

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008872.D
 Acq On : 28 Feb 2019 00:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 28 11:25:53 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	258374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	384810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212597	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	137235	56.63	ug/l	0.00
Spiked Amount			Recovery	=	113.26%	
35) Dibromofluoromethane	7.88	113	126685	54.86	ug/l	0.00
Spiked Amount			Recovery	=	109.72%	
50) Toluene-d8	10.32	98	477288	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.62	95	187681	53.77	ug/l	0.00
Spiked Amount			Recovery	=	107.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	103337	39.932	ug/l	100
3) Chloromethane	2.21	50	138980	44.120	ug/l	100
4) Vinyl Chloride	2.35	62	136610	40.960	ug/l	98
5) Bromomethane	2.75	94	114398	46.179	ug/l	95
6) Chloroethane	2.91	64	104528	44.136	ug/l	97
7) Trichlorofluoromethane	3.25	101	170414	40.400	ug/l	92
8) Diethyl Ether	3.69	74	60923	45.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	104557	40.818	ug/l	99
10) Methyl Iodide	4.27	142	127859	39.916	ug/l	98
11) Tert butyl alcohol	5.17	59	50269	233.007	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	95057	42.019	ug/l	94
13) Acrolein	3.90	56	63523	276.844	ug/l	99
14) Allyl chloride	4.67	41	174668	44.736	ug/l	98
15) Acrylonitrile	5.37	53	146434	255.498	ug/l	99
16) Acetone	4.12	43	134168	238.859	ug/l	100
17) Carbon Disulfide	4.38	76	308774	41.138	ug/l	99
18) Methyl Acetate	4.67	43	69388	52.081	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	302123	49.341	ug/l	98
20) Methylene Chloride	4.92	84	155871	57.052	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	113101	43.221	ug/l	98
22) Diisopropyl ether	6.31	45	377805	48.507	ug/l	96
23) Vinyl Acetate	6.26	43	1160669	241.191	ug/l	98
24) 1,1-Dichloroethane	6.22	63	211592	46.882	ug/l	99
25) 2-Butanone	7.17	43	190363	242.408	ug/l	98
26) 2,2-Dichloropropane	7.16	77	156964	38.307	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	130754	46.711	ug/l	97
28) Bromochloromethane	7.51	49	96276	50.975	ug/l	99
29) Tetrahydrofuran	7.52	42	128386	256.542	ug/l	99
30) Chloroform	7.67	83	218469	47.184	ug/l	94
31) Cyclohexane	7.95	56	178698	39.115	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	186686	44.337	ug/l	99
36) 1,1-Dichloropropene	8.08	75	160834	42.961	ug/l	99
37) Ethyl Acetate	7.25	43	84991	48.820	ug/l	99
38) Carbon Tetrachloride	8.07	117	163228	41.343	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	187794	40.216	ug/l	99
40) Benzene	8.32	78	467347	45.722	ug/l	99
41) Methacrylonitrile	7.48	41	48495	47.390	ug/l	94
42) 1,2-Dichloroethane	8.40	62	153170	47.305	ug/l	99
43) Isopropyl Acetate	8.43	43	167197	48.121	ug/l	99
44) Trichloroethene	9.09	130	126778	44.028	ug/l	98
45) 1,2-Dichloropropane	9.37	63	119006	47.115	ug/l	96
46) Dibromomethane	9.46	93	67004	47.690	ug/l	98
47) Bromodichloromethane	9.64	83	163309	47.774	ug/l	99
48) Methyl methacrylate	9.43	41	77715	46.701	ug/l	95
49) 1,4-Dioxane	9.44	88	24605	1093.572	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	439925	249.389	ug/l	100
52) Toluene	10.39	92	319614	46.073	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	161229	46.274	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	187341	47.144	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	93058	48.839	ug/l	96
56) Ethyl methacrylate	10.65	69	122550	49.505	ug/l	97
57) 1,3-Dichloropropane	10.93	76	162628	48.341	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	322896	259.345	ug/l	99
59) 2-Hexanone	10.97	43	311241	247.863	ug/l	100
60) Dibromochloromethane	11.13	129	114307	49.184	ug/l	100
61) 1,2-Dibromoethane	11.24	107	90420	47.942	ug/l	99
64) Tetrachloroethene	10.86	164	134059	48.669	ug/l	99
65) Chlorobenzene	11.66	112	362724	44.828	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	123516	45.146	ug/l	98
67) Ethyl Benzene	11.73	91	635736	43.951	ug/l	100
68) m/p-Xylenes	11.84	106	510279	88.293	ug/l	99
69) o-Xylene	12.16	106	247330	45.594	ug/l	99
70) Styrene	12.18	104	406737	46.605	ug/l	99
71) Bromoform	12.35	173	66228	45.034	ug/l	99
73) Isopropylbenzene	12.46	105	645563	44.294	ug/l	99
74) N-amyl acetate	12.27	43	174577	47.553	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	110306	46.320	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	150367	85.666	ug/l #	100
77) Bromobenzene	12.75	156	158835	46.118	ug/l	99
78) n-propylbenzene	12.80	91	790709	44.352	ug/l	100
79) 2-Chlorotoluene	12.90	91	455933	45.044	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	570624	45.054	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	29732	41.179	ug/l	96
82) 4-Chlorotoluene	12.99	91	477363	44.754	ug/l	99
83) tert-Butylbenzene	13.21	119	495870	45.279	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	597042	45.538	ug/l	100
85) sec-Butylbenzene	13.38	105	697820	44.315	ug/l	99
86) p-Isopropyltoluene	13.50	119	630281	43.661	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	321180	44.948	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	319980	45.435	ug/l	99
89) n-Butylbenzene	13.83	91	587827	43.465	ug/l	99
90) Hexachloroethane	14.10	117	106090	44.892	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	295129	46.353	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20429	47.423	ug/l	95

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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

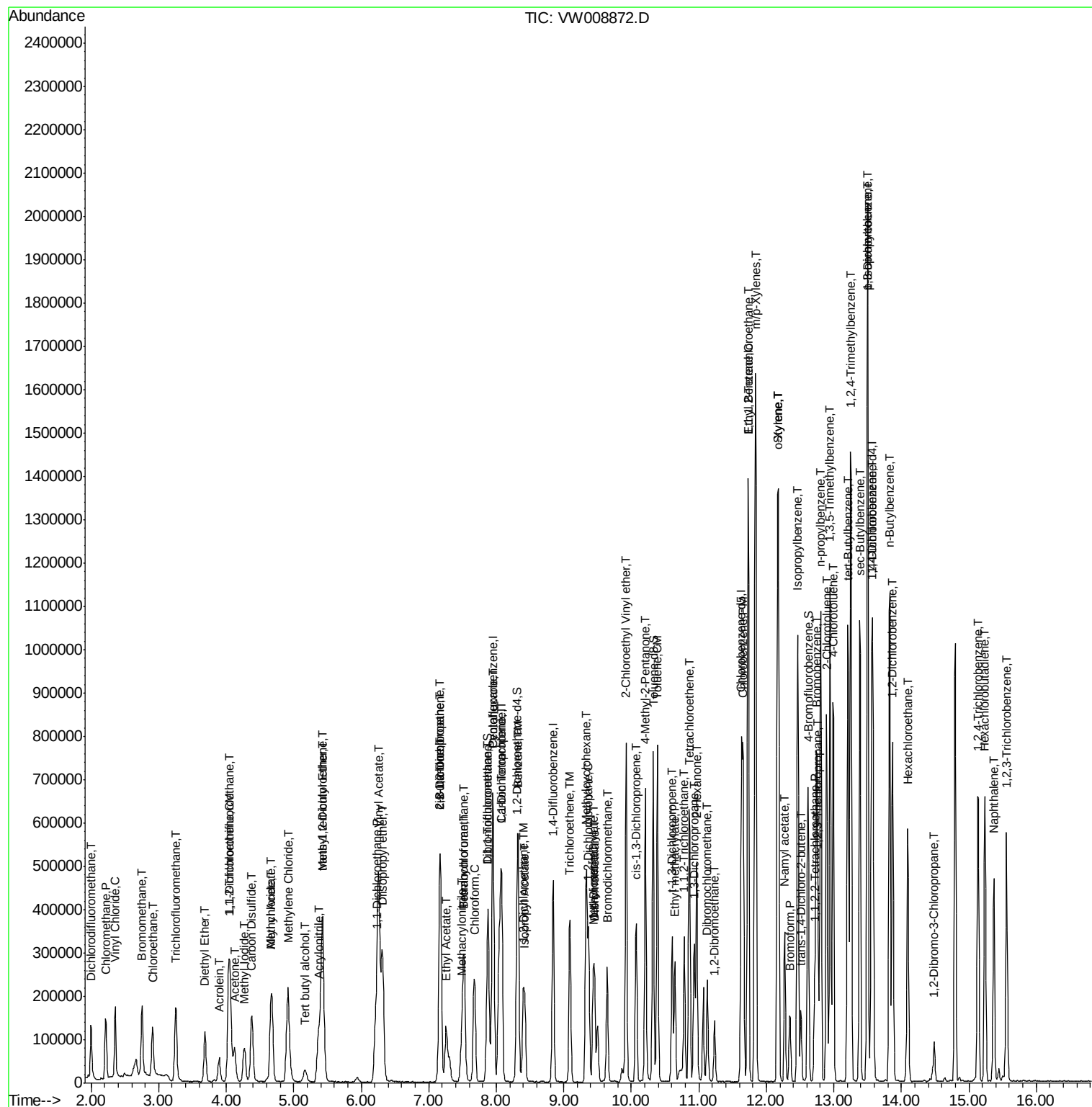
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	215355	46.944	ug/l	99
94) Hexachlorobutadiene	15.24	225	122618	45.377	ug/l	99
95) Naphthalene	15.37	128	390926	50.050	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	192993	48.656	ug/l	99

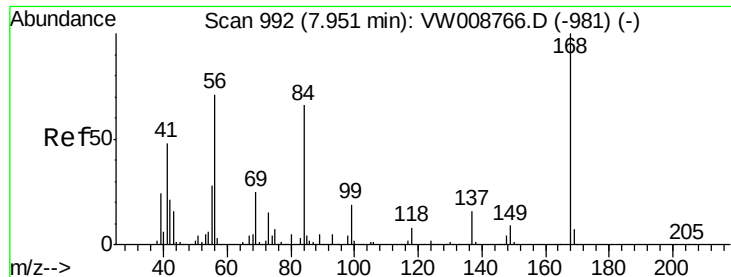
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

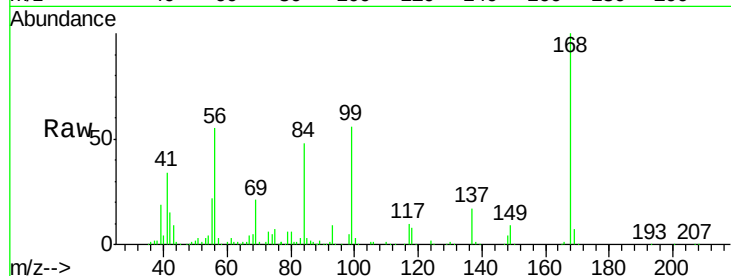
VSTDCCC050

Tot Ion:168 Resp: 258374

Ion Ratio Lower Upper

168 100

99 55.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

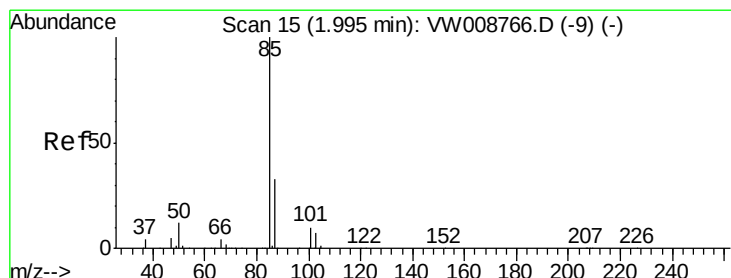
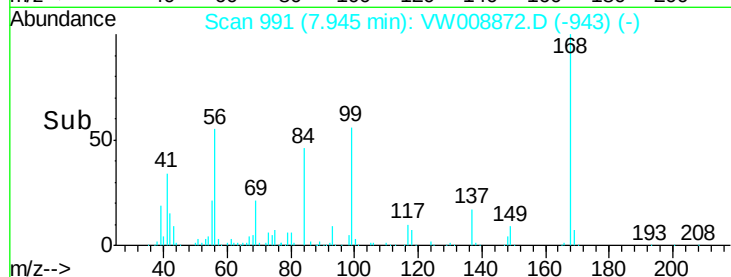
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.932 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008872.D

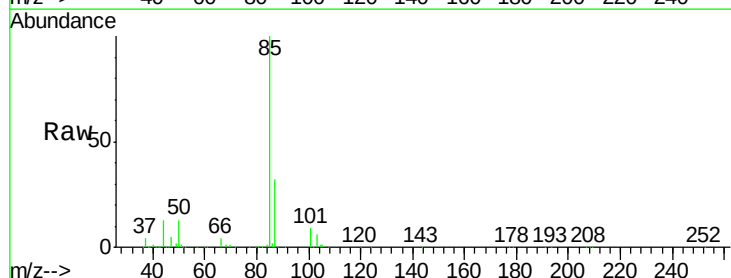
Acq: 28 Feb 2019 00:19

Tgt Ion: 85 Resp: 103337

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

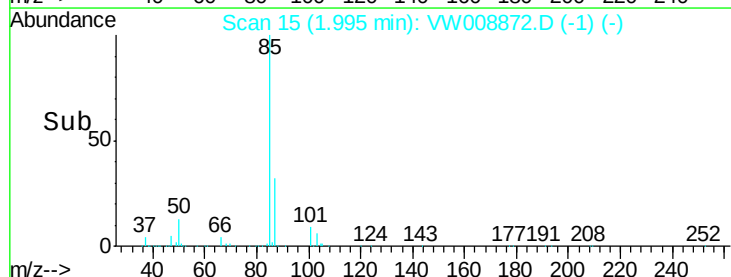
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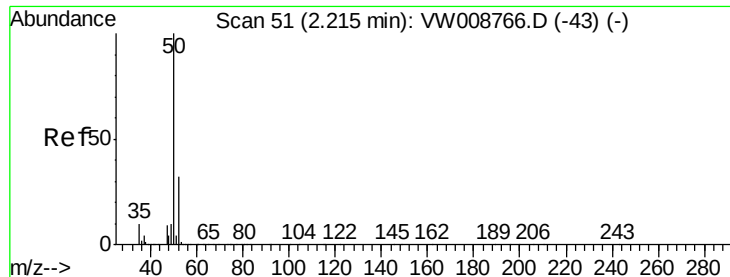
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.120 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

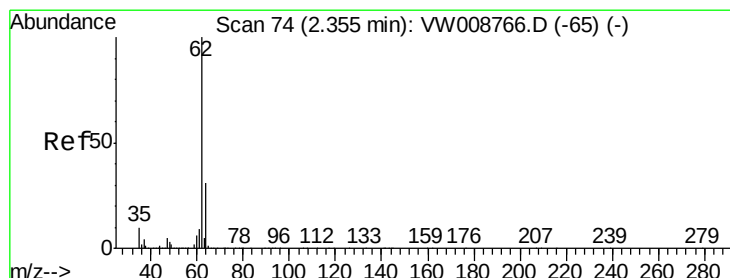
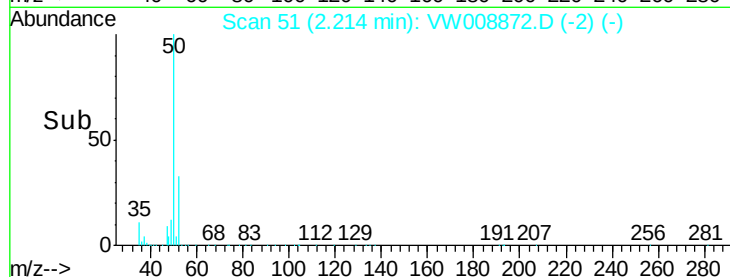
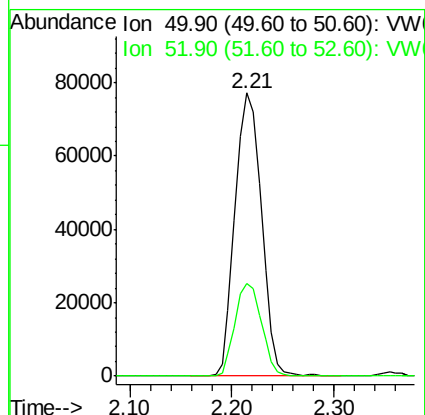
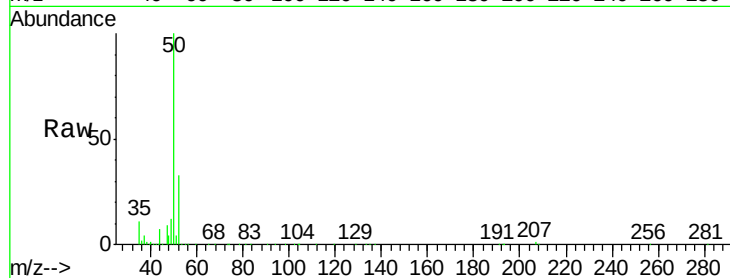
VSTDCCC050

Tot Ion: 50 Resp: 138980

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 40.960 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008872.D

