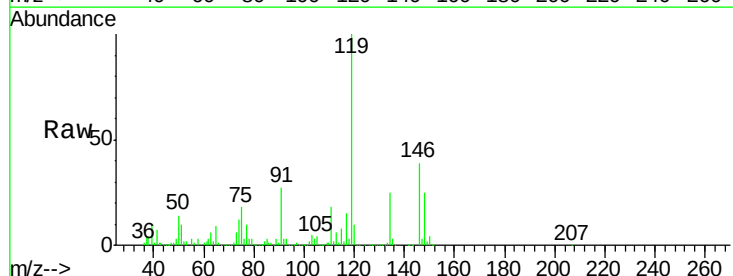
Instrument :
 MSVOA_W
 ClientSampleId :

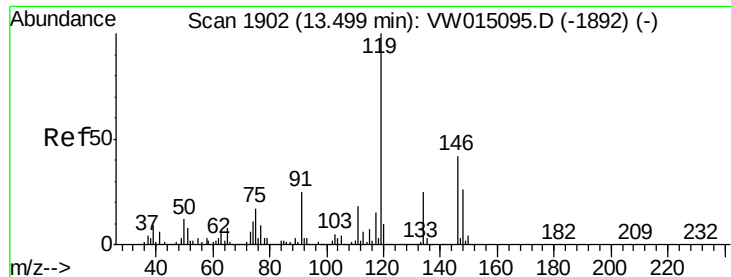
Tot Ion:105 Resp: 1243039
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 58.121 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion:119 Resp: 1066183
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 26.3 12.9 38.6

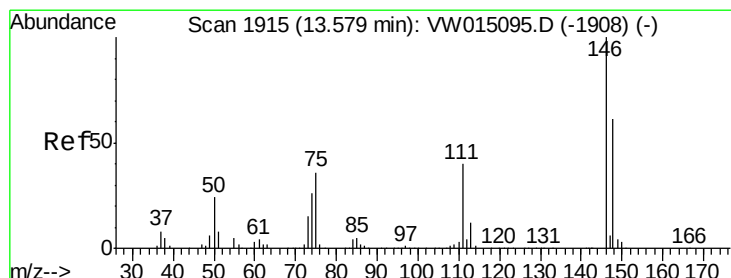
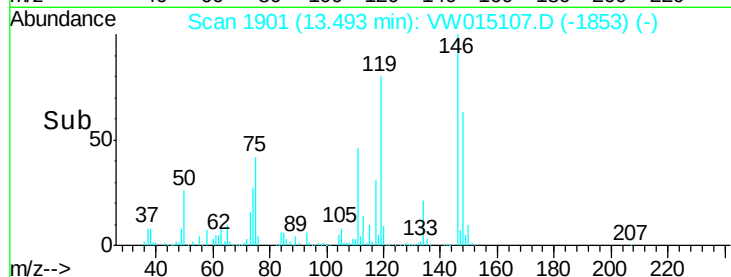
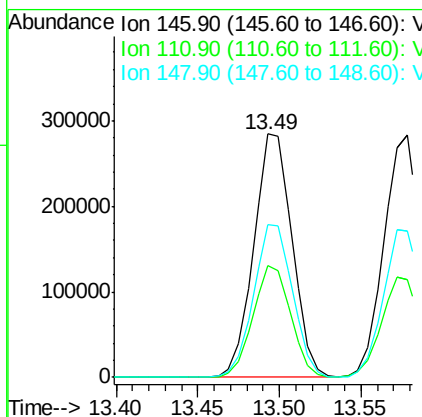
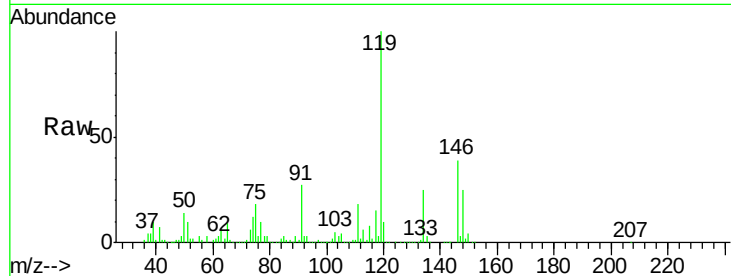




#87
 1,3-Dichlorobenzene
 Concen: 55.125 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

