

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW008988.D
 Acq On : 05 Mar 2019 10:28
 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 06 06:42:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	274404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	374965	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	357876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	196789	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	119563	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	7.88	113	112585	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.32	98	482755	55.55	ug/l	0.00
Spiked Amount			Recovery	=	111.10%	
62) 4-Bromofluorobenzene	12.62	95	181673	53.39	ug/l	0.00
Spiked Amount			Recovery	=	106.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	127666	46.452	ug/l	97
3) Chloromethane	2.21	50	152018	45.439	ug/l	100
4) Vinyl Chloride	2.35	62	154077	43.498	ug/l	97
5) Bromomethane	2.76	94	120278	45.717	ug/l	95
6) Chloroethane	2.92	64	106523	42.350	ug/l	98
7) Trichlorofluoromethane	3.26	101	211694	47.254	ug/l	99
8) Diethyl Ether	3.69	74	54625	38.514	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128120	47.095	ug/l	99
10) Methyl Iodide	4.27	142	116807	34.336	ug/l	99
11) Tert butyl alcohol	5.17	59	36554	159.538	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	111874	46.564	ug/l	97
13) Acrolein	3.90	56	48181	203.368	ug/l	98
14) Allyl chloride	4.67	41	190552	45.953	ug/l	97
15) Acrylonitrile	5.37	53	119394	196.149	ug/l	99
16) Acetone	4.12	43	142681	239.175	ug/l	94
17) Carbon Disulfide	4.38	76	357356	44.829	ug/l	99
18) Methyl Acetate	4.67	43	56409	39.866	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	260384	40.040	ug/l	100
20) Methylene Chloride	4.91	84	131396	44.110	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	126316	45.451	ug/l	93
22) Diisopropyl ether	6.31	45	375006	45.335	ug/l	99
23) Vinyl Acetate	6.26	43	1068979	209.161	ug/l	99
24) 1,1-Dichloroethane	6.21	63	221222	46.152	ug/l	99
25) 2-Butanone	7.17	43	173599	208.147	ug/l	96
26) 2,2-Dichloropropane	7.17	77	209823	48.216	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	133033	44.749	ug/l	100
28) Bromochloromethane	7.51	49	89941	44.839	ug/l	99
29) Tetrahydrofuran	7.52	42	97636	183.700	ug/l	99
30) Chloroform	7.68	83	226647	46.091	ug/l	96
31) Cyclohexane	7.95	56	221460	45.643	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	215870	48.273	ug/l	98
36) 1,1-Dichloropropene	8.08	75	187254	51.302	ug/l	100
37) Ethyl Acetate	7.25	43	70904	41.773	ug/l	99
38) Carbon Tetrachloride	8.07	117	196021	50.923	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	231344	50.814	ug/l	99
40) Benzene	8.32	78	502668	50.439	ug/l	100
41) Methacrylonitrile	7.48	41	45316	45.420	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	144108	45.648	ug/l	99
43) Isopropyl Acetate	8.43	43	137356	40.547	ug/l	99
44) Trichloroethene	9.09	130	138907	49.478	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122902	49.906	ug/l	93
46) Dibromomethane	9.46	93	61790	45.108	ug/l	97
47) Bromodichloromethane	9.64	83	163726	49.125	ug/l	93
48) Methyl methacrylate	9.43	41	67490	41.597	ug/l	97
49) 1,4-Dioxane	9.45	88	19496	888.740	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	355451	206.673	ug/l	100
52) Toluene	10.39	92	348613	51.543	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	160827	47.343	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	190295	49.116	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	83539	44.969	ug/l	98
56) Ethyl methacrylate	10.65	69	104299	43.214	ug/l	95
57) 1,3-Dichloropropane	10.93	76	148881	45.391	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	281735	232.092	ug/l	98
59) 2-Hexanone	10.97	43	283603	231.649	ug/l	99
60) Dibromochloromethane	11.13	129	107098	47.265	ug/l	98
61) 1,2-Dibromoethane	11.23	107	82597	44.918	ug/l	99
64) Tetrachloroethene	10.86	164	128173	50.034	ug/l	99
65) Chlorobenzene	11.66	112	374896	49.819	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	123237	48.434	ug/l	99
67) Ethyl Benzene	11.73	91	701714	52.163	ug/l	99
68) m/p-Xylenes	11.84	106	557448	103.713	ug/l	99
69) o-Xylene	12.17	106	254803	50.507	ug/l	99
70) Styrene	12.18	104	410957	50.633	ug/l	100
71) Bromoform	12.35	173	61540	44.995	ug/l #	97
73) Isopropylbenzene	12.46	105	722859	53.582	ug/l	100
74) N-amyl acetate	12.27	43	146337	43.063	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	97861	44.395	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	138943	85.516	ug/l #	100
77) Bromobenzene	12.75	156	157914	49.534	ug/l	99
78) n-propylbenzene	12.80	91	887057	53.754	ug/l	100
79) 2-Chlorotoluene	12.90	91	491318	52.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	623875	53.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29207	43.702	ug/l	96
82) 4-Chlorotoluene	12.99	91	512943	51.952	ug/l	100
83) tert-Butylbenzene	13.21	119	527669	52.054	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	626176	51.597	ug/l	100
85) sec-Butylbenzene	13.38	105	793368	54.429	ug/l	99
86) p-Isopropyltoluene	13.50	119	704024	52.687	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	331837	50.169	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	326645	50.107	ug/l	99
89) n-Butylbenzene	13.83	91	685213	54.736	ug/l	99
90) Hexachloroethane	14.10	117	118994	54.398	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	288679	48.983	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17103	42.891	ug/l	99

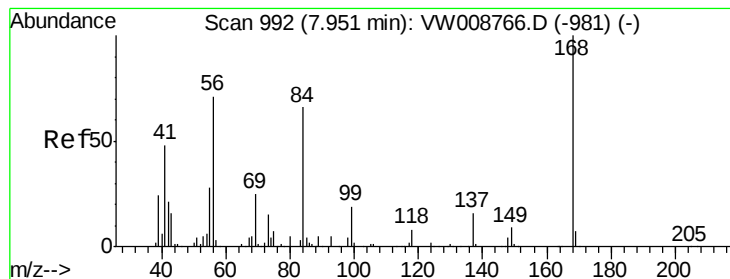
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	207036	48.756	ug/l	99
94) Hexachlorobutadiene	15.24	225	136080	54.405	ug/l	99
95) Naphthalene	15.37	128	316528	43.780	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	176069	47.955	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

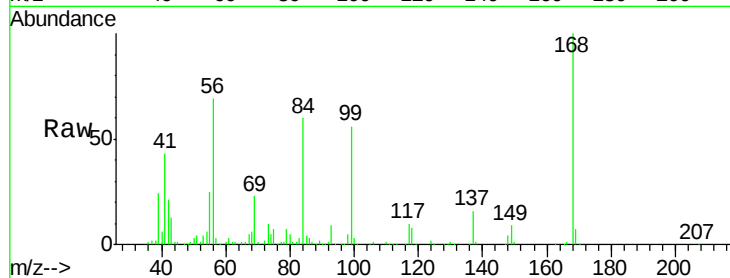
ClientSampled :

Tot Ion:168 Resp: 274404

Ion Ratio Lower Upper

168 100

99 56.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

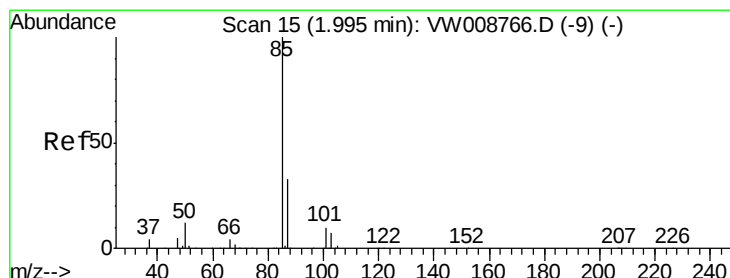
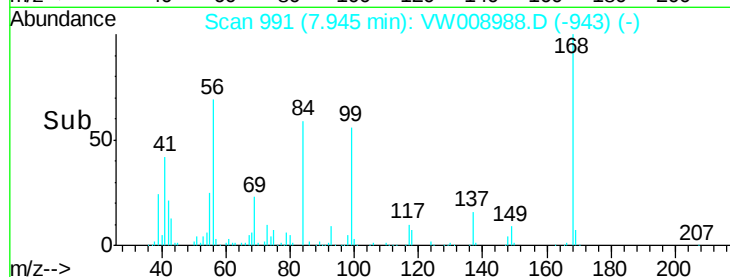
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.452 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008988.D

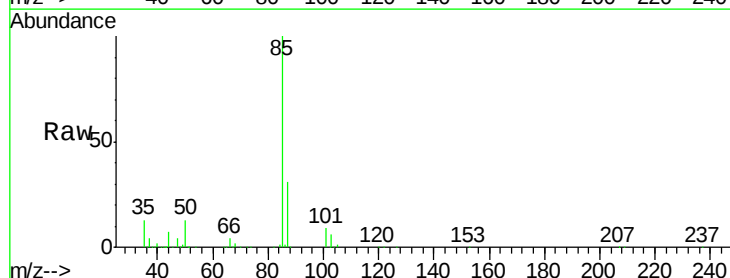
Acq: 05 Mar 2019 10:28

Tgt Ion: 85 Resp: 127666

Ion Ratio Lower Upper

85 100

87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

100000

80000

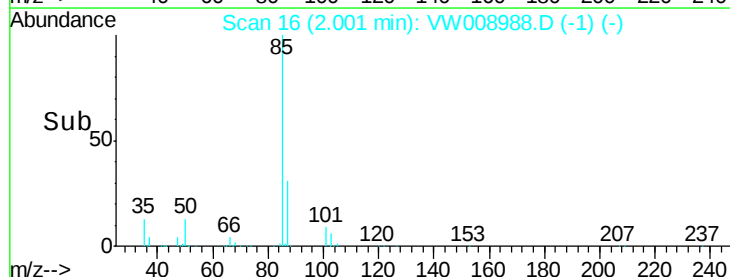
60000

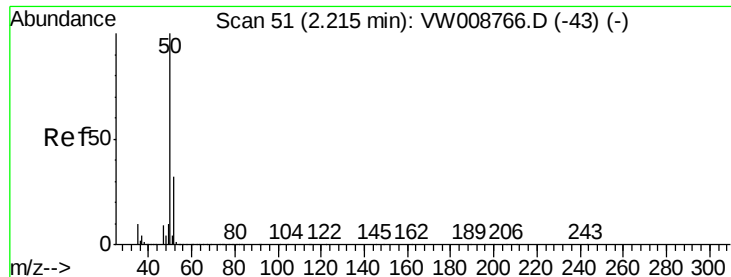
40000

20000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 45.439 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

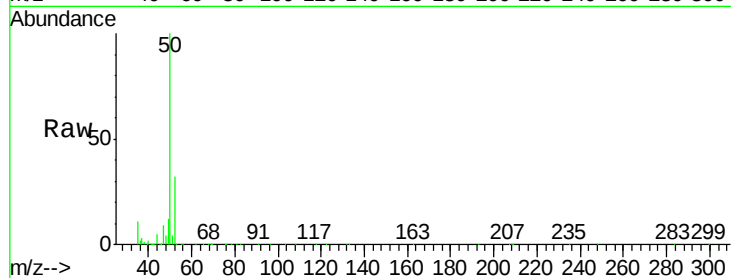
ClientSampleId :

Tot Ion: 50 Resp: 152018

Ion Ratio Lower Upper

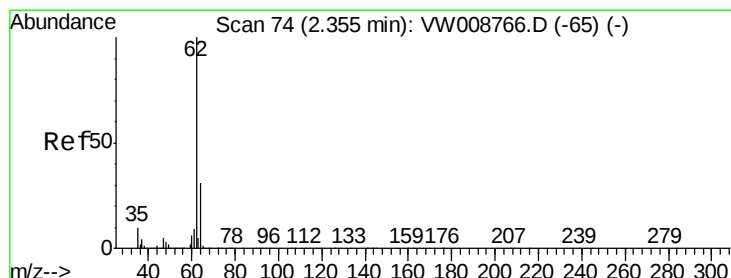
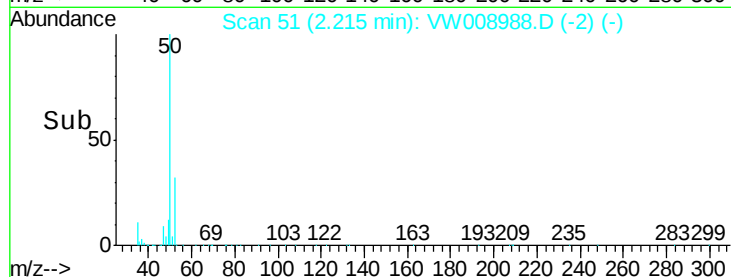
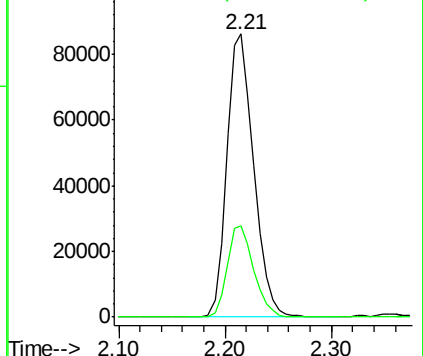
50 100

52 32.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 43.498 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008988.D

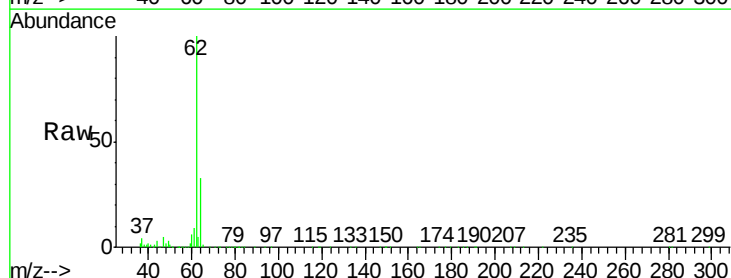
Acq: 05 Mar 2019 10:28

Tgt Ion: 62 Resp: 154077

Ion Ratio Lower Upper

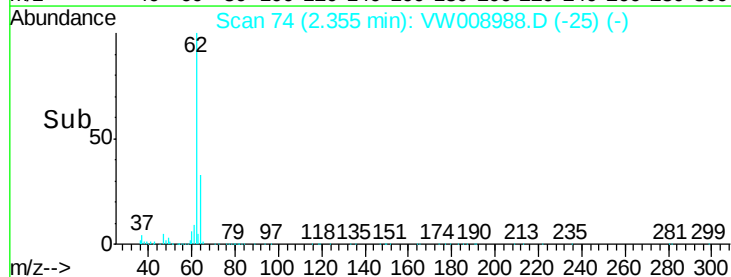
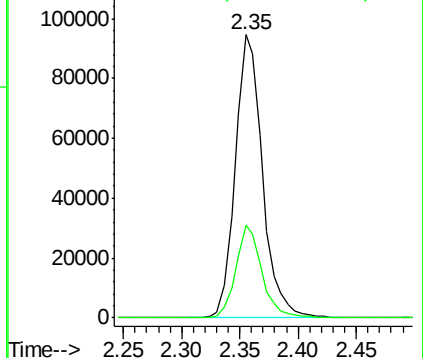
62 100

64 32.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 45.717 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

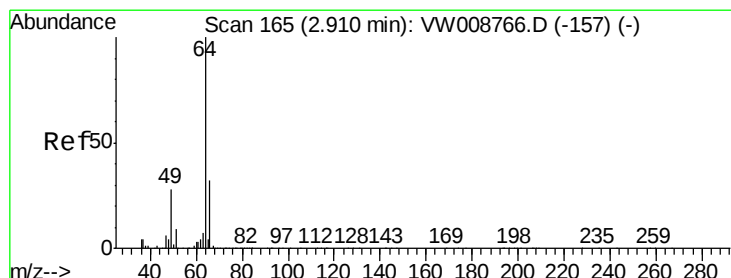
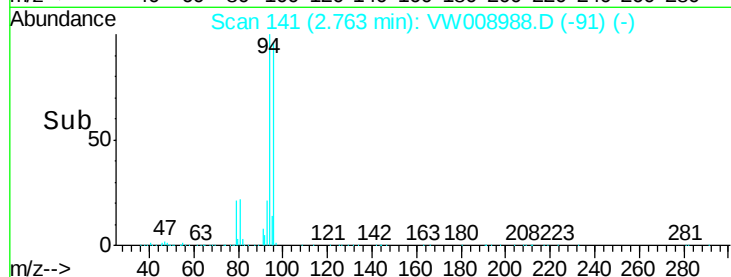
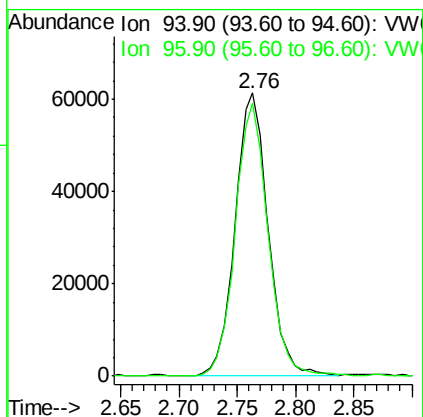
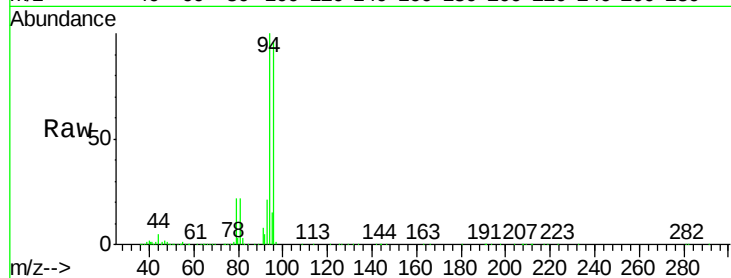
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 120278

Ion Ratio Lower Upper

94 100

96 96.6 73.4 110.2



#6

Chloroethane

Concen: 42.350 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008988.D

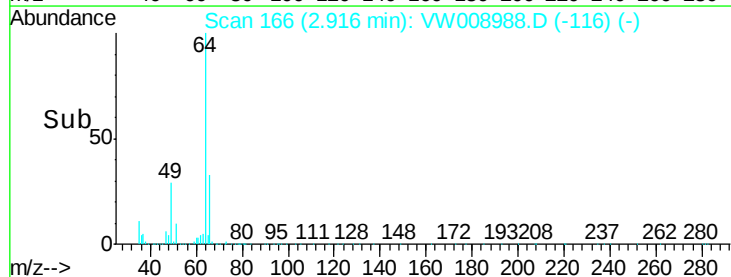
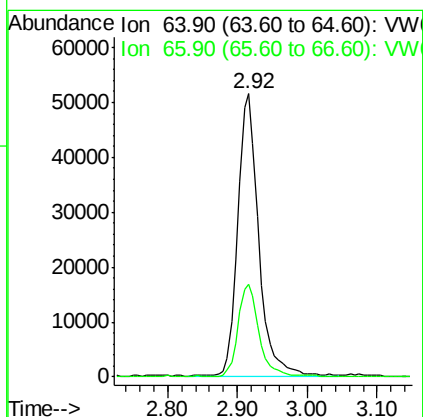
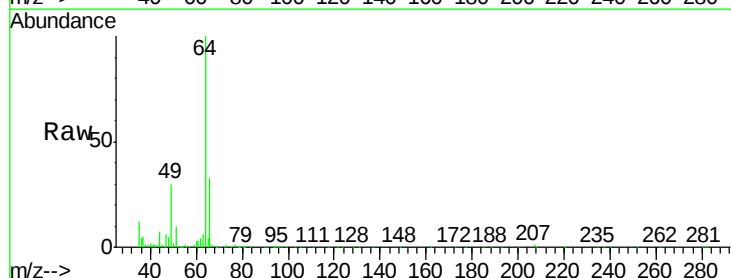
Acq: 05 Mar 2019 10:28

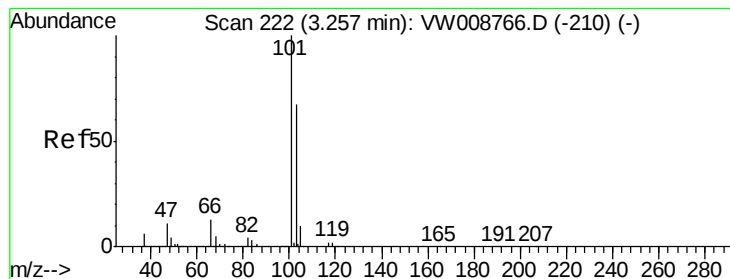
Tgt Ion: 64 Resp: 106523

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3



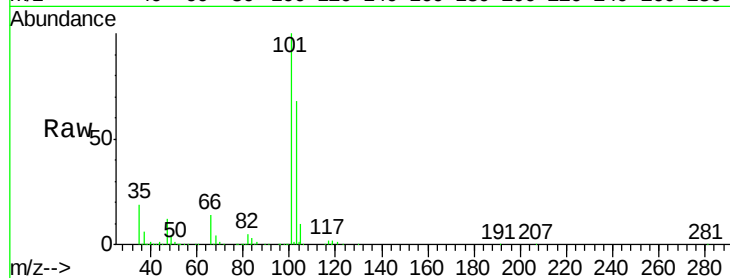


#7

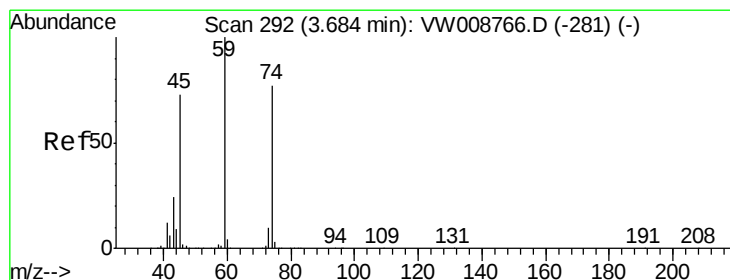
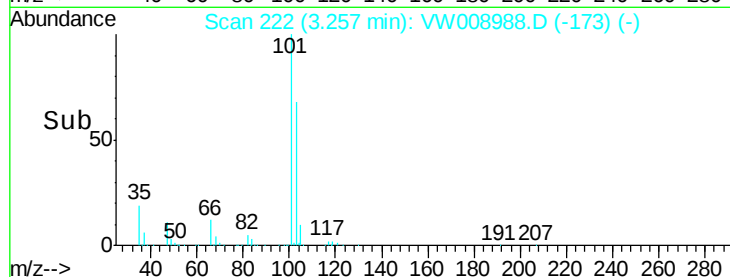
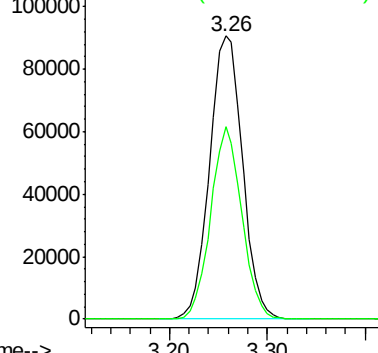
Trichlorofluoromethane
 Concen: 47.254 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:101 Resp: 211694
 Ion Ratio Lower Upper
 101 100
 103 68.1 53.9 80.9



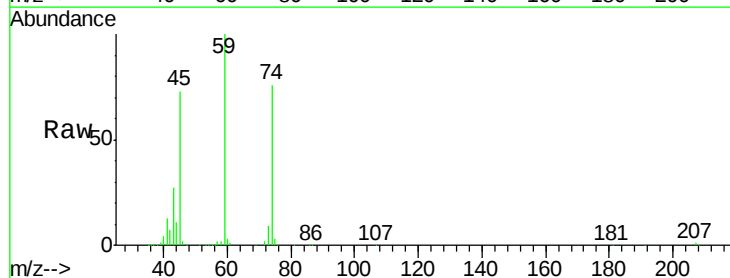
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



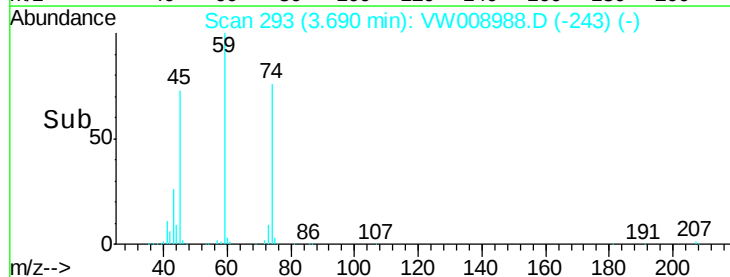
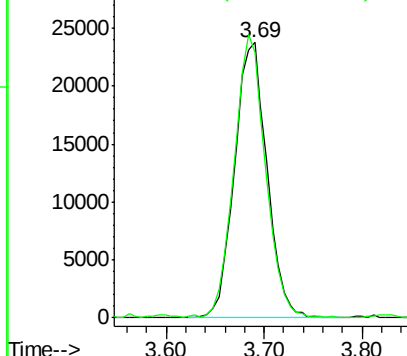
#8

Diethyl Ether
 Concen: 38.514 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 74 Resp: 54625
 Ion Ratio Lower Upper
 74 100
 45 99.9 50.2 150.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.095 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

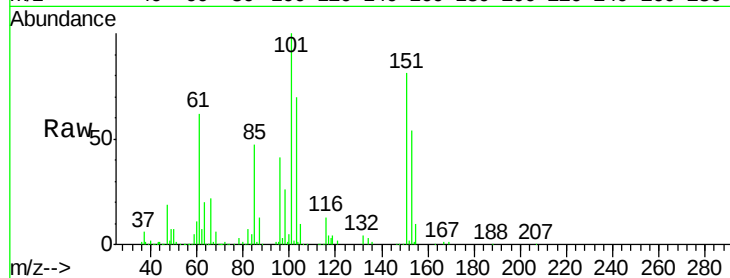
Tot Ion:101 Resp: 128120

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

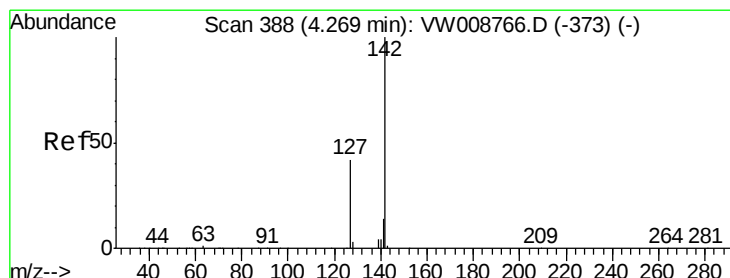
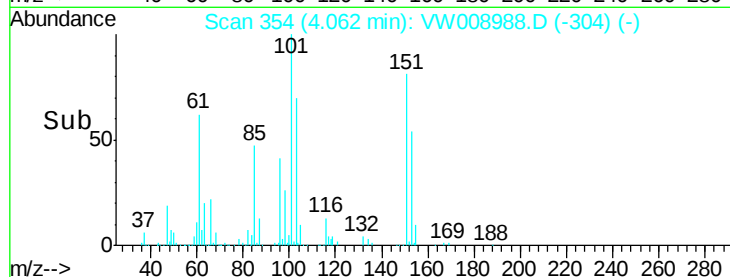
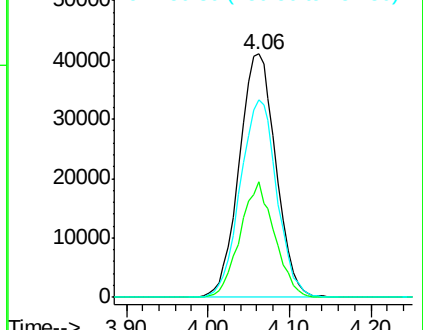
151 81.1 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.336 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

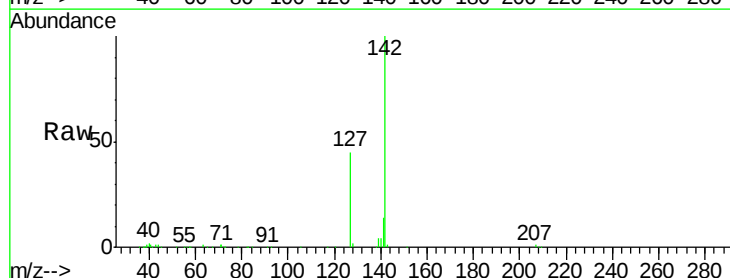
Tgt Ion:142 Resp: 116807

Ion Ratio Lower Upper

142 100

127 44.7 35.3 52.9

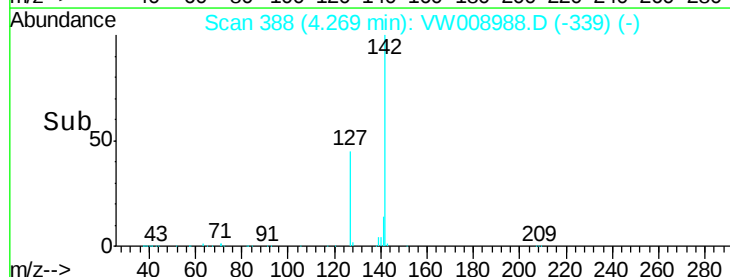
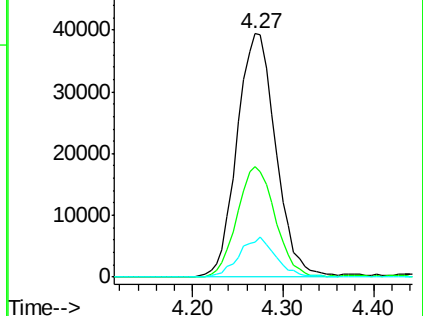
141 15.4 11.7 17.5

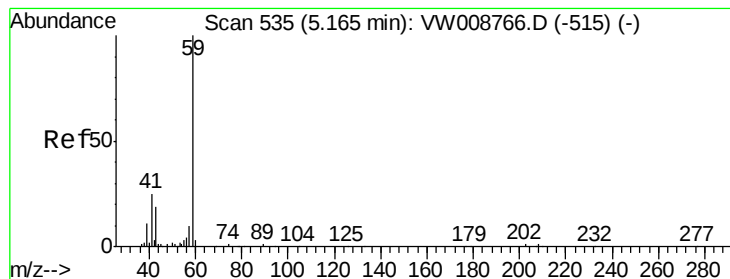


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



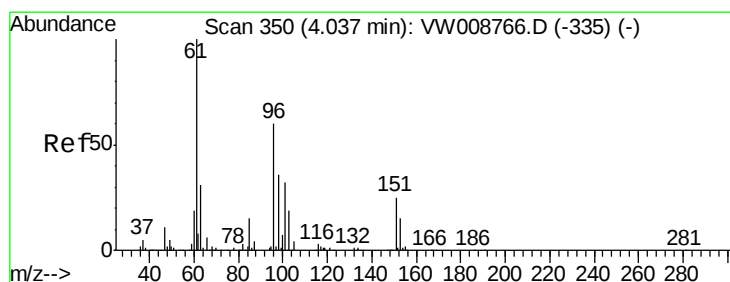
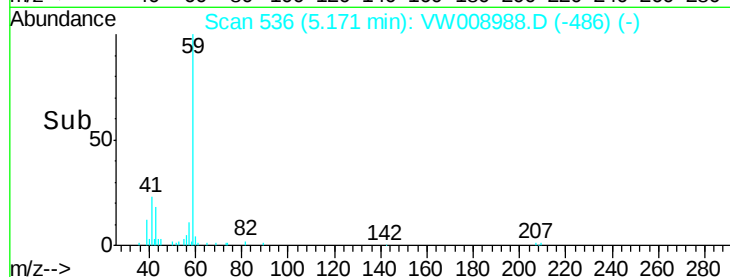
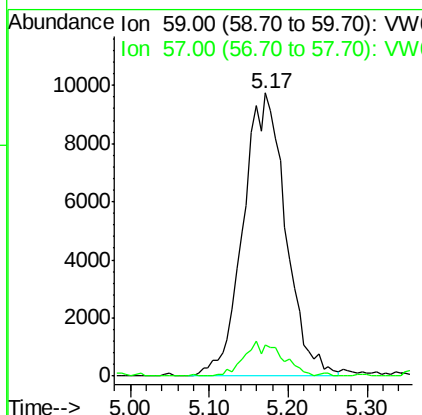
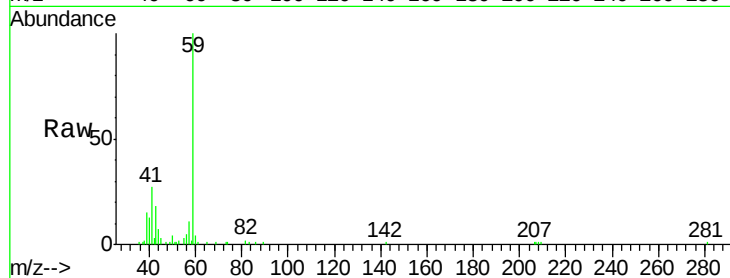