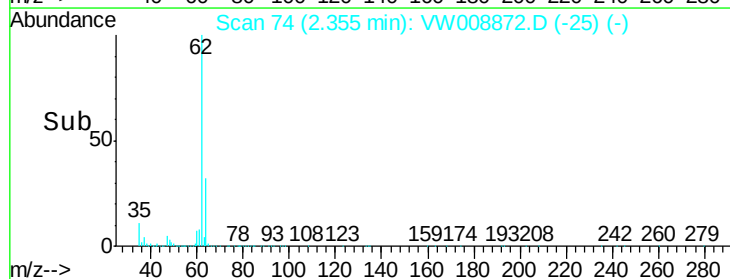
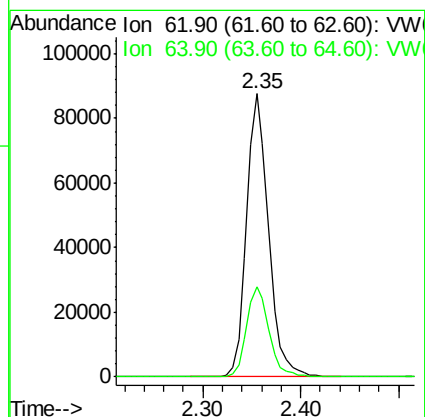
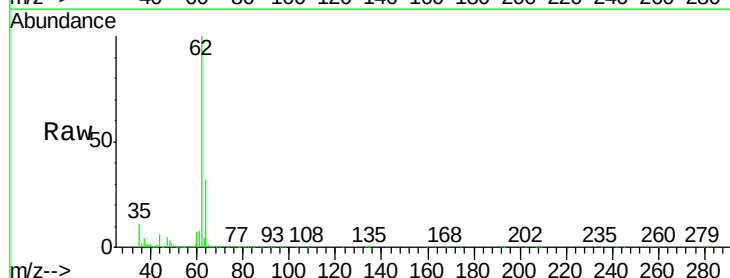
Acq: 28 Feb 2019 00:19

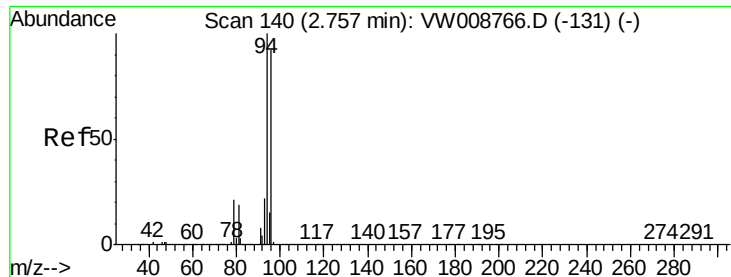
Tgt Ion: 62 Resp: 136610

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 46.179 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

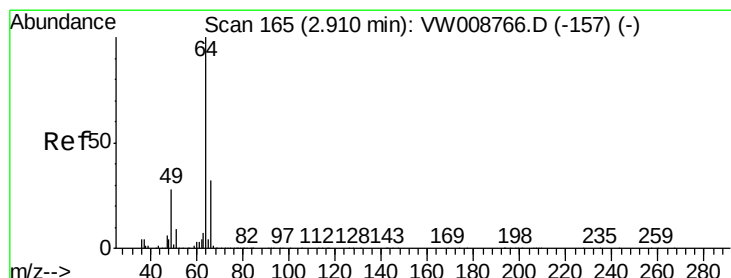
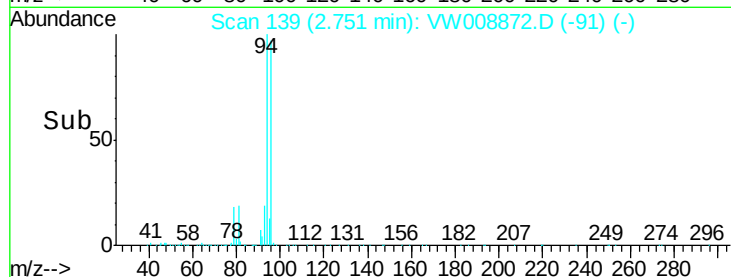
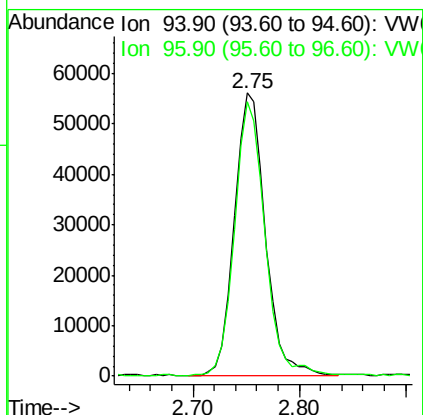
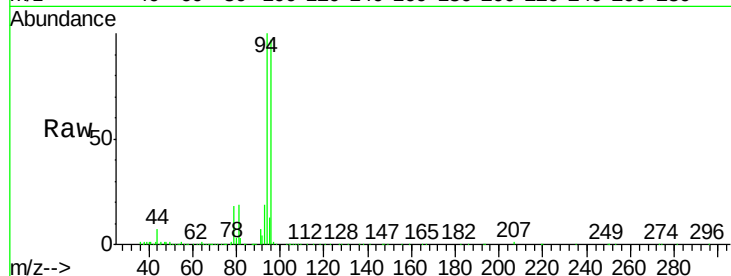
VSTDCCC050

Tot Ion: 94 Resp: 114398

Ion Ratio Lower Upper

94 100

96 96.7 73.4 110.2



#6

Chloroethane

Concen: 44.136 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008872.D

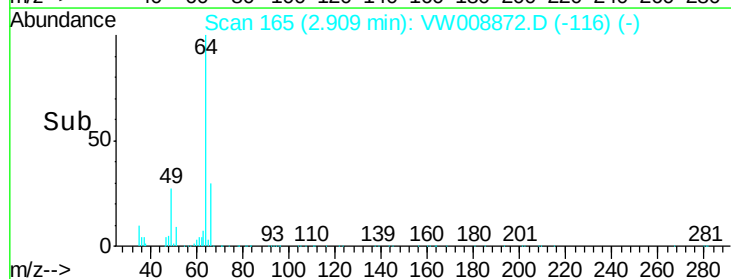
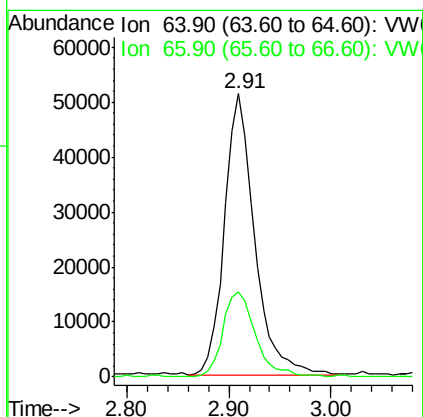
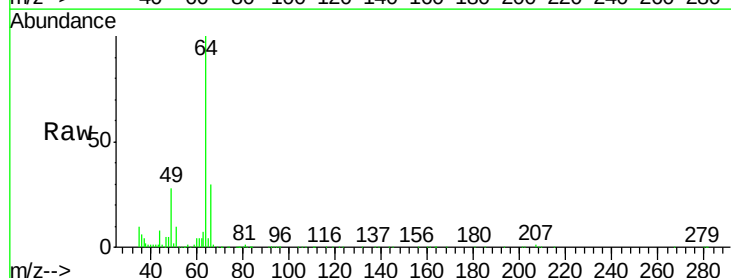
Acq: 28 Feb 2019 00:19

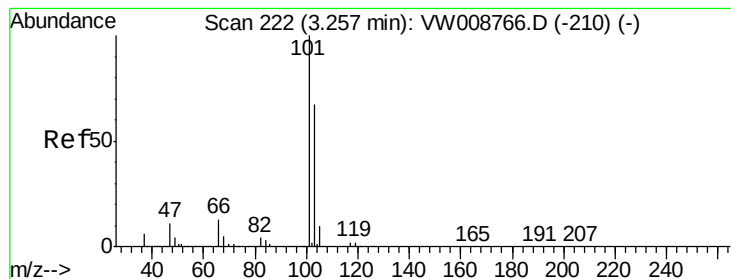
Tgt Ion: 64 Resp: 104528

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3



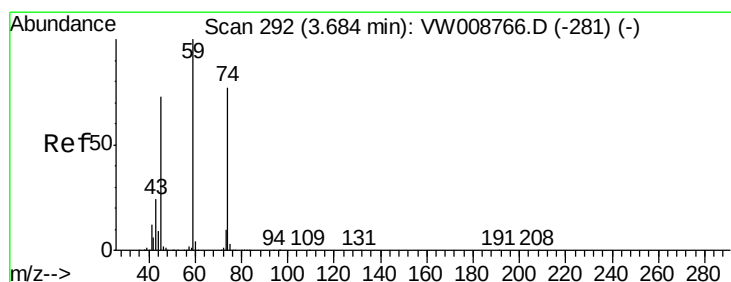
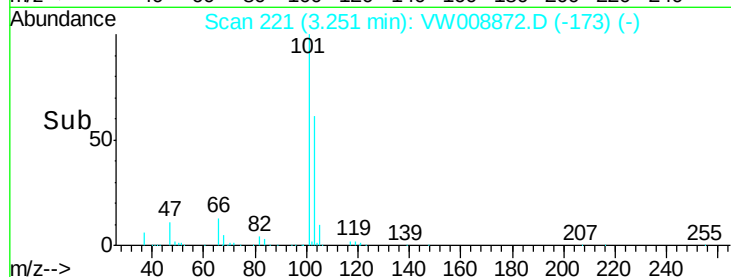
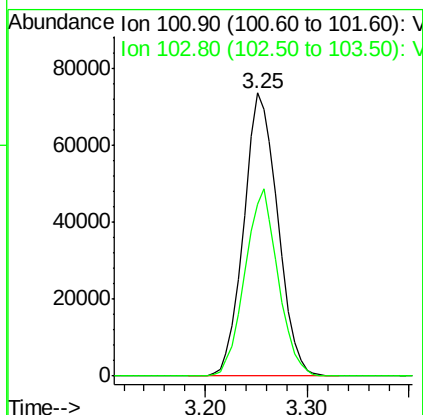
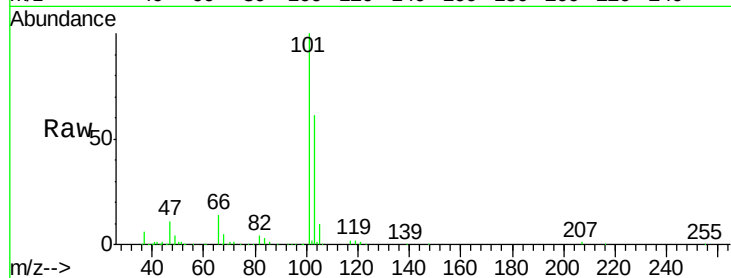


#7

Trichlorofluoromethane
Concen: 40.400 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Instrument :
MSVOA_W
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VSTDCCC050

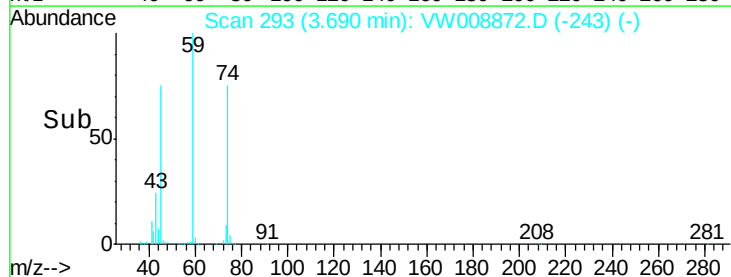
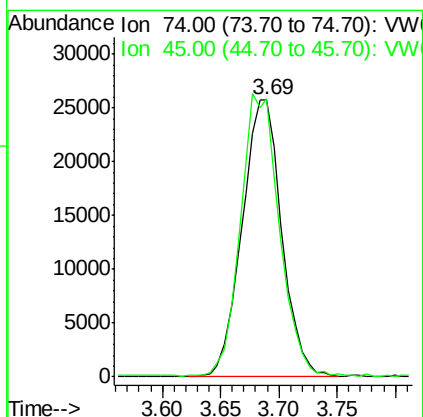
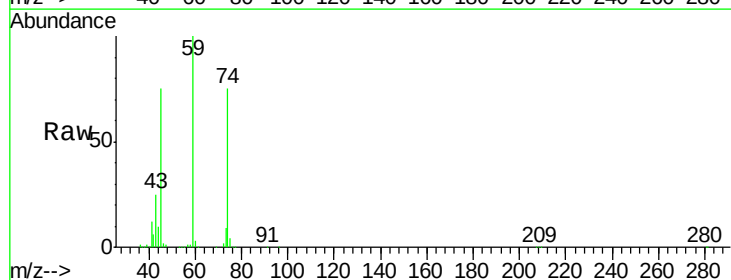
Tot Ion:101 Resp: 170414
Ion Ratio Lower Upper
101 100
103 60.9 53.9 80.9

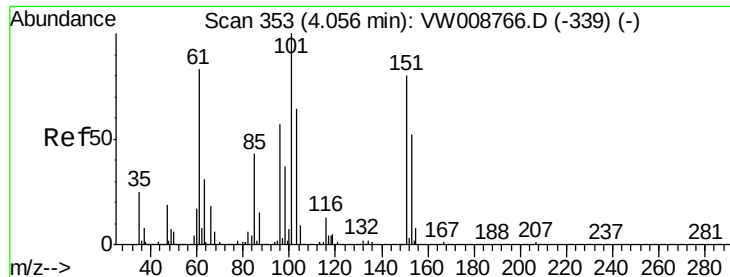


#8

Diethyl Ether
Concen: 45.620 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 74 Resp: 60923
Ion Ratio Lower Upper
74 100
45 101.6 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 40.818 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

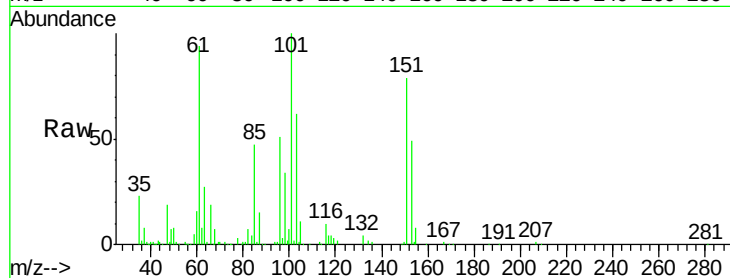
Tot Ion:101 Resp: 104557

Ion Ratio Lower Upper

101 100

85 46.2 36.0 54.0

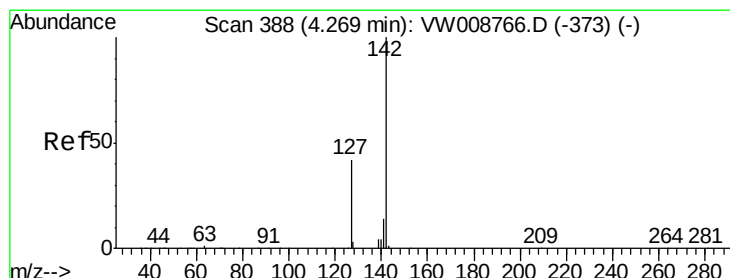
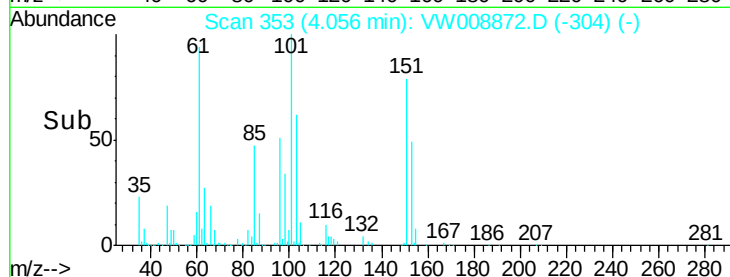
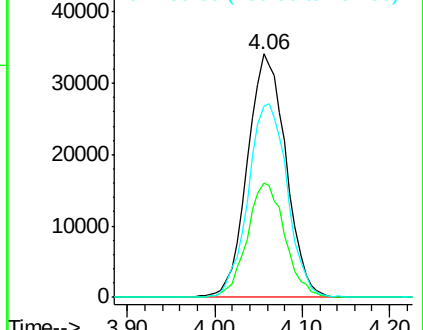
151 81.0 65.5 98.3



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: 39.916 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

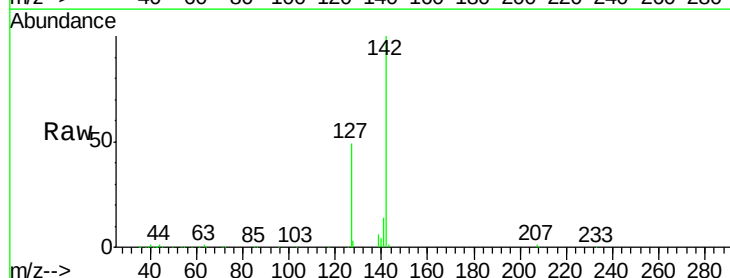
Tgt Ion:142 Resp: 127859

Ion Ratio Lower Upper

142 100

127 45.4 35.3 52.9

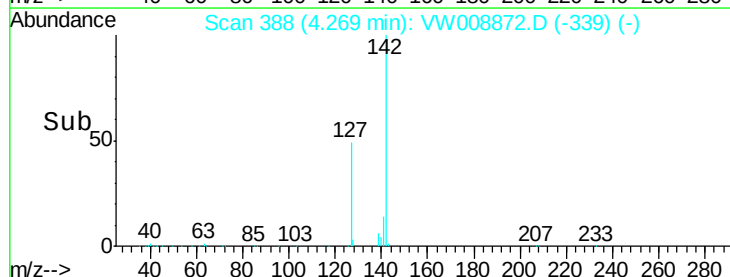
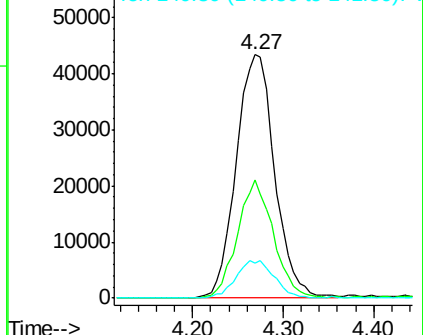
141 15.4 11.7 17.5