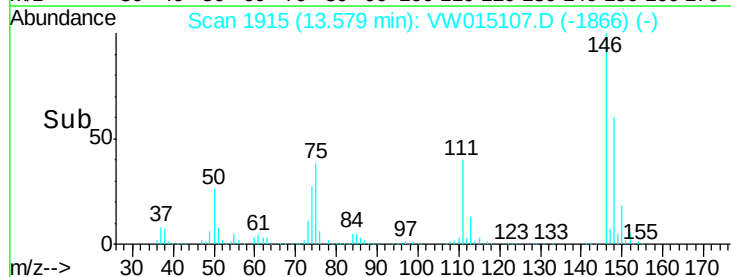
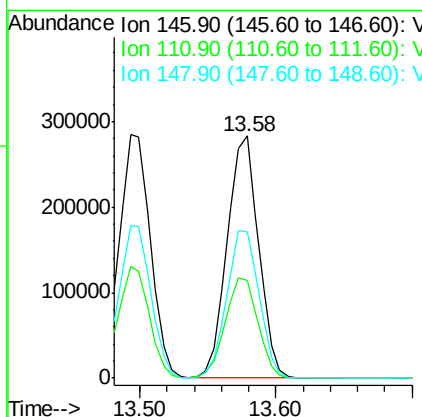
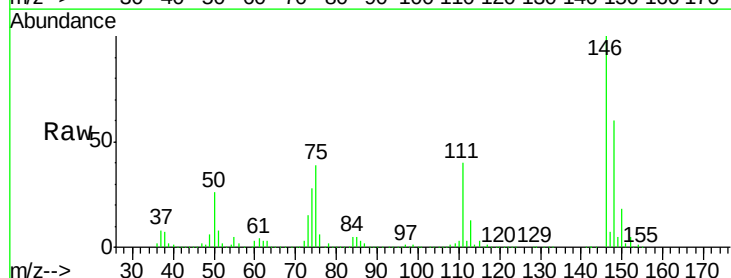
Instrument :
 MSVOA_W
 ClientSampled :

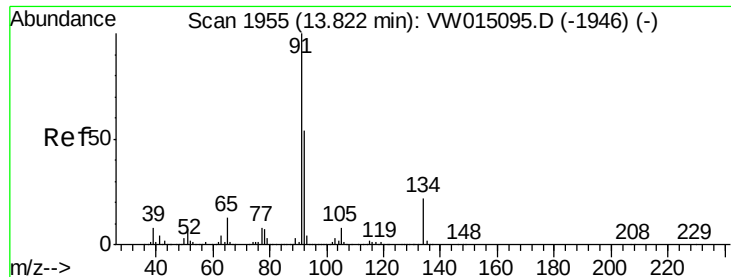
Tot Ion:146 Resp: 467354
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.5 67.5
 148 63.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 54.554 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion:146 Resp: 455415
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.3 63.9
 148 62.7 31.6 94.8





#89

n-Butylbenzene

Concen: 58.723 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015107.D

Acq: 10 Mar 2020 10:46

Instrument :

MSVOA_W

ClientSampled :