#11

Tert butyl alcohol
 Concen: 159.538 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampled :

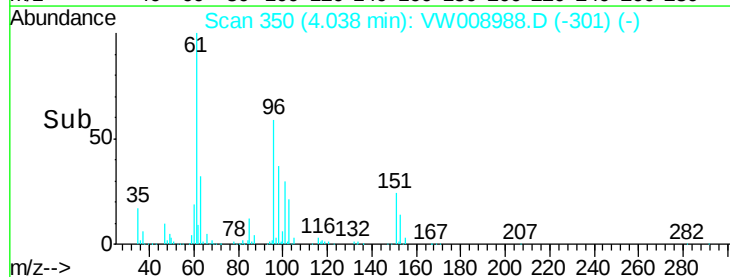
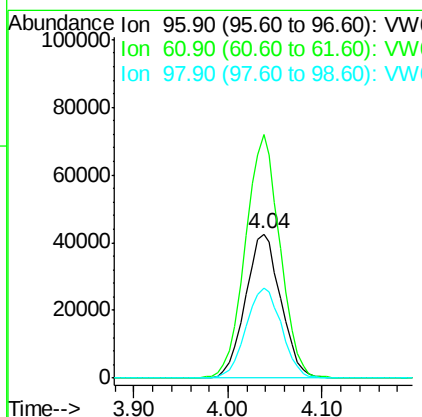
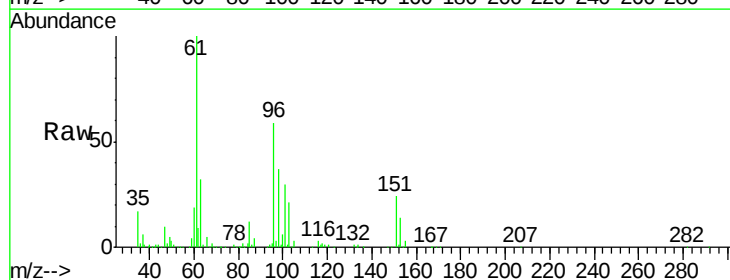
Tot Ion: 59 Resp: 36554
 Ion Ratio Lower Upper
 59 100
 57 5.1 9.3 13.9#

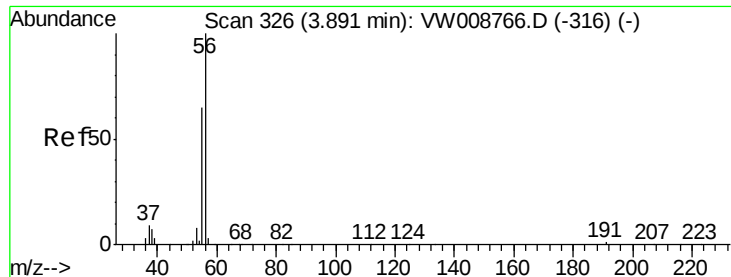


#12

1,1-Dichloroethene
 Concen: 46.564 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 96 Resp: 111874
 Ion Ratio Lower Upper
 96 100
 61 169.1 132.5 198.7
 98 62.7 48.2 72.4





#13

Acrolein

Concen: 203.368 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

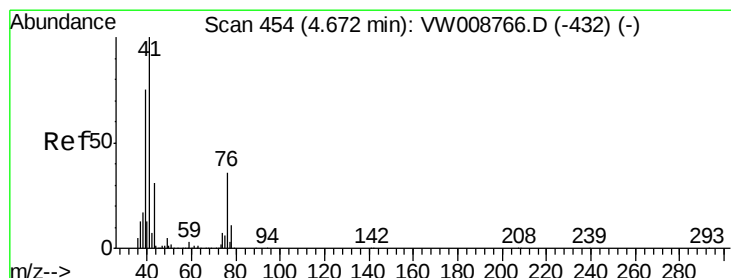
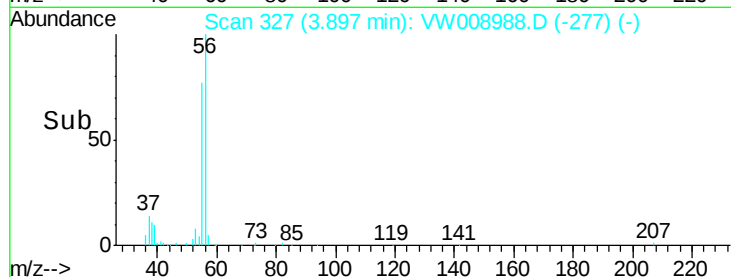
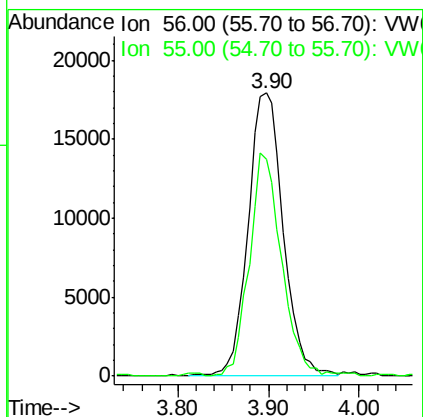
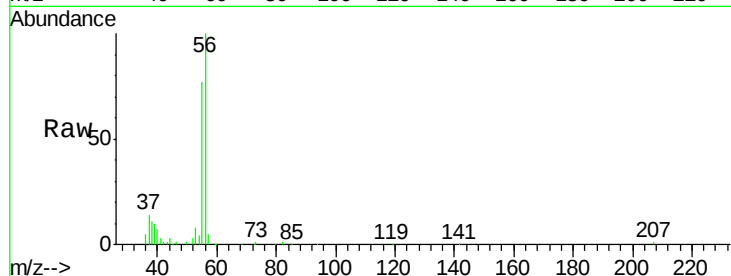
ClientSampleId :

Tot Ion: 56 Resp: 48181

Ion Ratio Lower Upper

56 100

55 72.7 56.9 85.3



#14

Allyl chloride

Concen: 45.953 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

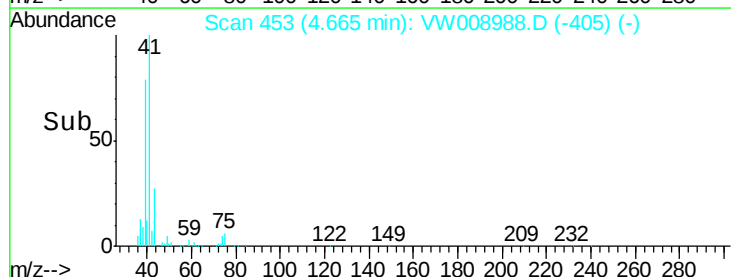
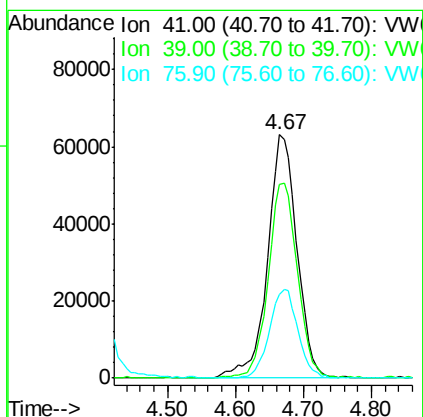
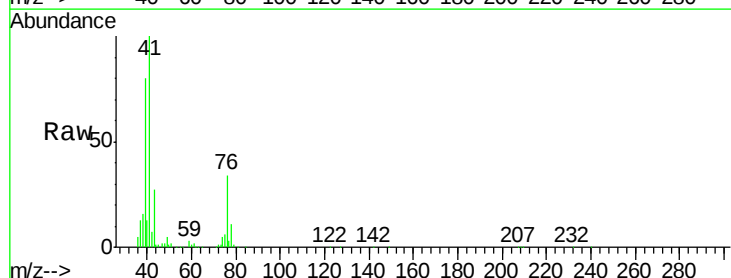
Tgt Ion: 41 Resp: 190552

Ion Ratio Lower Upper

41 100

39 78.8 60.6 91.0

76 35.4 28.6 42.8





#15

Acrylonitrile

Concen: 196.149 ug/l

RT: 5.37 min Scan# 568

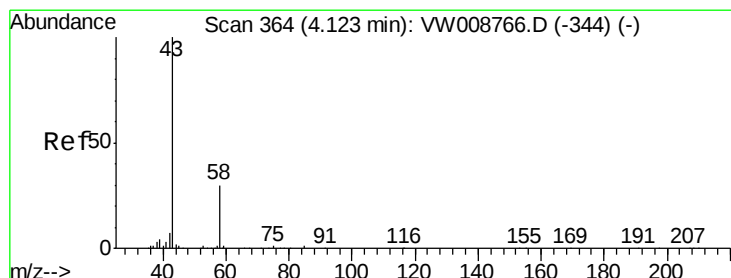
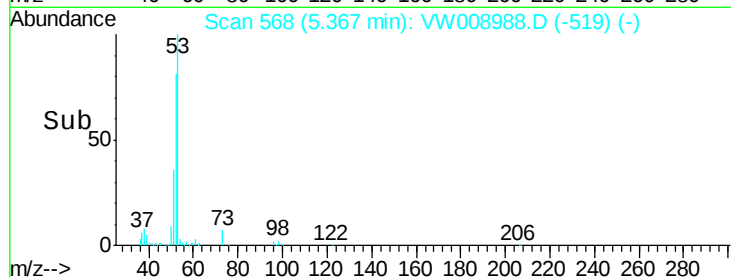
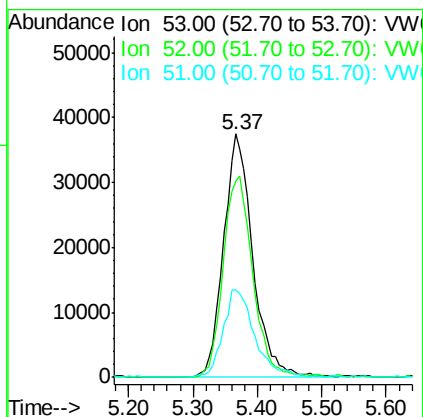
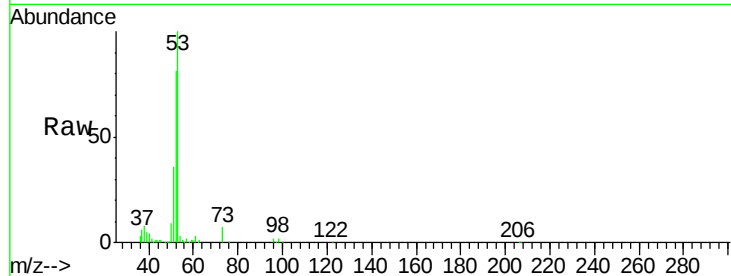
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	53	Resp:	119394
Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.2	100.8
51	39.0	31.1	46.7



#16

Acetone

Concen: 239.175 ug/l

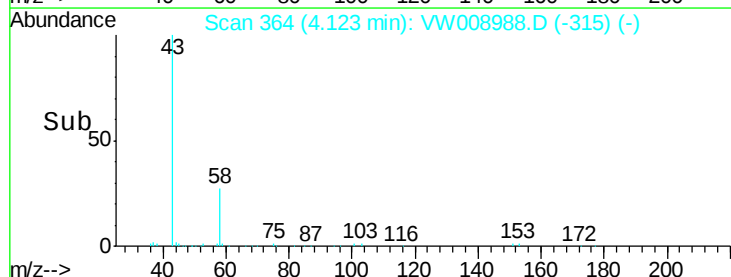
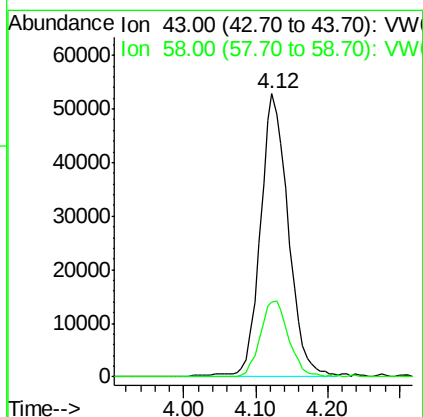
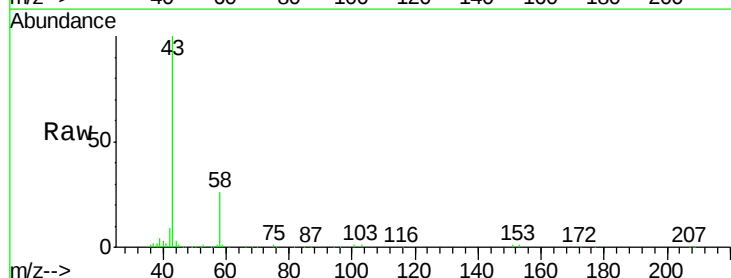
RT: 4.12 min Scan# 364

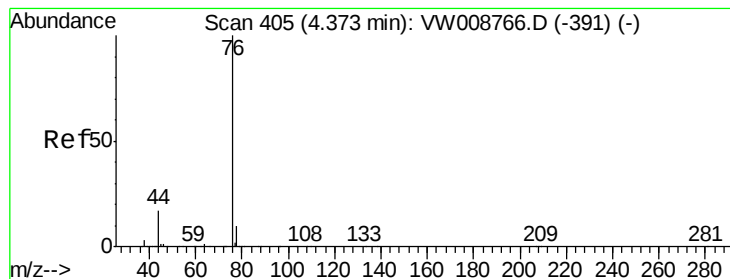
Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion:	43	Resp:	142681
Ion	Ratio	Lower	Upper
43	100		
58	26.3	23.8	35.6





#17

Carbon Disulfide

Concen: 44.829 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

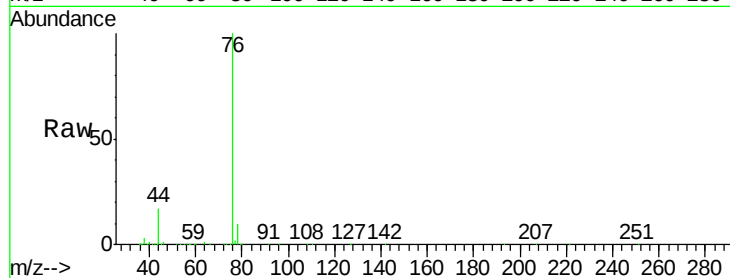
ClientSampled :

Tot Ion: 76 Resp: 357356

Ion Ratio Lower Upper

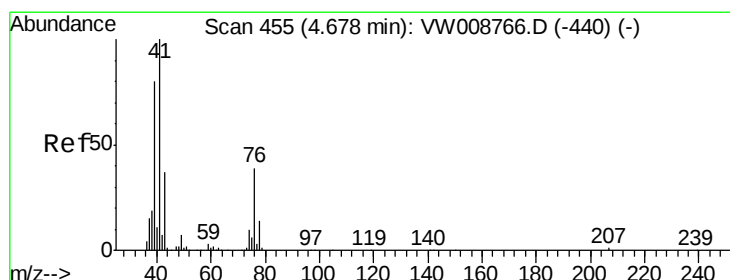
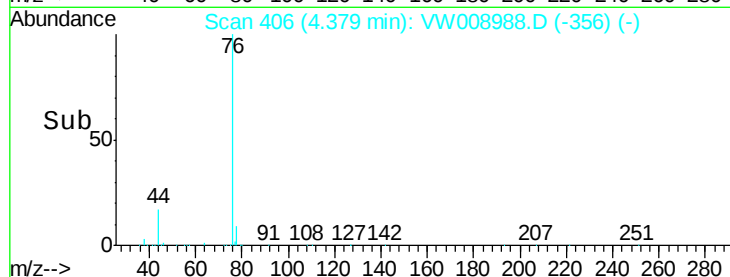
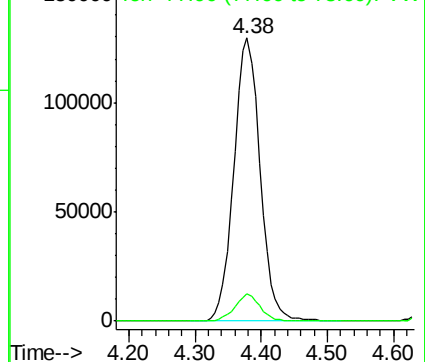
76 100

78 9.6 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 39.866 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008988.D

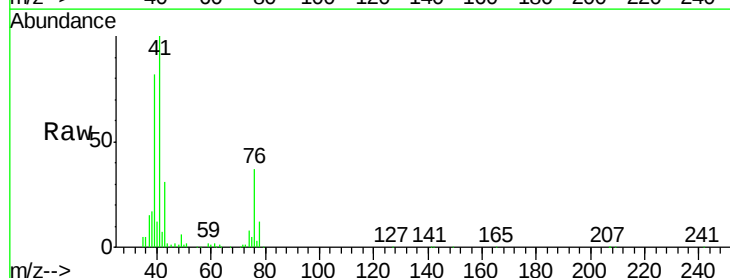
Acq: 05 Mar 2019 10:28

Tgt Ion: 43 Resp: 56409

Ion Ratio Lower Upper

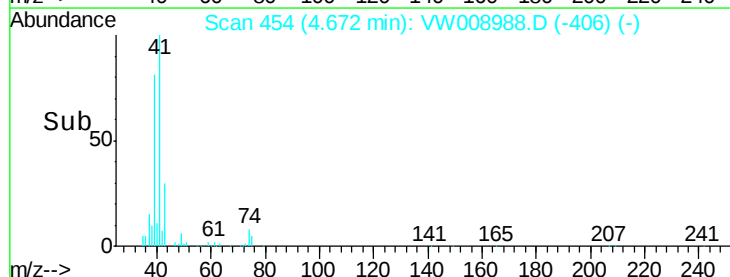
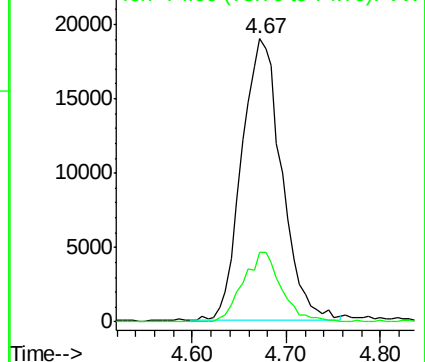
43 100

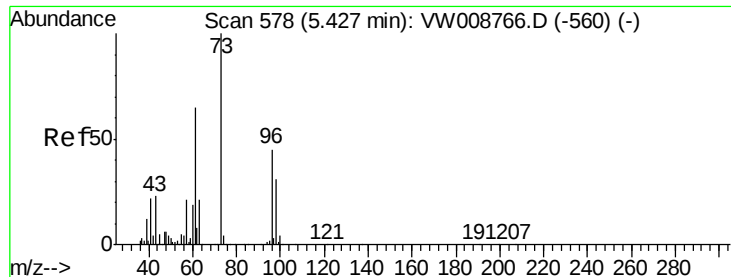
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



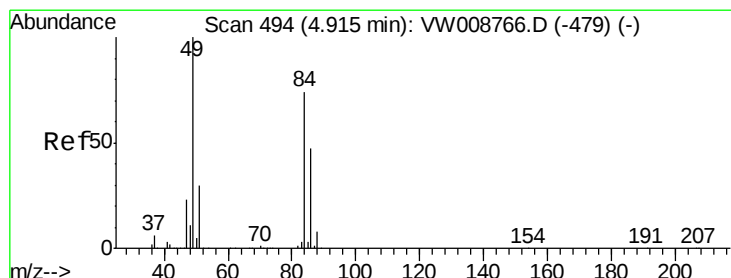
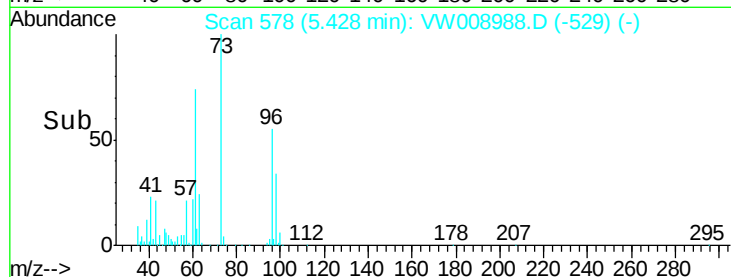
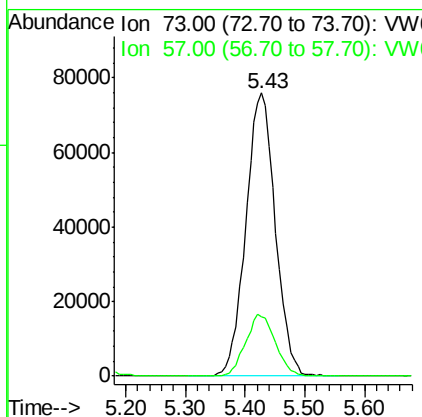
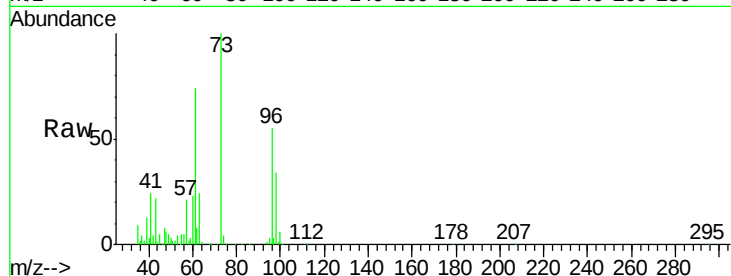


#19

Methyl tert-butyl Ether
 Concen: 40.040 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampleId :

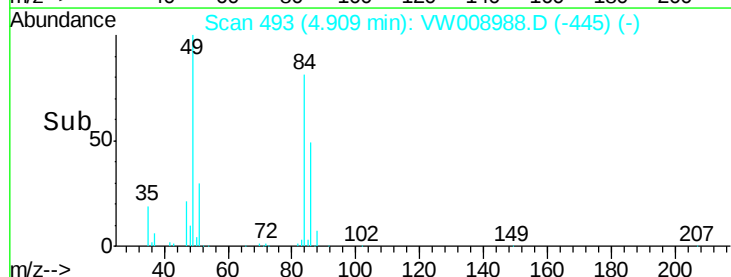
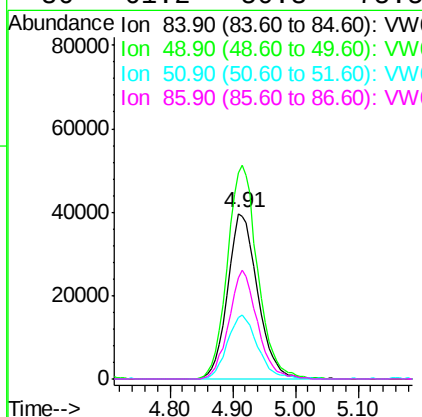
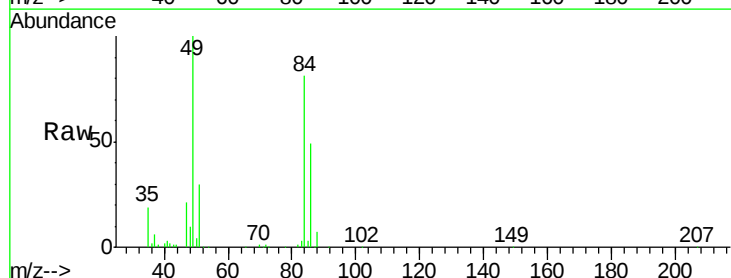
Tot Ion: 73 Resp: 260384
 Ion Ratio Lower Upper
 73 100
 57 20.8 16.8 25.2

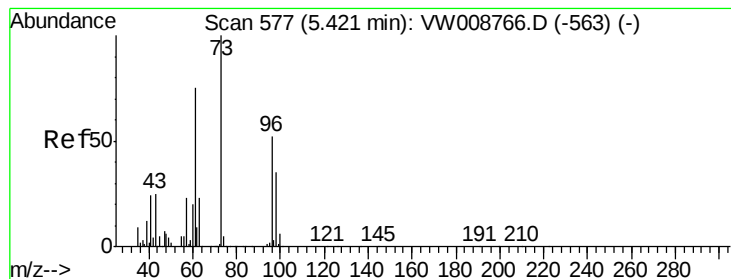


#20

Methylene Chloride
 Concen: 44.110 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 84 Resp: 131396
 Ion Ratio Lower Upper
 84 100
 49 124.0 108.2 162.2
 51 37.3 32.7 49.1
 86 61.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 45.451 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

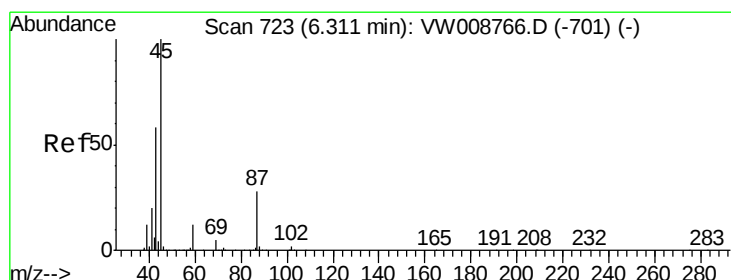
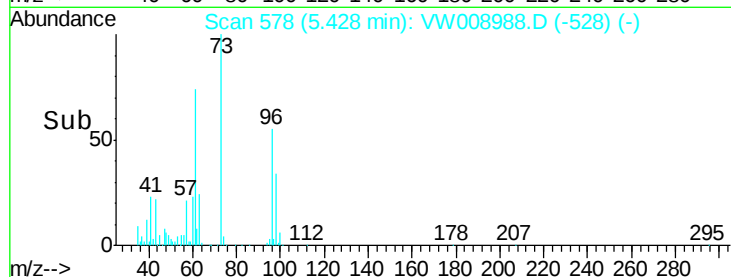
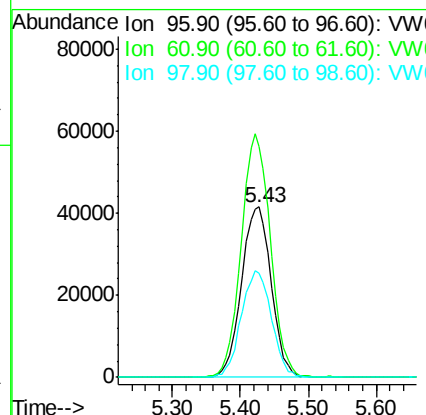
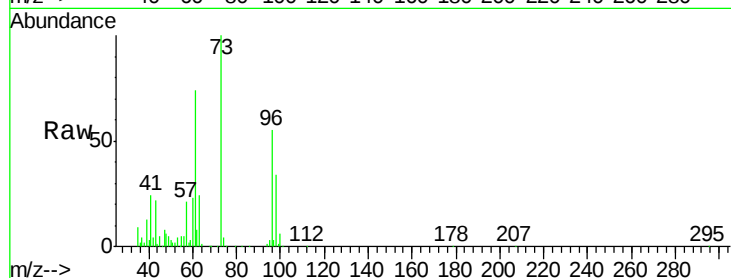
Tot Ion: 96 Resp: 126316

Ion Ratio Lower Upper

96 100

61 135.5 114.6 171.8

98 61.4 54.0 81.0



#22

Diisopropyl ether

Concen: 45.335 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion: 45 Resp: 375006

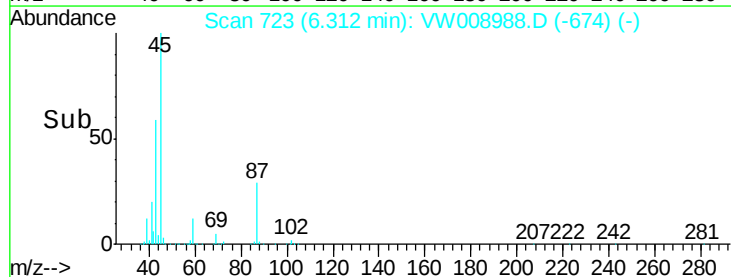
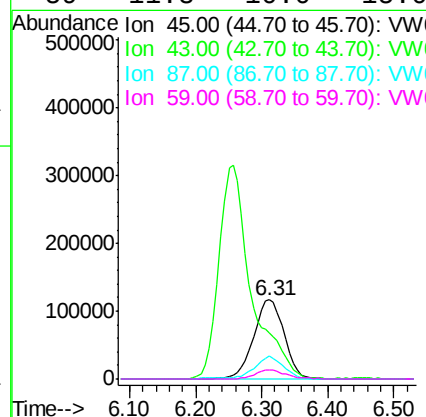
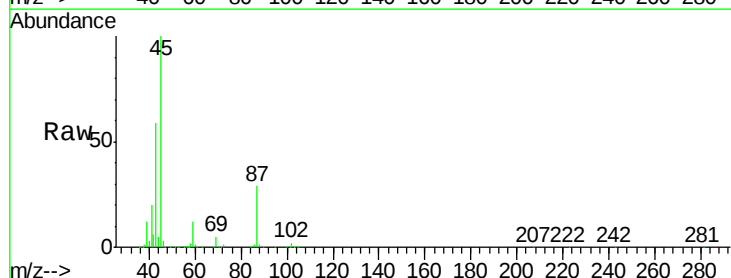
Ion Ratio Lower Upper

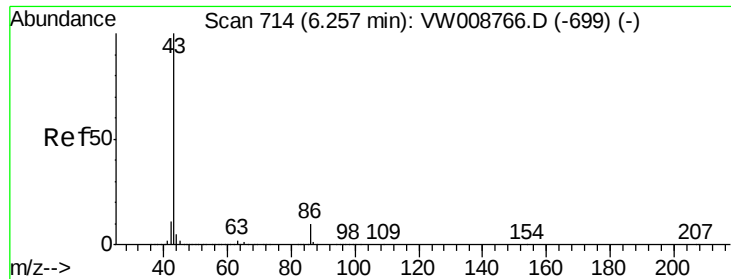
45 100

43 58.5 46.1 69.1

87 28.6 22.2 33.4

59 11.8 10.0 15.0





#23

Vinyl Acetate

Concen: 209.161 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

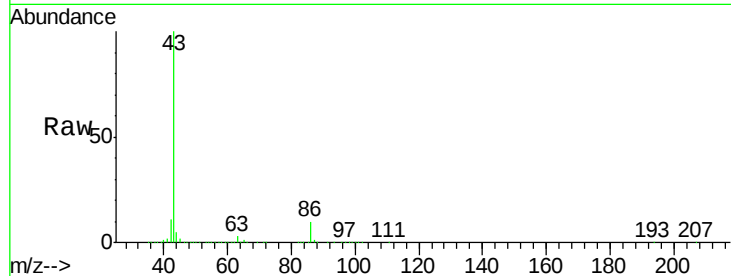
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1068979