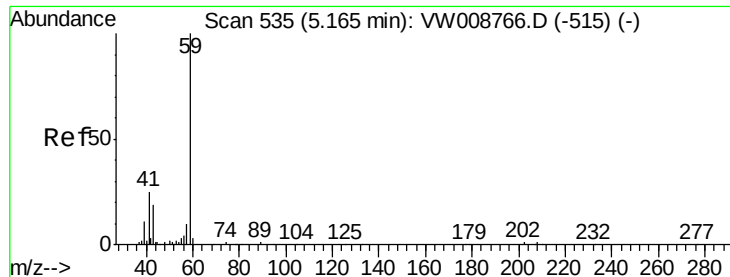


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



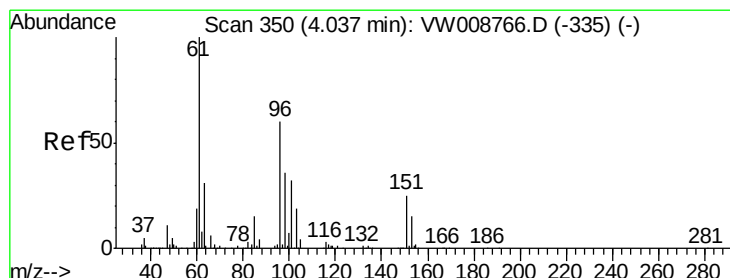
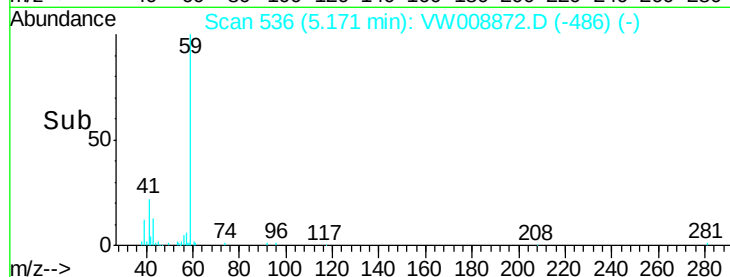
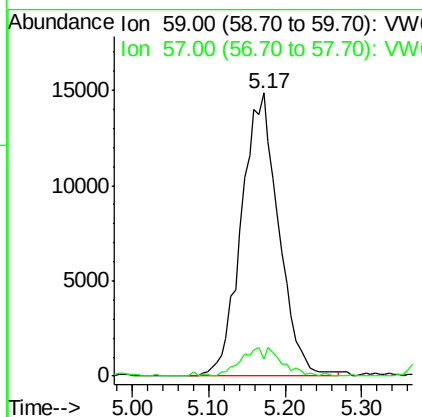
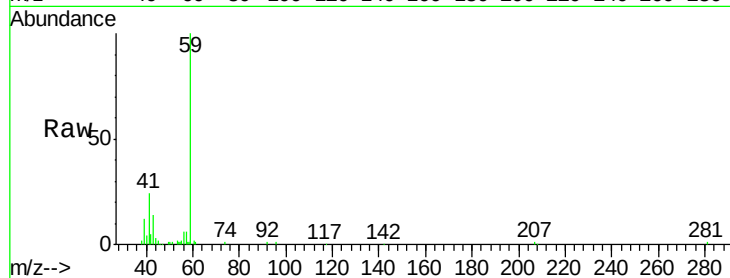


#11

Tert butyl alcohol
 Concen: 233.007 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

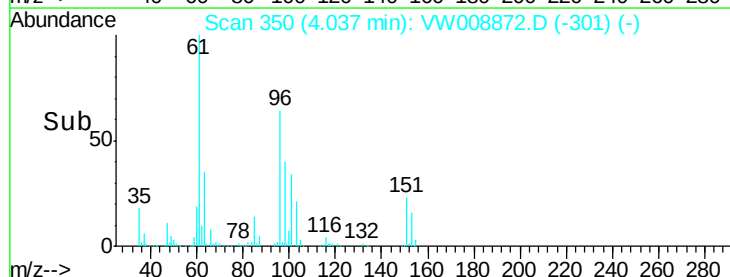
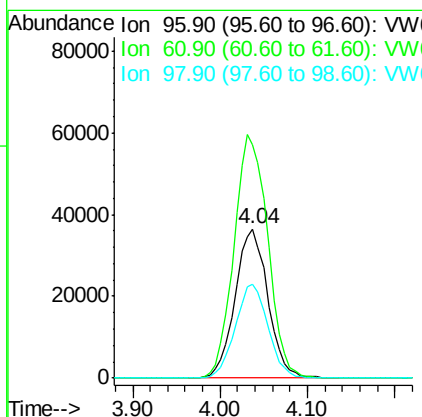
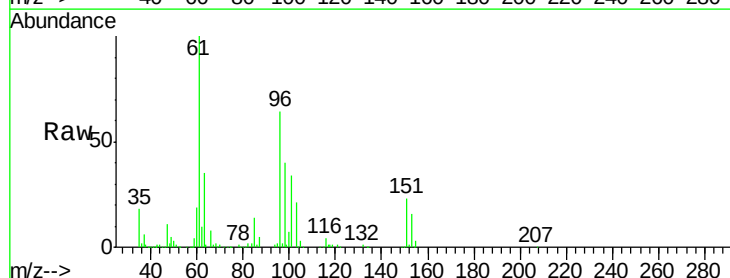
Tot Ion: 59 Resp: 50269
 Ion Ratio Lower Upper
 59 100
 57 6.1 9.3 13.9#

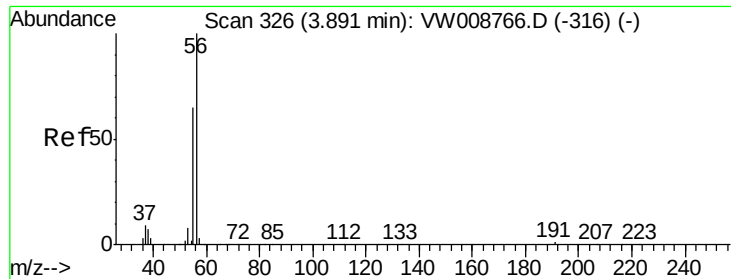


#12

1,1-Dichloroethene
 Concen: 42.019 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion: 96 Resp: 95057
 Ion Ratio Lower Upper
 96 100
 61 156.2 132.5 198.7
 98 63.1 48.2 72.4





#13

Acrolein

Concen: 276.844 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

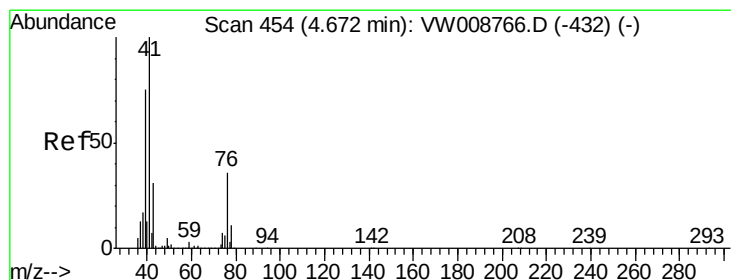
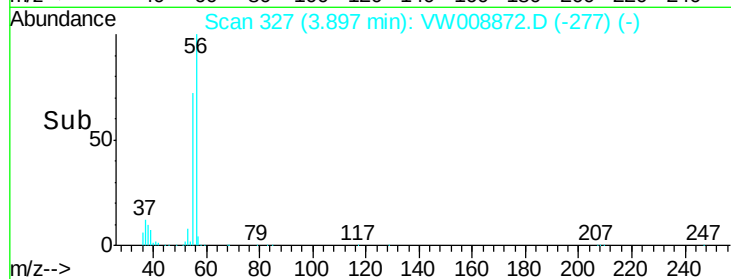
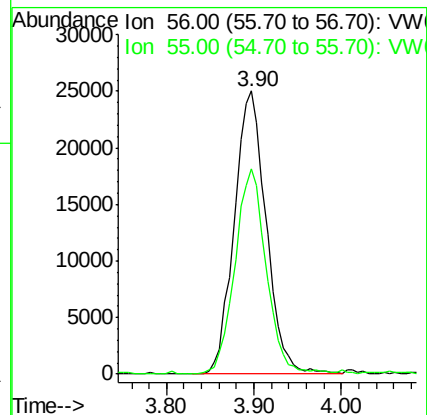
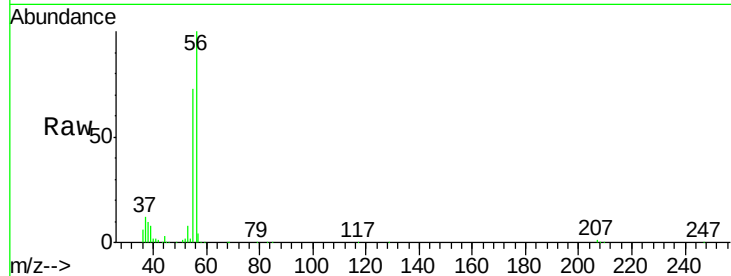
VSTDCCC050

Tot Ion: 56 Resp: 63523

Ion Ratio Lower Upper

56 100

55 71.6 56.9 85.3



#14

Allyl chloride

Concen: 44.736 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

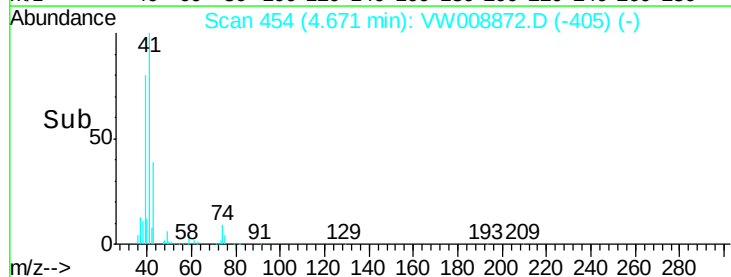
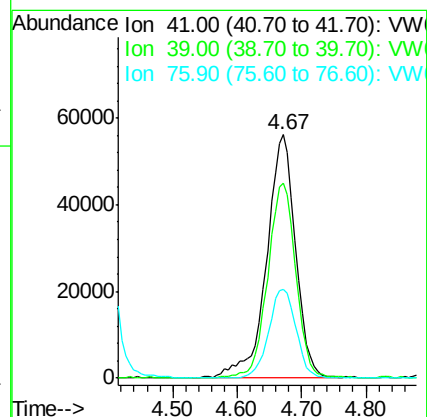
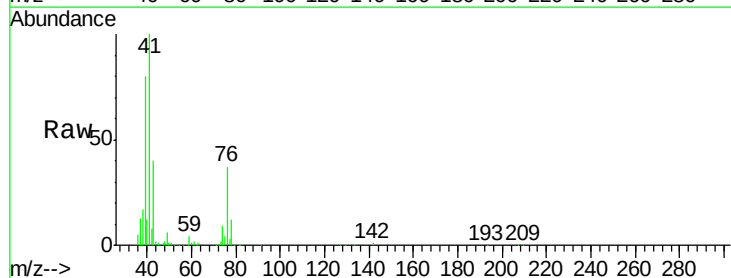
Tgt Ion: 41 Resp: 174668

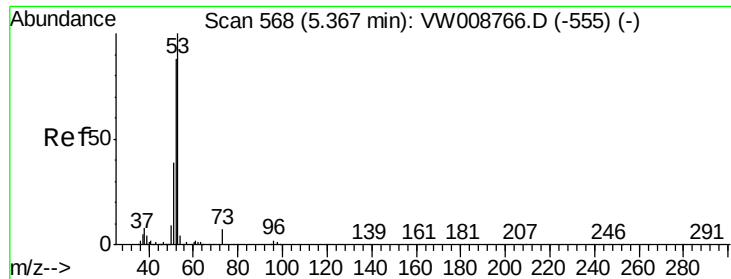
Ion Ratio Lower Upper

41 100

39 77.2 60.6 91.0

76 34.9 28.6 42.8





#15

Acrylonitrile

Concen: 255.498 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

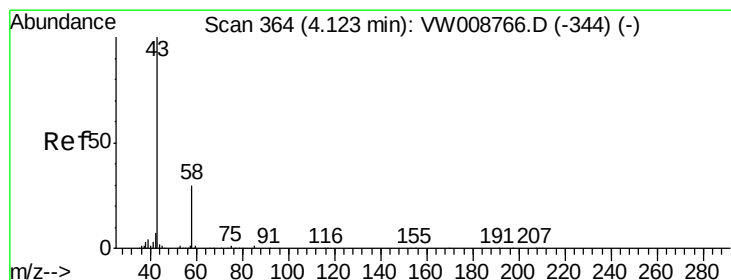
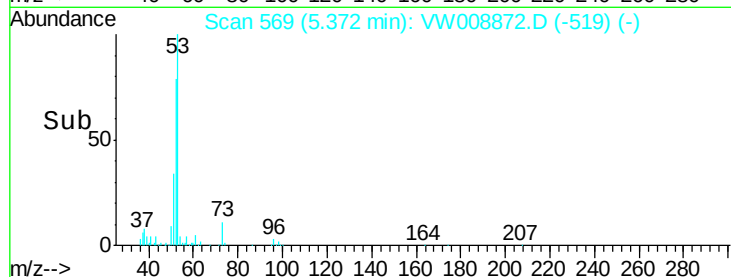
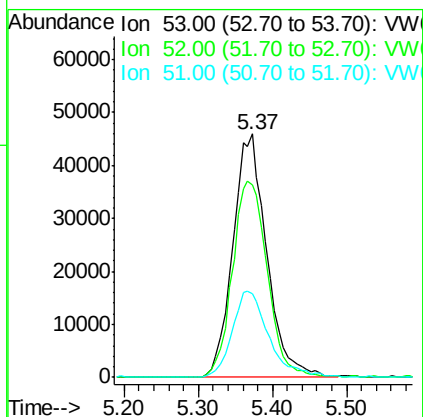
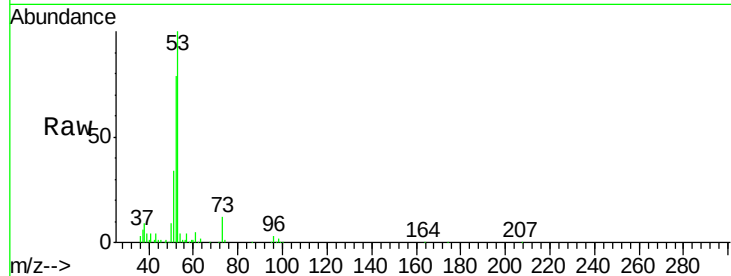
MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 146434

Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.2	100.8
51	38.4	31.1	46.7



#16

Acetone

Concen: 238.859 ug/l

RT: 4.12 min Scan# 364

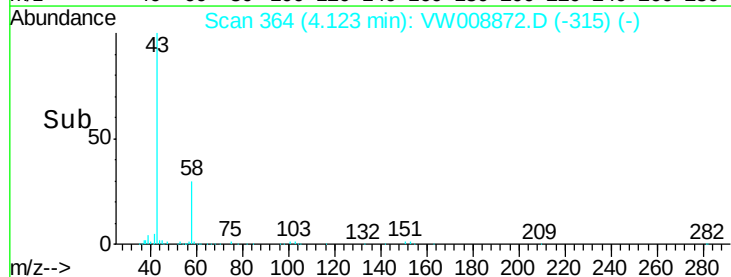
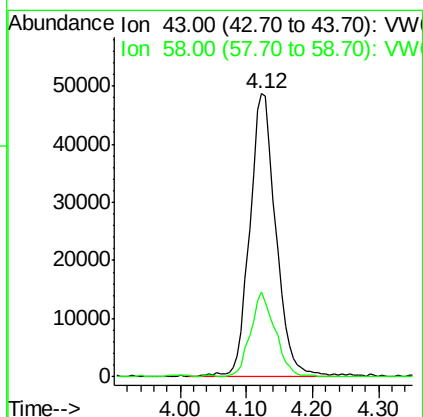
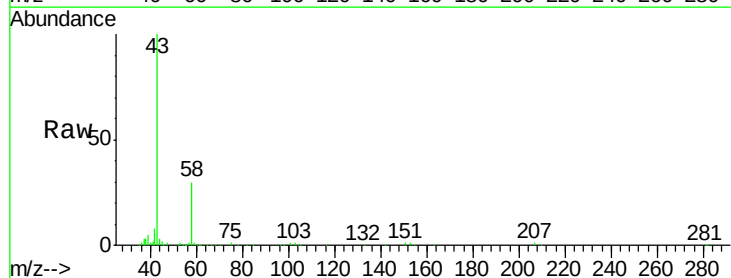
Delta R.T. -0.00 min

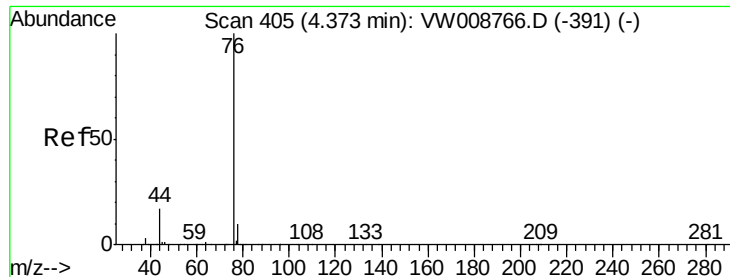
Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Tgt Ion: 43 Resp: 134168

Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.6





#17

Carbon Disulfide

Concen: 41.138 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

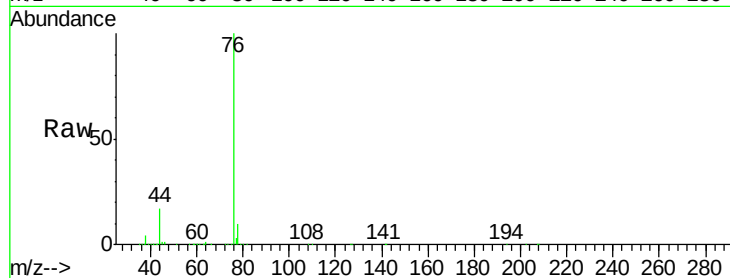
VSTDCCC050

Tot Ion: 76 Resp: 308774

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

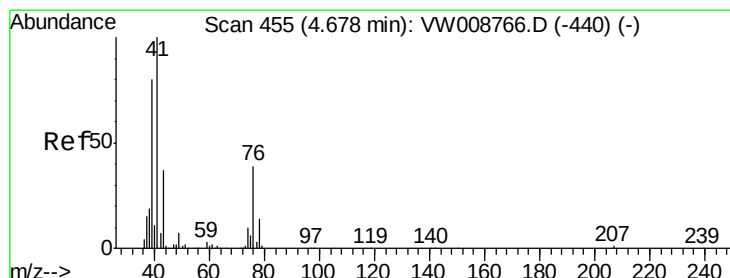
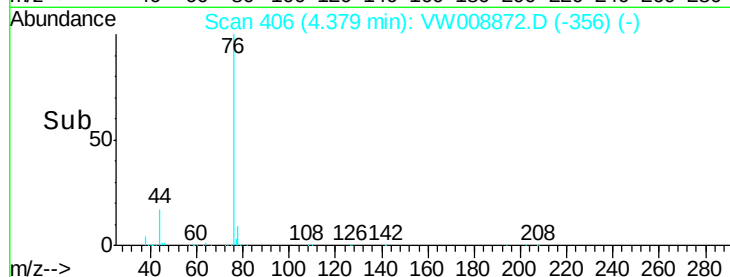
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 52.081 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008872.D

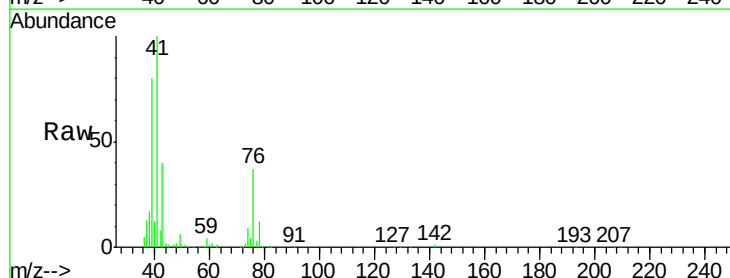
Acq: 28 Feb 2019 00:19

Tgt Ion: 43 Resp: 69388

Ion Ratio Lower Upper

43 100

74 22.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

25000

20000

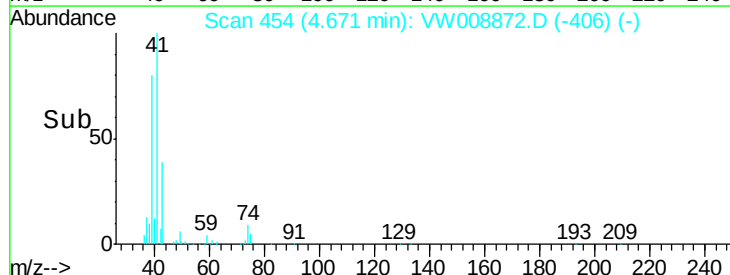
15000

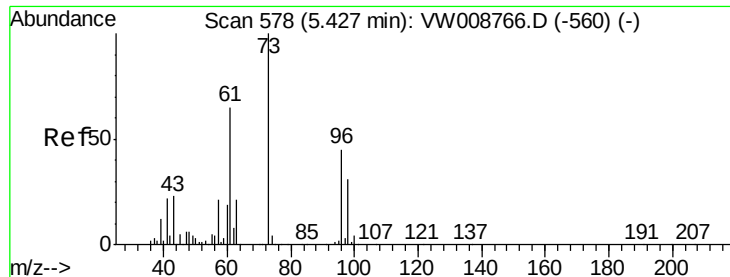
10000

5000

0

Time--> 4.50 4.60 4.70 4.80

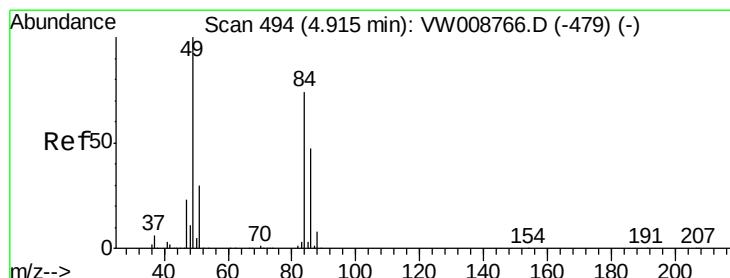
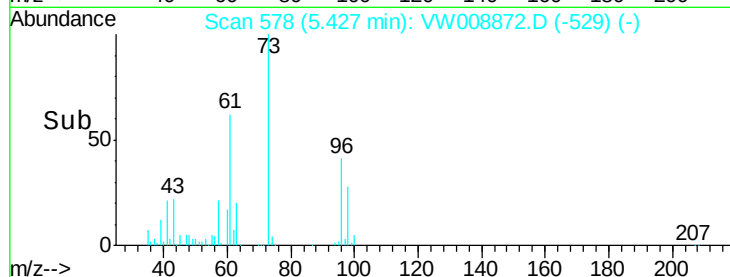
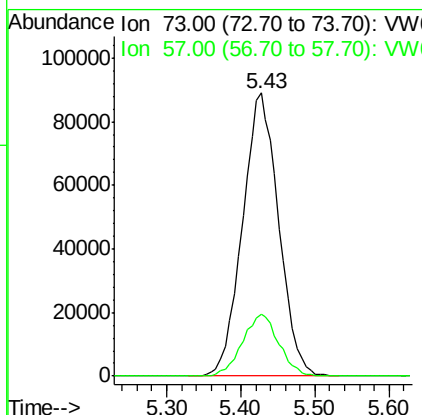
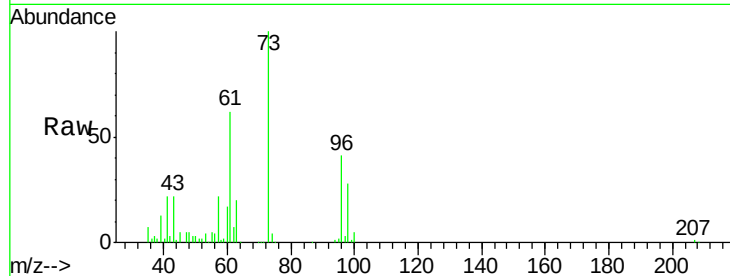




#19
Methyl tert-butyl Ether
Concen: 49.341 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

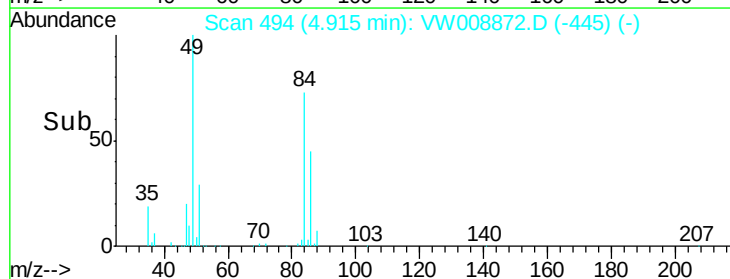
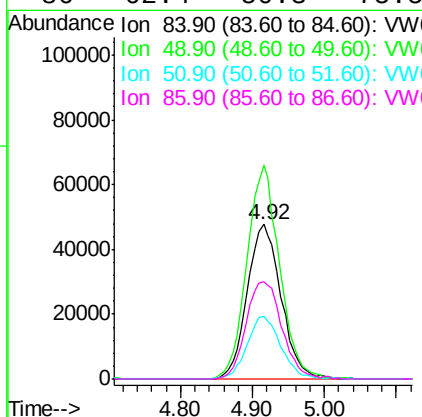
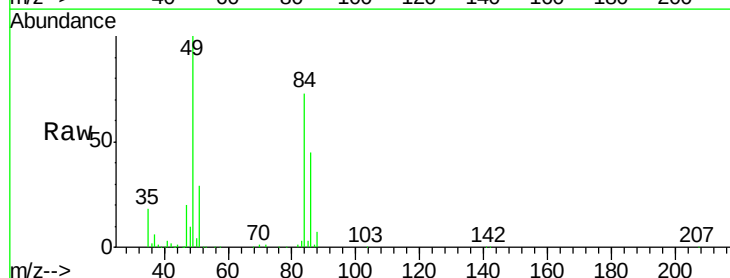
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

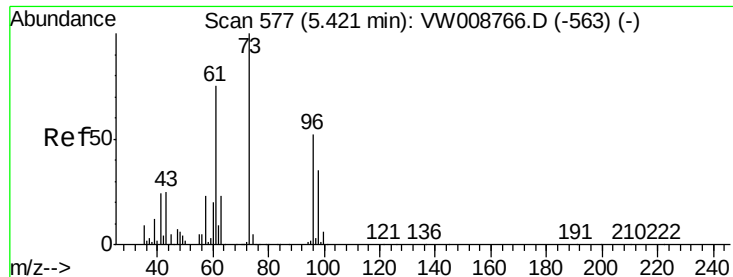
Tot Ion: 73 Resp: 302123
Ion Ratio Lower Upper
73 100
57 21.7 16.8 25.2



#20
Methylene Chloride
Concen: 57.052 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 84 Resp: 155871
Ion Ratio Lower Upper
84 100
49 137.8 108.2 162.2
51 40.4 32.7 49.1
86 62.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 43.221 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

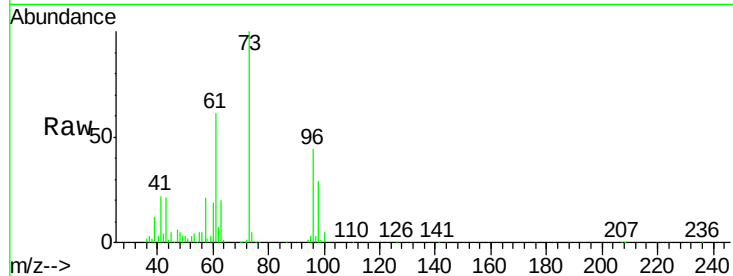
Tot Ion: 96 Resp: 113101

Ion Ratio Lower Upper

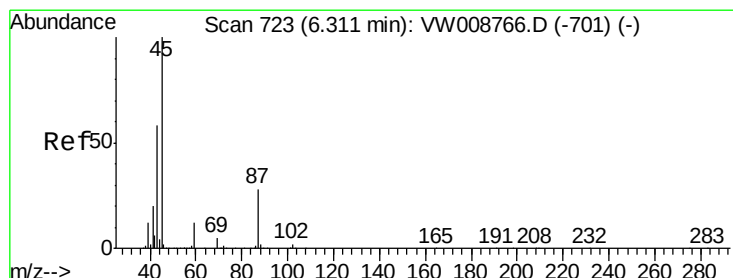
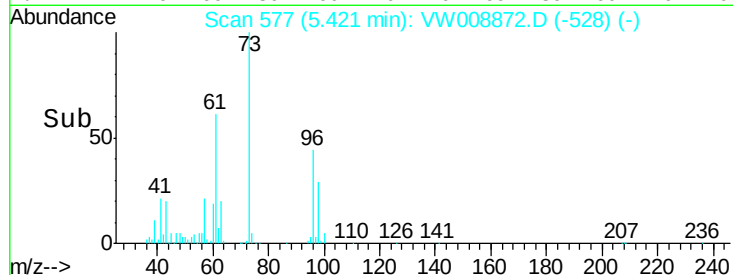
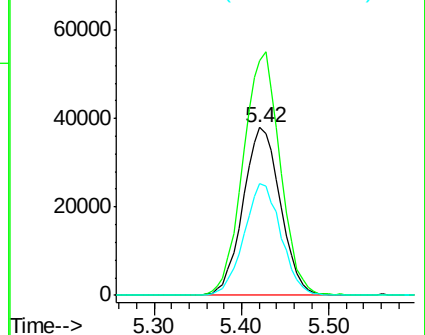
96 100

61 139.7 114.6 171.8

98 66.2 54.0 81.0



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.507 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Tgt Ion: 45 Resp: 377805

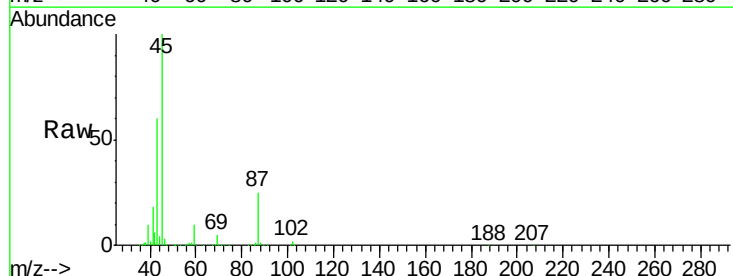
Ion Ratio Lower Upper

45 100

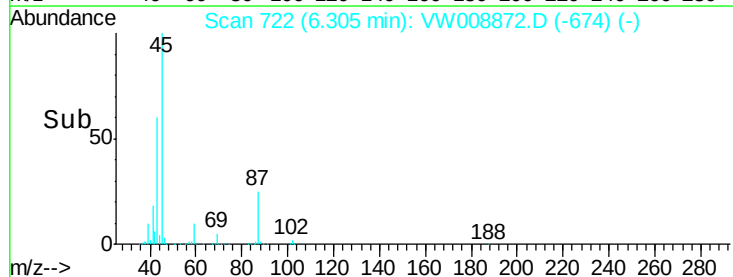
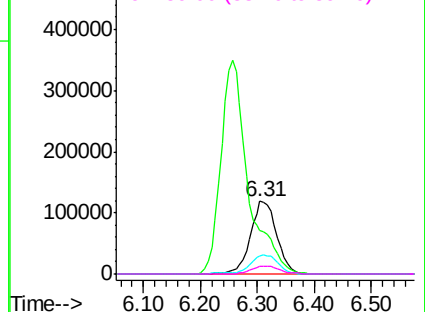
43 60.2 46.1 69.1

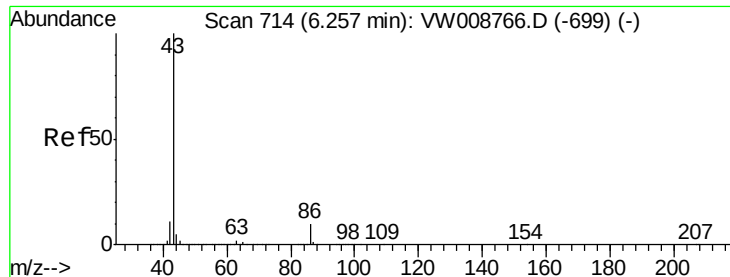
87 25.4 22.2 33.4

59 10.4 10.0 15.0



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 241.191 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

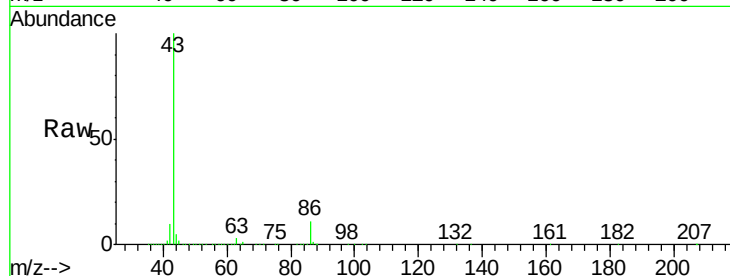
VSTDCCC050

Tot Ion: 43 Resp: 1160669

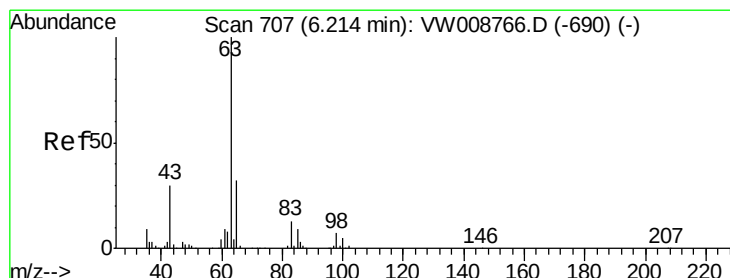
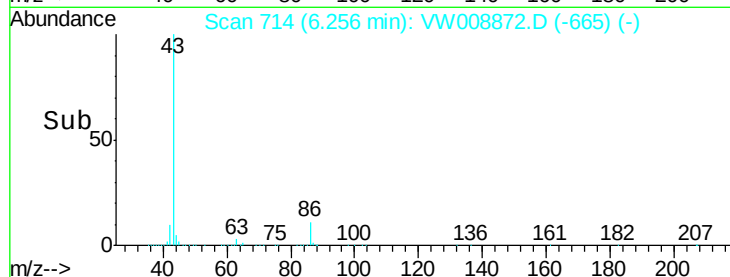
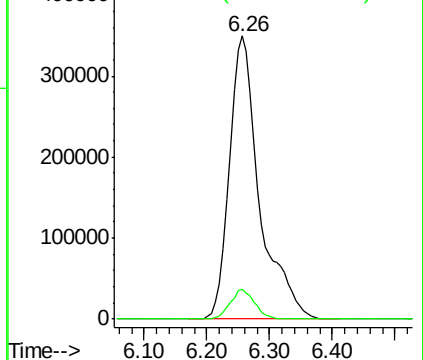
Ion Ratio Lower Upper

43 100

86 10.7 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: 46.882 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