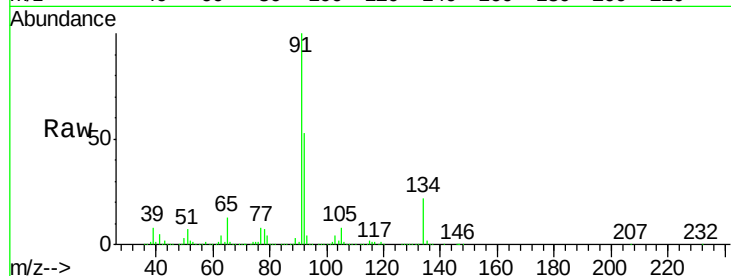
Tot Ion: 91 Resp: 1161730

Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	21.4	10.8	32.4

91 100

92 52.9 26.8 80.3

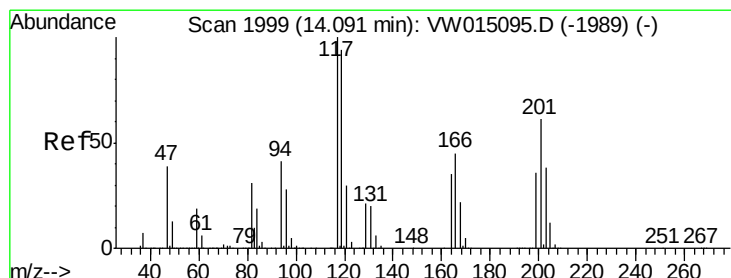
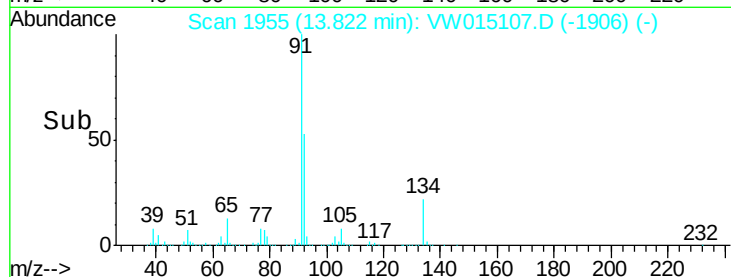
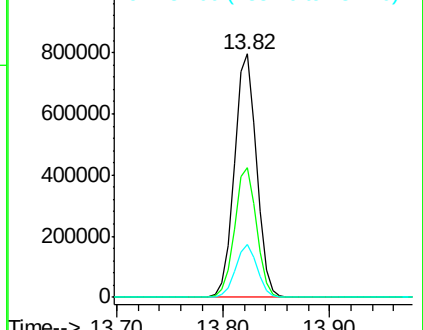
134 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 53.871 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW015107.D

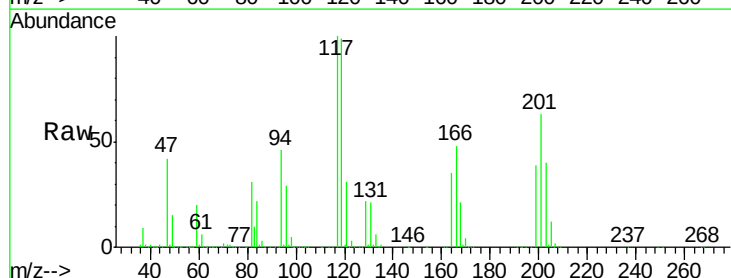
Acq: 10 Mar 2020 10:46

Tgt Ion: 117 Resp: 198189

Ion	Ratio	Lower	Upper
117	100		
201	60.7	30.3	90.9

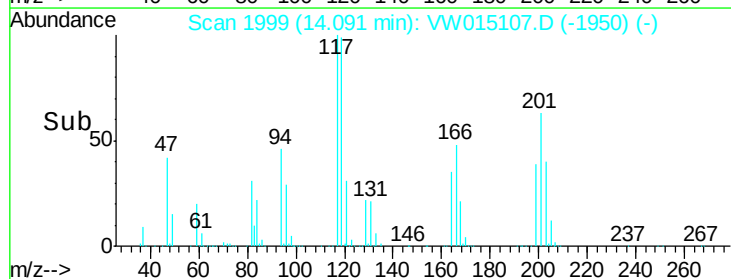
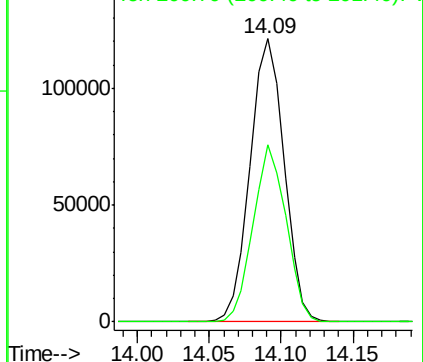
117 100

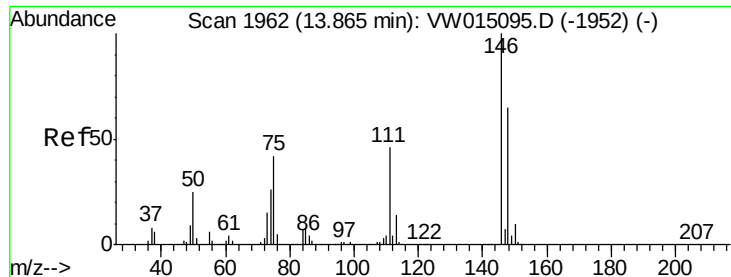
201 60.7 30.3 90.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