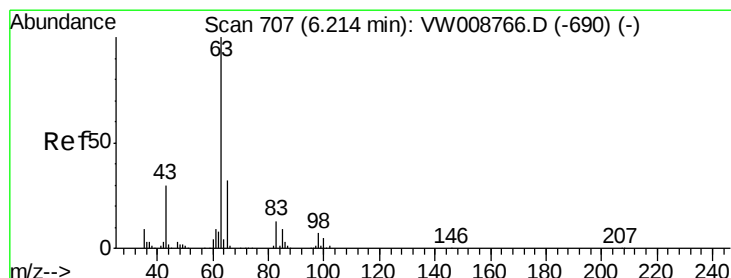
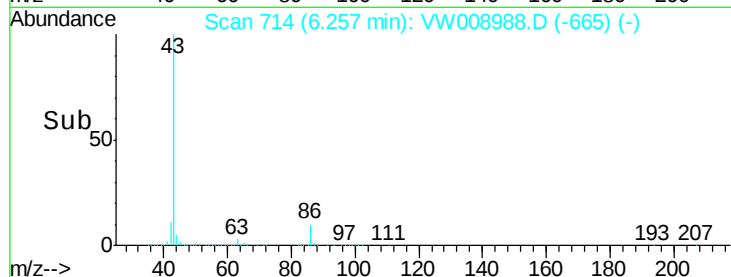
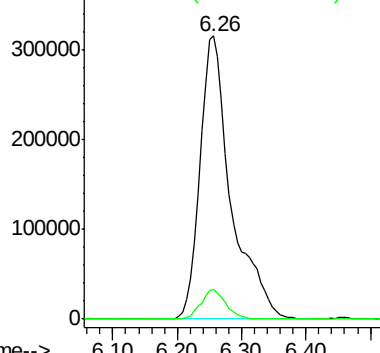
Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



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



#24

1,1-Dichloroethane

Concen: 46.152 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

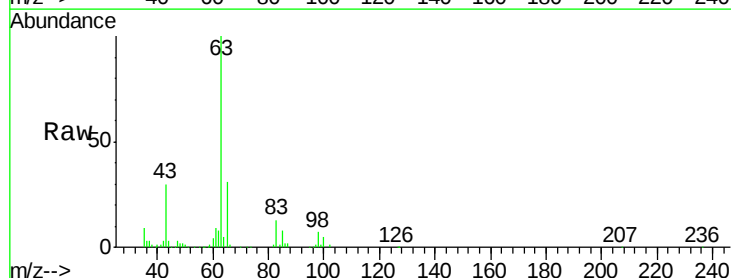
Tgt Ion: 63 Resp: 221222

Ion Ratio Lower Upper

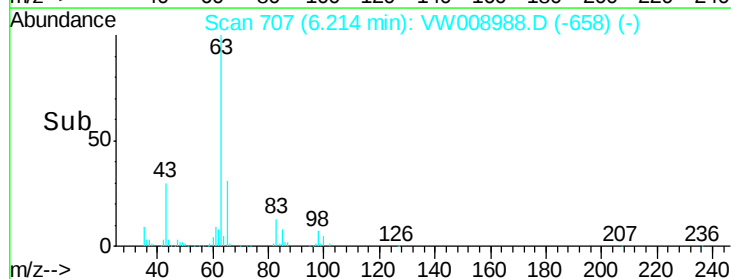
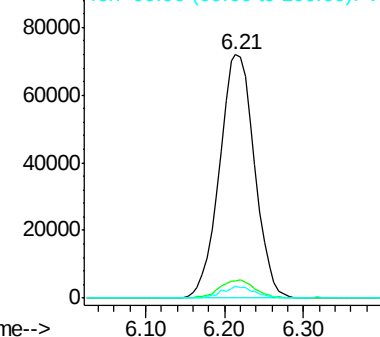
63 100

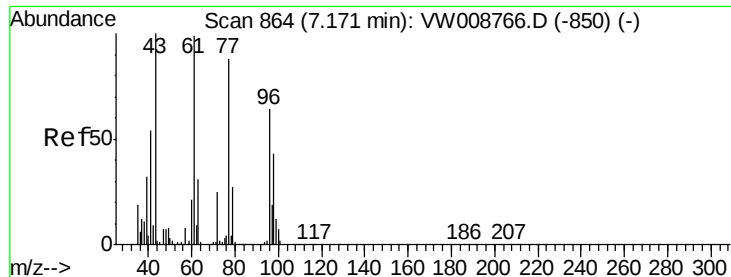
98 6.8 3.5 10.6

100 4.8 2.4 7.2



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: 208.147 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

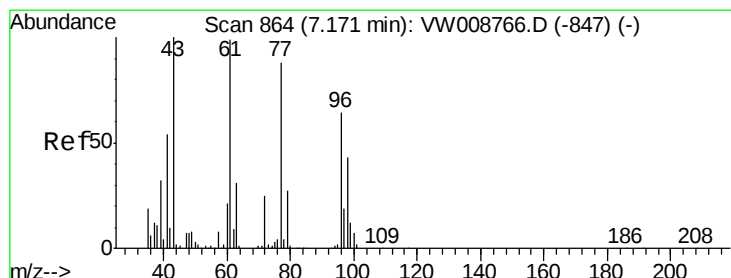
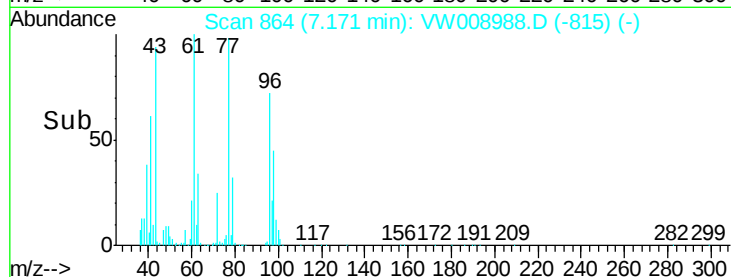
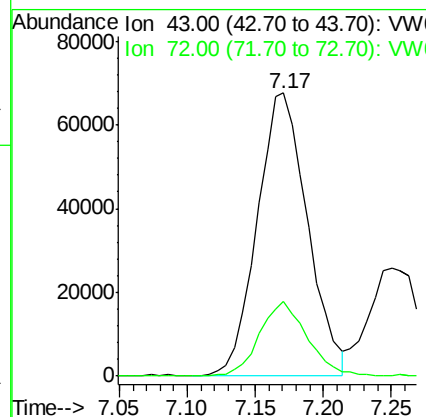
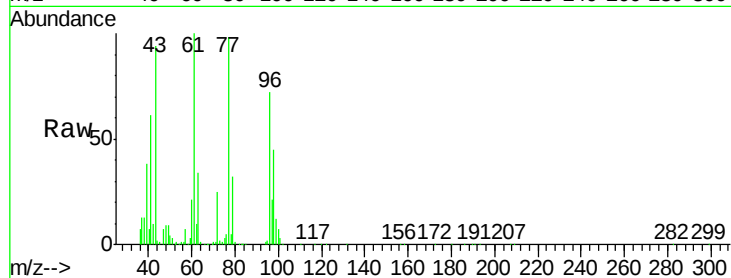
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 173599

Ion Ratio Lower Upper

43 100

72 26.4 19.7 29.5



#26

2,2-Dichloropropane

Concen: 48.216 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008988.D

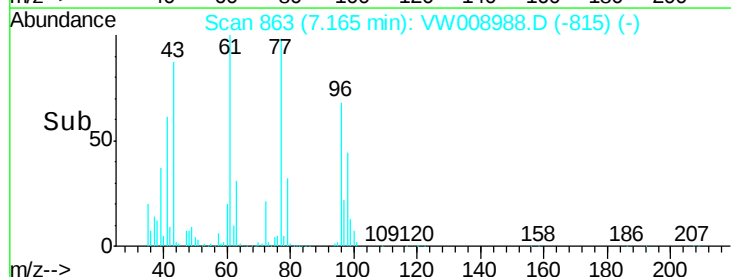
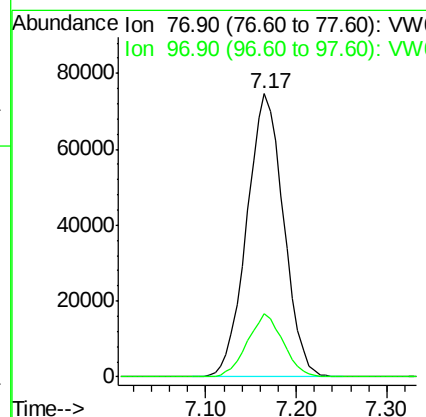
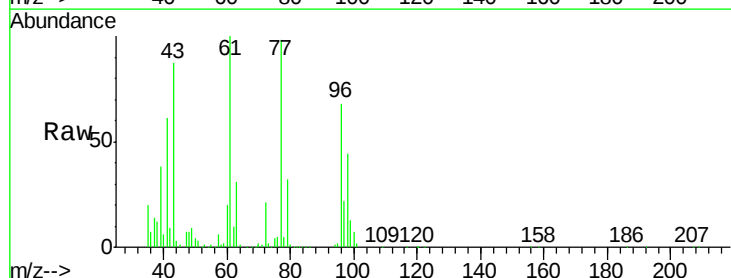
Acq: 05 Mar 2019 10:28

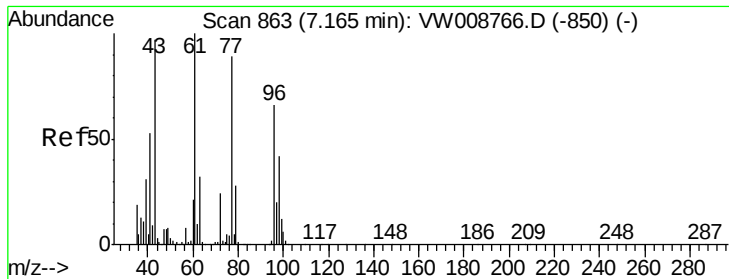
Tgt Ion: 77 Resp: 209823

Ion Ratio Lower Upper

77 100

97 21.7 11.0 33.0



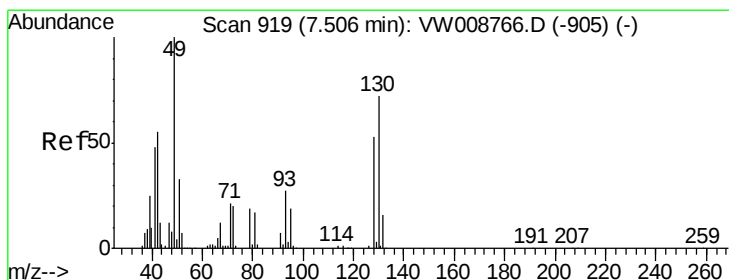
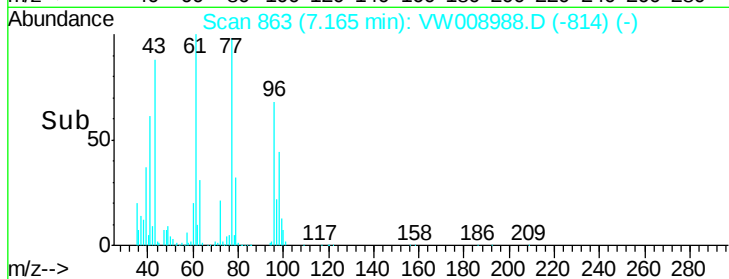
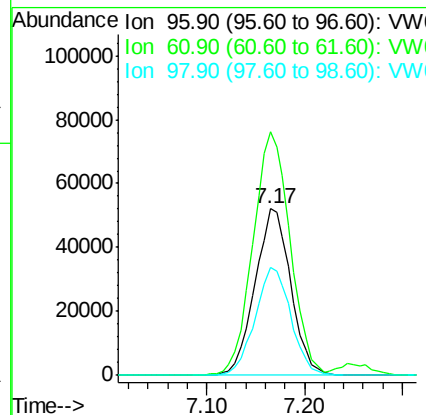
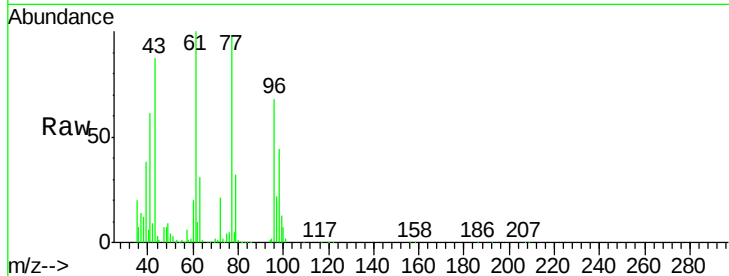


#27

cis-1,2-Dichloroethene
Concen: 44.749 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :

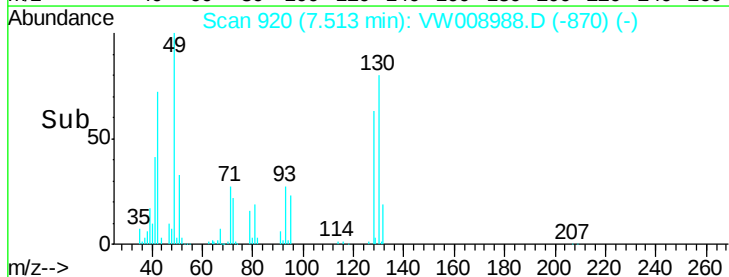
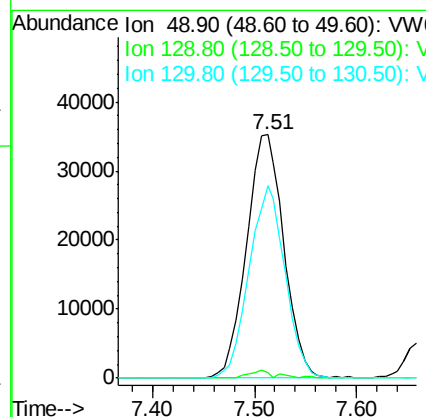
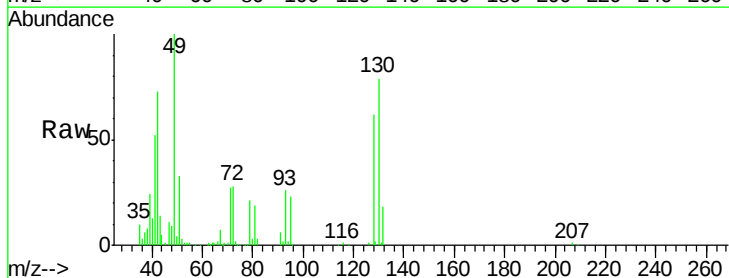
Tot Ion	96	Resp	133033
Ion	Ratio	Lower	Upper
96	100		
61	151.2	0.0	302.6
98	64.5	0.0	130.0

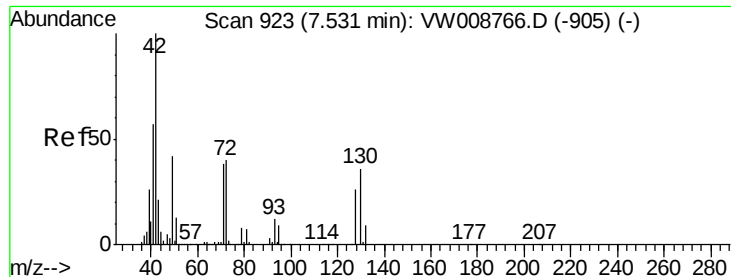


#28

Bromochloromethane
Concen: 44.839 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	49	Resp	89941
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.6
130	76.0	61.3	91.9

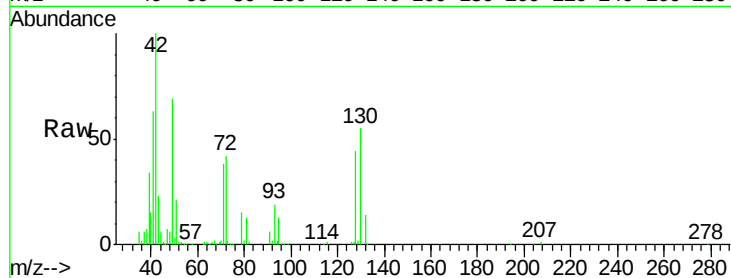




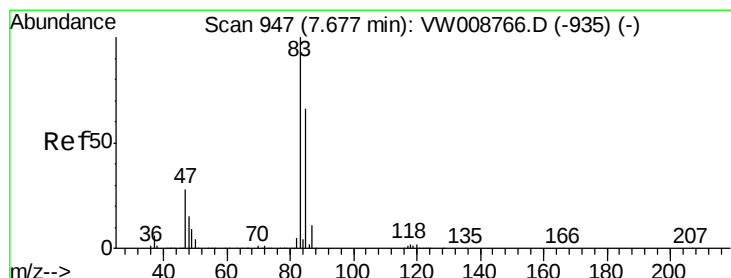
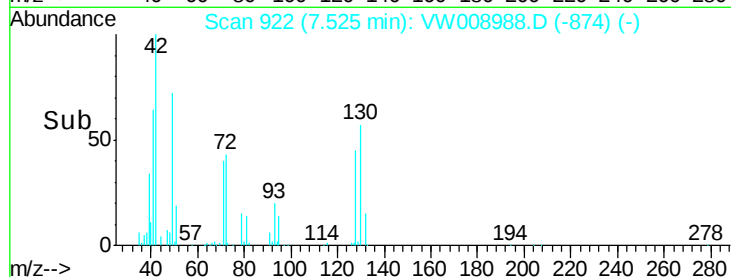
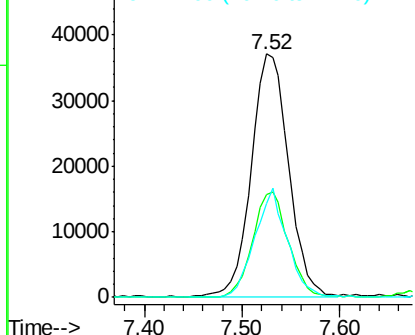
#29
Tetrahydrofuran
Concen: 183.700 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 97636
Ion Ratio Lower Upper
42 100
72 42.0 32.7 49.1
71 39.6 31.3 46.9

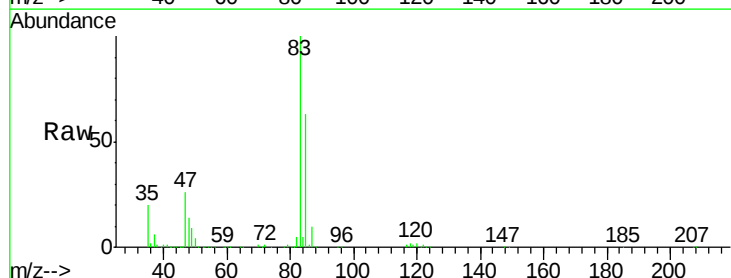


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

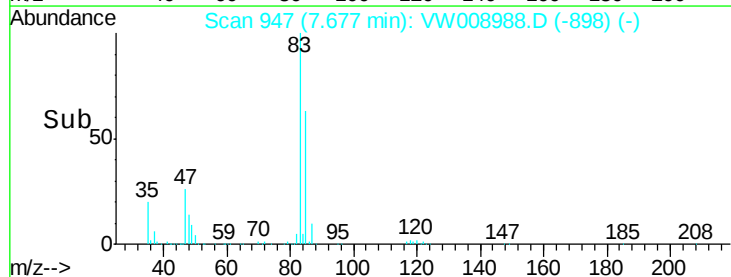
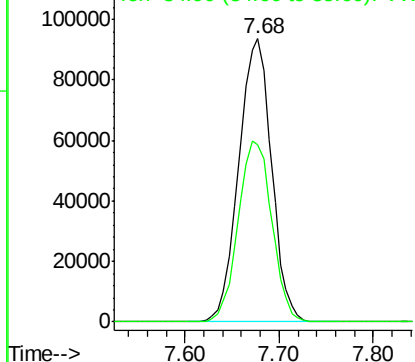


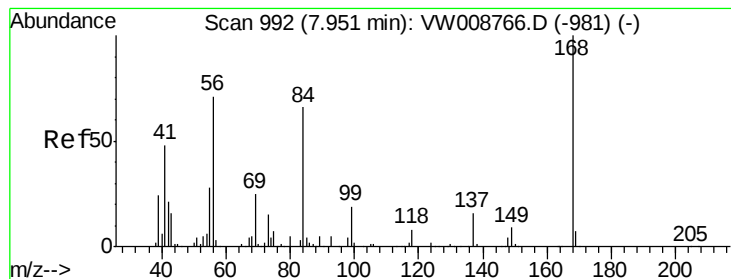
#30
Chloroform
Concen: 46.091 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 83 Resp: 226647
Ion Ratio Lower Upper
83 100
85 62.8 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





#31

Cyclohexane

Concen: 45.643 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampled :

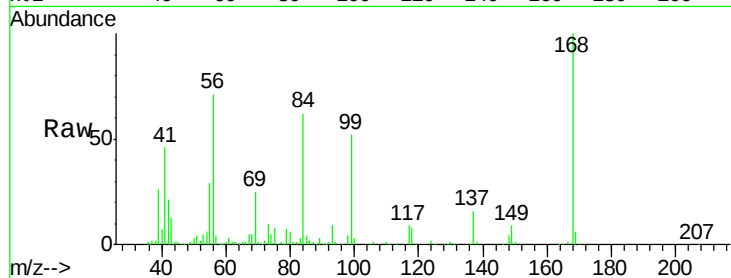
Tot Ion: 56 Resp: 221460

Ion Ratio Lower Upper

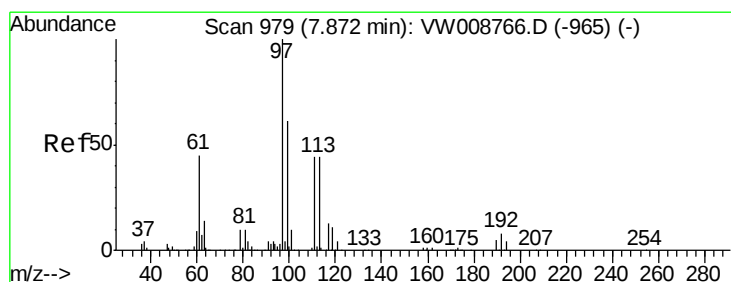
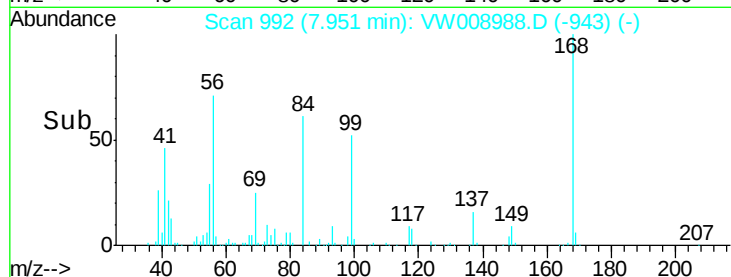
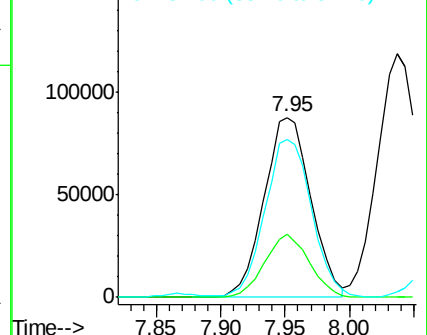
56 100

69 35.0 28.2 42.4

84 86.0 74.1 111.1



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



#32

1,1,1-Trichloroethane

Concen: 48.273 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

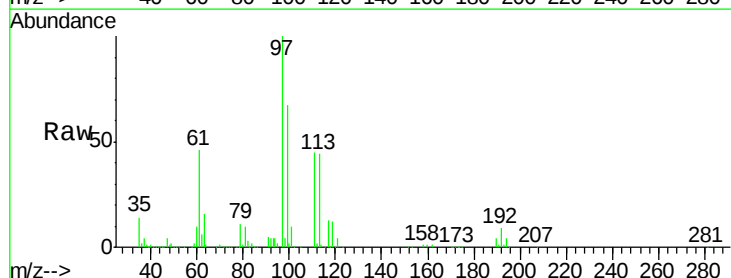
Tgt Ion: 97 Resp: 215870

Ion Ratio Lower Upper

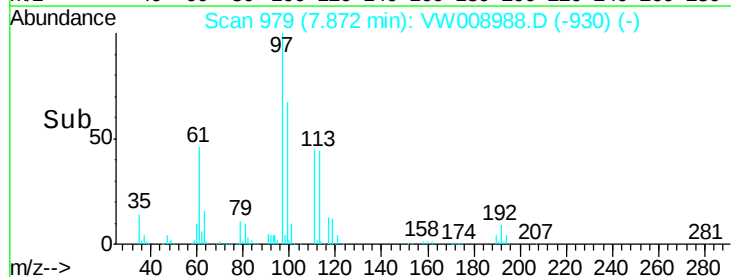
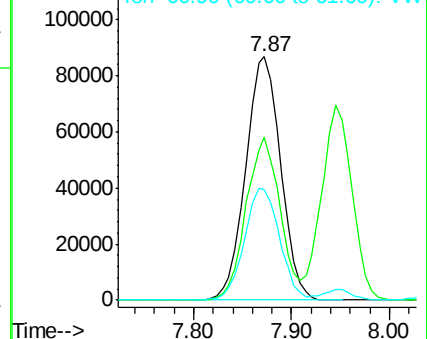
97 100

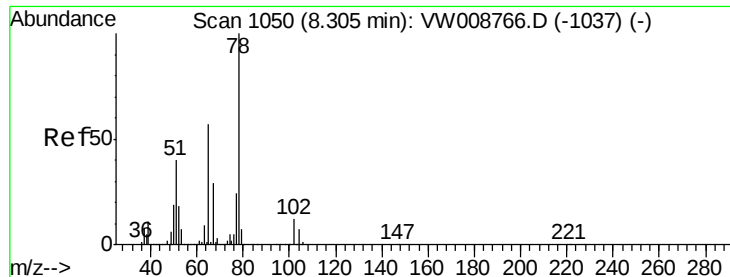
99 65.2 50.8 76.2

61 46.6 36.0 54.0



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





#33

1,2-Dichloroethane-d4

Concen: 46.456 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

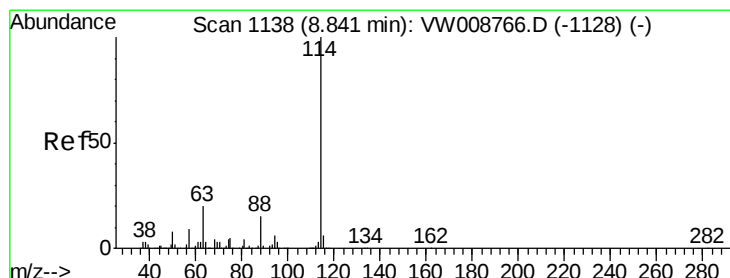
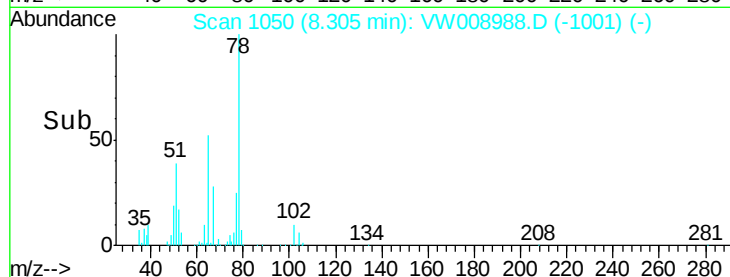
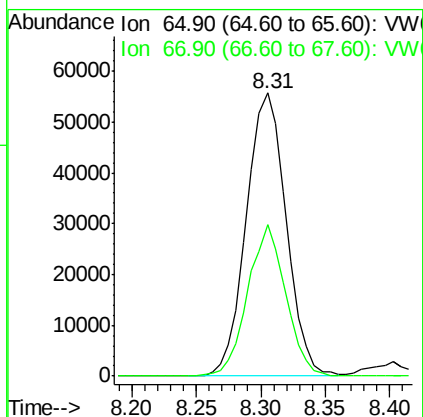
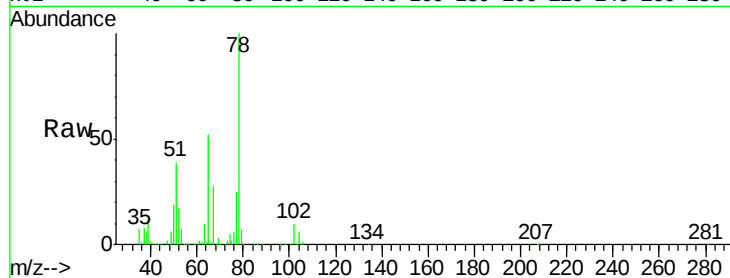
ClientSampleId :

Tot Ion: 65 Resp: 119563

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

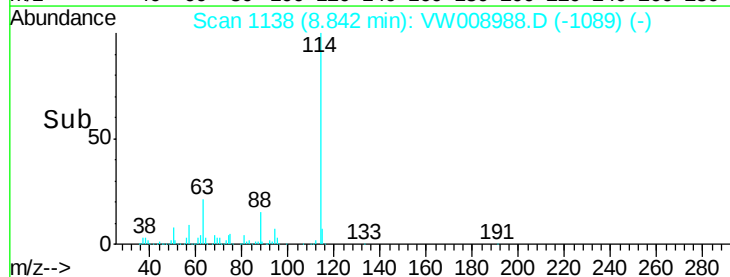
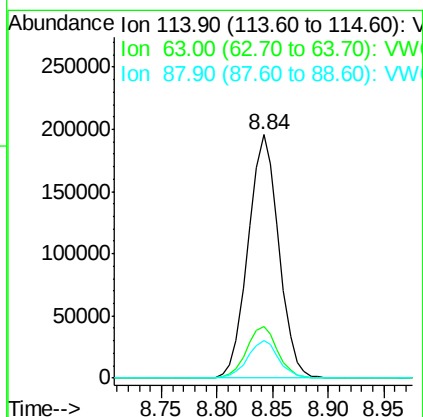
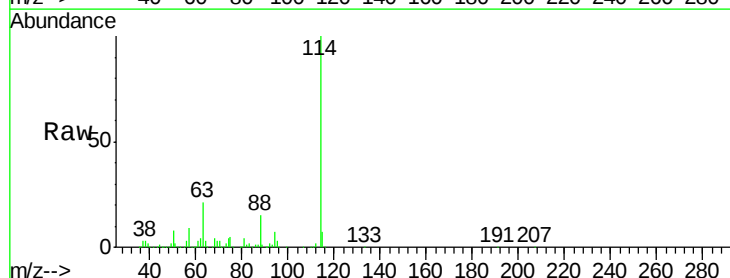
Tgt Ion: 114 Resp: 374965

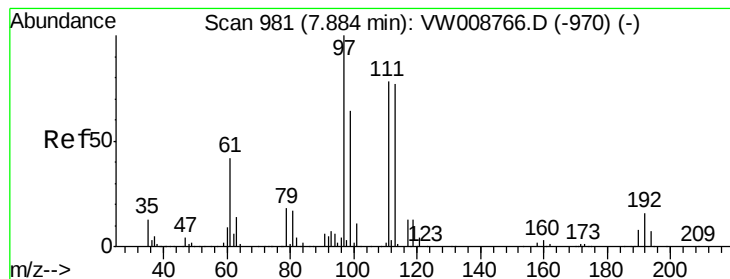
Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.8

88 15.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.008 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

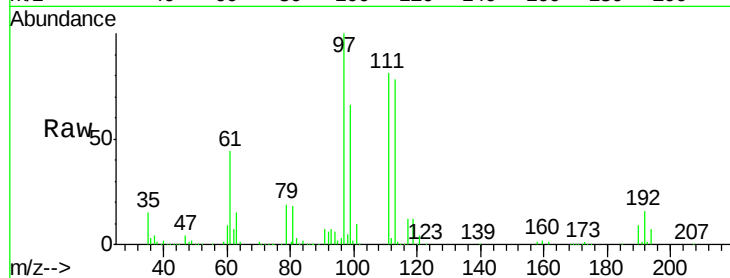
Tot Ion:113 Resp: 112585

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

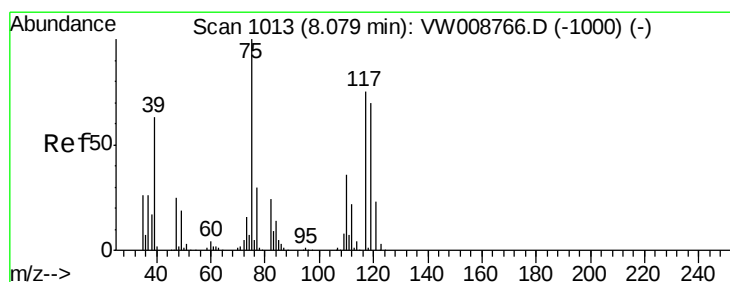
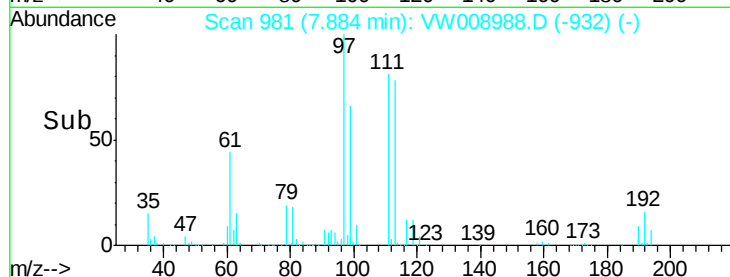
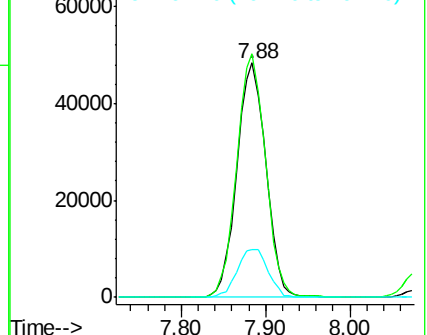
192 21.8 17.1 25.7