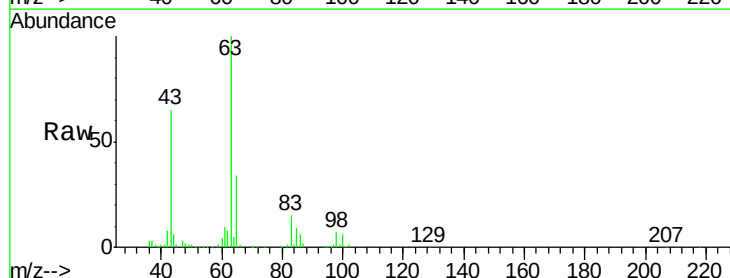
Tgt Ion: 63 Resp: 211592

Ion Ratio Lower Upper

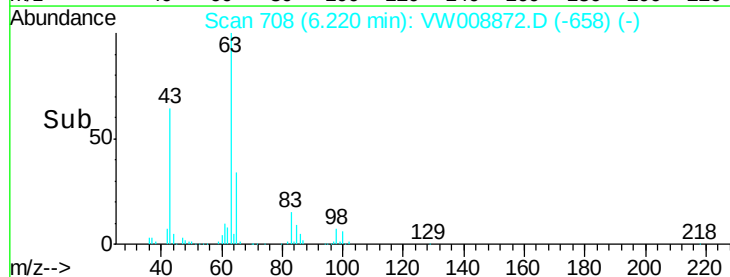
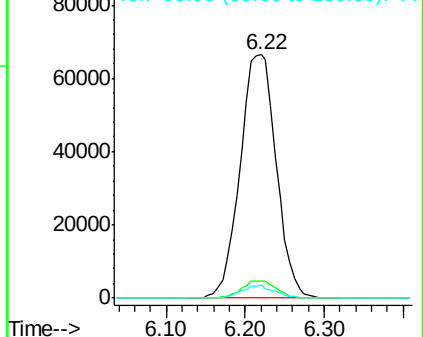
63 100

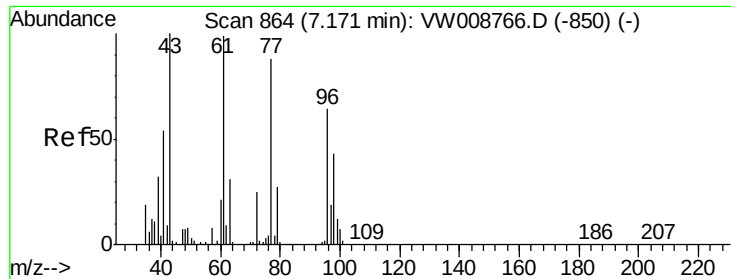
98 7.0 3.5 10.6

100 5.6 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: 242.408 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

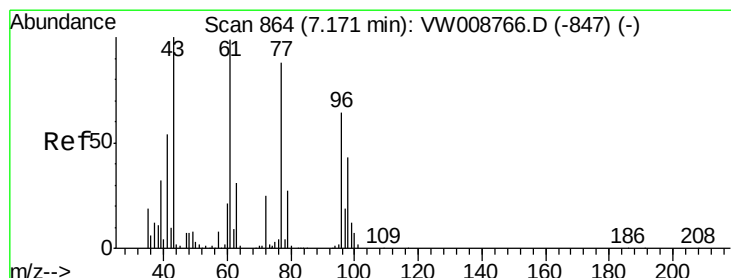
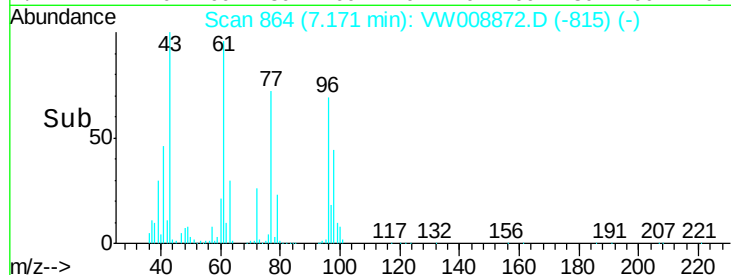
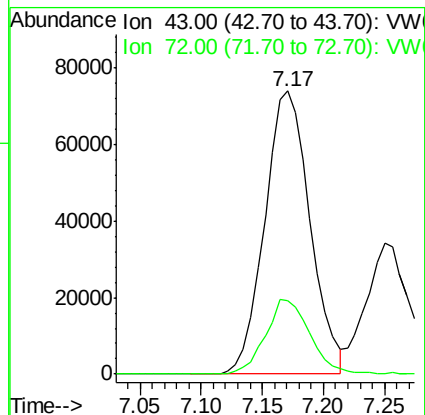
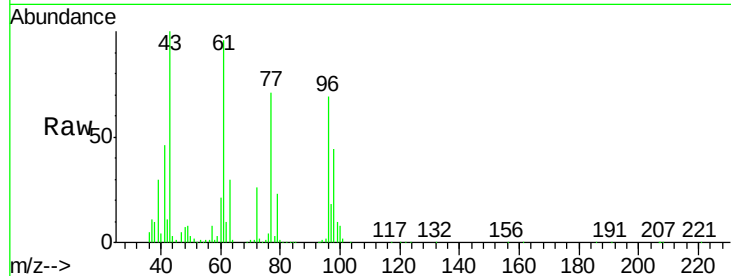
VSTDCCC050

Tot Ion: 43 Resp: 190363

Ion Ratio Lower Upper

43 100

72 25.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 38.307 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008872.D

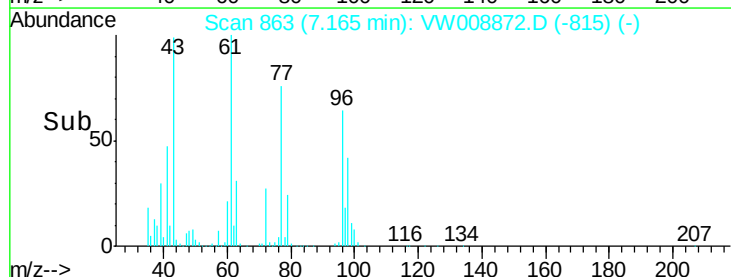
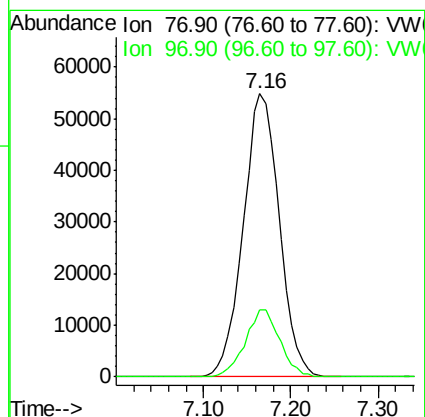
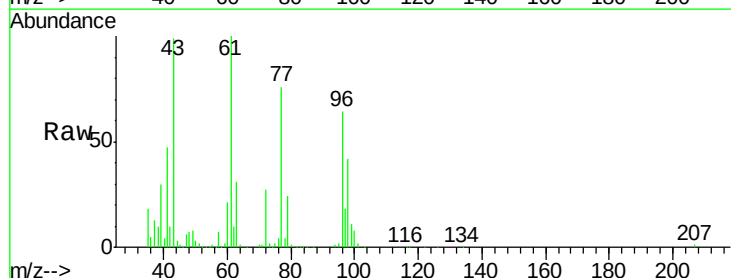
Acq: 28 Feb 2019 00:19

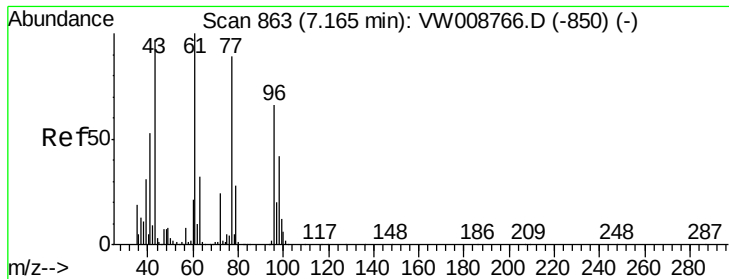
Tgt Ion: 77 Resp: 156964

Ion Ratio Lower Upper

77 100

97 22.7 11.0 33.0



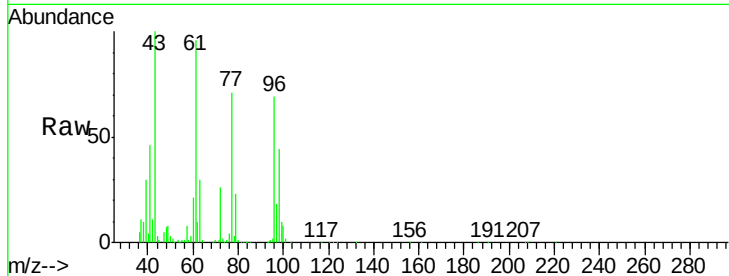


#27

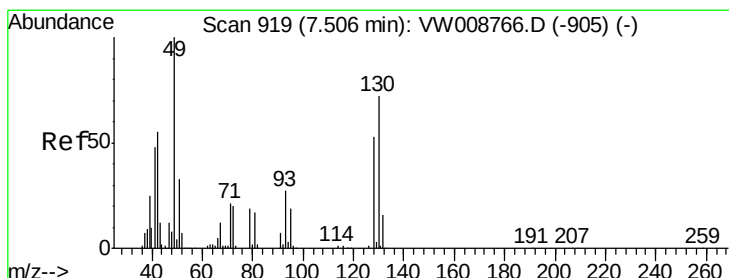
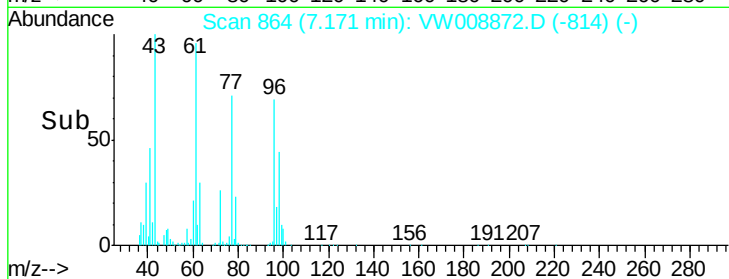
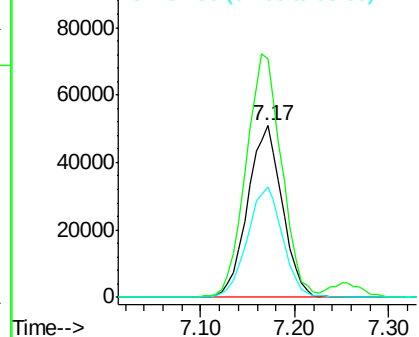
cis-1,2-Dichloroethene
Concen: 46.711 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 130754
Ion Ratio Lower Upper
96 100
61 145.7 0.0 302.6
98 65.3 0.0 130.0



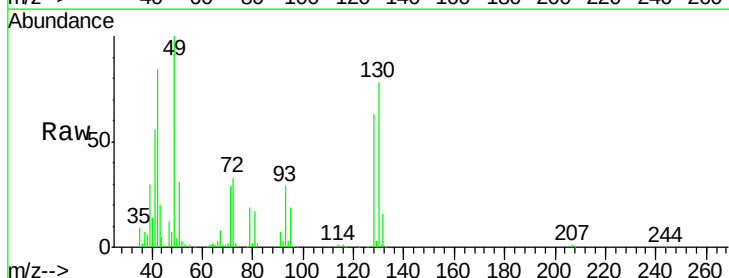
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



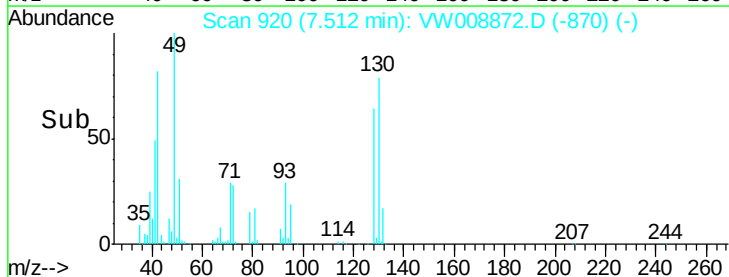
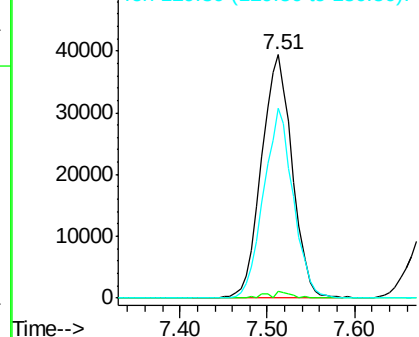
#28

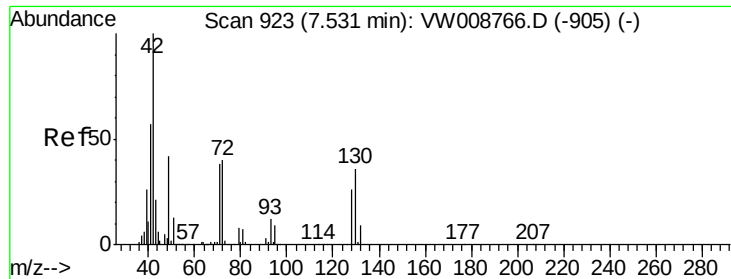
Bromochloromethane
Concen: 50.975 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 49 Resp: 96276
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.6
130 75.5 61.3 91.9



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

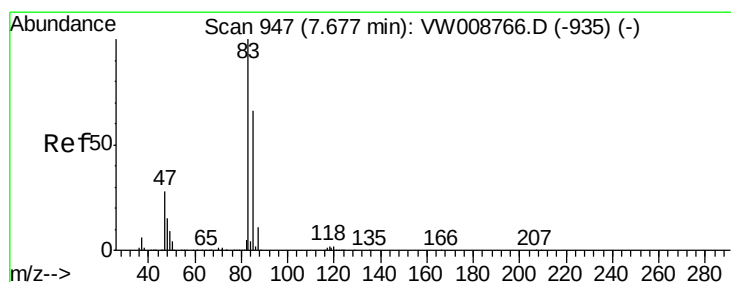
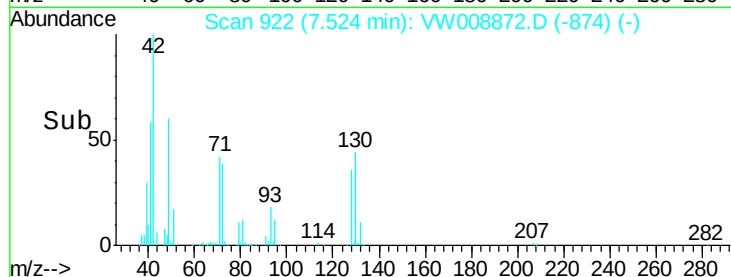
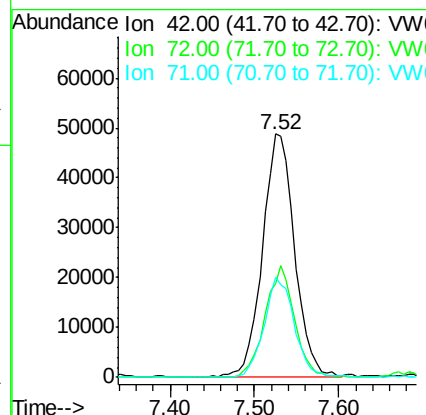
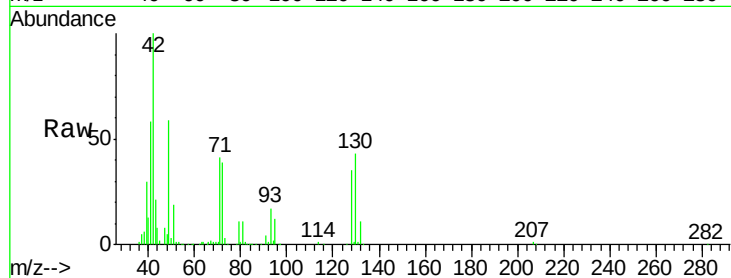




#29
Tetrahydrofuran
Concen: 256.542 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

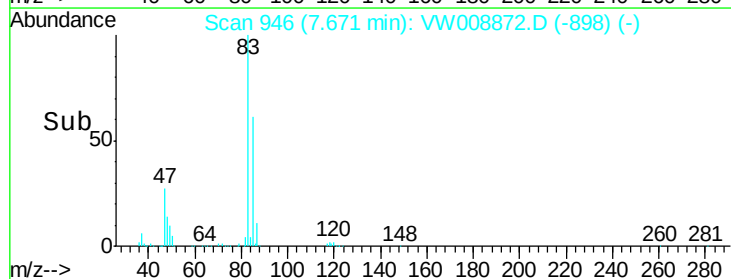
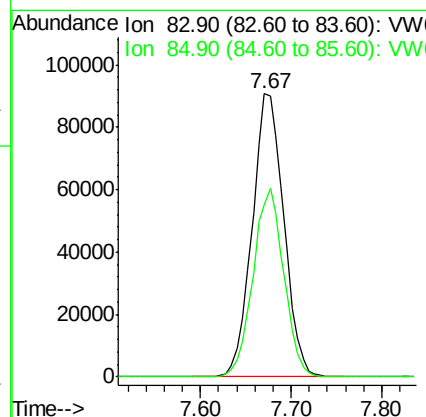
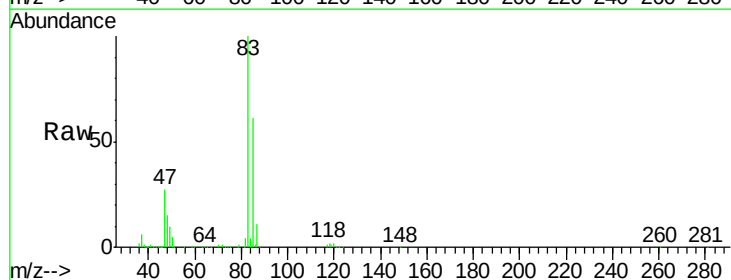
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