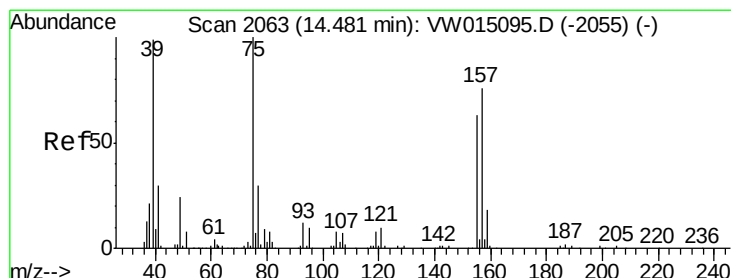
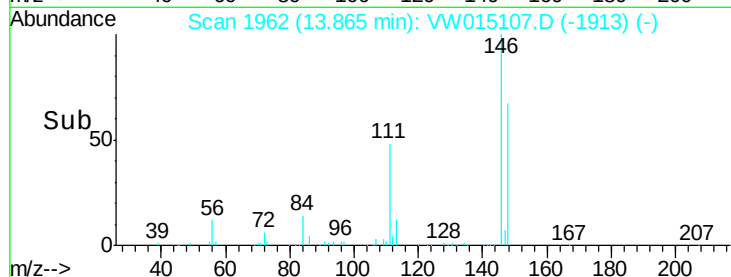
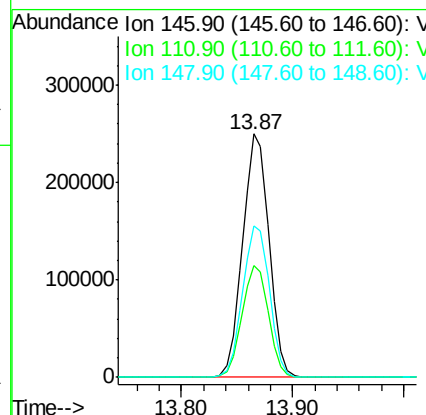
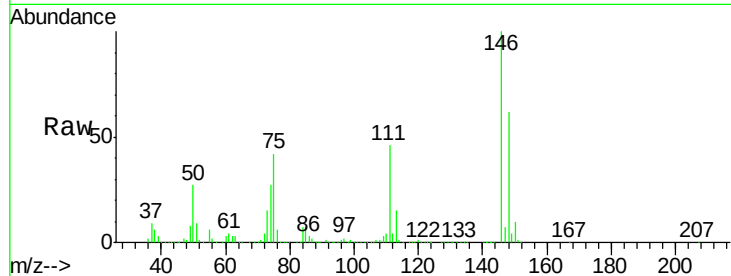




#91
 1,2-Dichlorobenzene
 Concen: 54.954 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

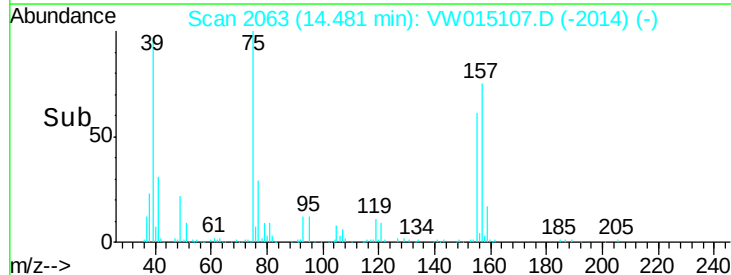
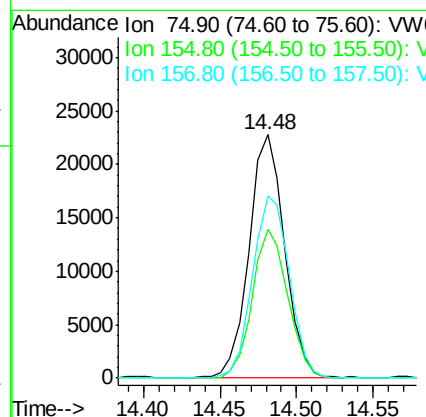
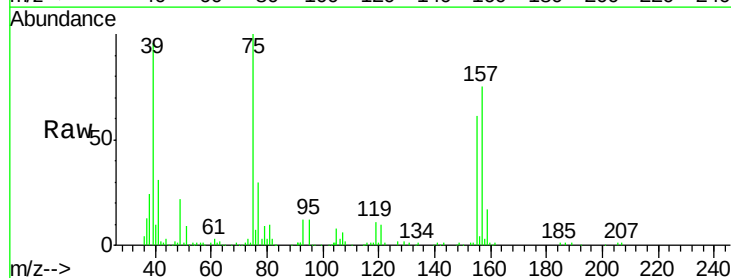
Instrument :
 MSVOA_W
 ClientSampleId :