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: 51.302 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

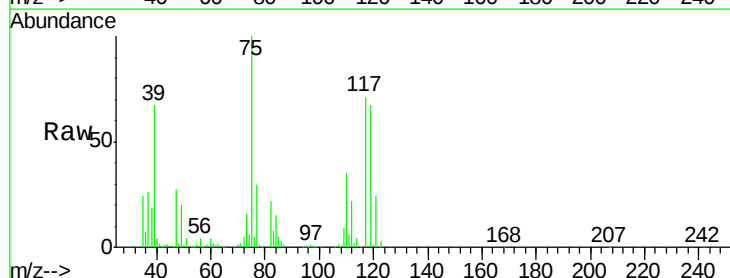
Tgt Ion: 75 Resp: 187254

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.6

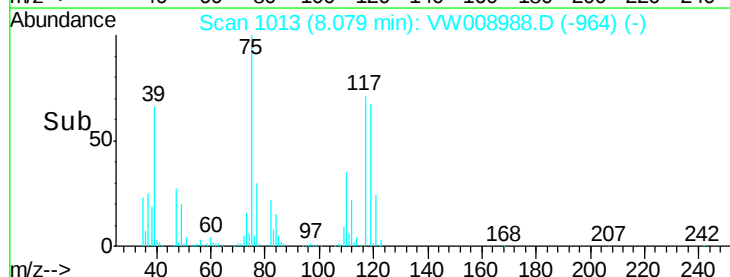
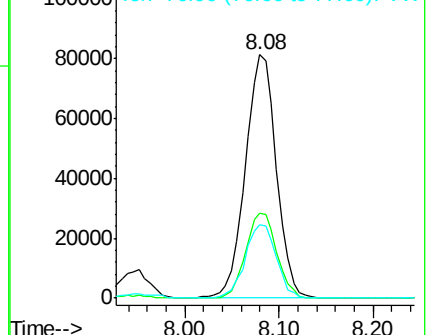
77 30.9 24.5 36.7

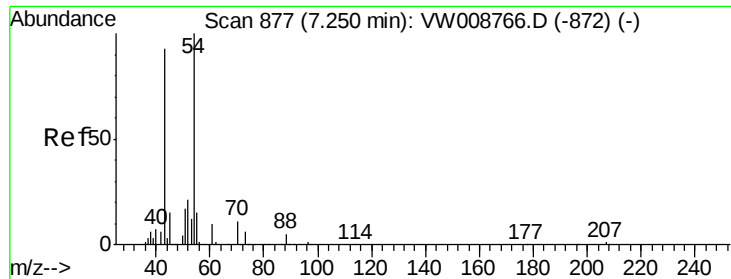


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

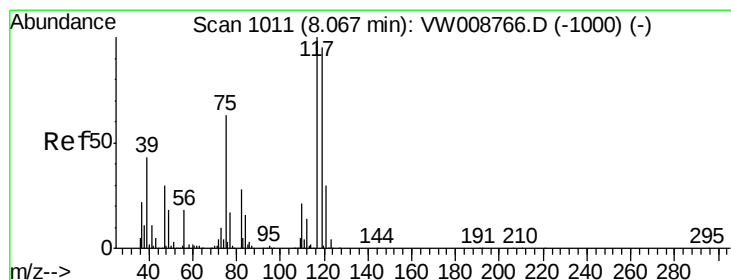
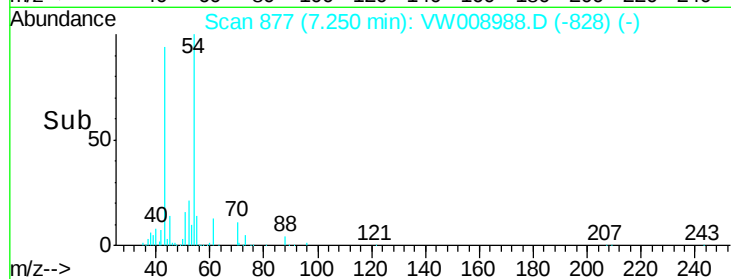
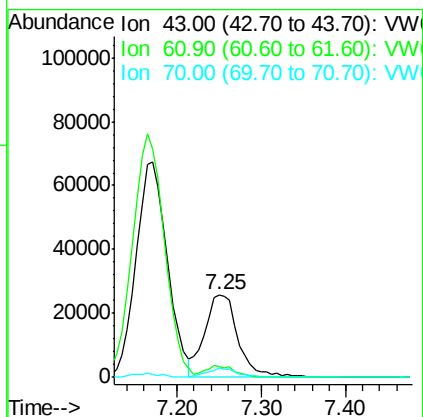
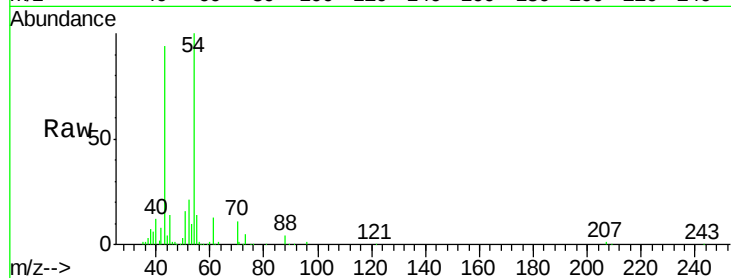




#37
Ethyl Acetate
Concen: 41.773 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

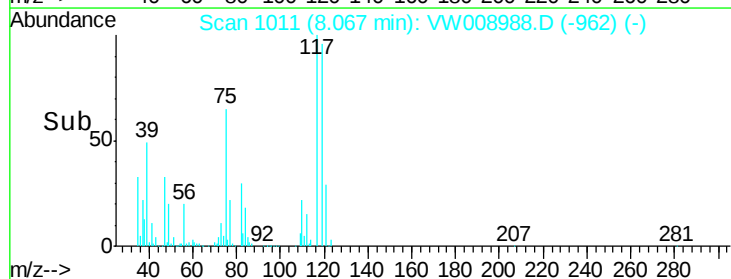
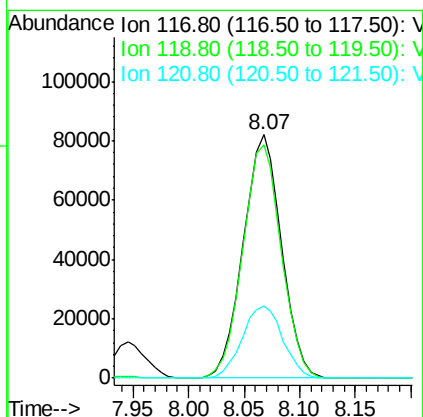
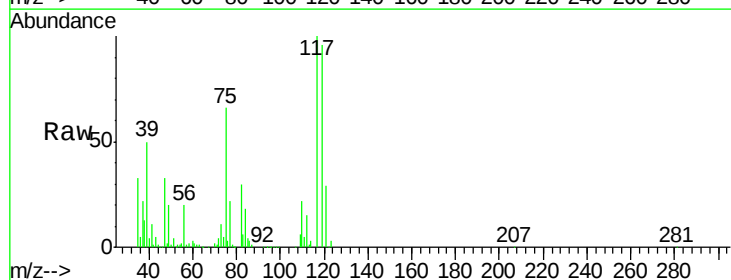
Instrument :
MSVOA_W
ClientSampled :

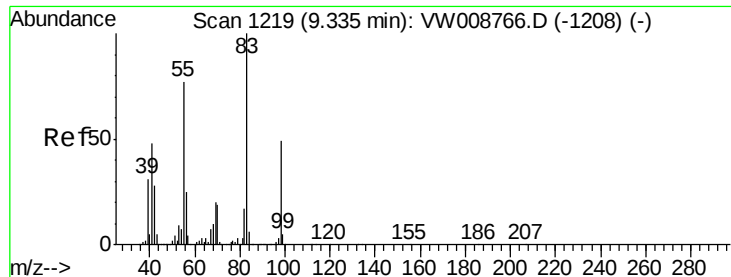
Tot Ion: 43 Resp: 70904
Ion Ratio Lower Upper
43 100
61 11.9 9.8 14.8
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.923 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 117 Resp: 196021
Ion Ratio Lower Upper
117 100
119 95.6 76.1 114.1
121 29.4 24.0 36.0

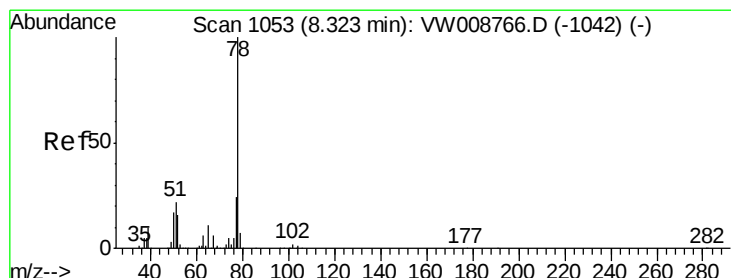
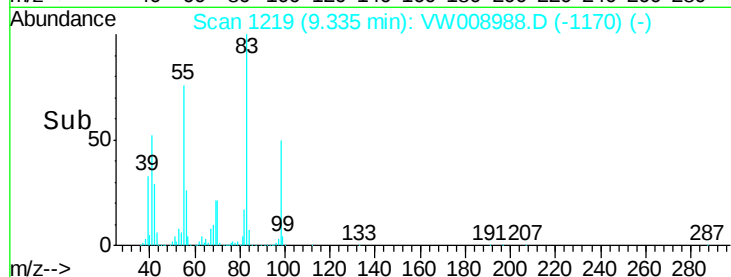
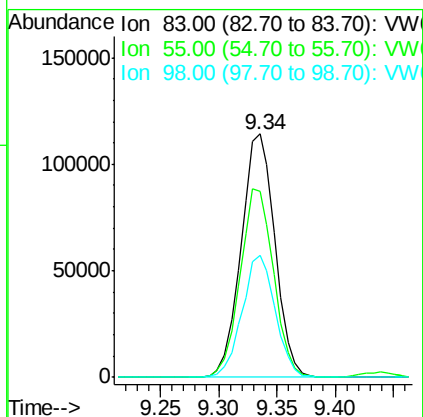
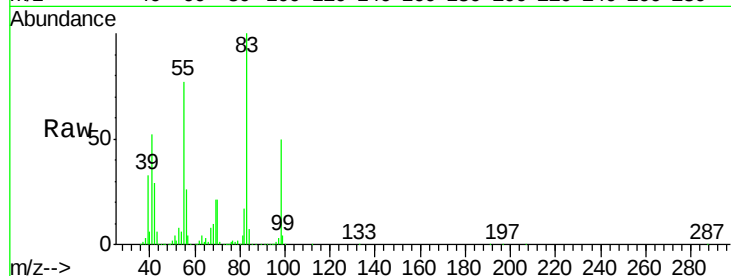




#39
Methvlcvclohexane
Concen: 50.814 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

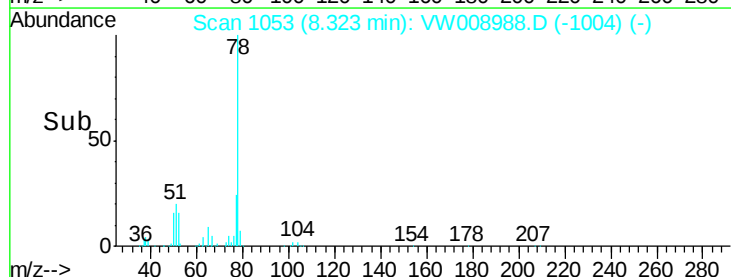
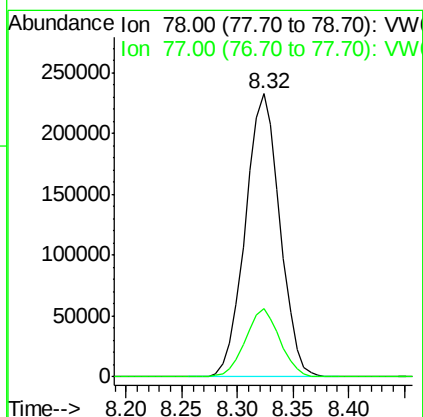
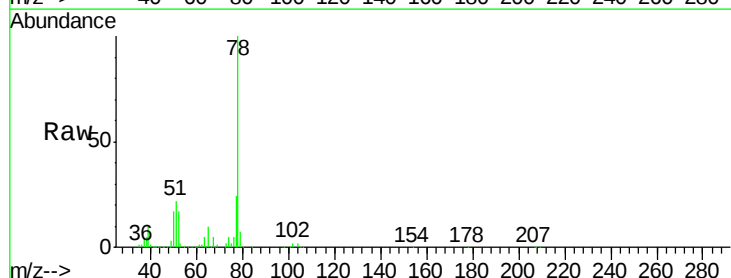
Instrument :
MSVOA_W
ClientSampleId :

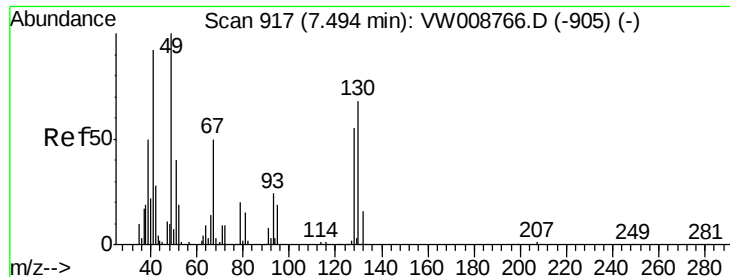
Tot Ion	83.00	Resp	231344
Ion	Ratio	Lower	Upper
83	100		
55	76.4	61.2	91.8
98	50.1	39.4	59.2



#40
Benzene
Concen: 50.439 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	78.00	Resp	502668
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9

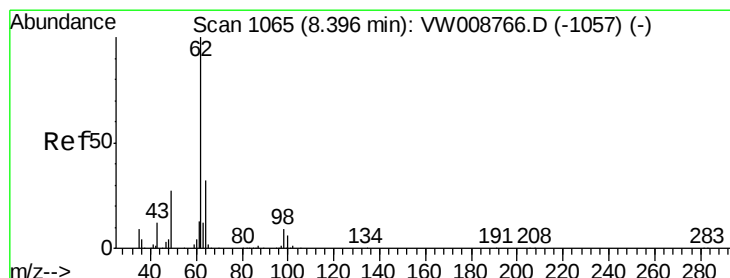
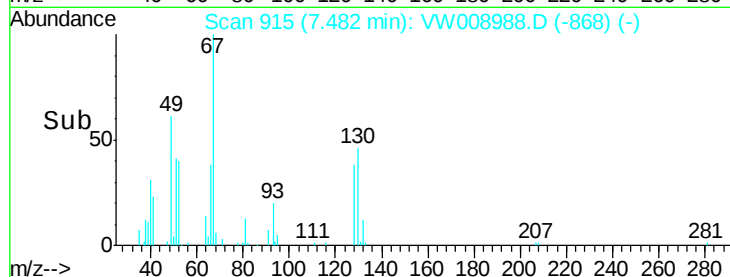
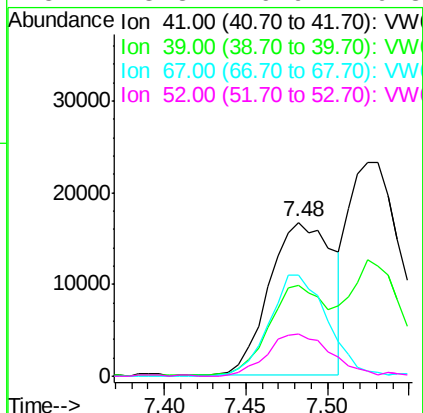
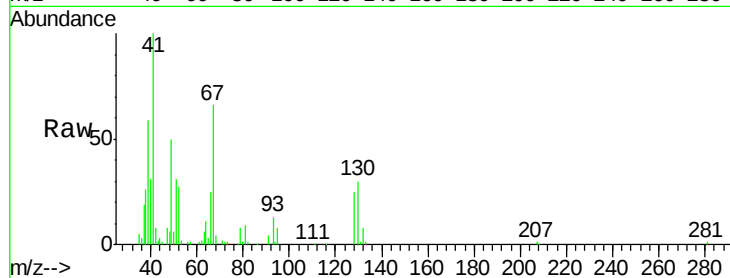




#41
Methacrylonitrile
Concen: 45.420 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

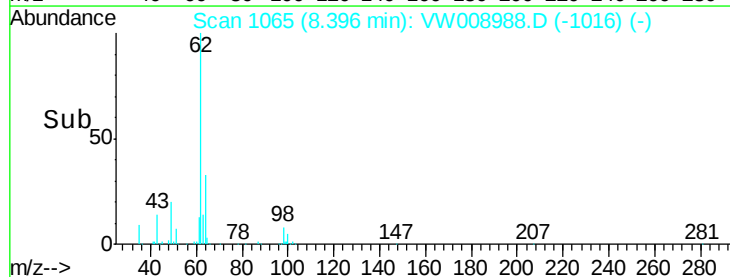
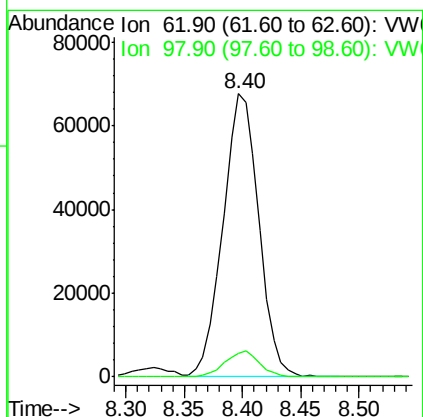
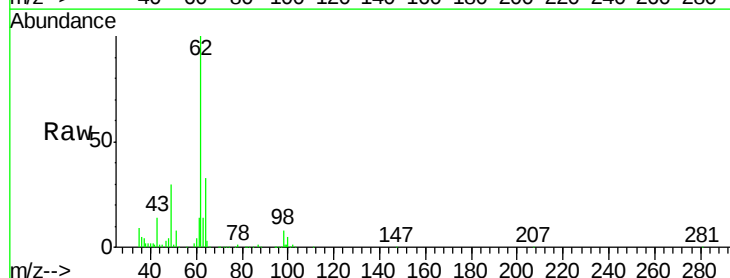
Instrument :
MSVOA_W
ClientSampled :

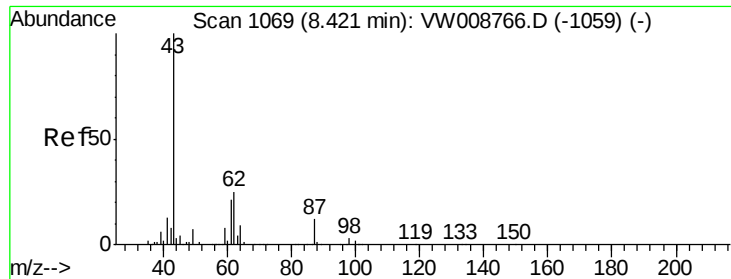
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.2	52.5	78.7#
67	60.5	55.0	82.6
52	28.3	26.9	40.3



#42
1,2-Dichloroethane
Concen: 45.648 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



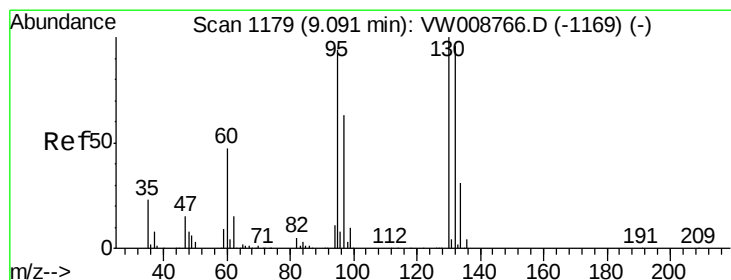
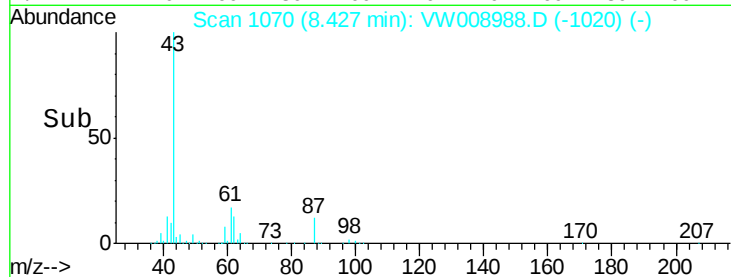
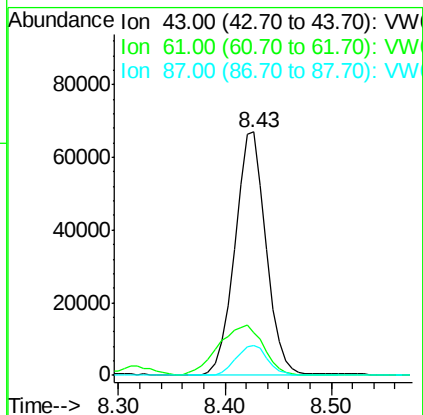
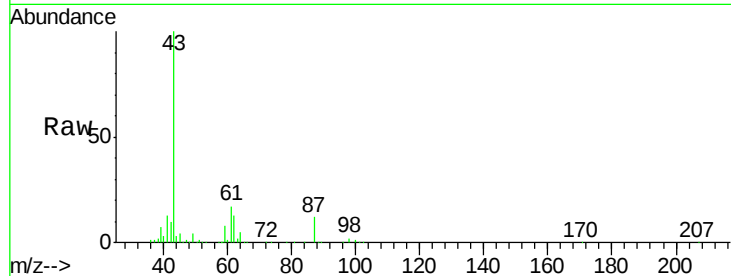


#43

Isopropyl Acetate
 Concen: 40.547 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Instrument :
 MSVOA_W
 ClientSampled :

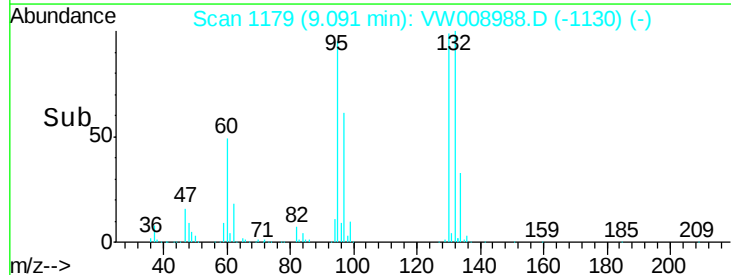
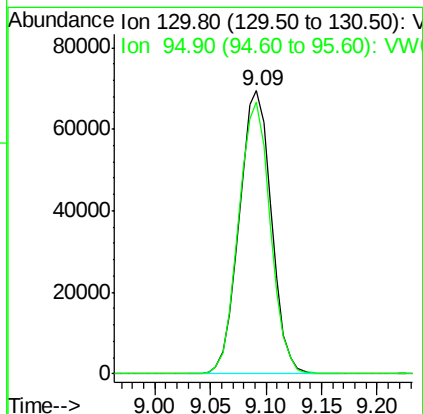
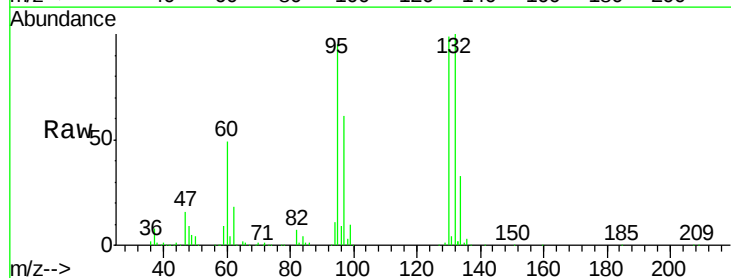
Tot Ion: 43 Resp: 137356
 Ion Ratio Lower Upper
 43 100
 61 29.6 23.2 34.8
 87 12.5 9.9 14.9

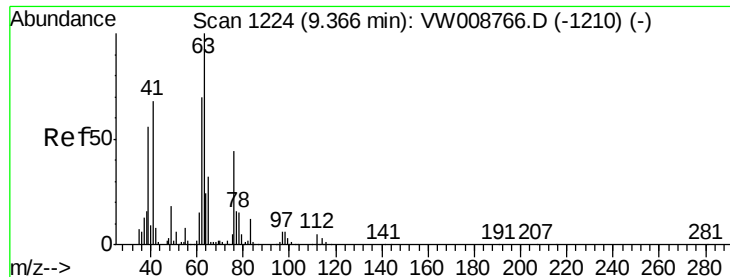


#44

Trichloroethene
 Concen: 49.478 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 130 Resp: 138907
 Ion Ratio Lower Upper
 130 100
 95 95.8 0.0 188.6

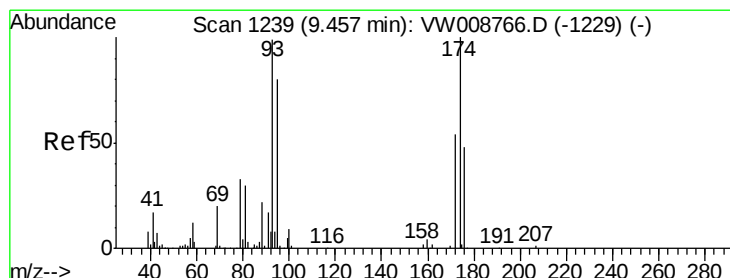
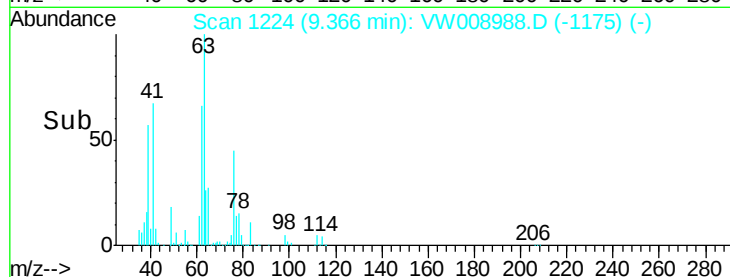
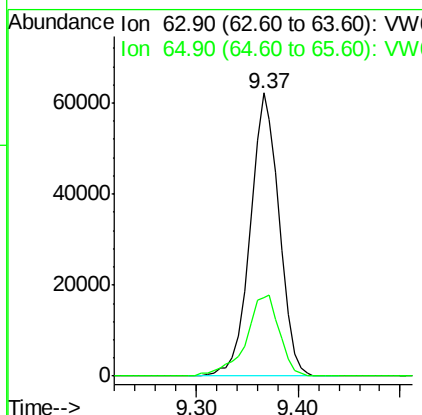
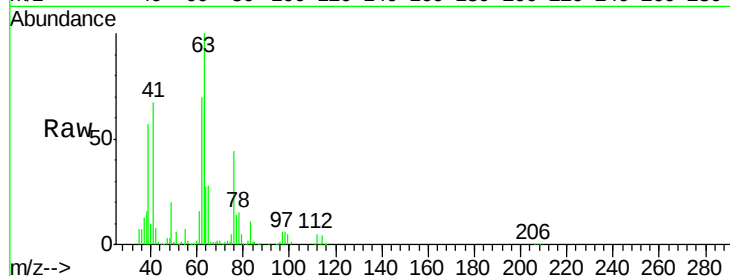




#45
 1,2-Dichloropropane
 Concen: 49.906 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

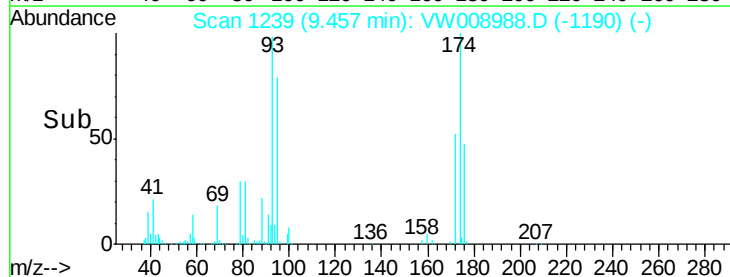
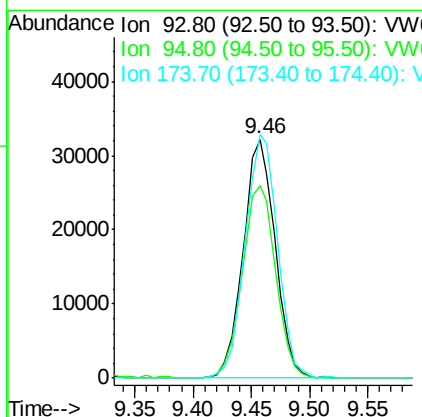
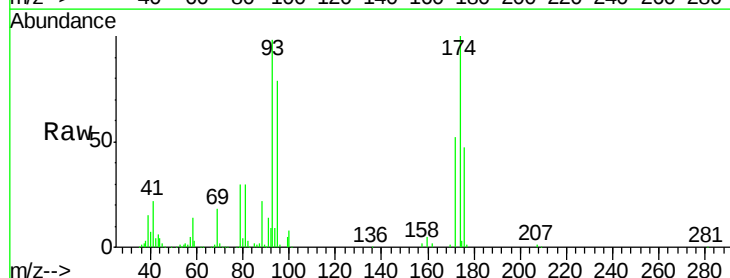
Instrument :
 MSVOA_W
 ClientSampleId :

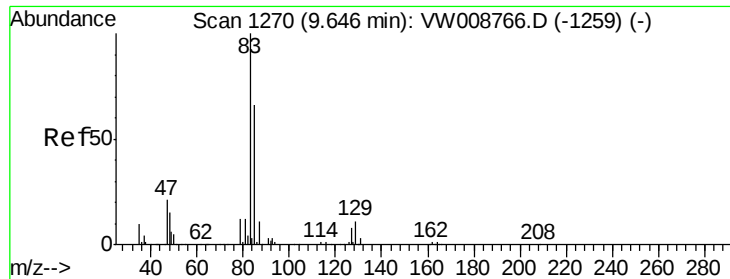
Tot Ion: 63 Resp: 122902
 Ion Ratio Lower Upper
 63 100
 65 28.0 25.5 38.3



#46
 Dibromomethane
 Concen: 45.108 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 93 Resp: 61790
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.7 101.5
 174 103.8 86.7 130.1