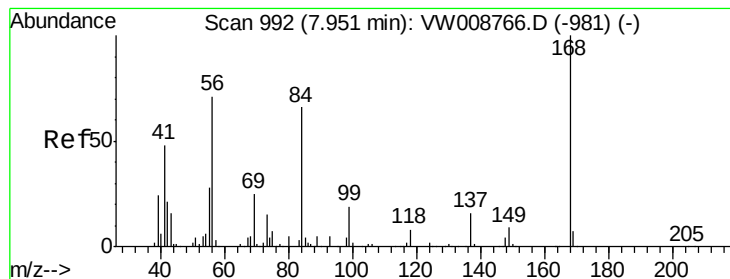
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	32.7	49.1
71	38.5	31.3	46.9



#30
Chloroform
Concen: 47.184 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.6	79.0





#31

Cyclohexane

Concen: 39.115 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

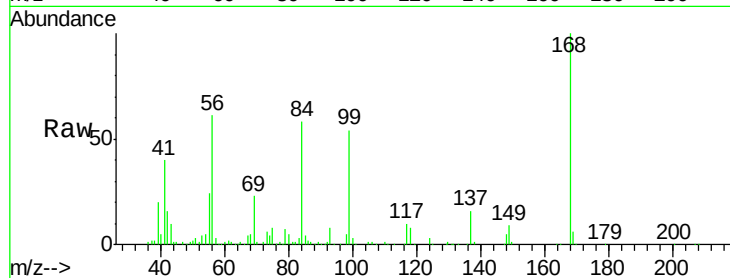
Tot Ion: 56 Resp: 178698

Ion Ratio Lower Upper

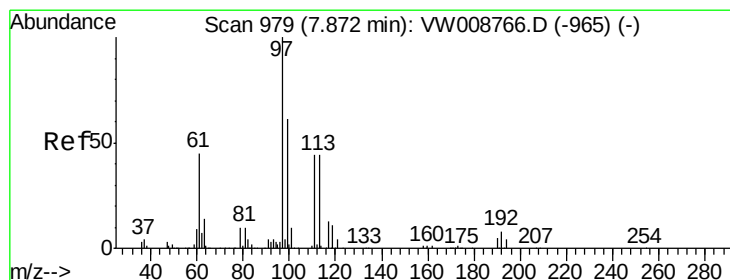
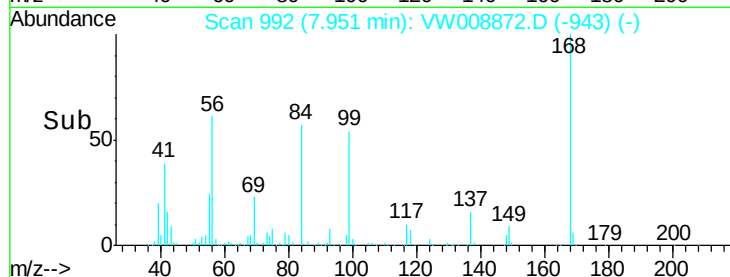
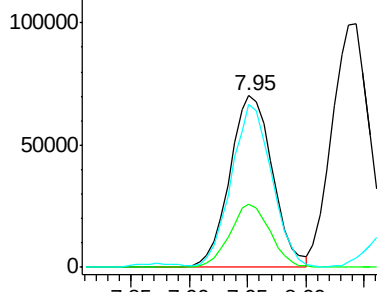
56 100

69 36.6 28.2 42.4

84 93.3 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: 44.337 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

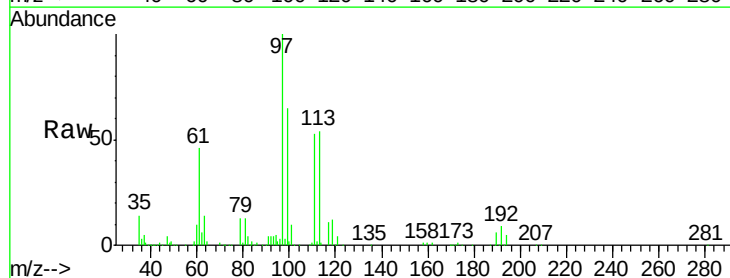
Tgt Ion: 97 Resp: 186686

Ion Ratio Lower Upper

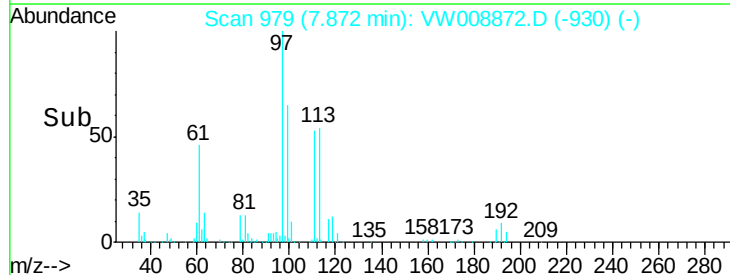
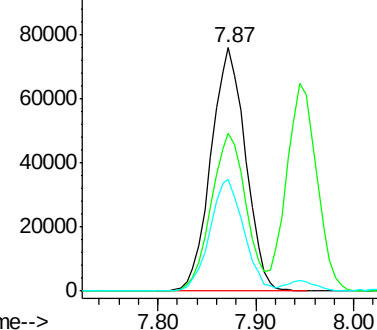
97 100

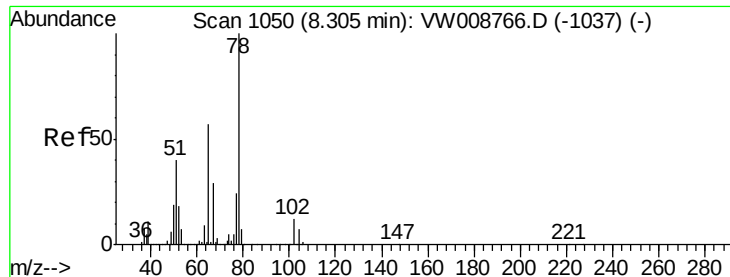
99 64.8 50.8 76.2

61 44.9 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

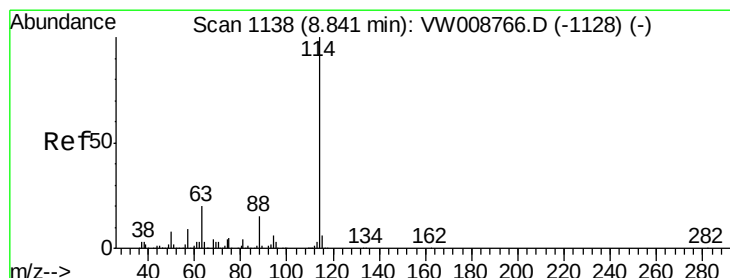
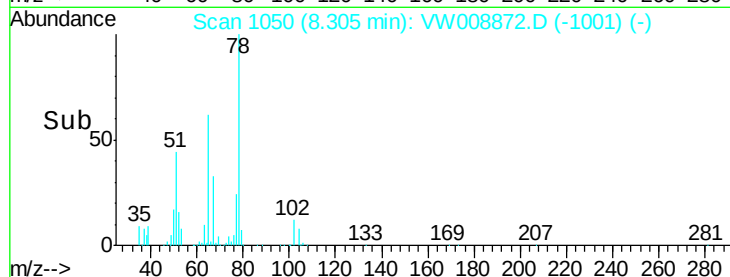
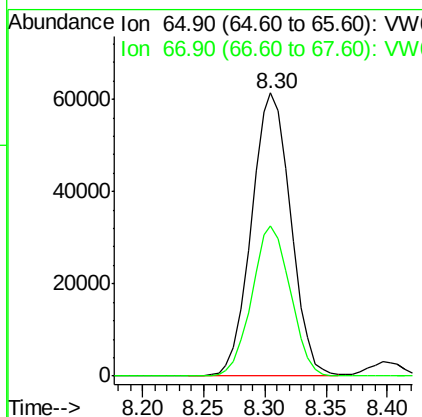
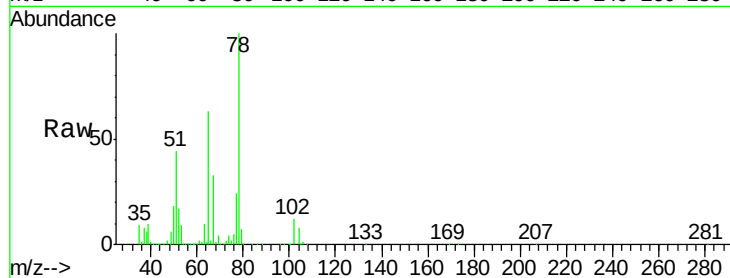




#33
 1,2-Dichloroethane-d4
 Concen: 56.631 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

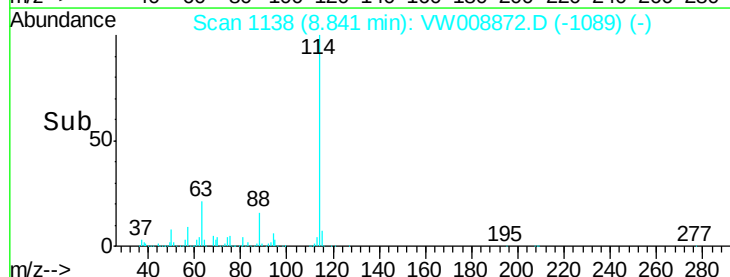
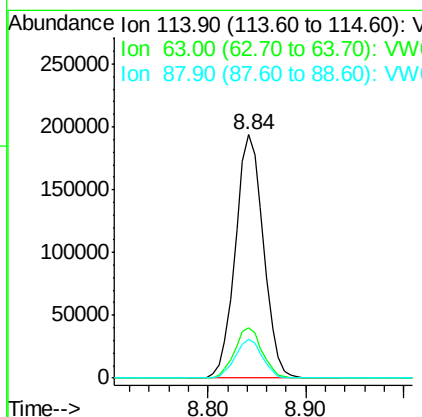
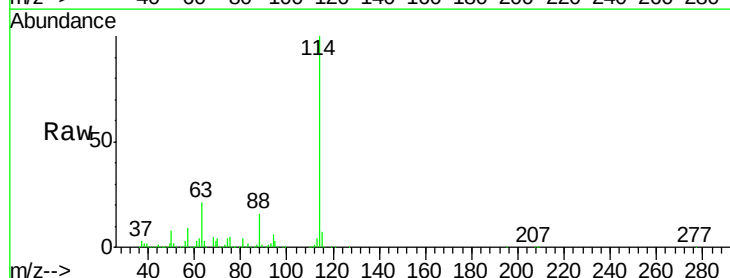
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

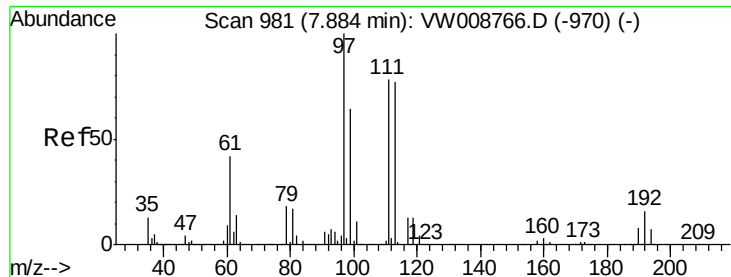
Tot Ion: 65 Resp: 137235
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion: 114 Resp: 384588
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 15.9 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.863 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

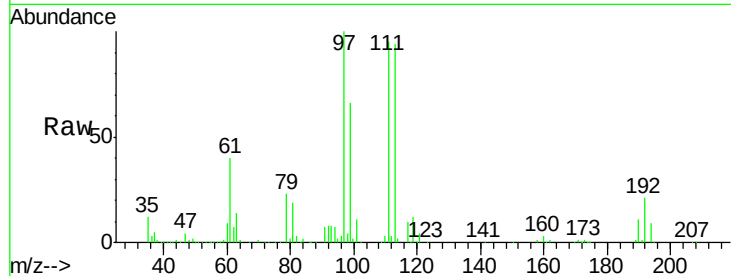
Tot Ion:113 Resp: 126685

Ion Ratio Lower Upper

113 100

111 99.7 81.9 122.9

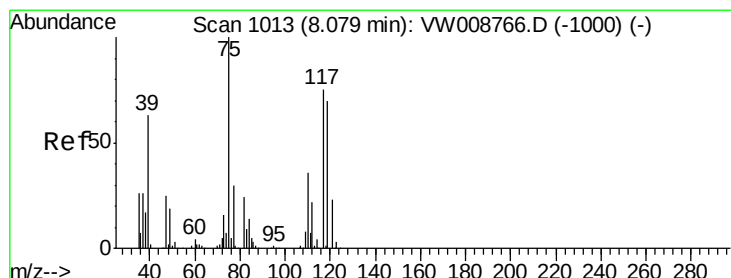
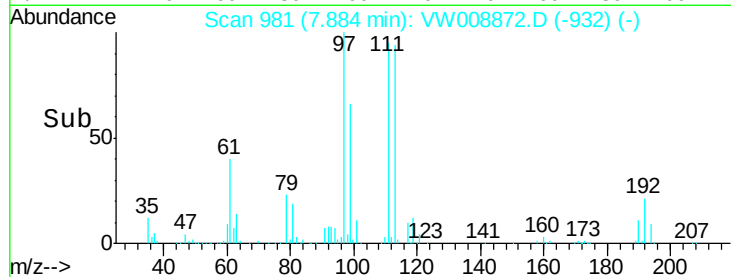
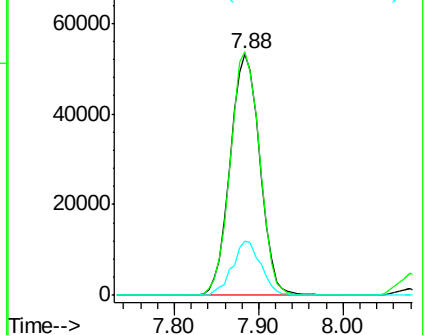
192 21.6 17.1 25.7



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: 42.961 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

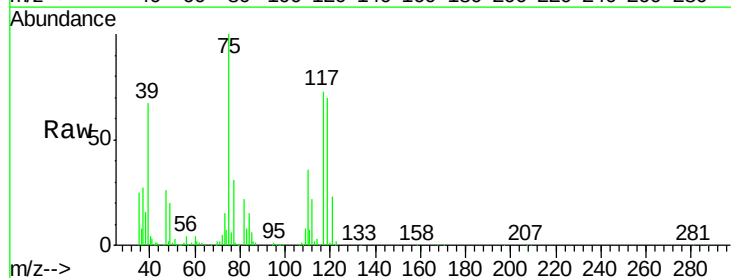
Tgt Ion: 75 Resp: 160834

Ion Ratio Lower Upper

75 100

110 34.4 17.5 52.6

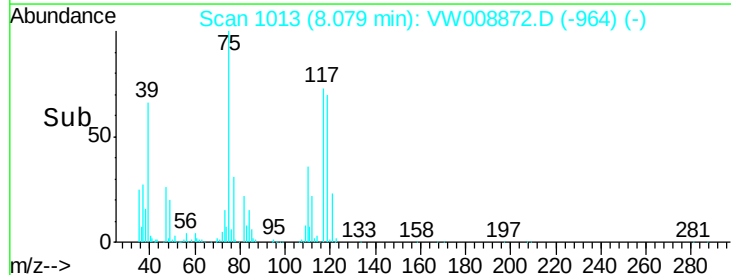
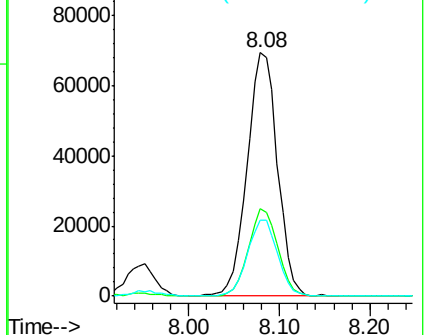
77 31.2 24.5 36.7

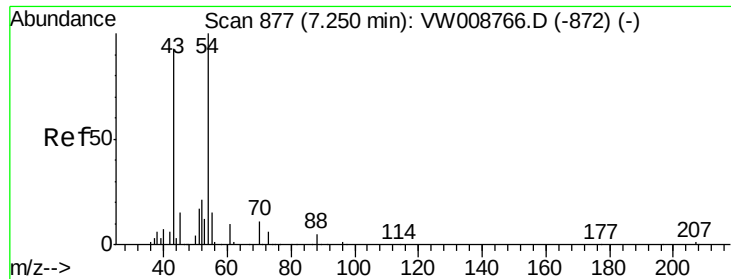


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

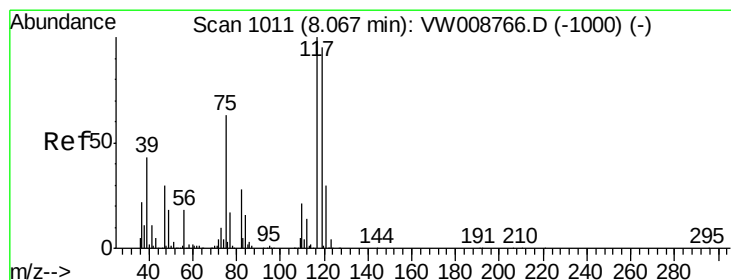
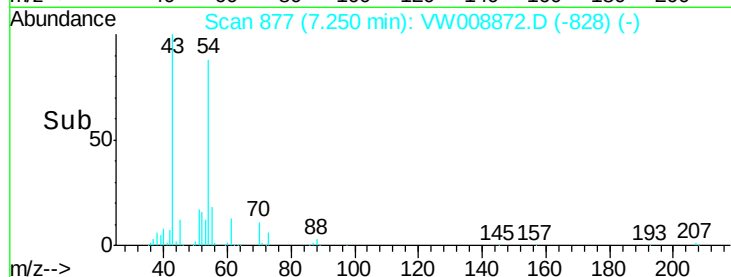
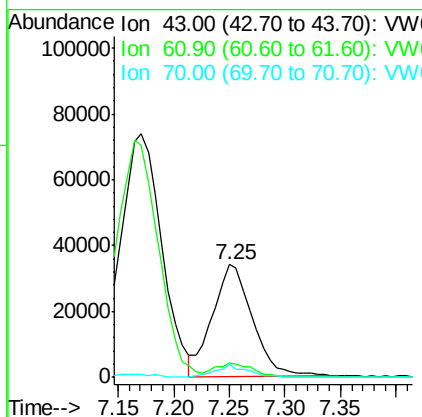
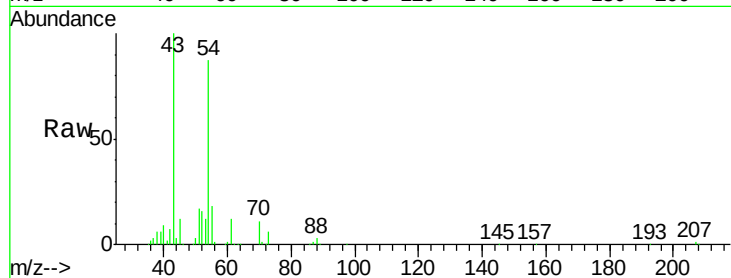