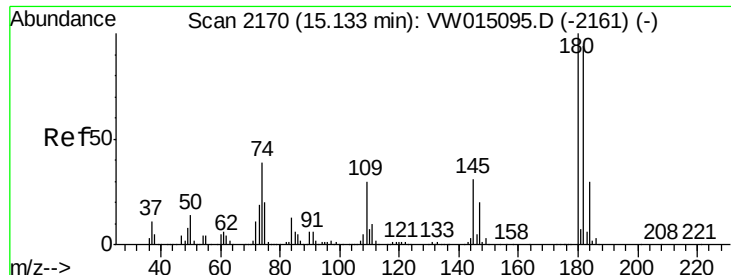
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	23.1	69.2
148	63.7	32.3	96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.883 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.6	32.1	96.3
157	77.4	39.6	118.7

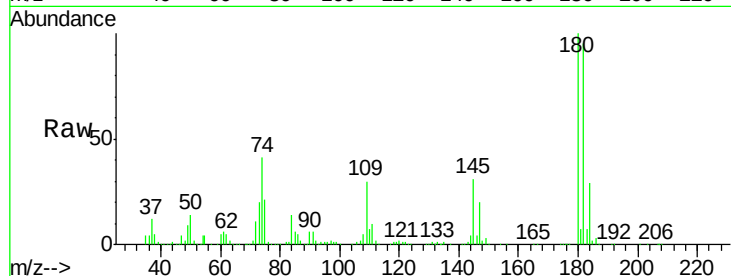




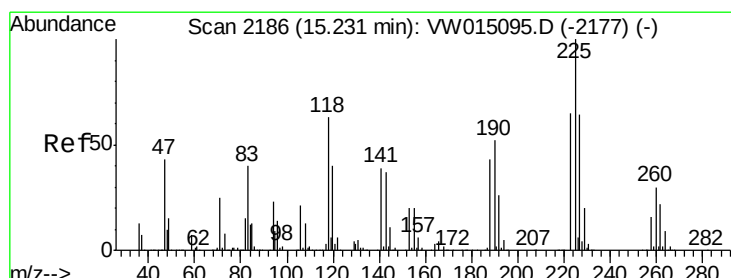
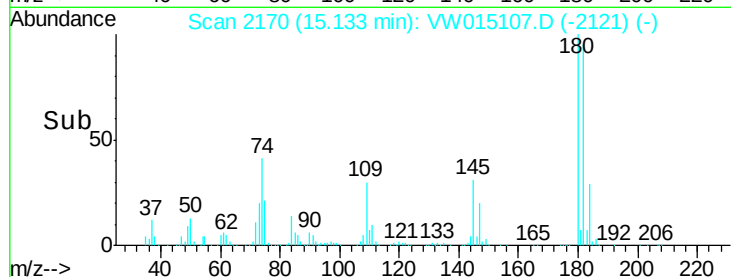
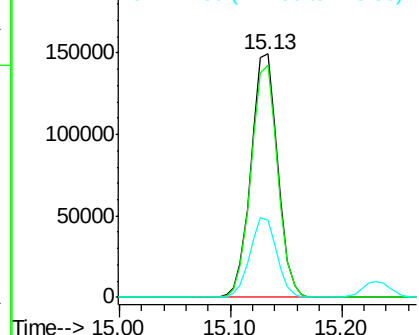
#93
 1,2,4-Trichlorobenzene
 Concen: 58.763 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.6	142.9
145	32.7	16.2	48.5

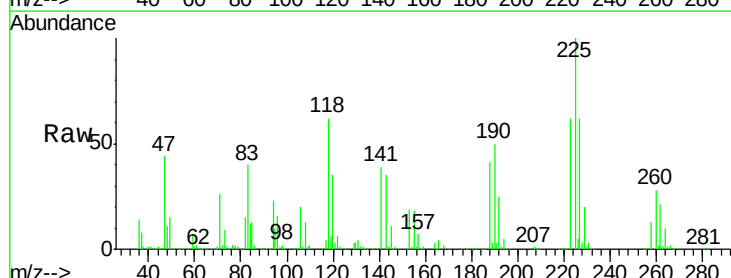


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

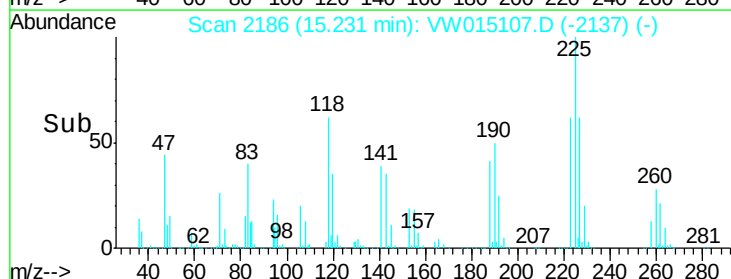
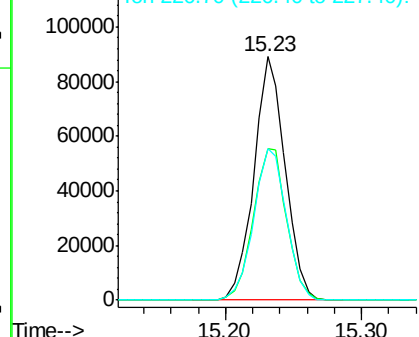