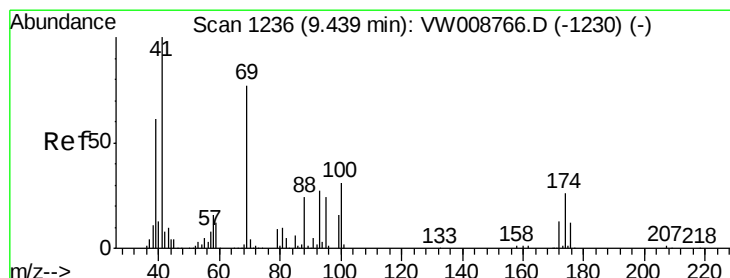
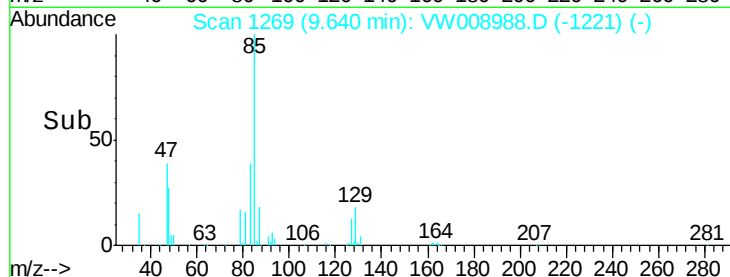
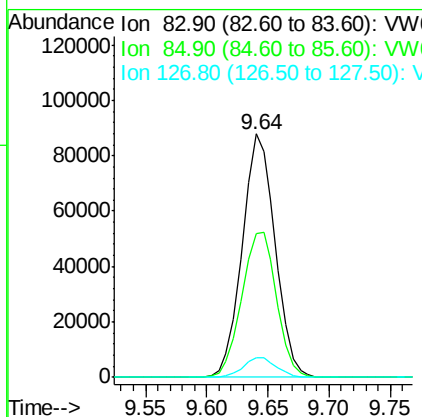
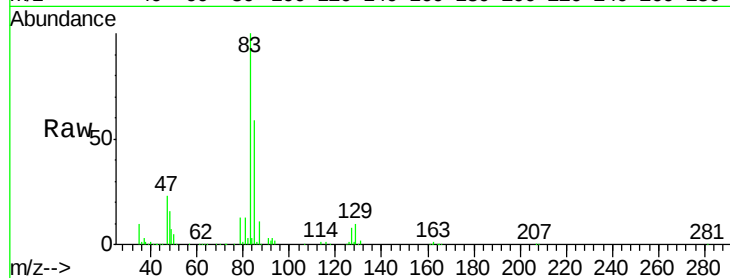




#47
Bromodichloromethane
Concen: 49.125 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

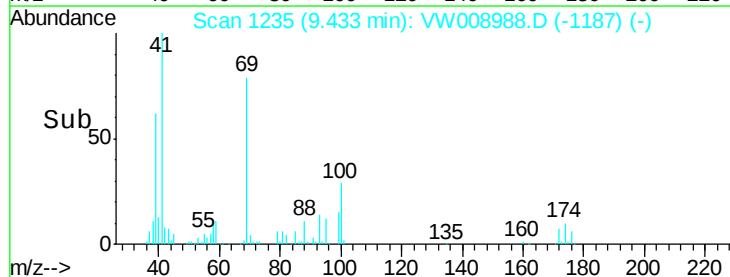
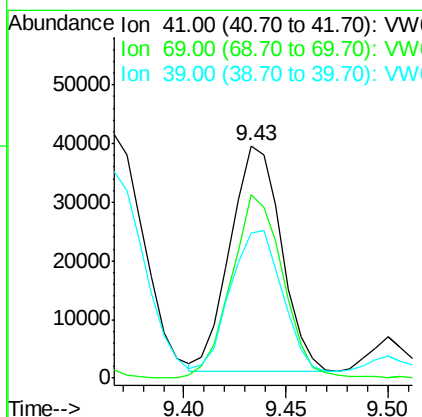
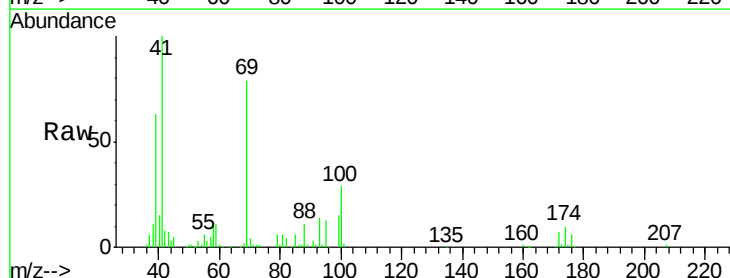
Instrument :
MSVOA_W
ClientSampled :

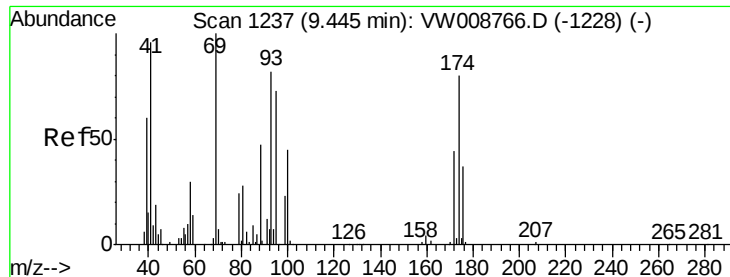
Tot Ion: 83 Resp: 163726
Ion Ratio Lower Upper
83 100
85 59.2 52.5 78.7
127 7.8 6.7 10.1



#48
Methyl methacrylate
Concen: 41.597 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 41 Resp: 67490
Ion Ratio Lower Upper
41 100
69 81.7 63.6 95.4
39 62.9 52.1 78.1

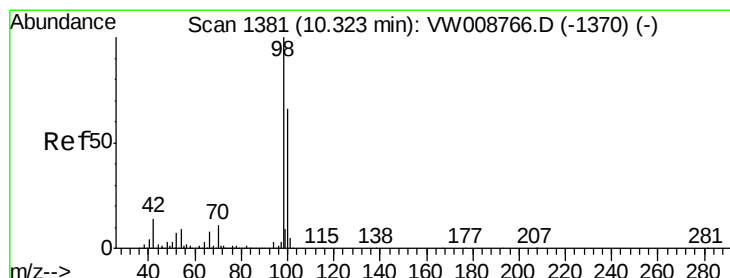
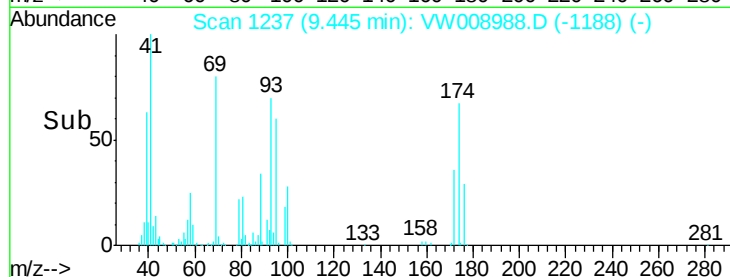
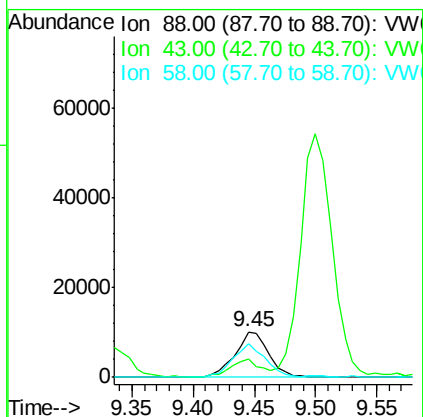
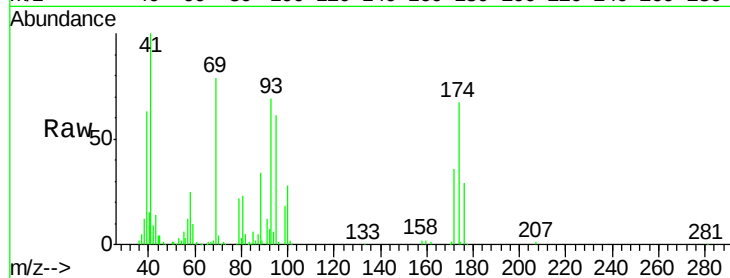




#49
1,4-Dioxane
Concen: 888.740 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

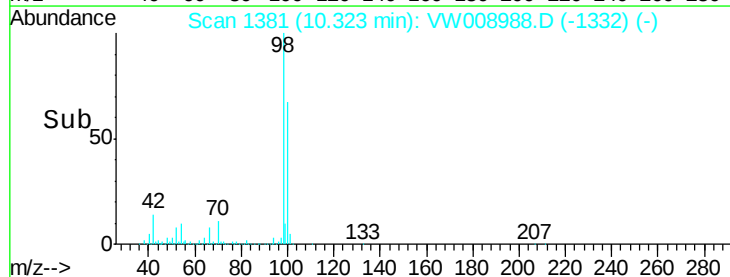
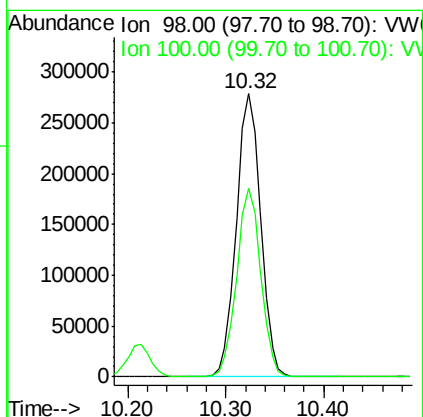
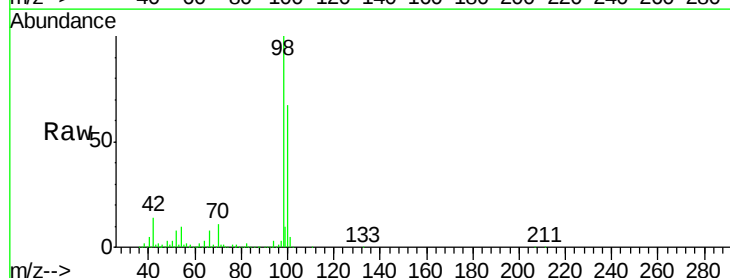
Instrument :
MSVOA_W
ClientSampleId :

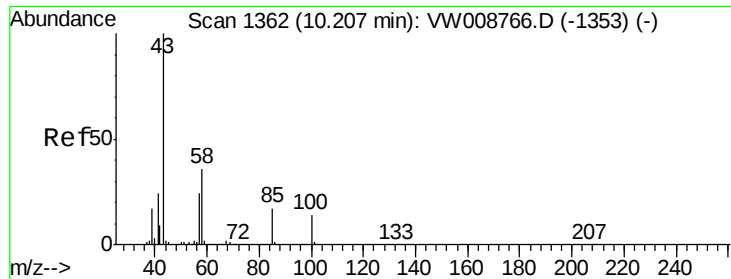
Tot Ion: 88 Resp: 19496
Ion Ratio Lower Upper
88 100
43 34.2 29.0 43.4
58 71.5 52.0 78.0



#50
Toluene-d8
Concen: 55.548 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 98 Resp: 482755
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 206.673 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

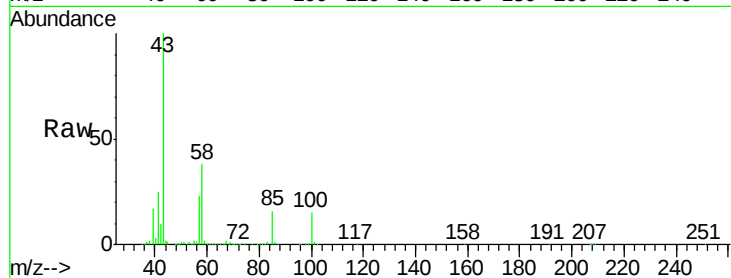
ClientSampled :

Tot Ion: 43 Resp: 355451

Ion Ratio Lower Upper

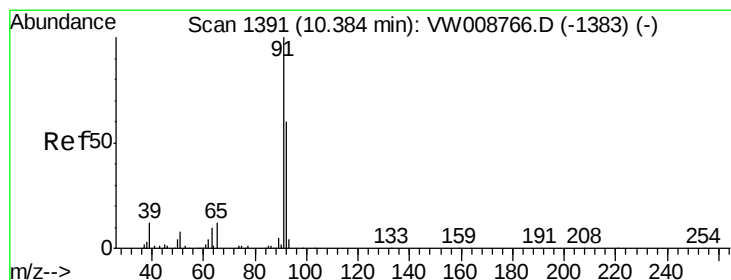
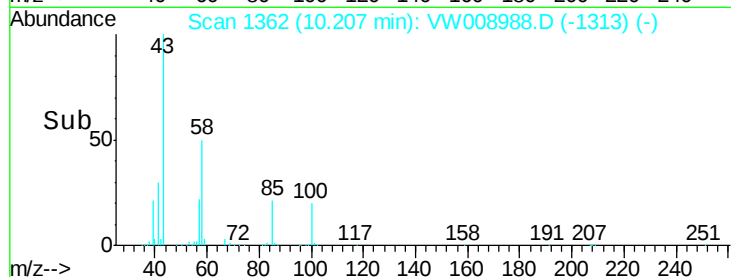
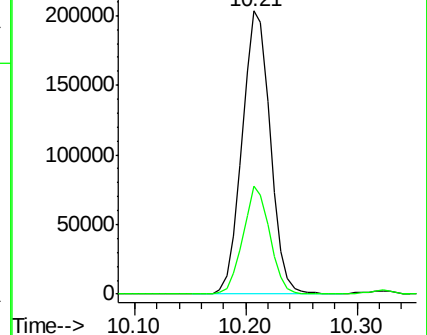
43 100

58 36.5 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 51.543 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008988.D

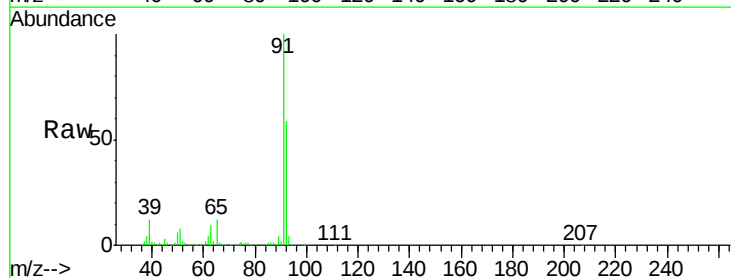
Acq: 05 Mar 2019 10:28

Tgt Ion: 92 Resp: 348613

Ion Ratio Lower Upper

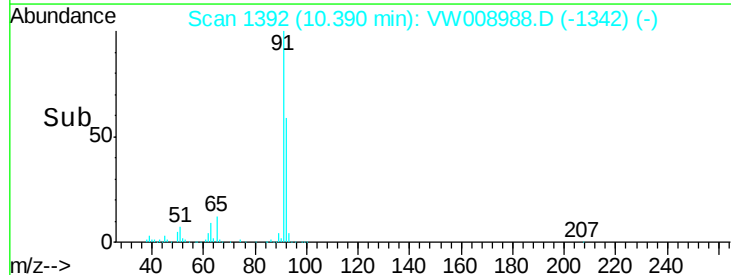
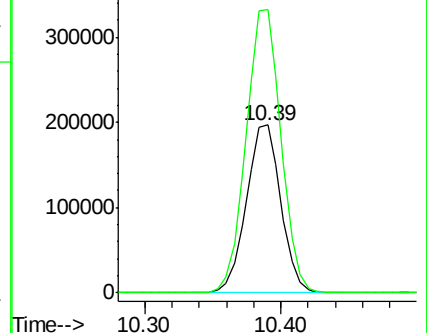
92 100

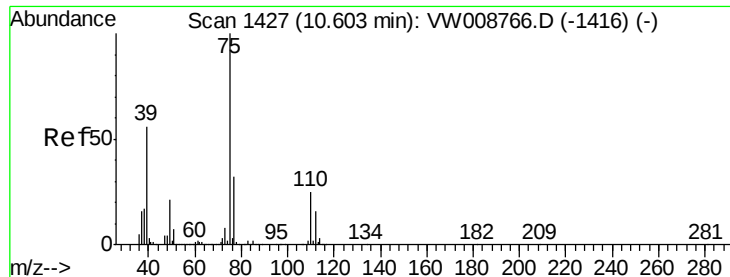
91 171.4 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 47.343 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

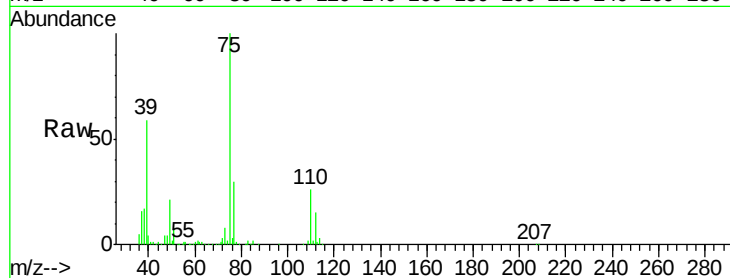
ClientSampled :

Tot Ion: 75 Resp: 160827

Ion Ratio Lower Upper

75 100

77 29.7 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

80000

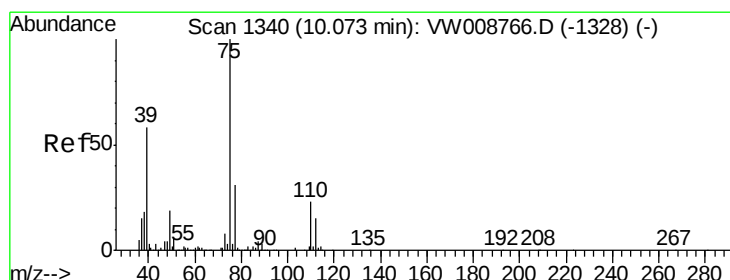
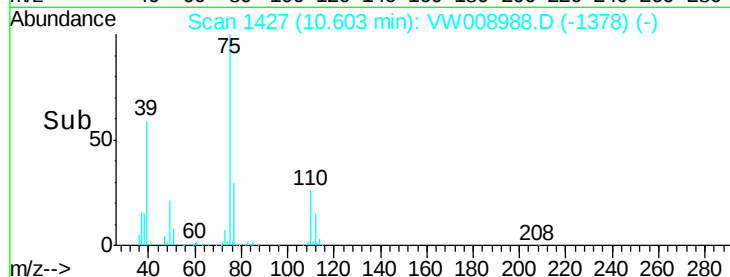
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.116 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

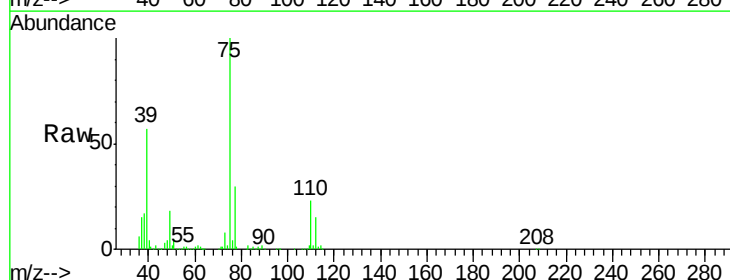
Tgt Ion: 75 Resp: 190295

Ion Ratio Lower Upper

75 100

77 30.4 25.0 37.4

39 57.3 46.6 70.0



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

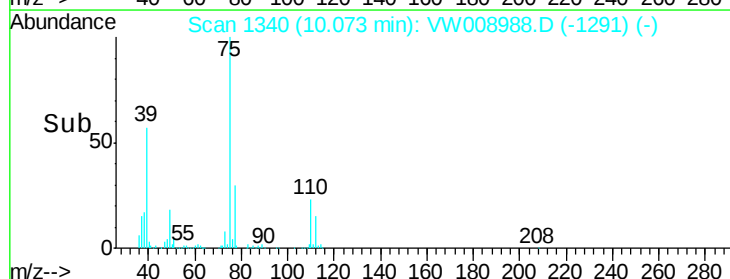
150000

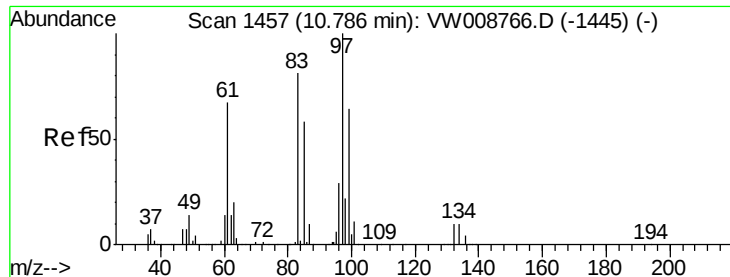
100000

50000

0

Time-->

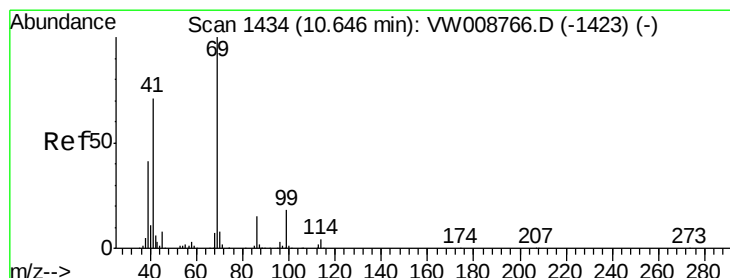
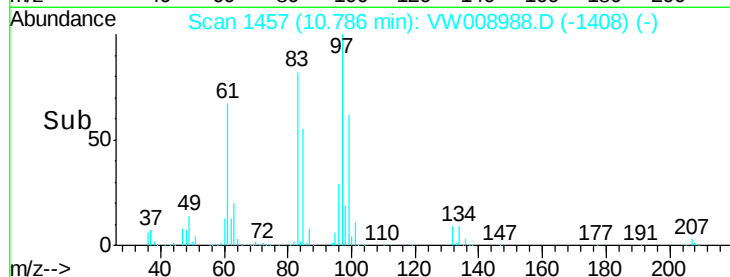
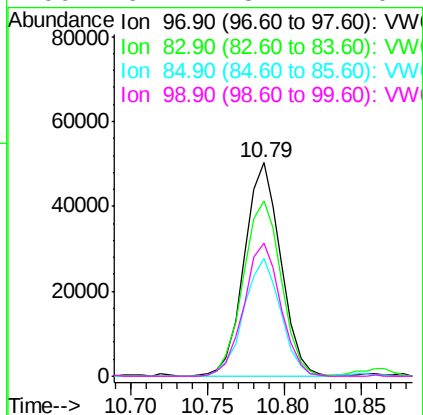
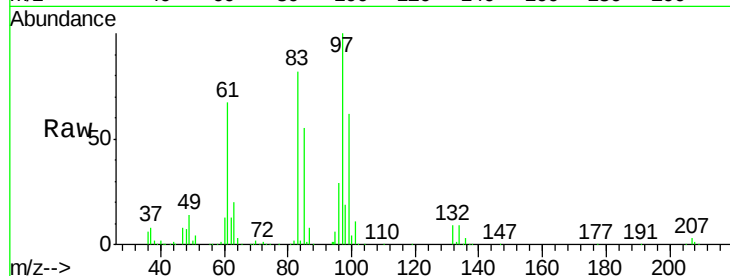




#55
 1,1,2-Trichloroethane
 Concen: 44.969 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

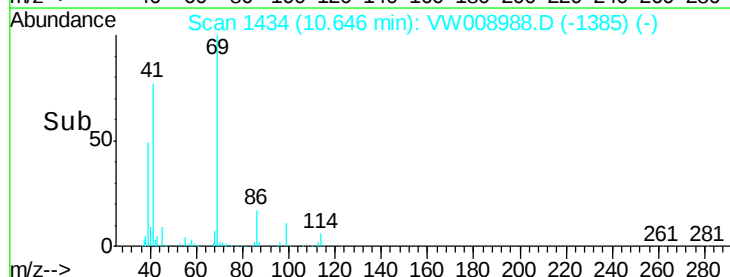
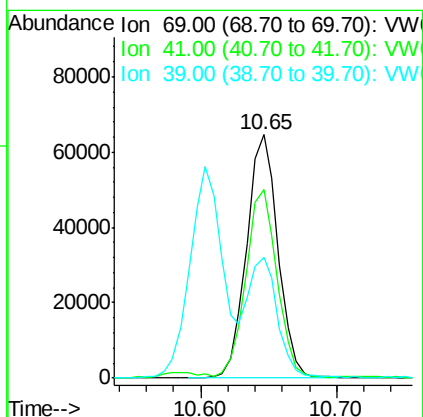
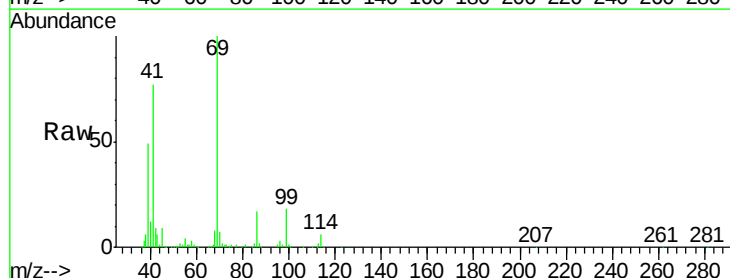
Instrument :
 MSVOA_W
 ClientSampleId :

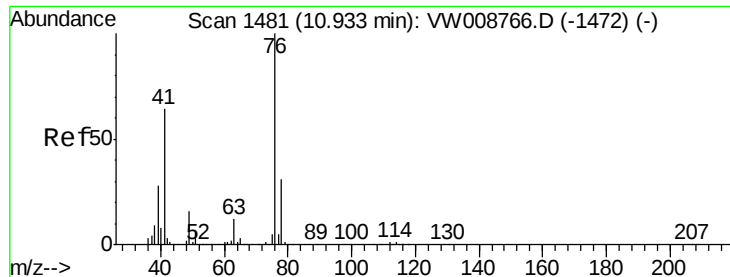
Tot Ion:	97	Resp:	83539
Ion	Ratio	Lower	Upper
97	100		
83	82.3	65.0	97.6
85	55.2	46.0	69.0
99	62.2	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 43.214 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion:	69	Resp:	104299
Ion	Ratio	Lower	Upper
69	100		
41	76.5	57.4	86.0
39	46.3	34.8	52.2

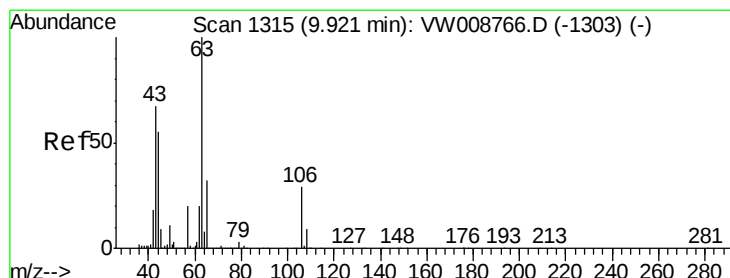
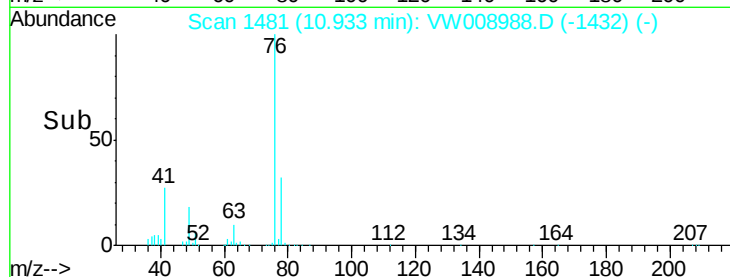
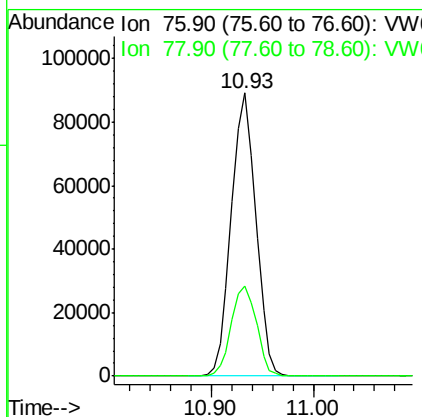
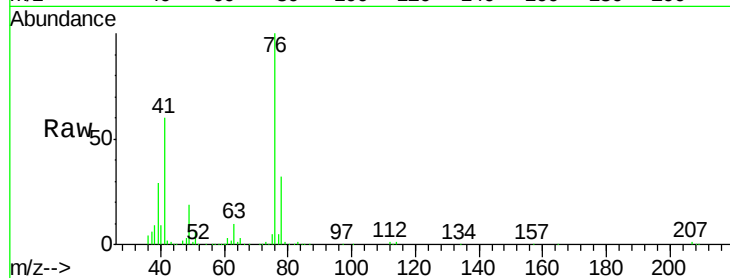




#57
 1,3-Dichloropropane
 Concen: 45.391 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

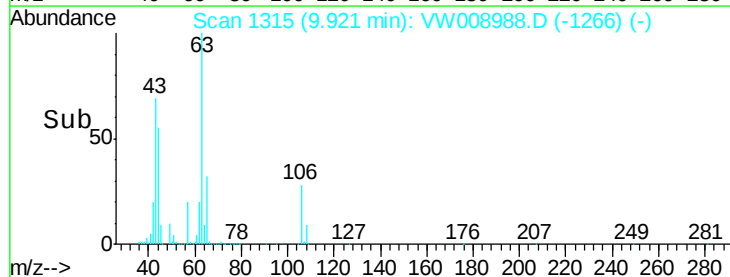
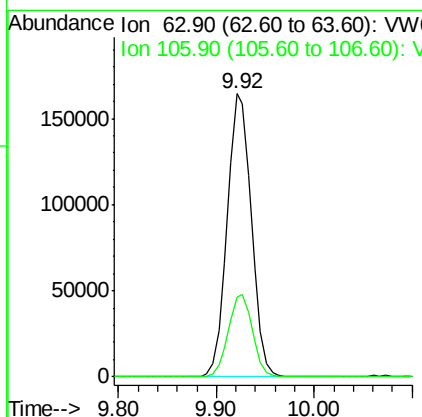
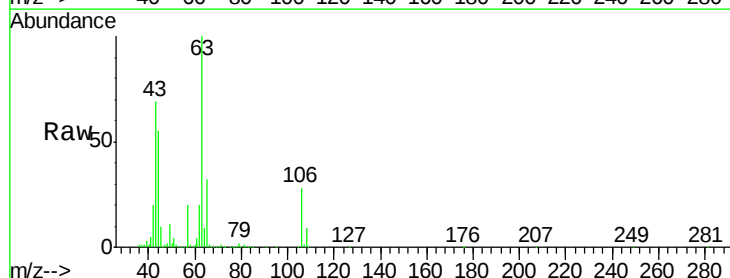
Instrument :
 MSVOA_W
 ClientSampleId :

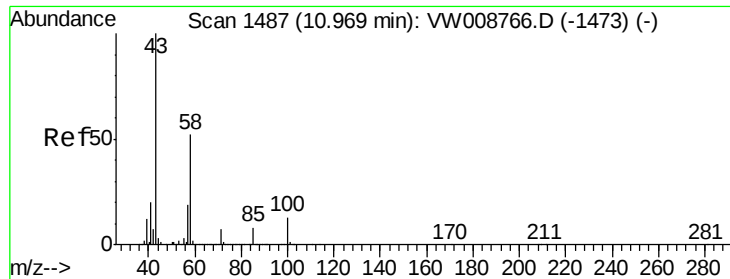
Tot Ion: 76 Resp: 148881
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 232.092 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion: 63 Resp: 281735
 Ion Ratio Lower Upper
 63 100
 106 29.0 24.0 36.0

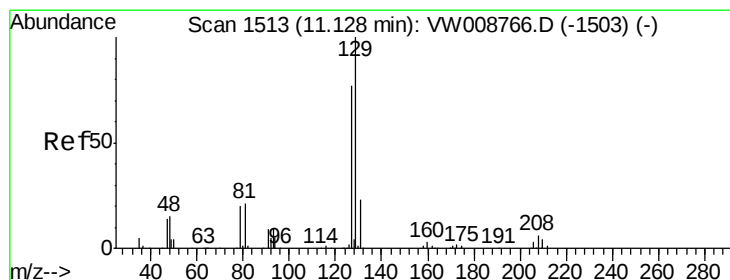
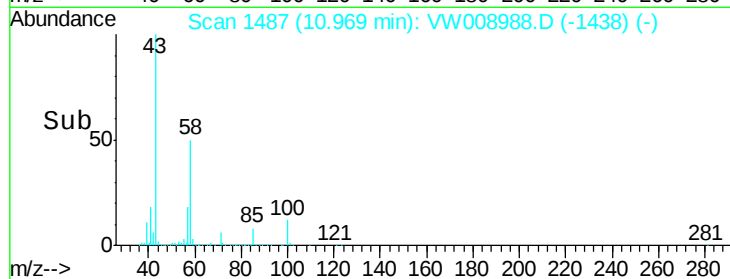
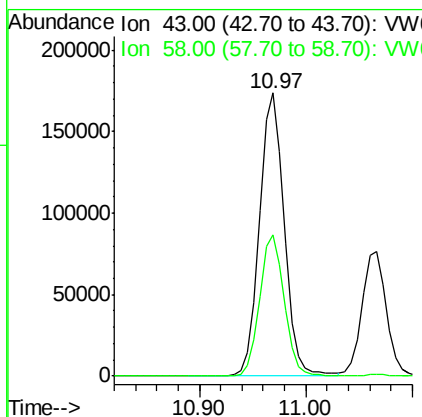
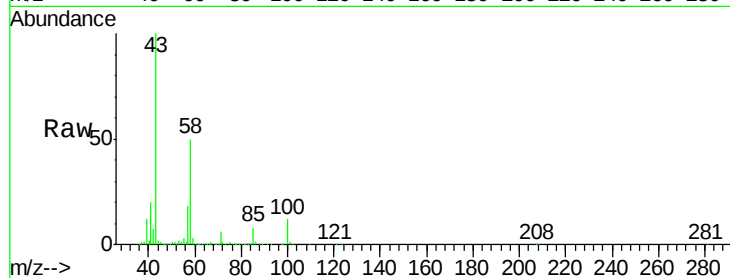