#37
Ethyl Acetate
Concen: 48.820 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

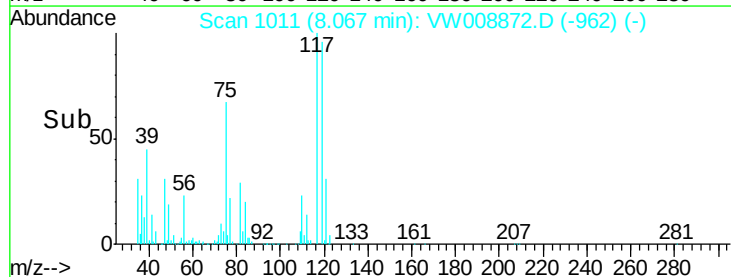
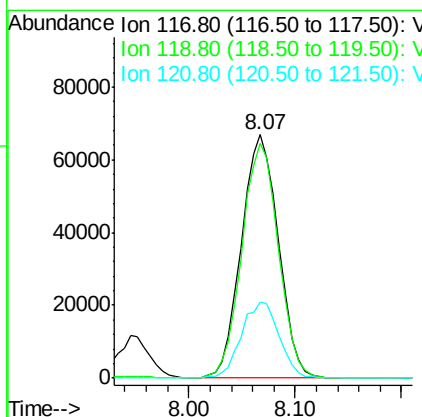
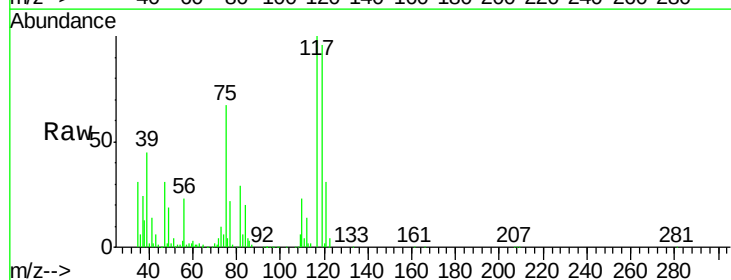
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

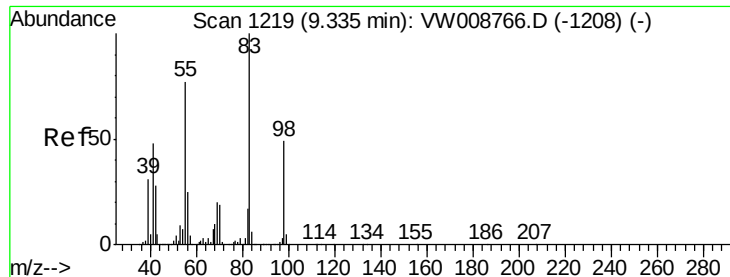
Tot Ion: 43 Resp: 84991
Ion Ratio Lower Upper
43 100
61 12.3 9.8 14.8
70 9.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 41.343 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 117 Resp: 163228
Ion Ratio Lower Upper
117 100
119 96.5 76.1 114.1
121 31.3 24.0 36.0

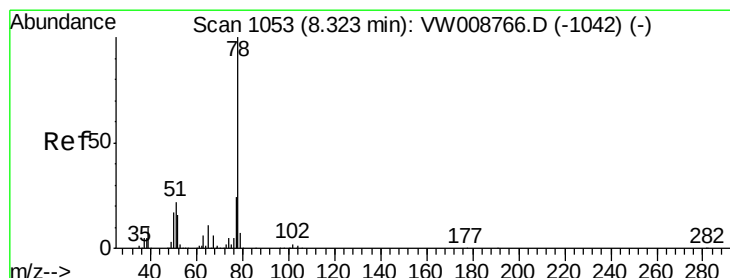
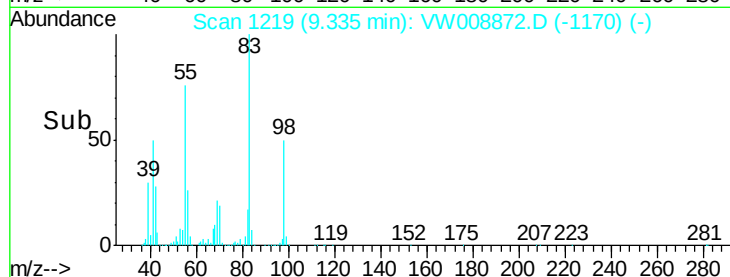
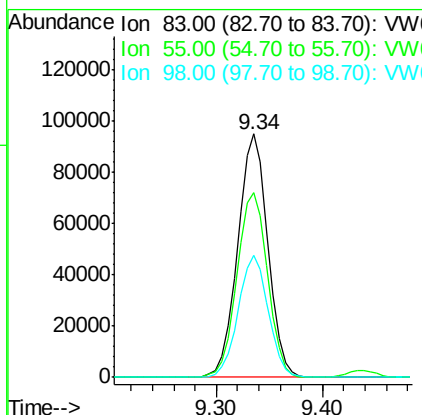
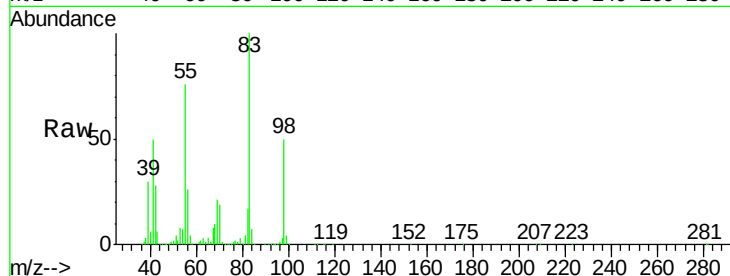




#39
Methylvlcyclohexane
Concen: 40.216 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

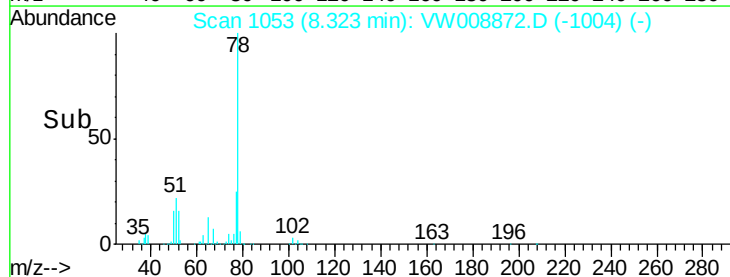
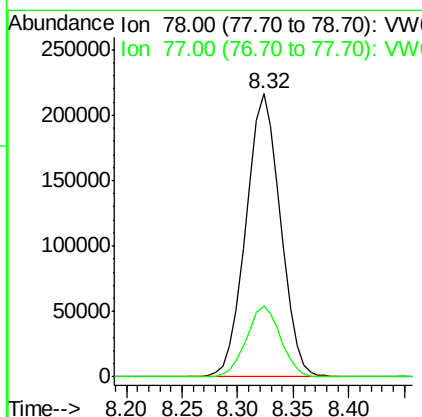
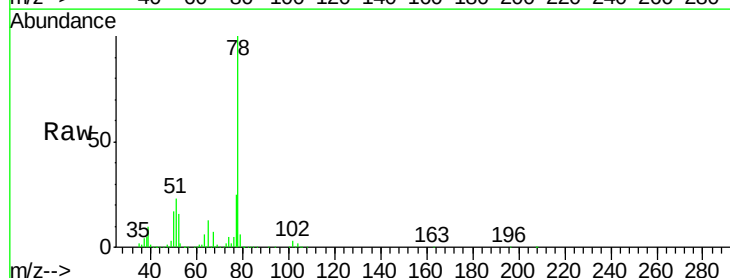
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

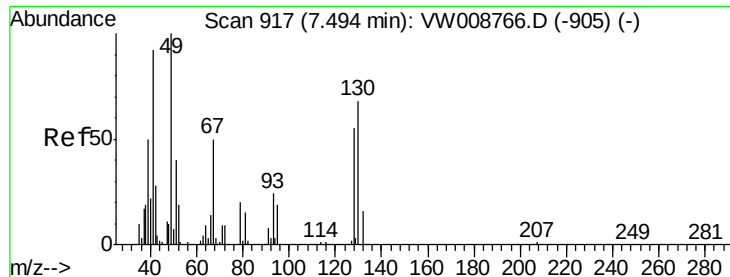
Tot Ion: 83 Resp: 187794
Ion Ratio Lower Upper
83 100
55 75.4 61.2 91.8
98 50.2 39.4 59.2



#40
Benzene
Concen: 45.722 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 78 Resp: 467347
Ion Ratio Lower Upper
78 100
77 24.8 19.3 28.9

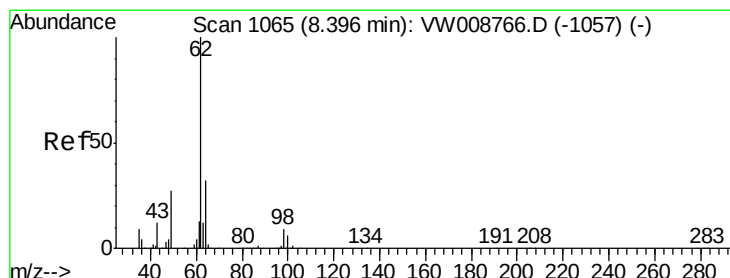
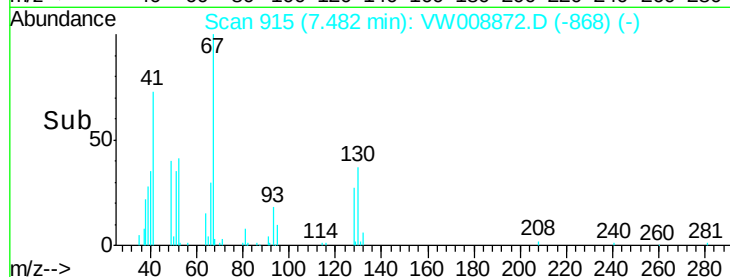
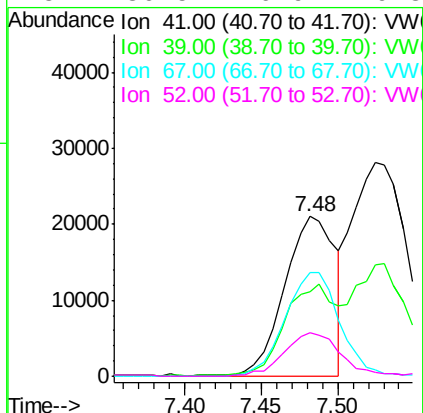
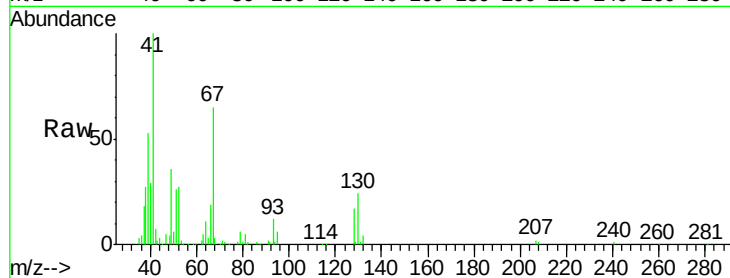




#41
Methacrylonitrile
Concen: 47.390 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

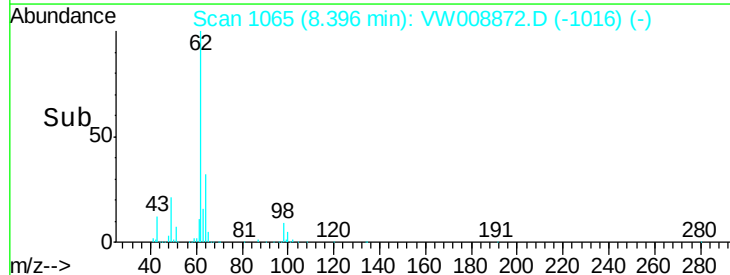
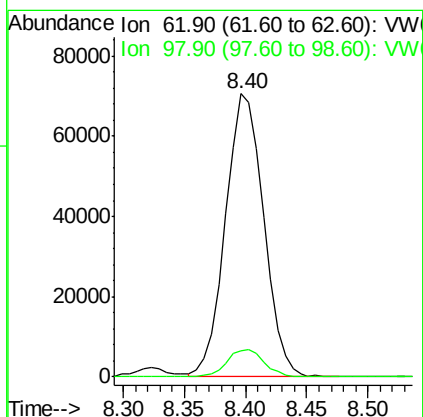
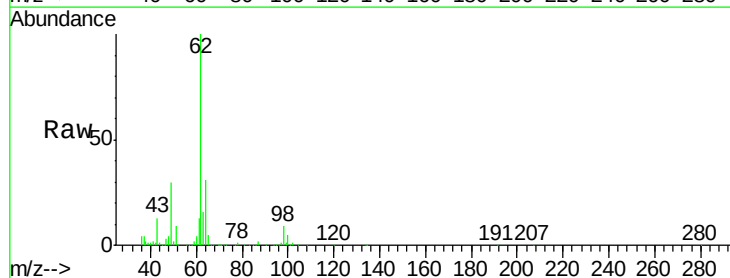
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

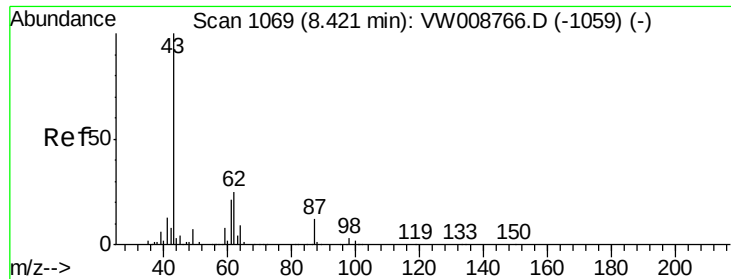
Tot Ion:	41	Resp:	48495
Ion	Ratio	Lower	Upper
41	100		
39	56.4	52.5	78.7
67	69.5	55.0	82.6
52	30.5	26.9	40.3



#42
1,2-Dichloroethane
Concen: 47.305 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion:	62	Resp:	153170
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 48.121 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

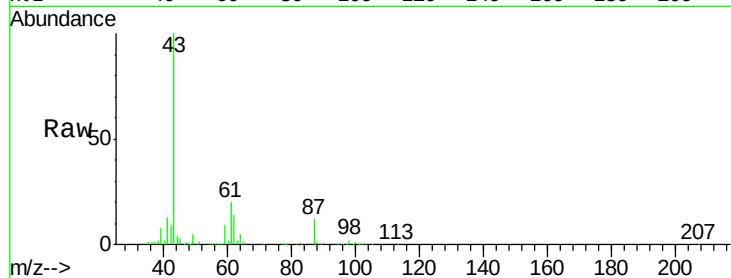
Tot Ion: 43 Resp: 167197

Ion Ratio Lower Upper

43 100

61 28.6 23.2 34.8

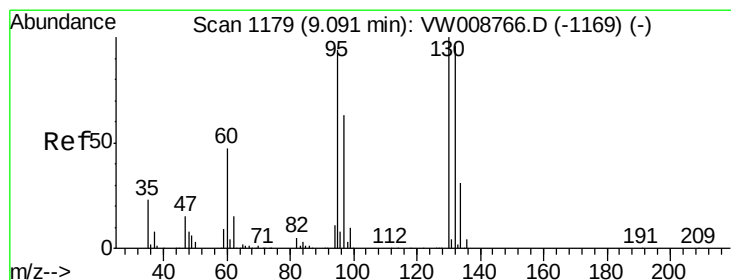
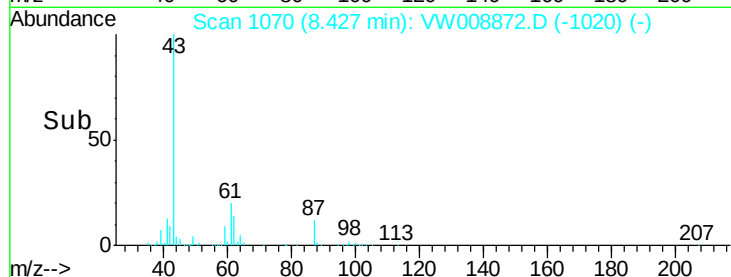
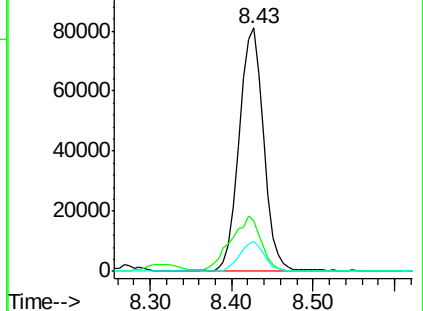
87 12.5 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 44.028 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008872.D