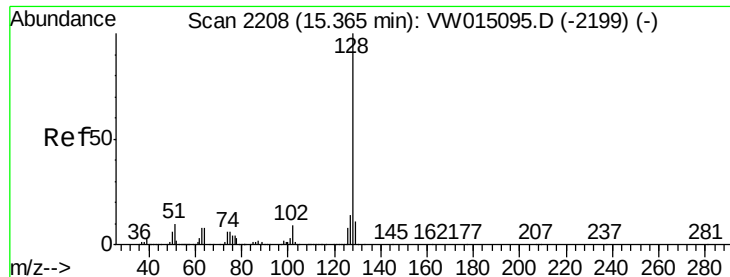
#94
 Hexachlorobutadiene
 Concen: 53.735 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW015107.D
 Acq: 10 Mar 2020 10:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	32.5	97.4
227	65.0	33.0	99.0



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

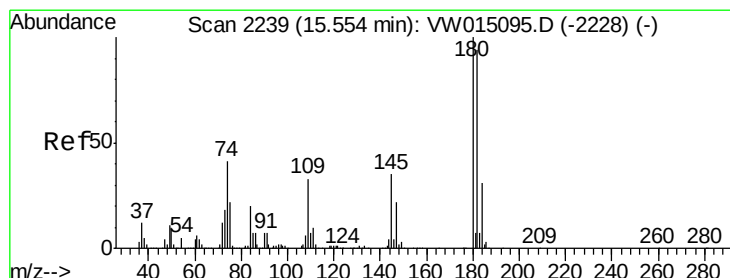
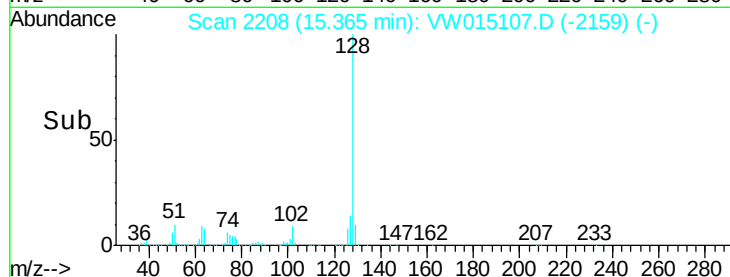
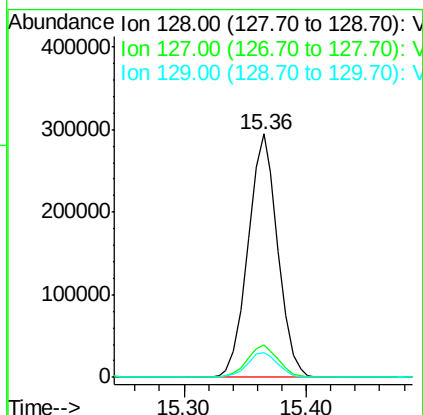
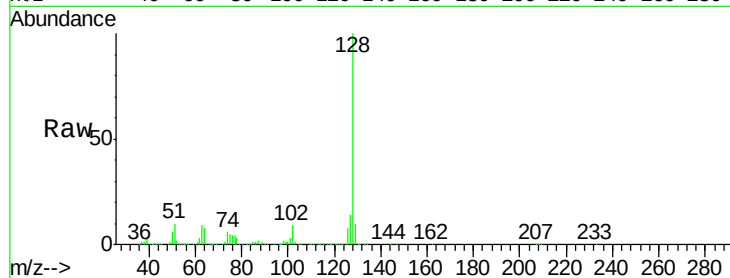




#95
Naphthalene
Concen: 53.293 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 497281
Ion Ratio Lower Upper
128 100
127 13.5 10.7 16.1
129 10.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 59.003 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW015107.D
Acq: 10 Mar 2020 10:46

Tgt Ion:180 Resp: 222370
Ion Ratio Lower Upper
180 100
182 94.2 47.9 143.7
145 35.0 17.5 52.6