#59
2-Hexanone
Concen: 231.649 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

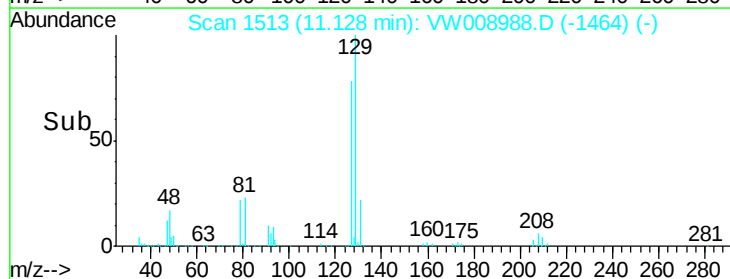
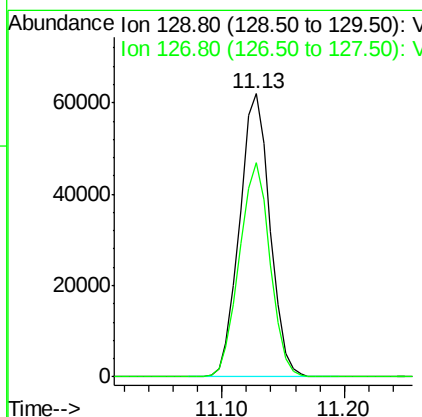
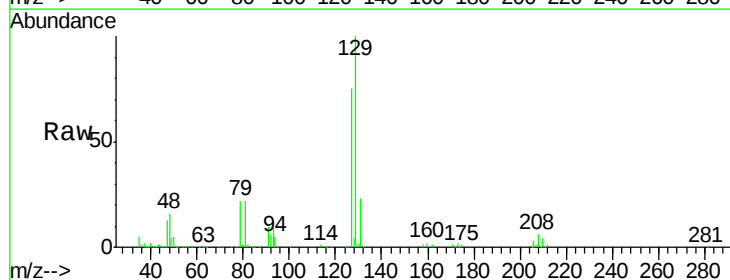
Instrument :
MSVOA_W
ClientSampled :

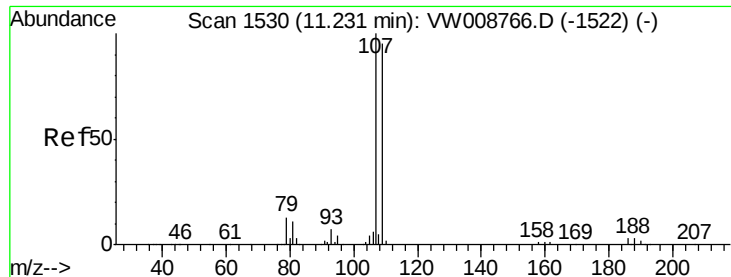
Tot Ion: 43 Resp: 283603
Ion Ratio Lower Upper
43 100
58 49.6 25.3 75.8



#60
Dibromochloromethane
Concen: 47.265 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 129 Resp: 107098
Ion Ratio Lower Upper
129 100
127 76.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 44.918 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

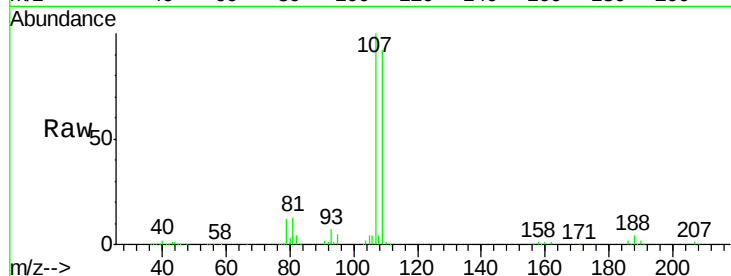
ClientSampled :

Tot Ion:107 Resp: 82597

Ion Ratio Lower Upper

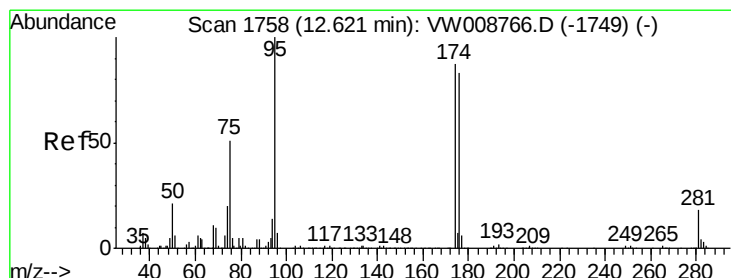
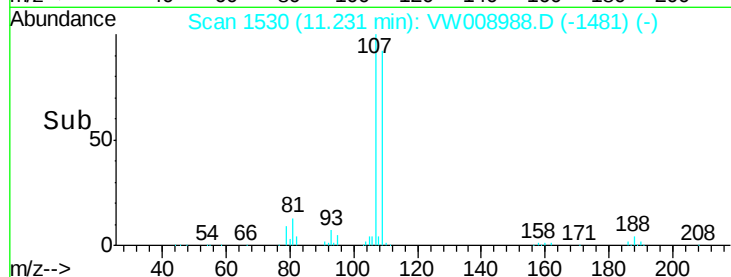
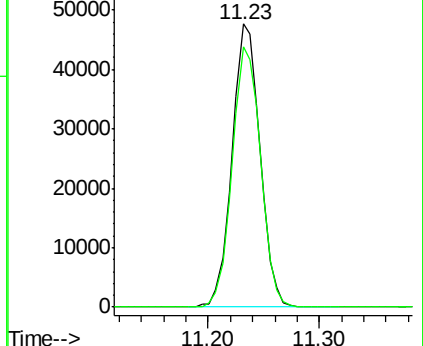
107 100

109 93.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.389 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

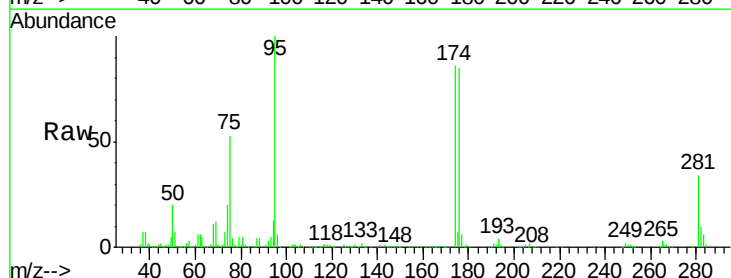
Tgt Ion: 95 Resp: 181673

Ion Ratio Lower Upper

95 100

174 85.1 0.0 169.2

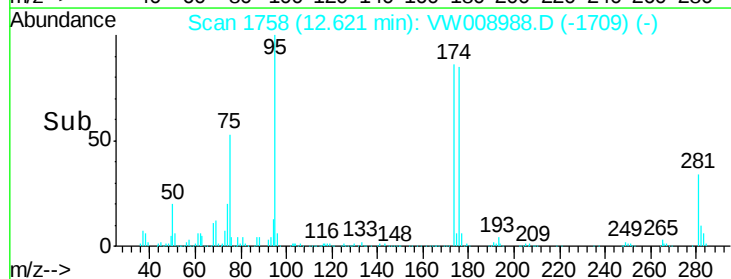
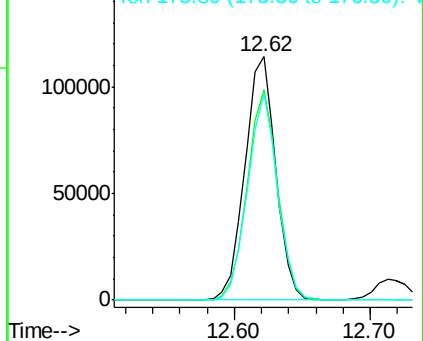
176 82.2 0.0 163.6

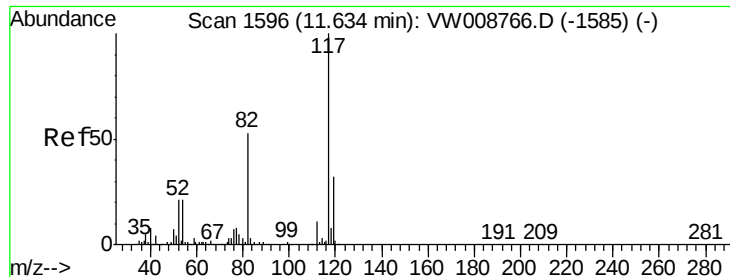


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

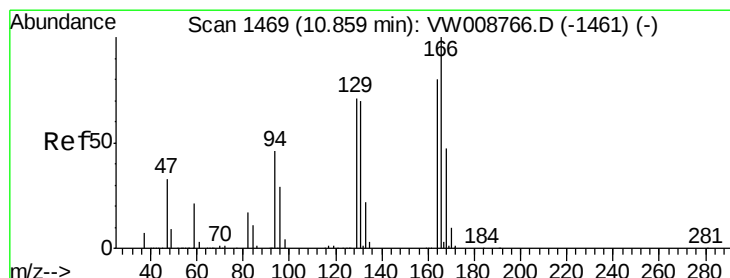
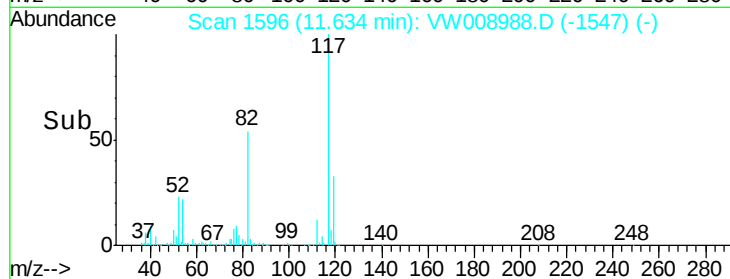
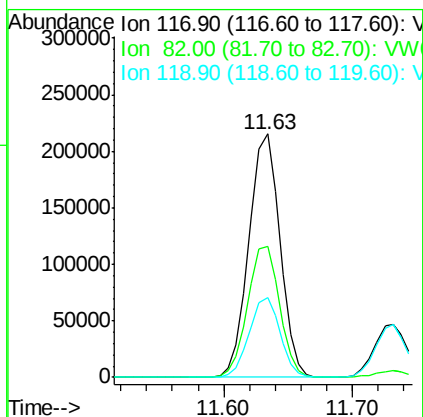
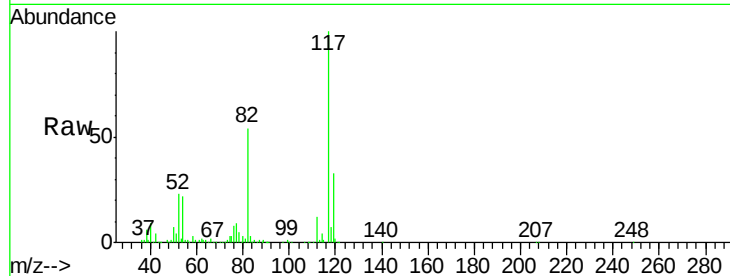




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

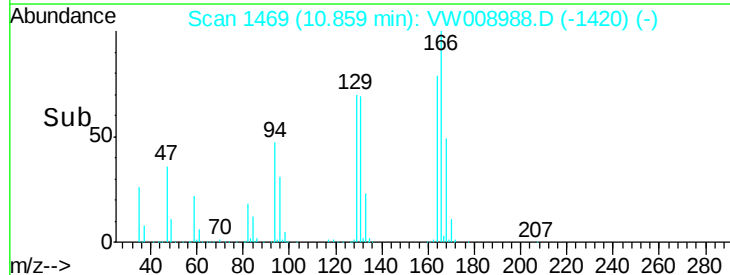
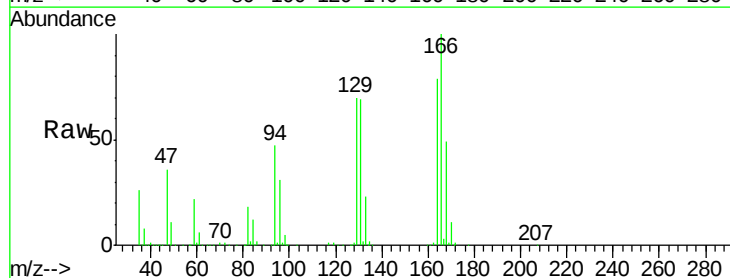
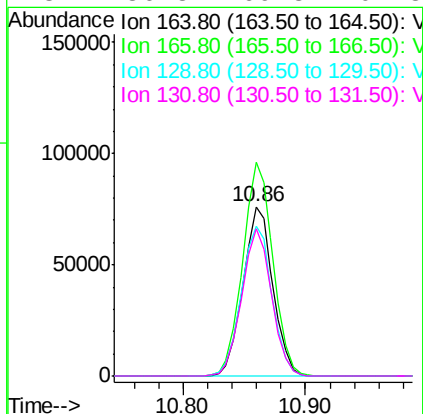
Instrument :
MSVOA_W
ClientSampled :

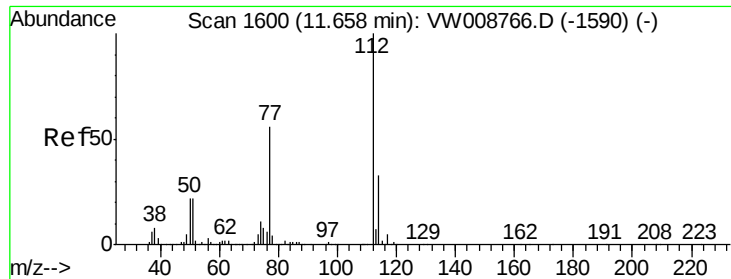
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.2	63.4
119	32.7	25.9	38.9



#64
Tetrachloroethene
Concen: 50.034 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	99.5	149.3
129	89.0	71.1	106.7
131	86.8	69.8	104.8

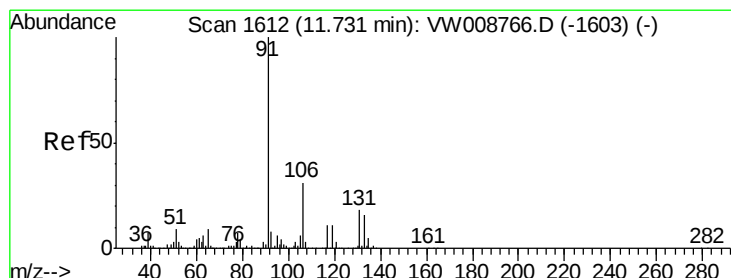
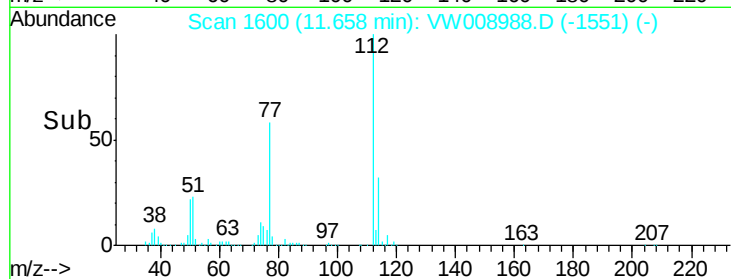
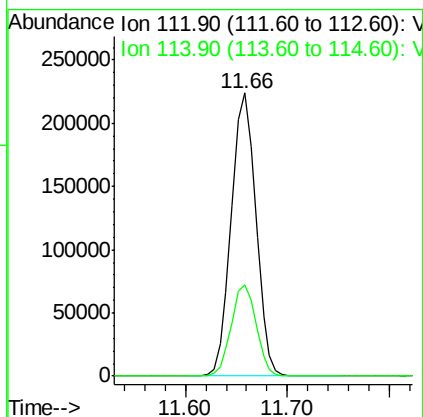
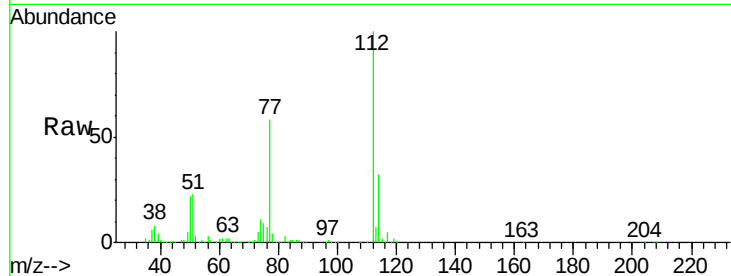




#65
Chlorobenzene
Concen: 49.819 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

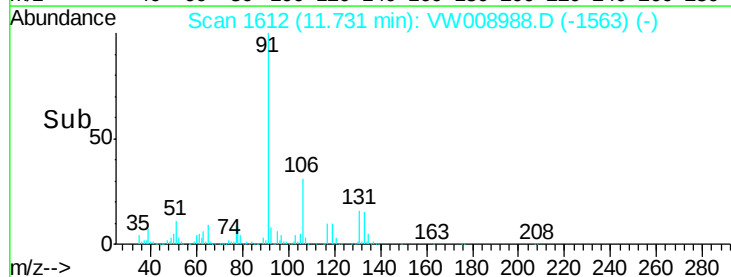
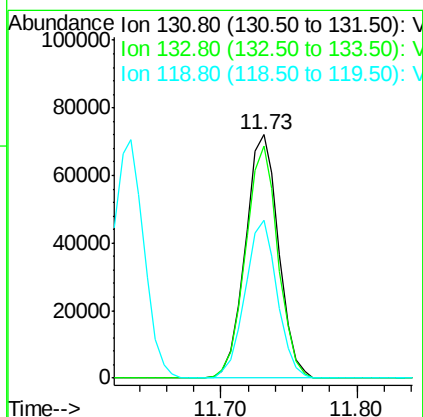
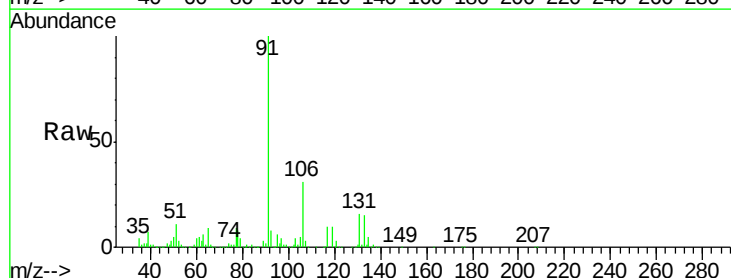
Instrument :
MSVOA_W
ClientSampled :

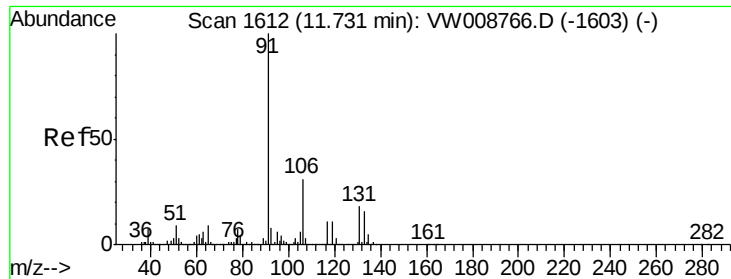
Tot Ion:112 Resp: 374896
Ion Ratio Lower Upper
112 100
114 32.4 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.434 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion:131 Resp: 123237
Ion Ratio Lower Upper
131 100
133 93.0 46.7 140.0
119 62.5 30.8 92.4

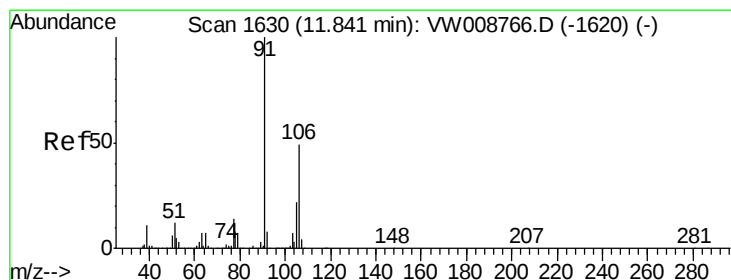
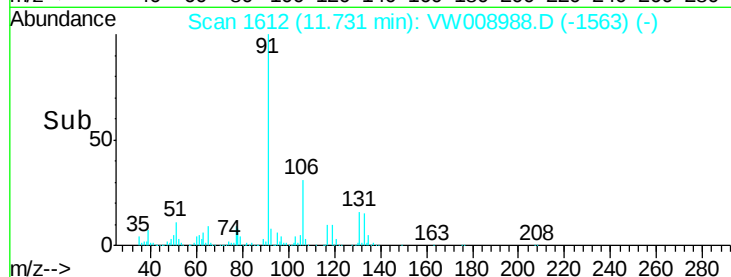
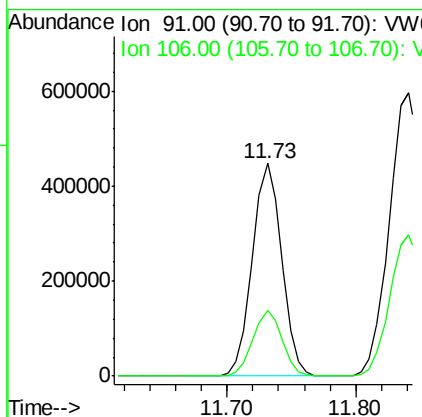
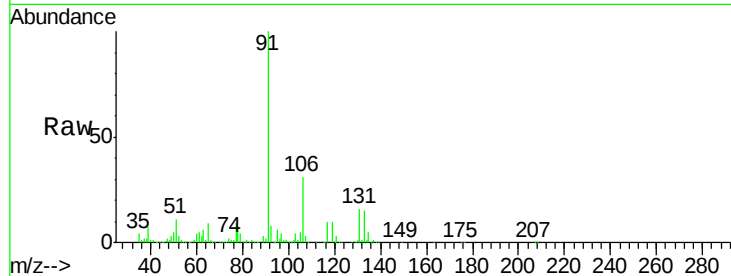




#67
Ethyl Benzene
Concen: 52.163 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

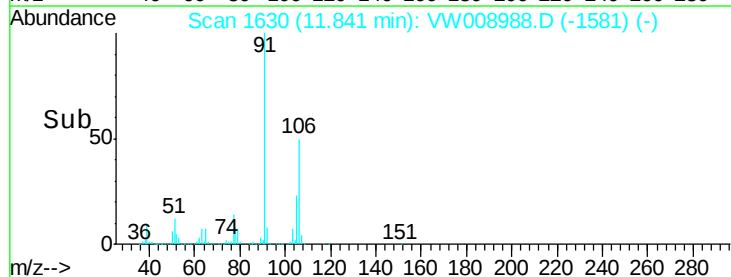
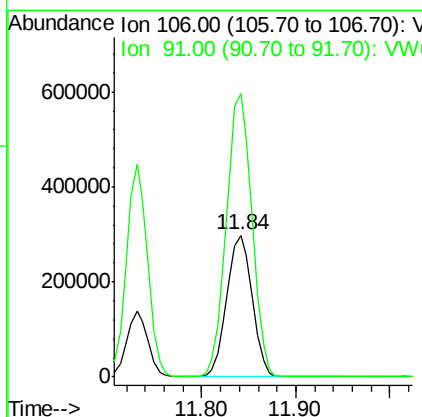
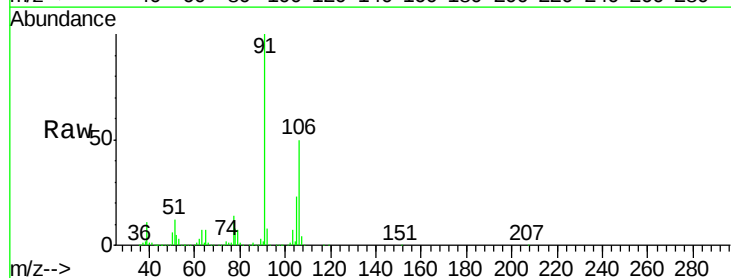
Instrument :
MSVOA_W
ClientSampled :

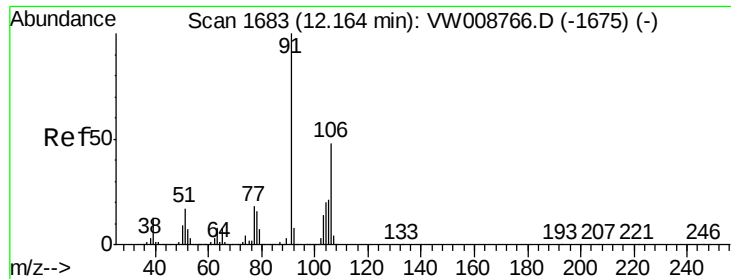
Tot Ion: 91 Resp: 701714
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6



#68
m/p-Xylenes
Concen: 103.713 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 106 Resp: 557448
Ion Ratio Lower Upper
106 100
91 201.0 161.5 242.3

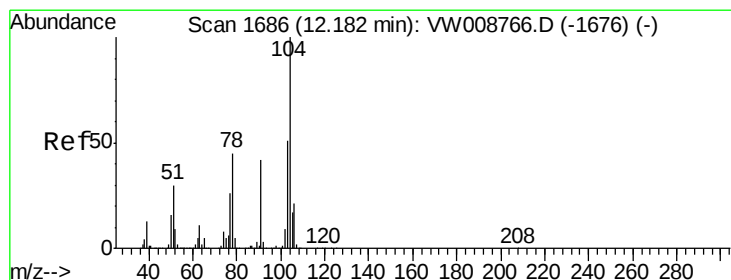
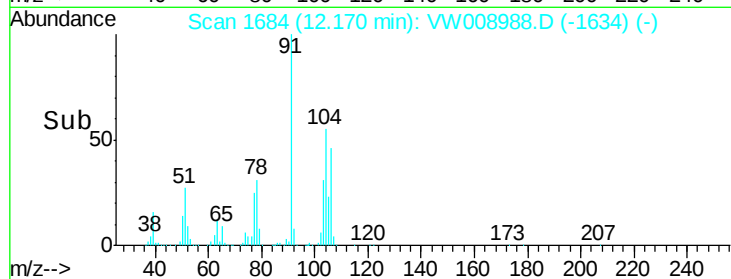
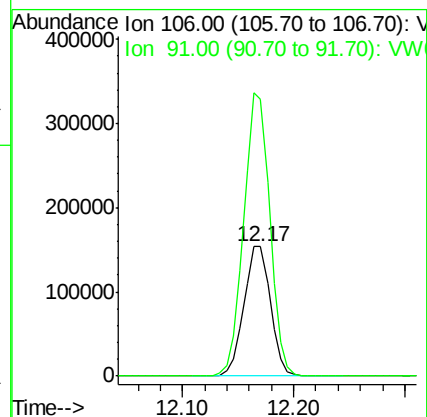
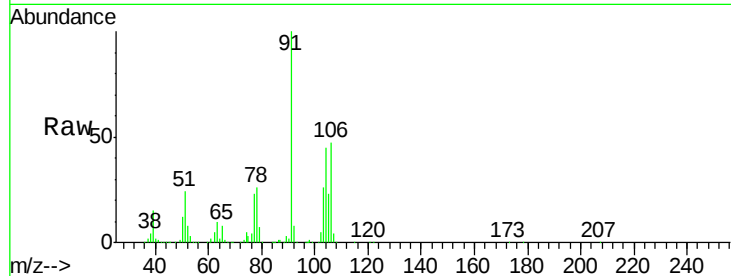




#69
o-Xylene
Concen: 50.507 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

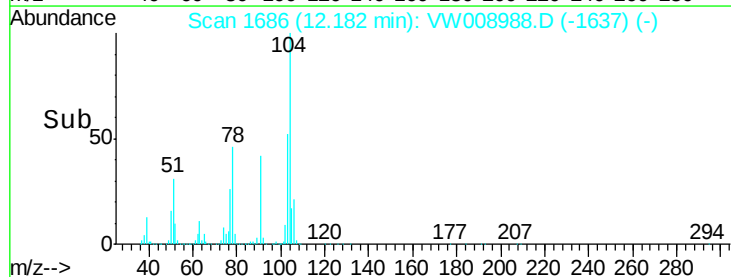
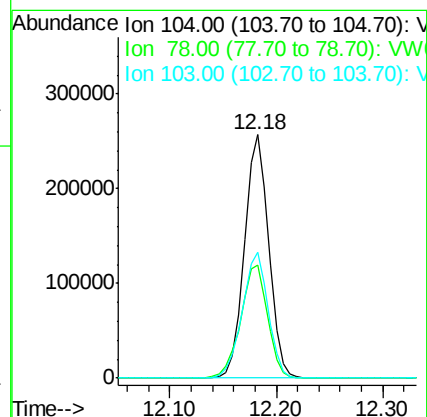
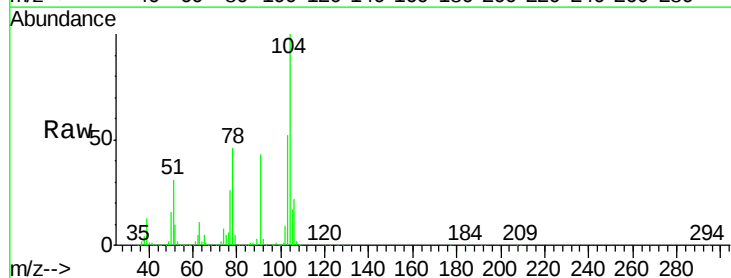
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 254803
Ion Ratio Lower Upper
106 100
91 214.4 106.2 318.6



#70
Styrene
Concen: 50.633 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion:104 Resp: 410957
Ion Ratio Lower Upper
104 100
78 51.5 40.8 61.2
103 55.4 44.2 66.2





#71

Bromoform

Concen: 44.995 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

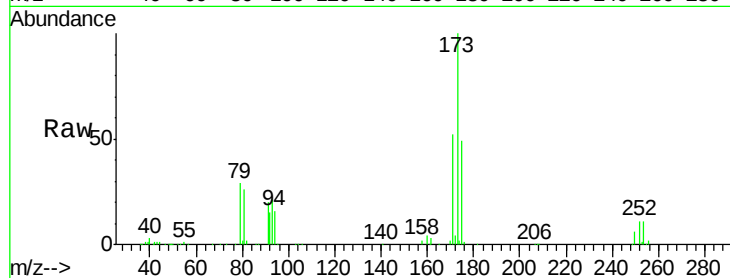
Tot Ion:173 Resp: 61540

Ion Ratio Lower Upper

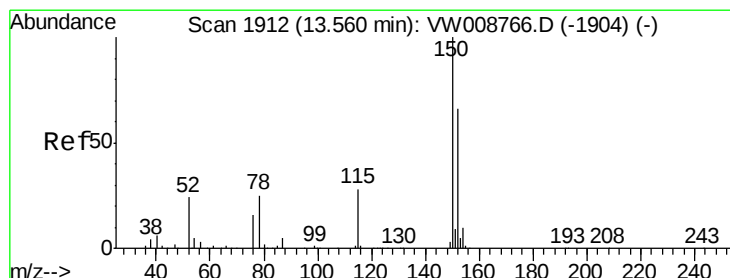
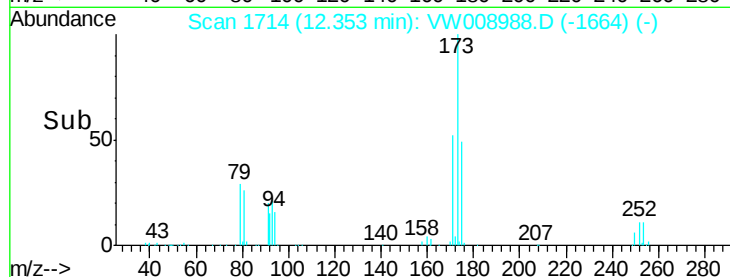
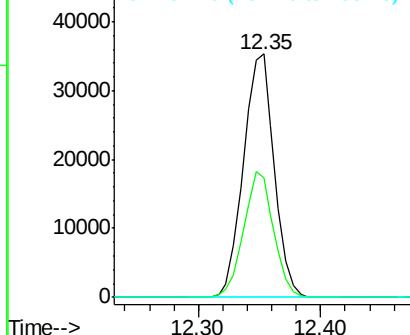
173 100

175 50.3 24.2 72.6

254 0.2 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

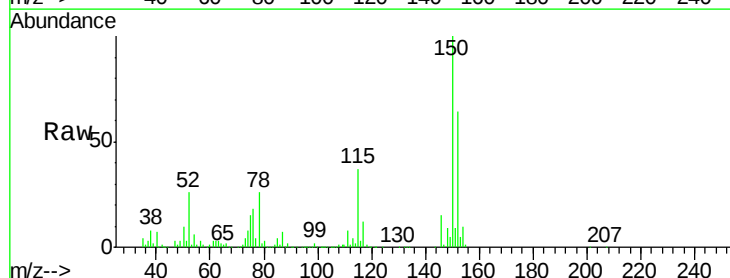
Tgt Ion:152 Resp: 196789

Ion Ratio Lower Upper

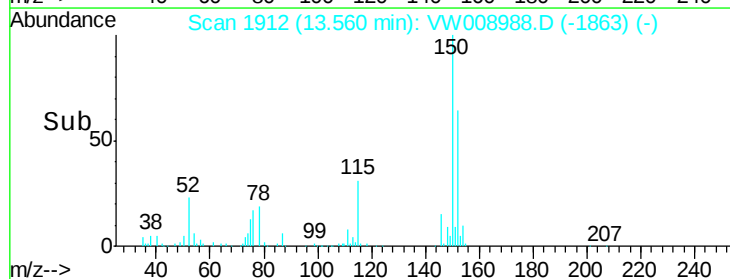
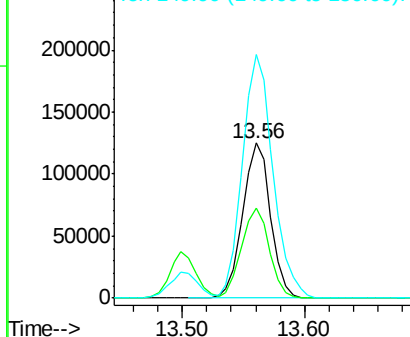
152 100

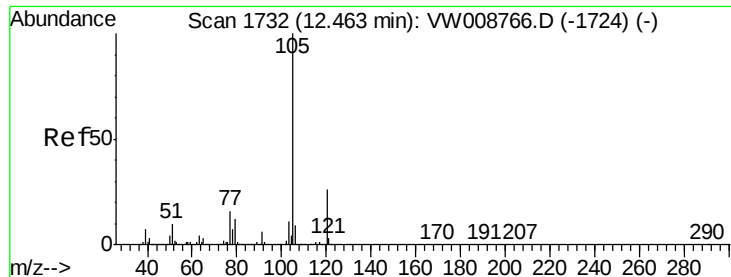
115 58.4 28.6 85.8

150 173.0 0.0 348.0



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





#73

Isopropylbenzene

Concen: 53.582 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

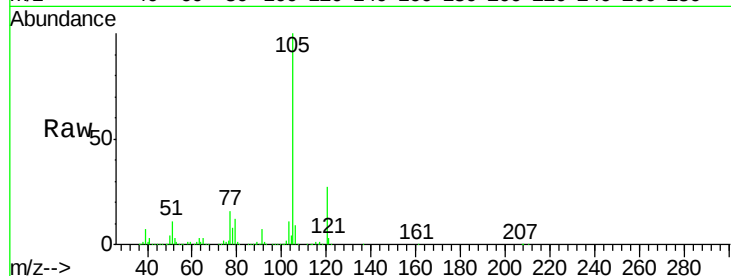
ClientSampled :

Tot Ion:105 Resp: 722859

Ion Ratio Lower Upper

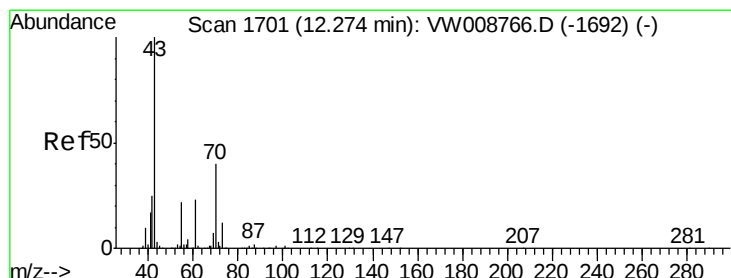
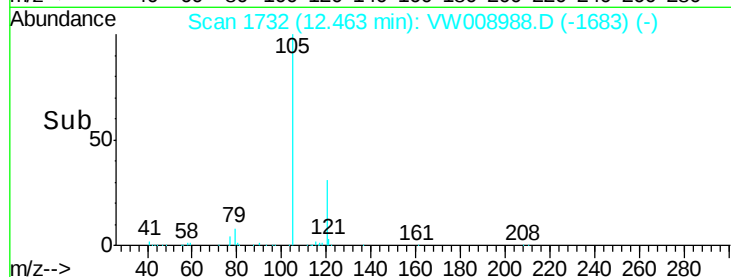
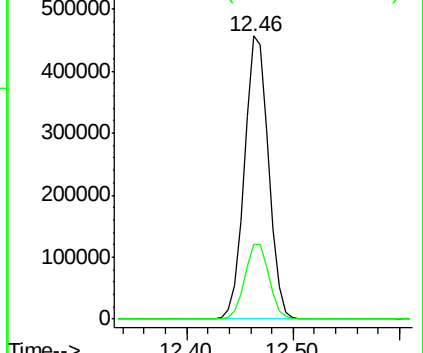
105 100

120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.063 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Tgt Ion: 43 Resp: 146337

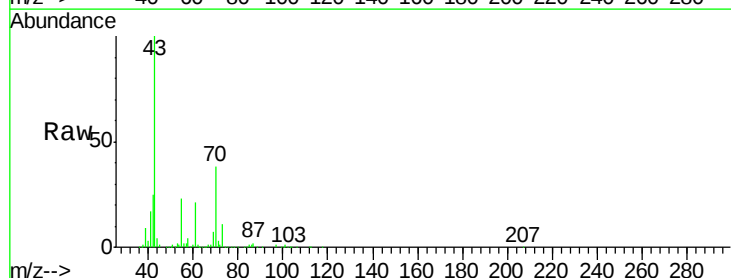
Ion Ratio Lower Upper

43 100

70 38.3 31.0 46.6

55 23.6 18.7 28.1

61 22.5 18.1 27.1

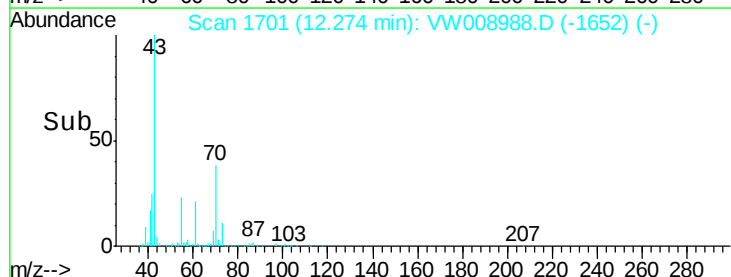
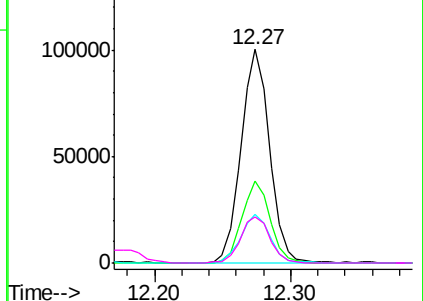


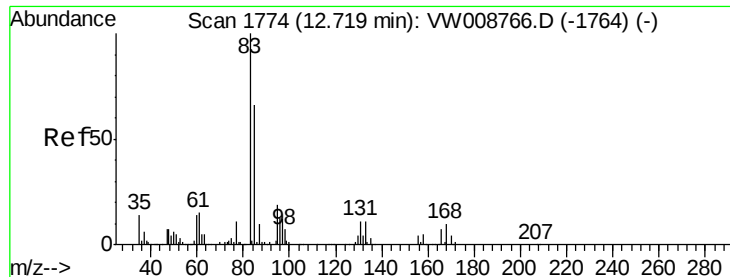
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 44.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

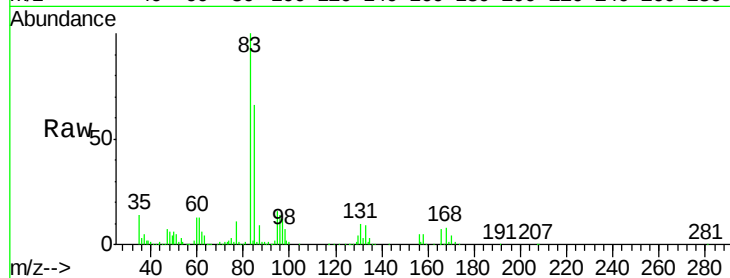
Tot Ion: 83 Resp: 97861

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.7

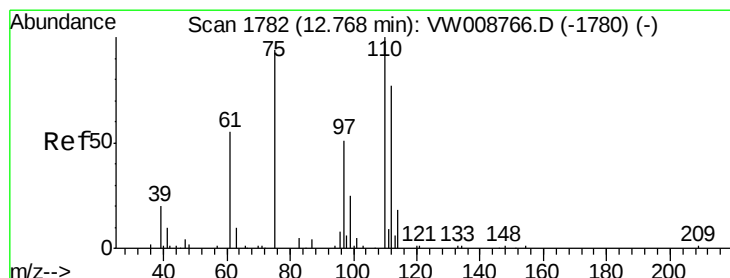
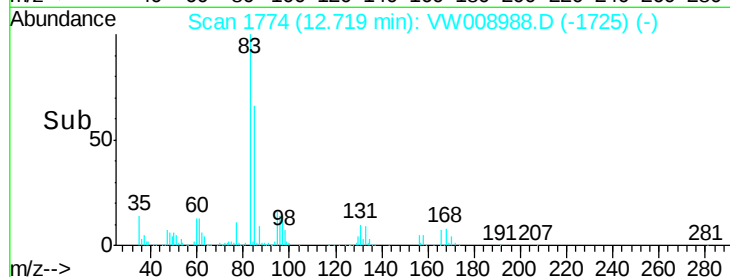
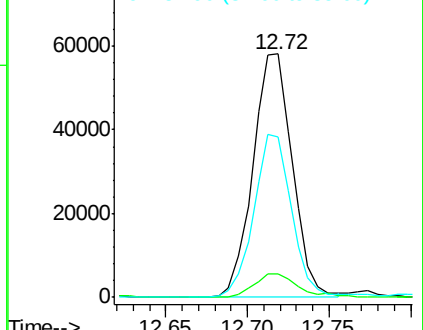
85 63.9 33.0 98.9



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: 85.516 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008988.D

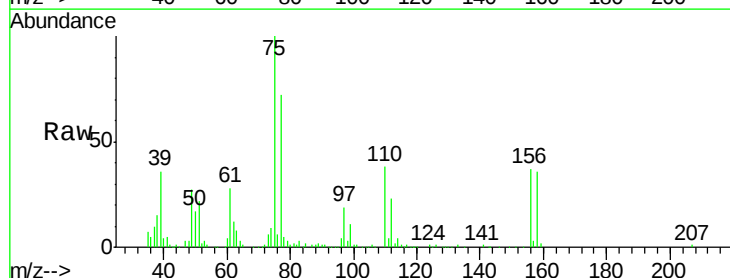
Acq: 05 Mar 2019 10:28

Tgt Ion: 75 Resp: 138943

Ion Ratio Lower Upper

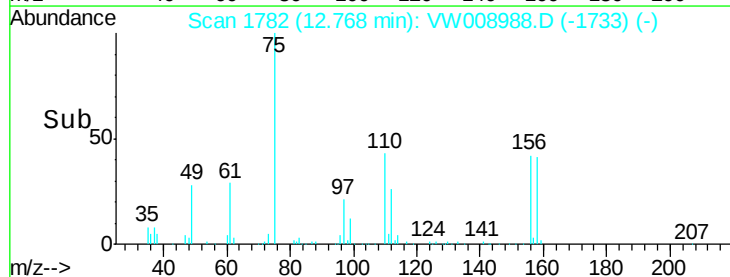
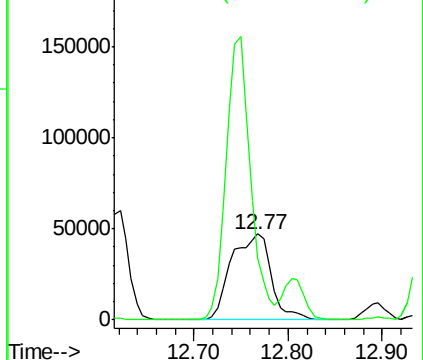
75 100

77 202.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

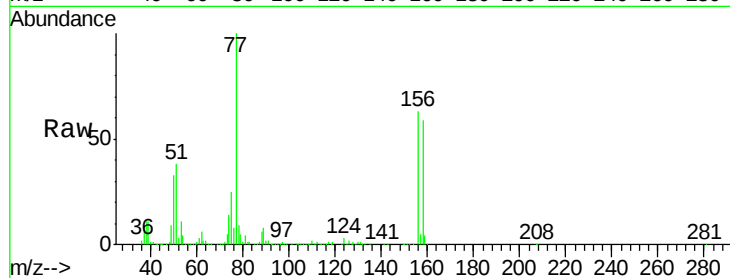




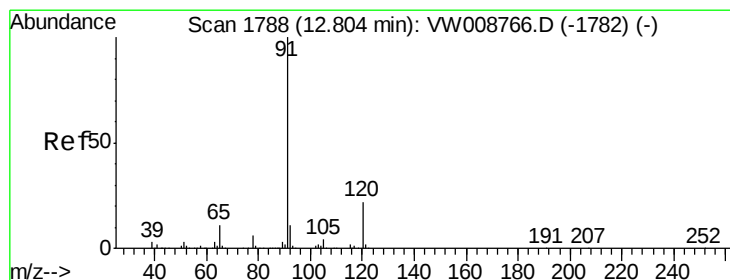
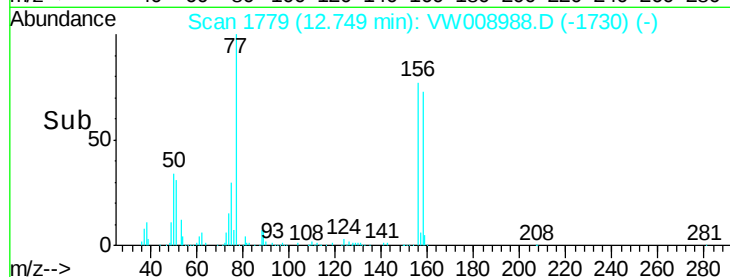
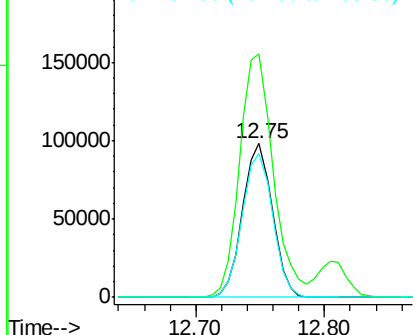
#77
Bromobenzene
Concen: 49.534 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:156 Resp: 157914
Ion Ratio Lower Upper
156 100
77 178.3 89.1 267.4
158 96.1 49.2 147.6

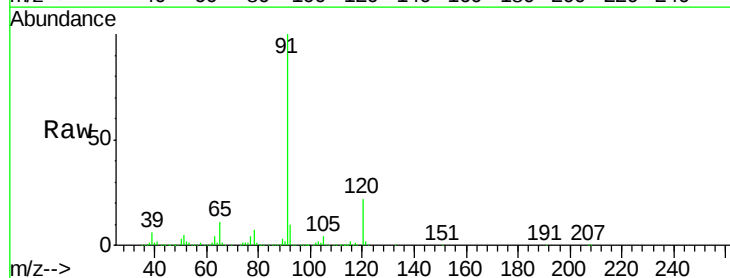


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V

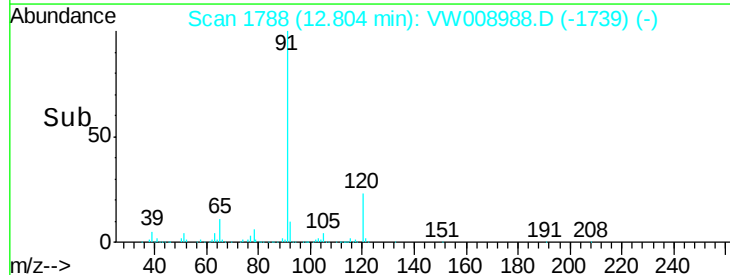
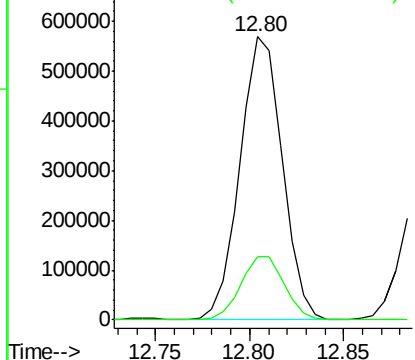


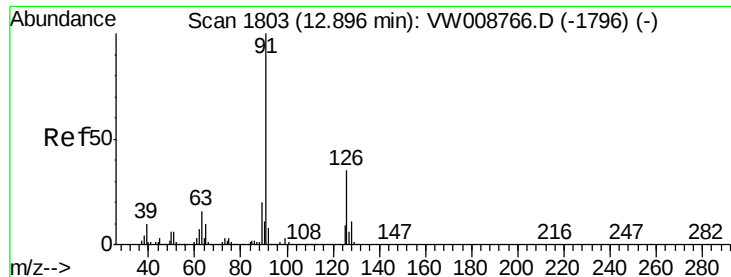
#78
n-propylbenzene
Concen: 53.754 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 91 Resp: 887057
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.4



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





#79

2-Chlorotoluene

Concen: 52.439 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

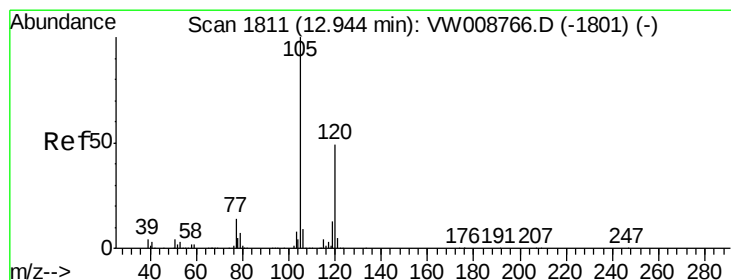
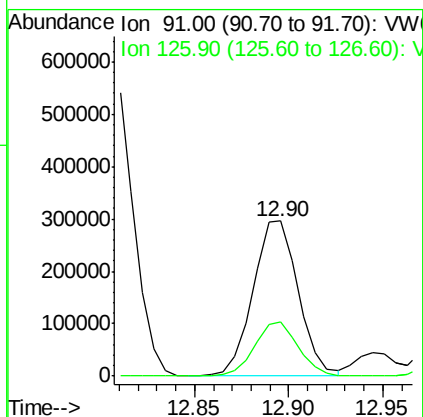
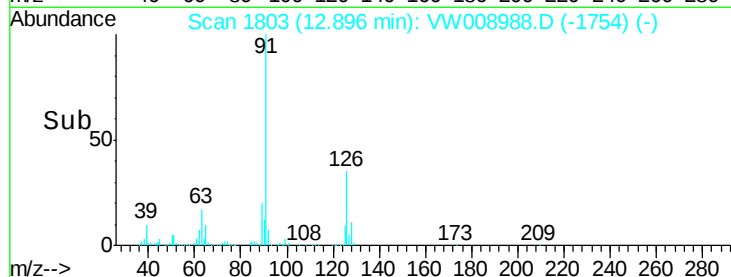
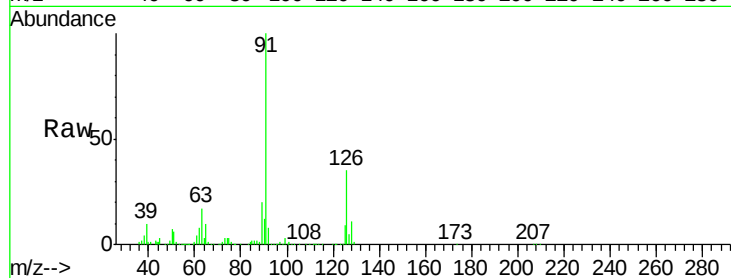
ClientSampleId :

Tot Ion: 91 Resp: 491318

Ion Ratio Lower Upper

91 100

126 33.8 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 53.215 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008988.D

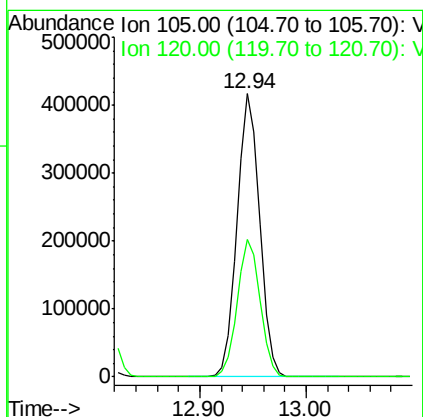
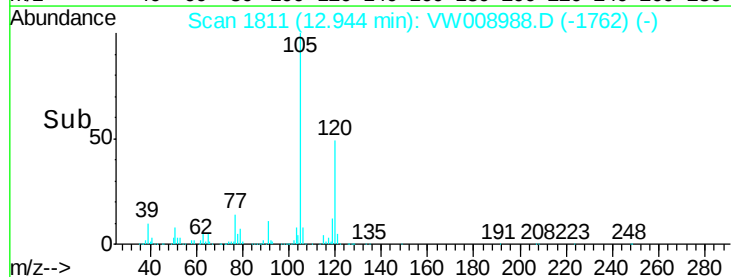
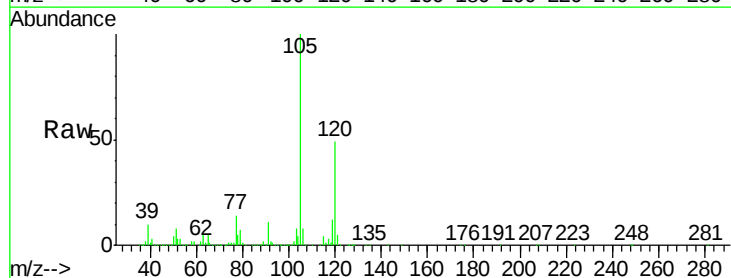
Acq: 05 Mar 2019 10:28

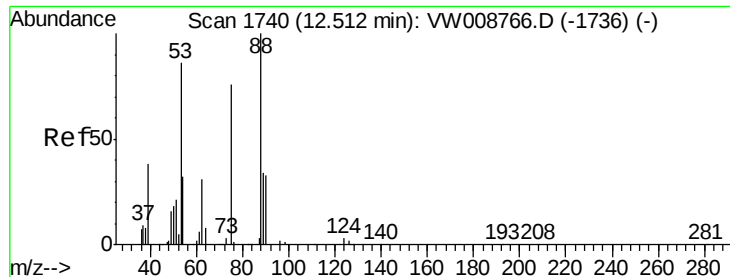
Tgt Ion: 105 Resp: 623875

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4

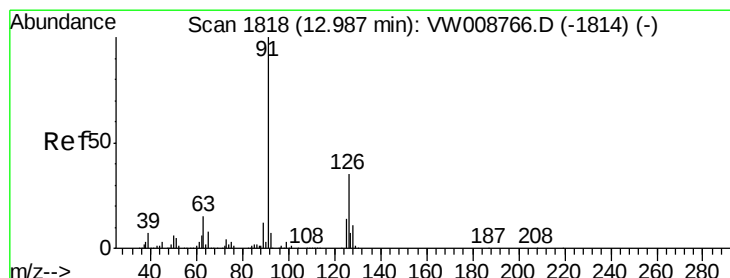
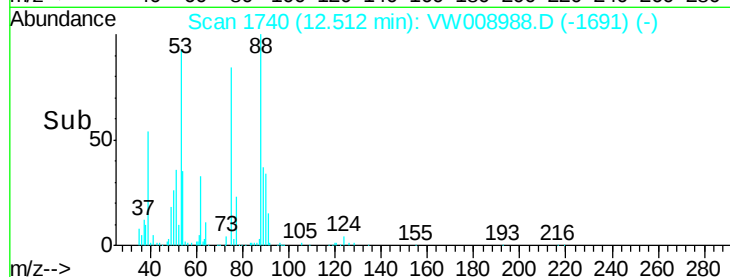
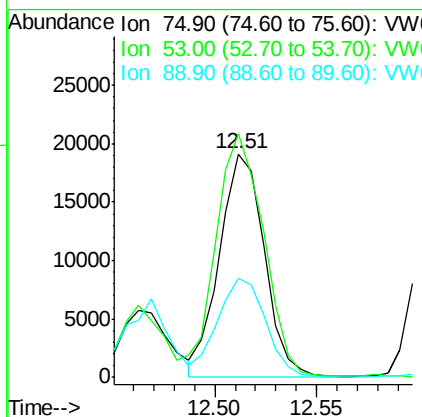
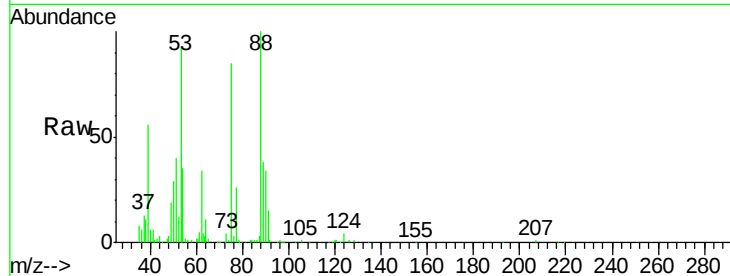




#81
trans-1,4-Dichloro-2-butene
Concen: 43.702 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

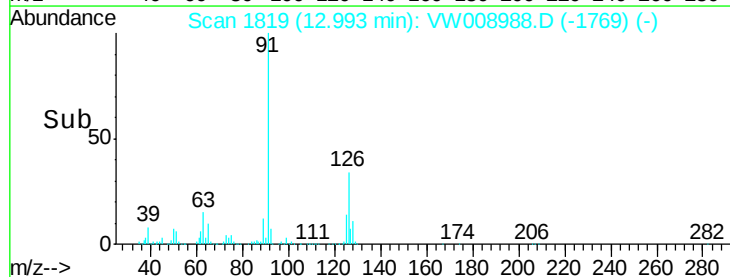
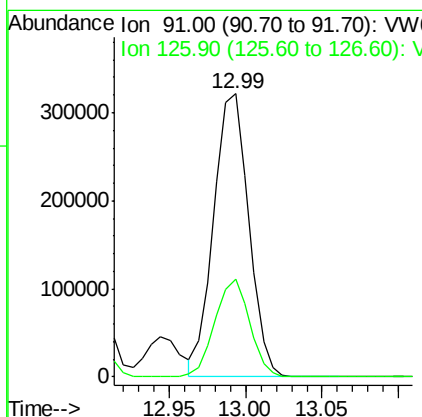
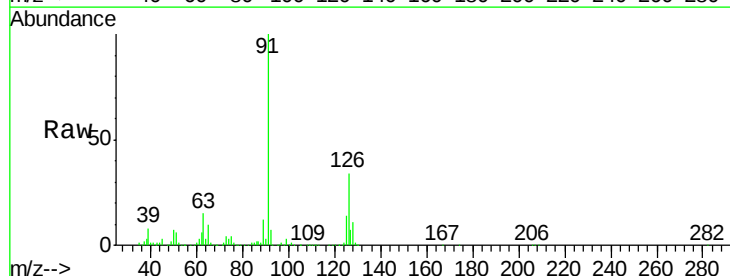
Instrument :
MSVOA_W
ClientSampled :

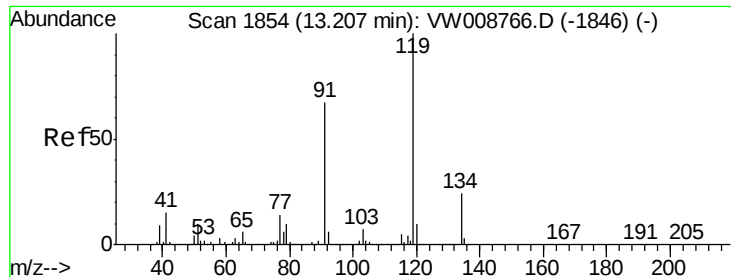
Tot Ion: 75 Resp: 29207
Ion Ratio Lower Upper
75 100
53 115.7 88.2 132.2
89 47.5 39.5 59.3



#82
4-Chlorotoluene
Concen: 51.952 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion: 91 Resp: 512943
Ion Ratio Lower Upper
91 100
126 34.1 17.2 51.6

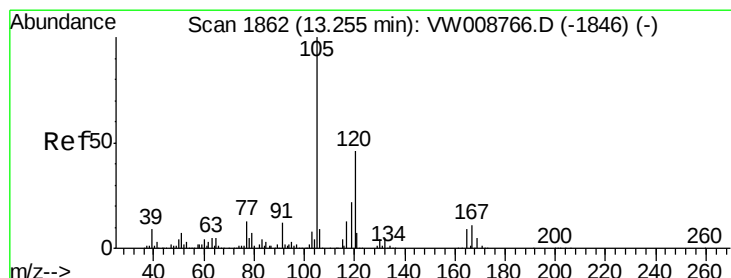
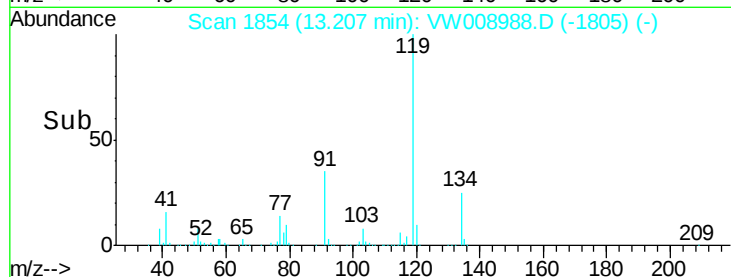
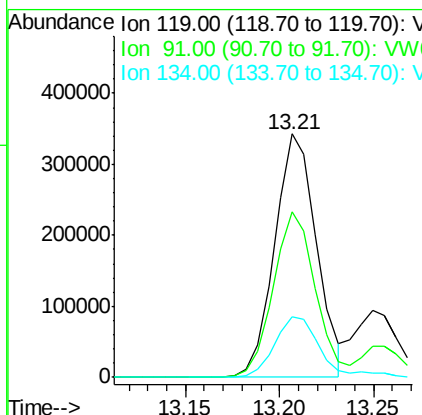
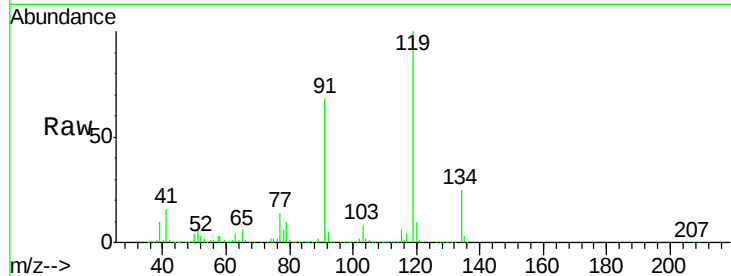




#83
 tert-Butylbenzene
 Concen: 52.054 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

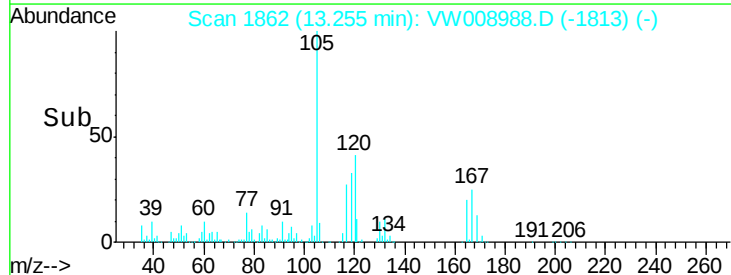
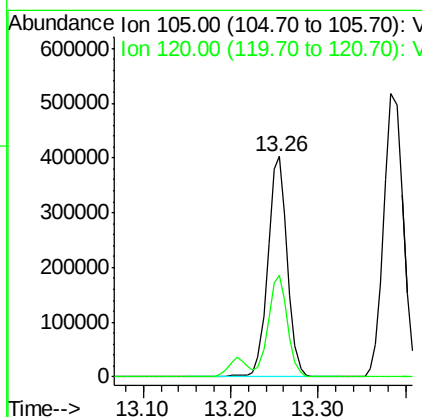
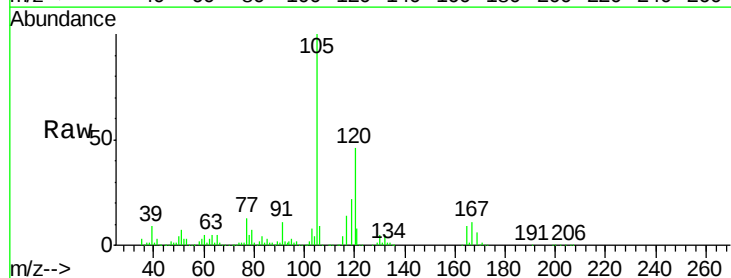
Instrument :
 MSVOA_W
 ClientSampled :

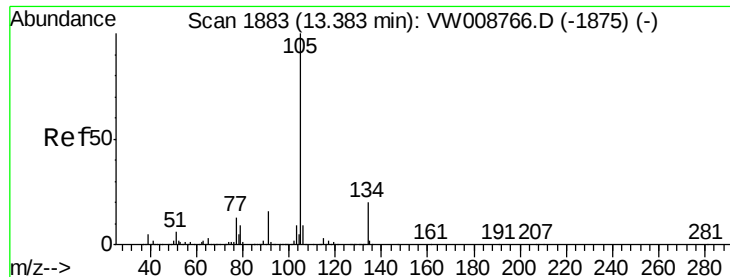
Tot Ion:119 Resp: 527669
 Ion Ratio Lower Upper
 119 100
 91 68.7 33.6 100.8
 134 27.5 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 51.597 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion:105 Resp: 626176
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4

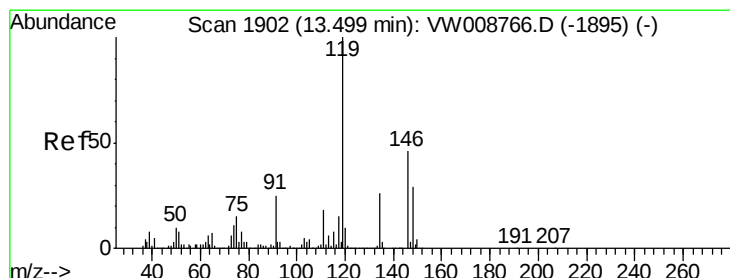
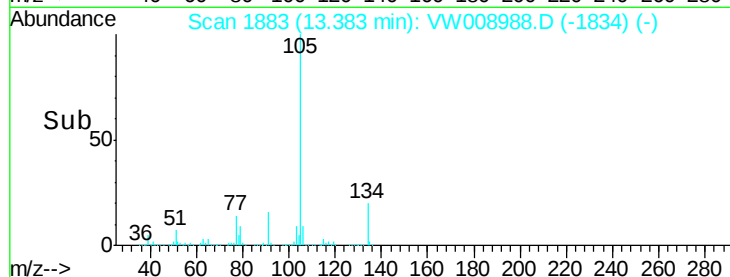
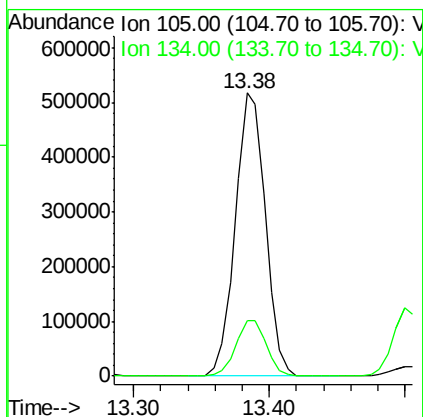
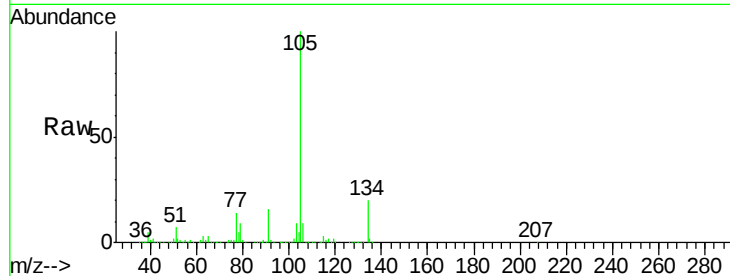




#85
 sec-Butylbenzene
 Concen: 54.429 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

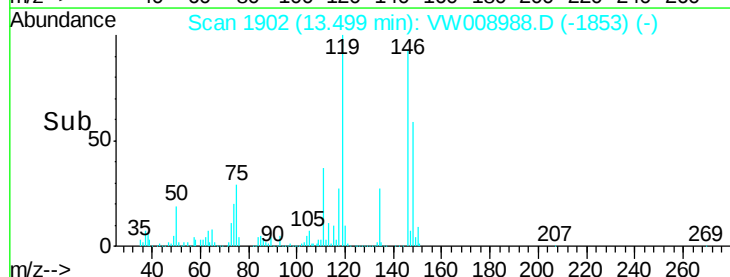
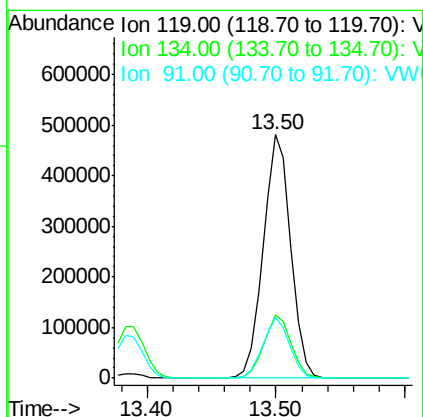
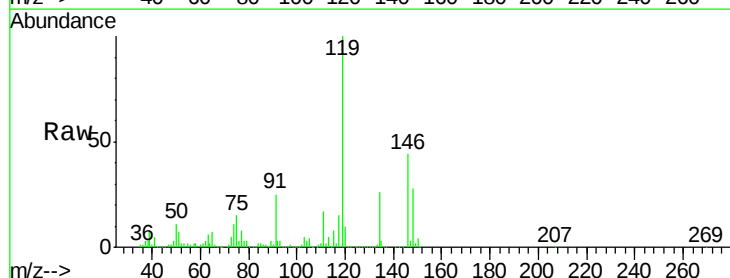
Instrument :
 MSVOA_W
 ClientSampled :

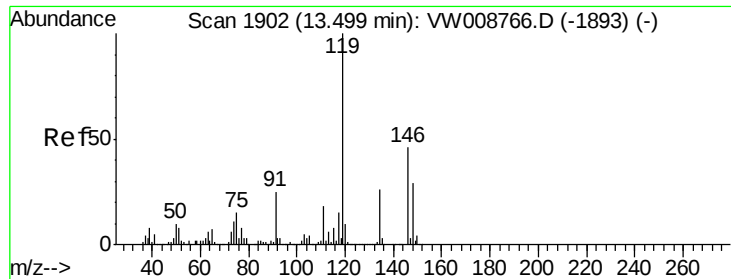
Tot Ion:105 Resp: 793368
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 52.687 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion:119 Resp: 704024
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 24.2 12.1 36.3

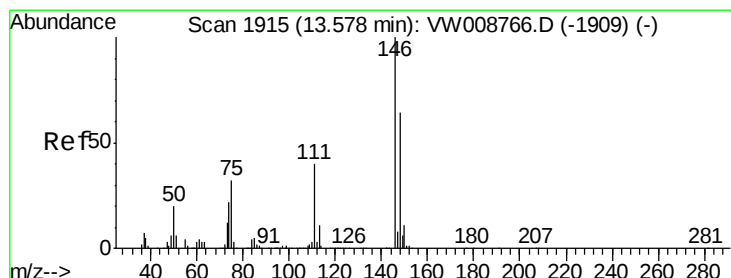
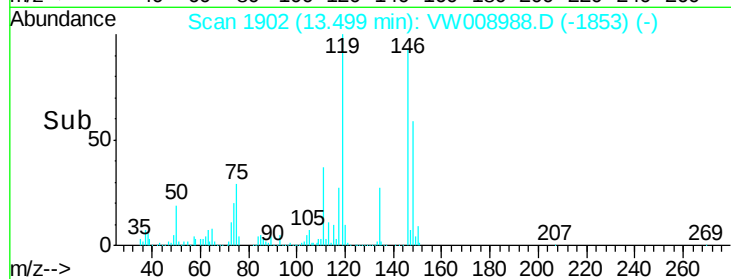
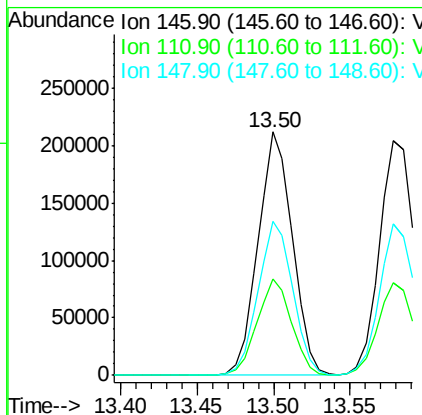
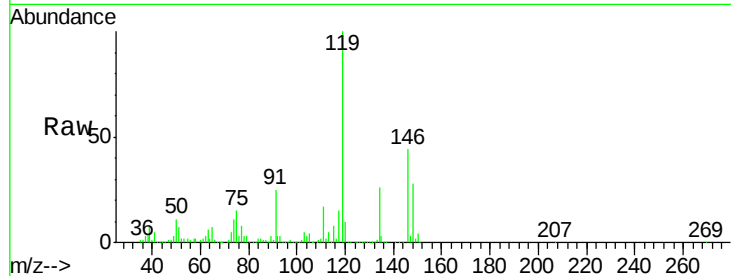




#87
 1,3-Dichlorobenzene
 Concen: 50.169 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

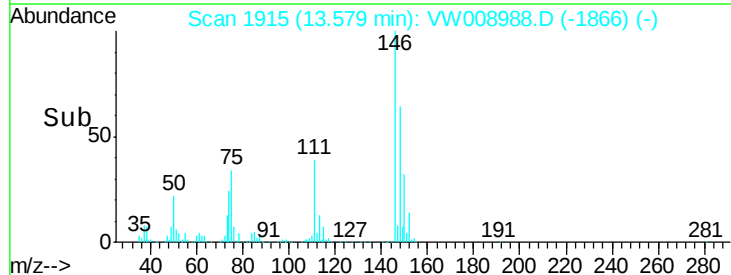
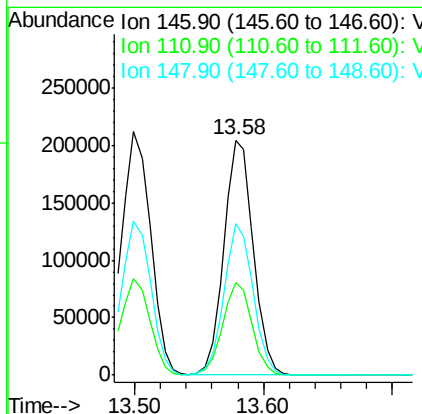
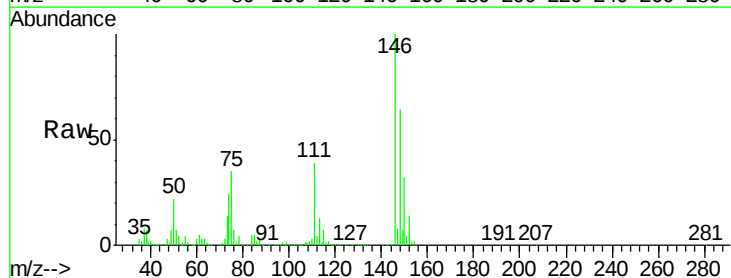
Instrument :
 MSVOA_W
 ClientSampleId :

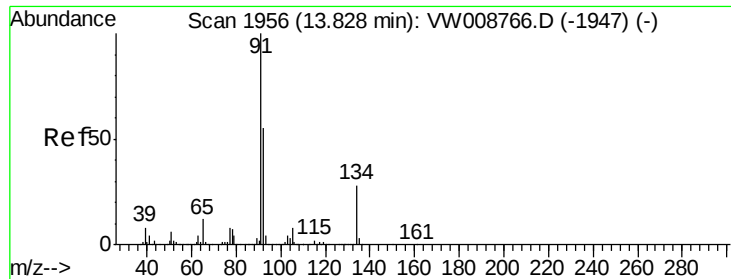
Tot Ion:146 Resp: 331837
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.9 59.7
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 50.107 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion:146 Resp: 326645
 Ion Ratio Lower Upper
 146 100
 111 39.8 19.3 57.9
 148 63.6 31.9 95.9





#89

n-Butylbenzene

Concen: 54.736 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008988.D

Acq: 05 Mar 2019 10:28

Instrument :

MSVOA_W

ClientSampleId :

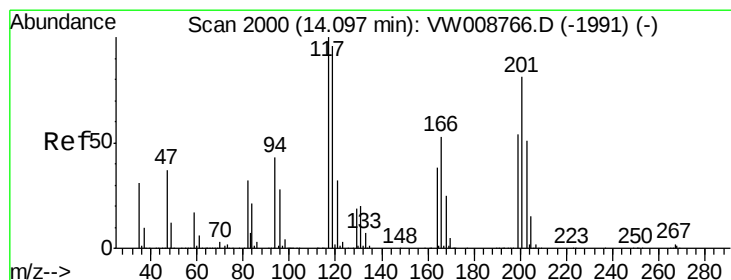
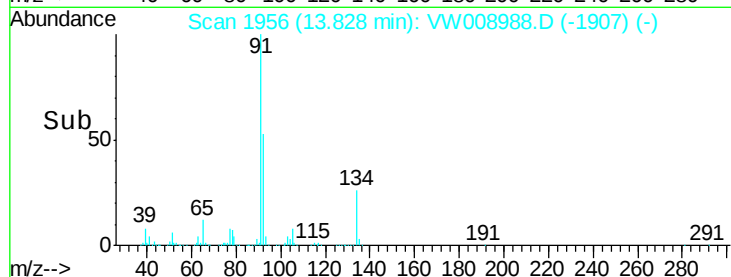
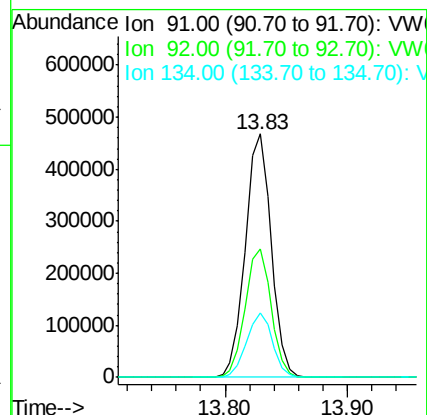
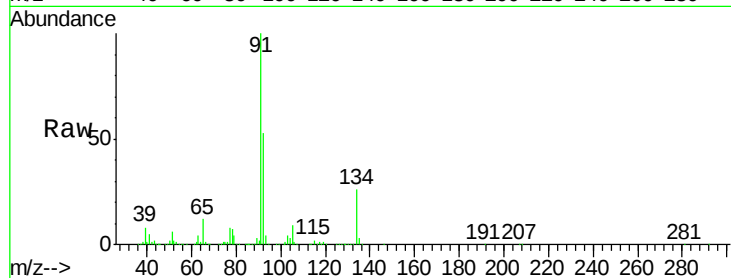
Tot Ion: 91 Resp: 685213

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.4

134 26.4 13.5 40.4



#90

Hexachloroethane

Concen: 54.398 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008988.D

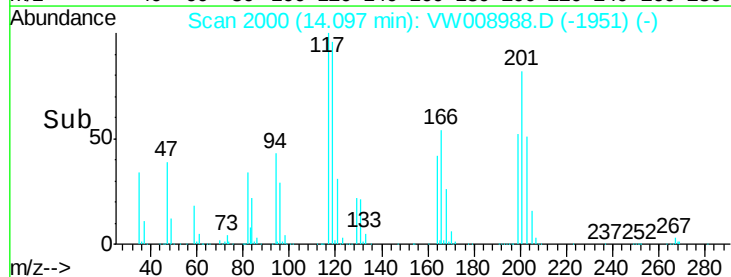
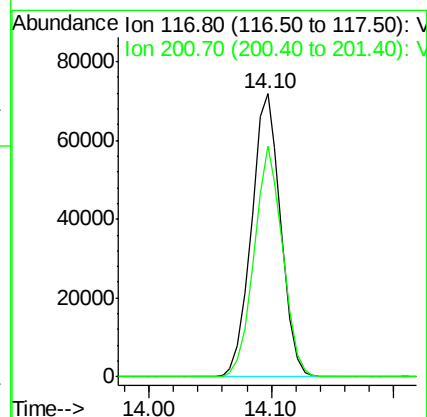
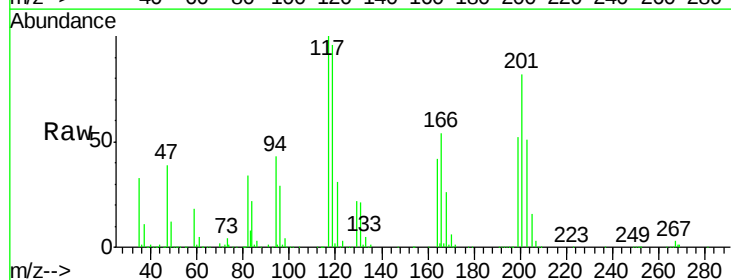
Acq: 05 Mar 2019 10:28

Tgt Ion: 117 Resp: 118994

Ion Ratio Lower Upper

117 100

201 79.8 40.3 120.8

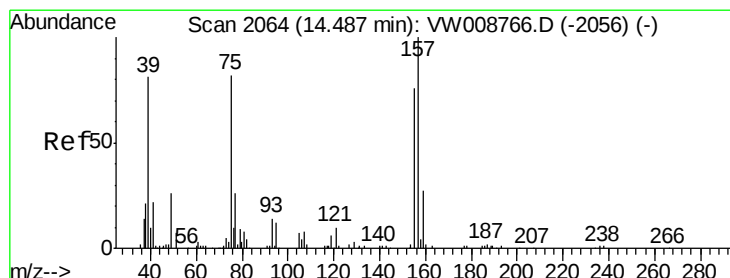
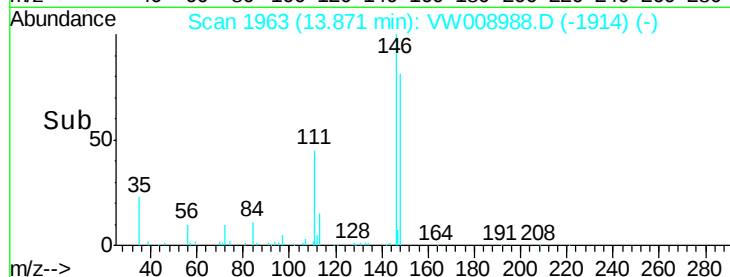
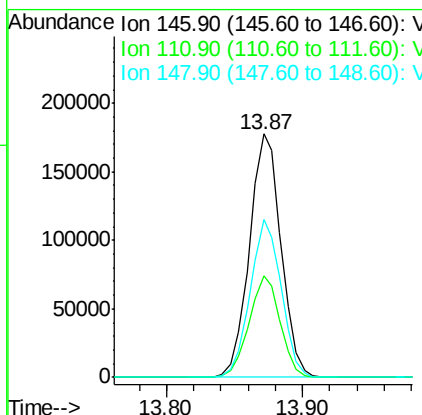
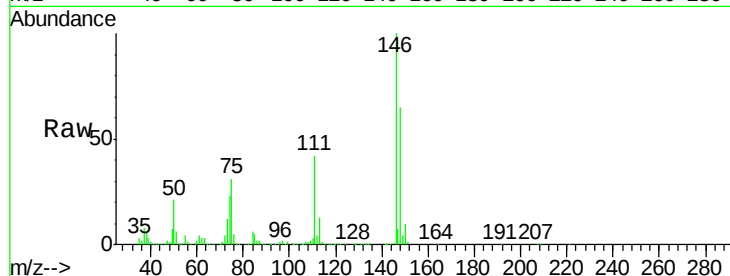




#91
 1,2-Dichlorobenzene
 Concen: 48.983 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

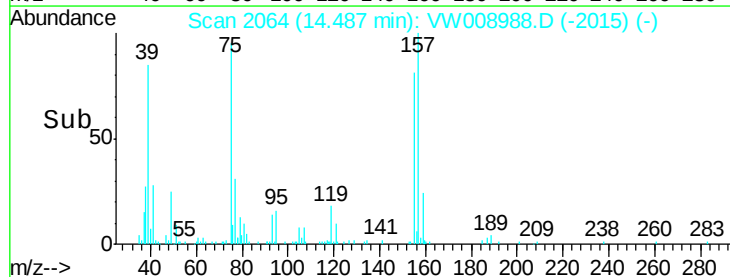
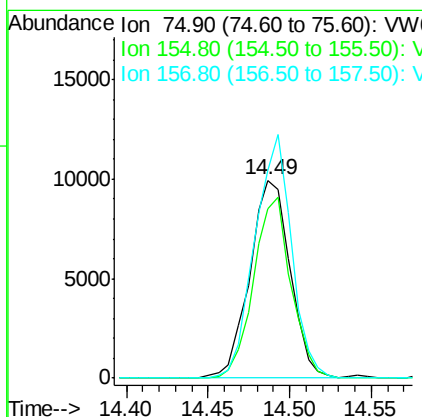
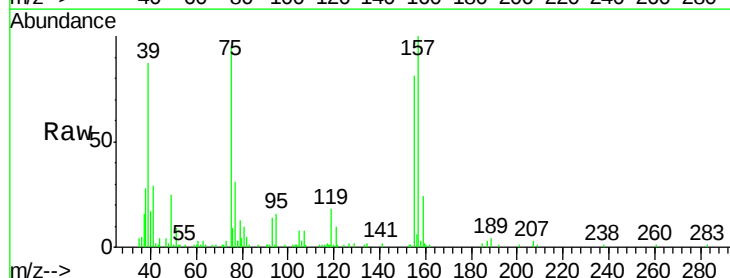
Instrument :
 MSVOA_W
 ClientSampleId :

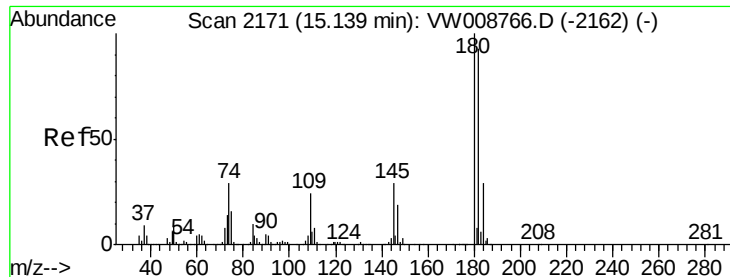
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	60.8
148	64.0	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.891 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	41.8	125.4
157	111.5	56.6	169.9

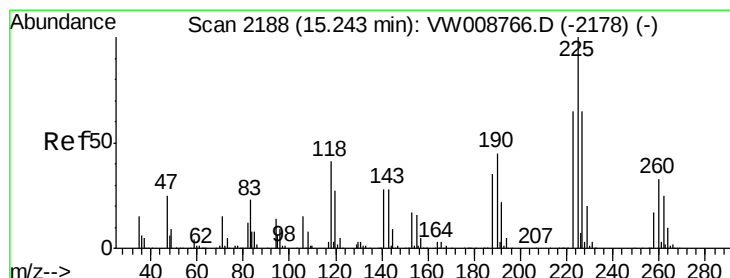
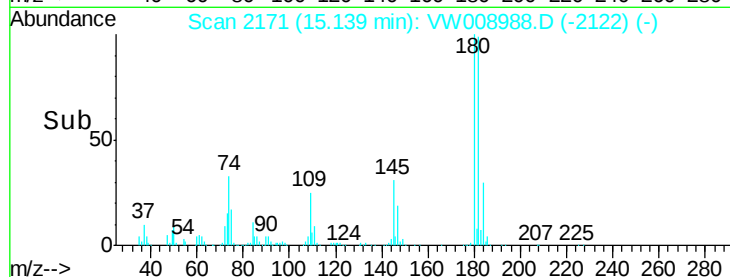
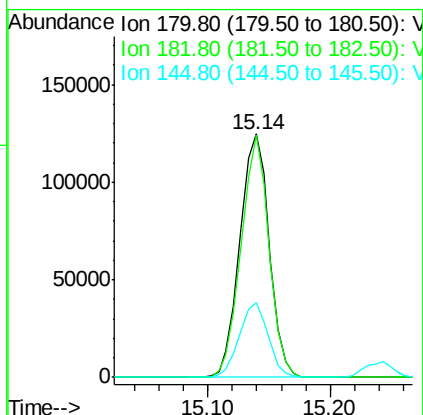
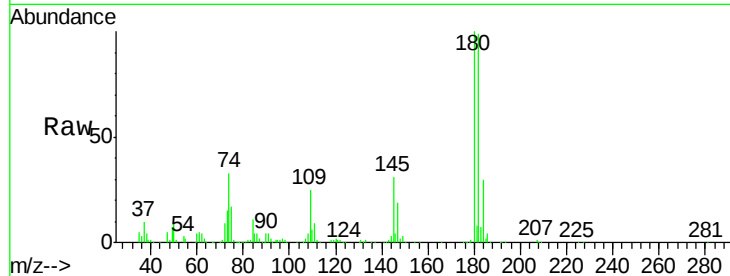




#93
 1,2,4-Trichlorobenzene
 Concen: 48.756 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

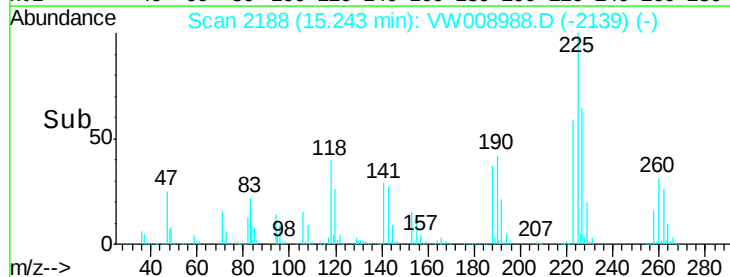
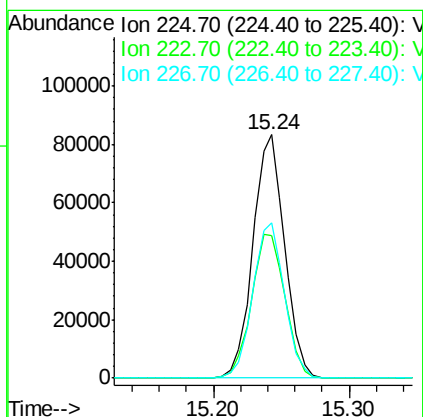
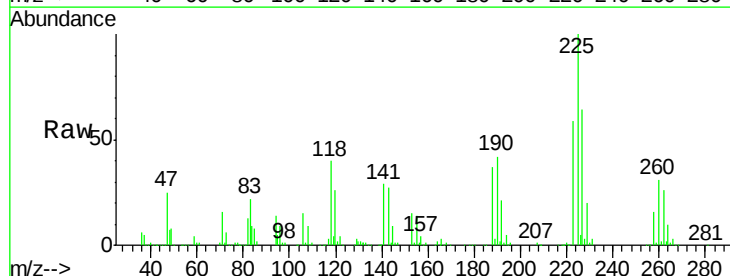
Instrument :
 MSVOA_W
 ClientSampleId :

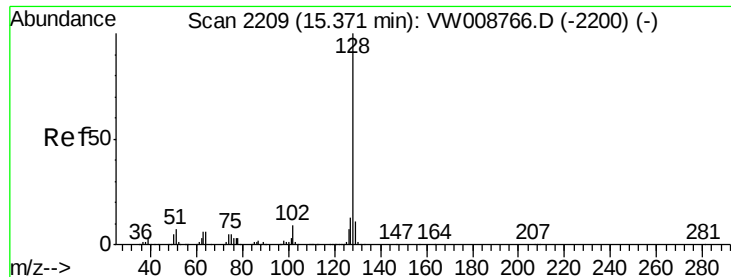
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.2	141.6
145	30.1	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 54.405 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008988.D
 Acq: 05 Mar 2019 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	63.6	31.6	94.8

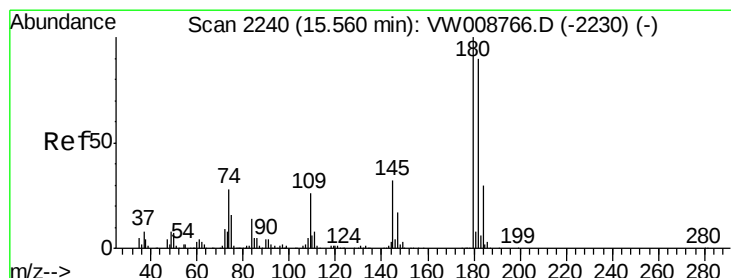
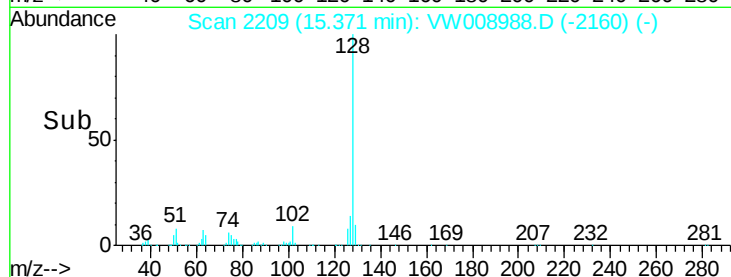
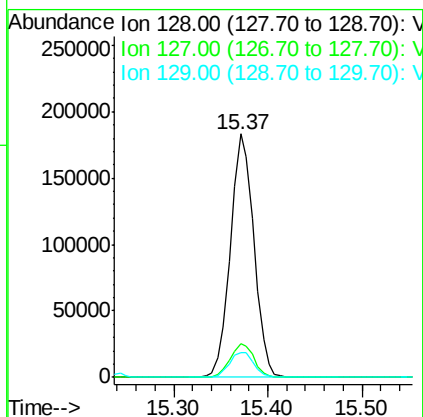
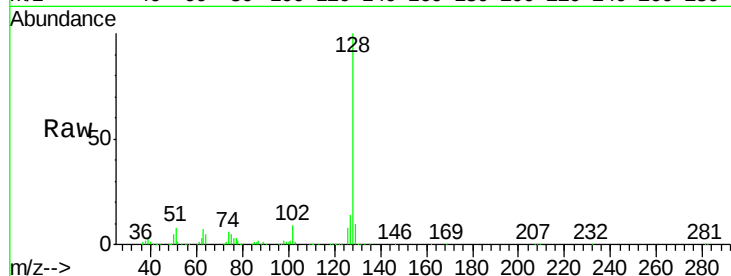




#95
Naphthalene
Concen: 43.780 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 316528
Ion Ratio Lower Upper
128 100
127 14.0 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 47.955 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008988.D
Acq: 05 Mar 2019 10:28

Tgt Ion:180 Resp: 176069
Ion Ratio Lower Upper
180 100
182 94.2 46.9 140.8
145 31.6 15.9 47.6