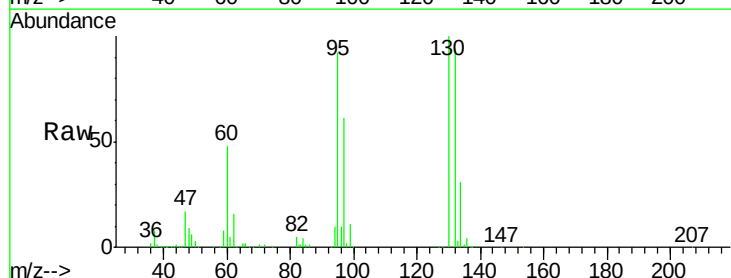
Acq: 28 Feb 2019 00:19

Tgt Ion: 130 Resp: 126778

Ion Ratio Lower Upper

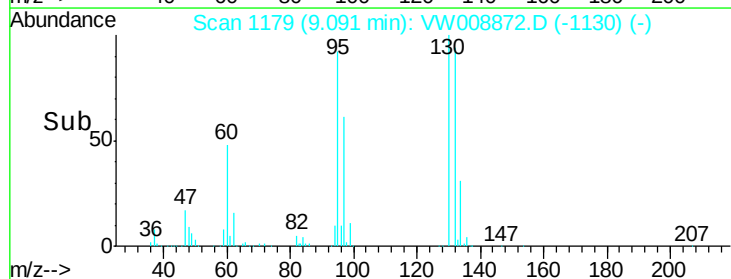
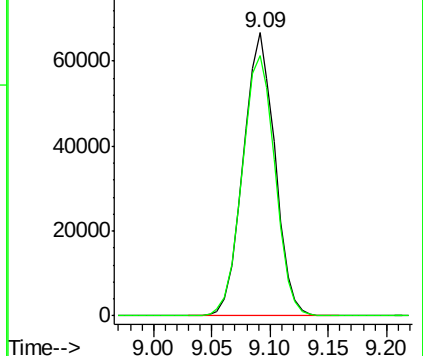
130 100

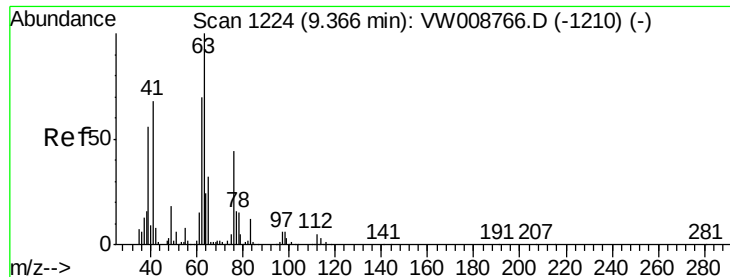
95 92.0 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 47.115 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

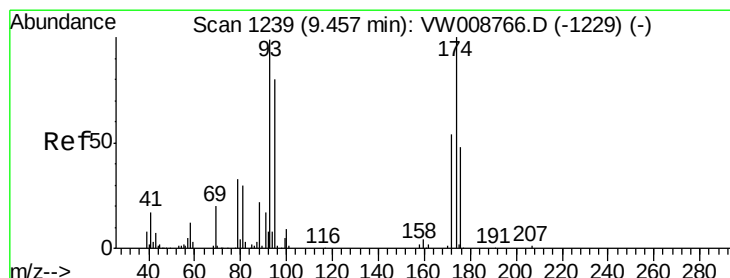
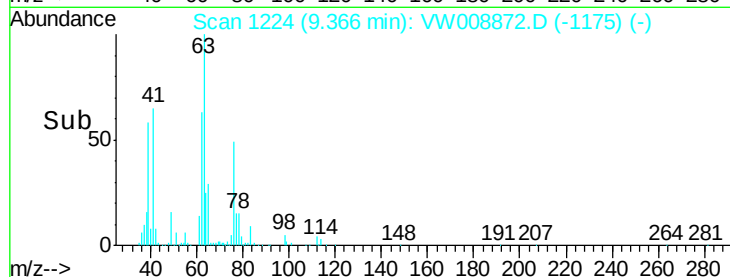
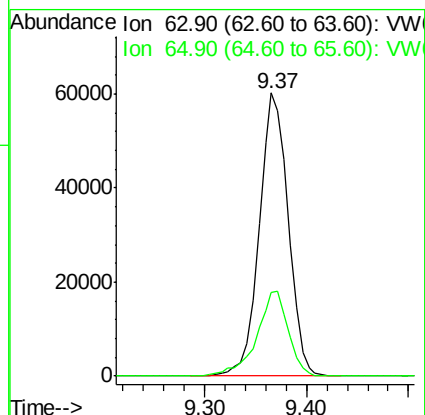
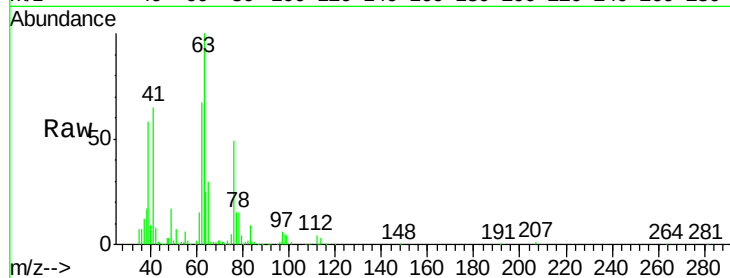
VSTDCCC050

Tot Ion: 63 Resp: 119006

Ion Ratio Lower Upper

63 100

65 29.8 25.5 38.3



#46

Dibromomethane

Concen: 47.690 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

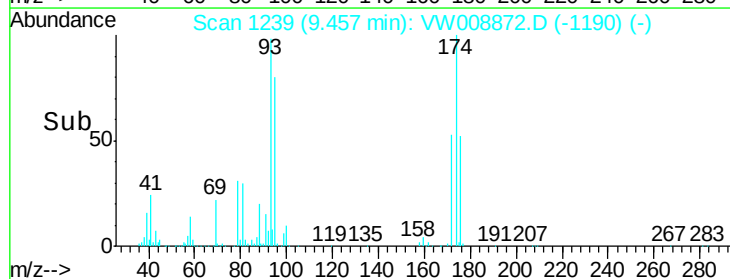
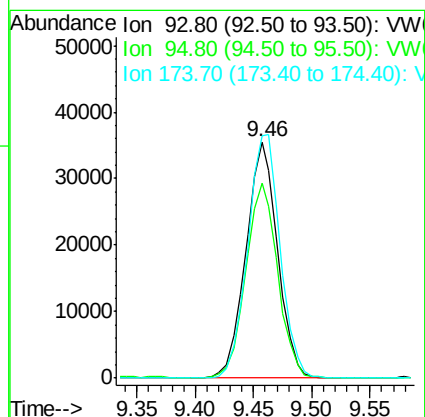
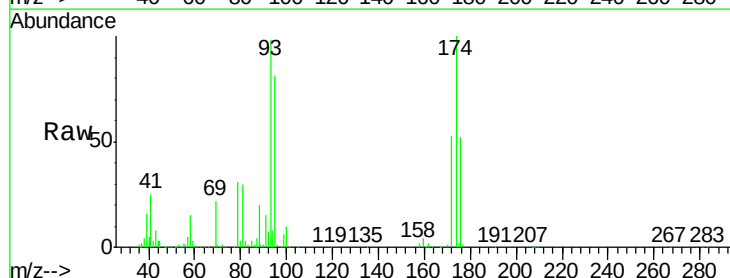
Tgt Ion: 93 Resp: 67004

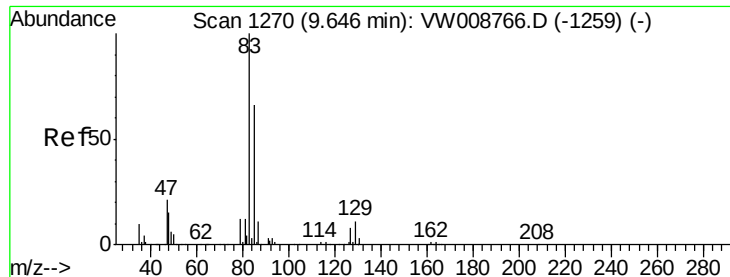
Ion Ratio Lower Upper

93 100

95 83.5 67.7 101.5

174 106.2 86.7 130.1





#47

Bromodichloromethane

Concen: 47.774 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

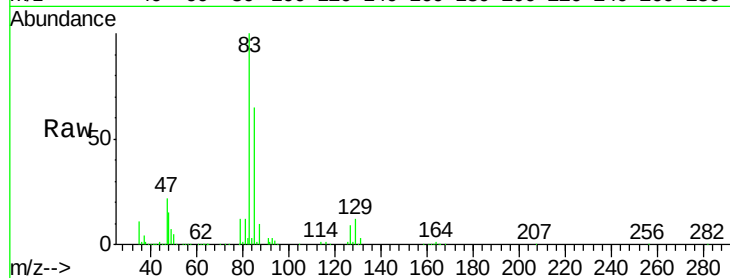
Tot Ion: 83 Resp: 163309

Ion Ratio Lower Upper

83 100

85 65.1 52.5 78.7

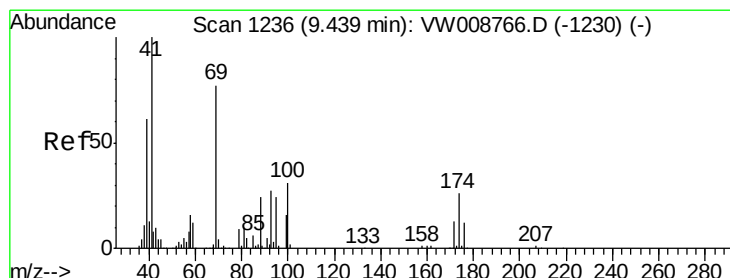
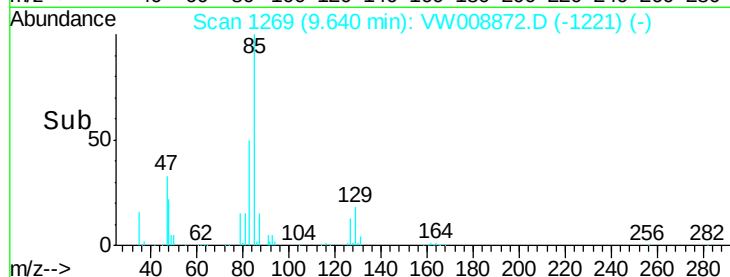
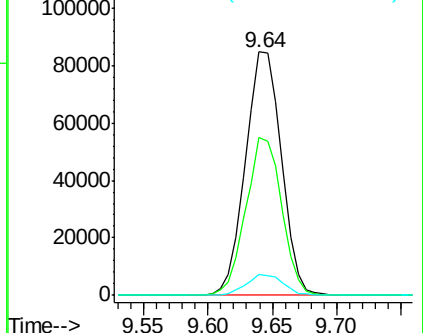
127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 46.701 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

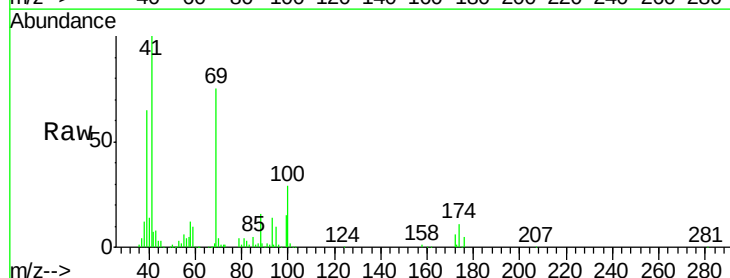
Tgt Ion: 41 Resp: 77715

Ion Ratio Lower Upper

41 100

69 83.6 63.6 95.4

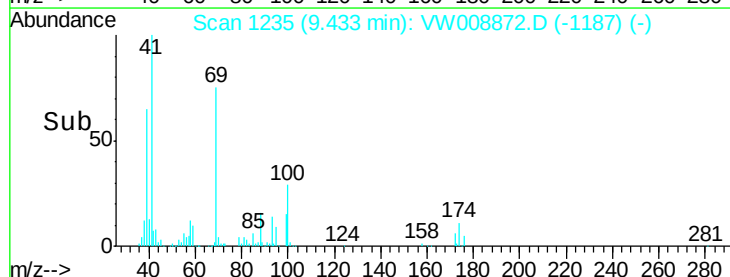
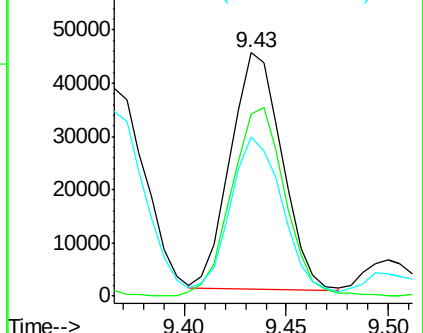
39 68.9 52.1 78.1

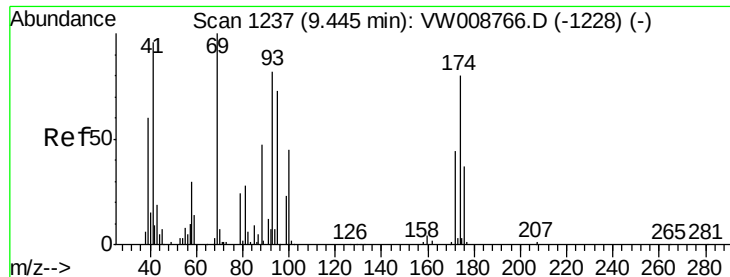


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

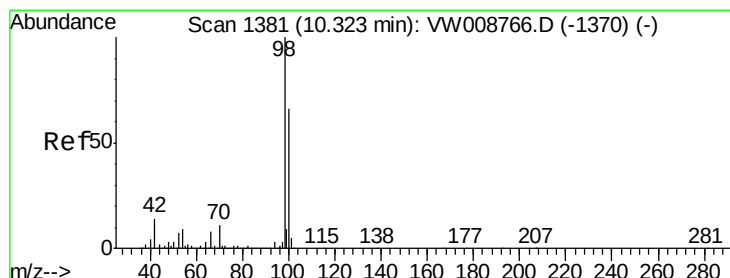
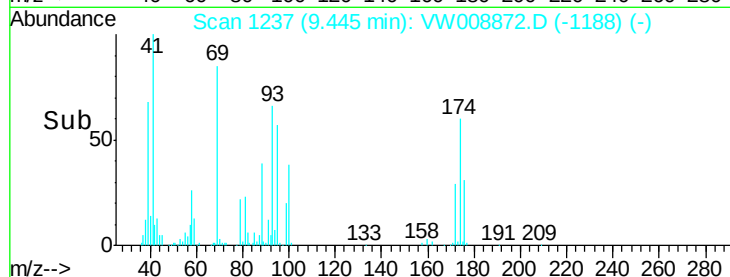
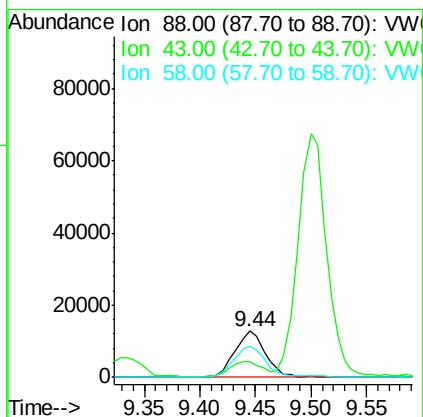
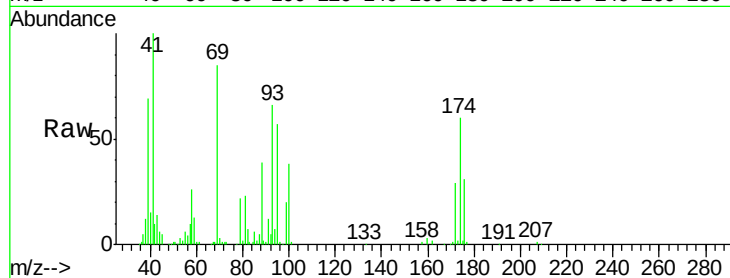




#49
1,4-Dioxane
Concen: 1093.572 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

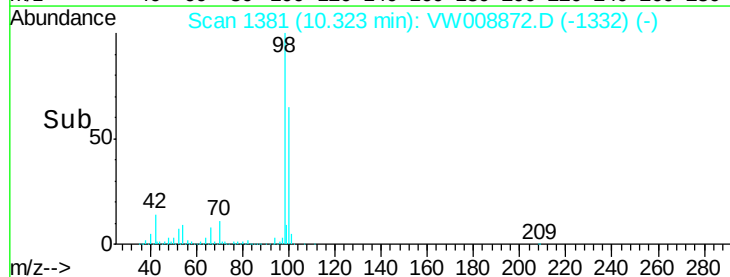
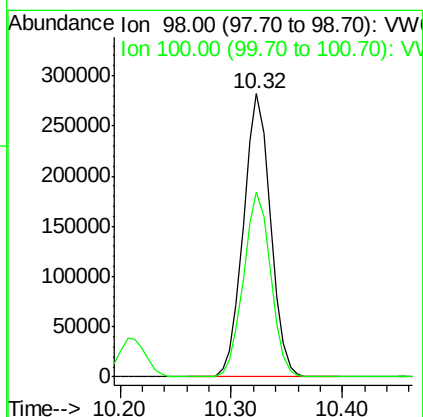
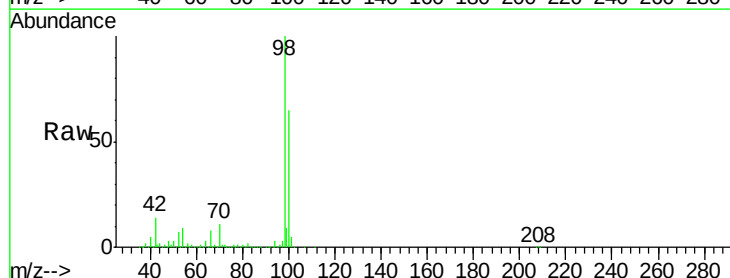
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

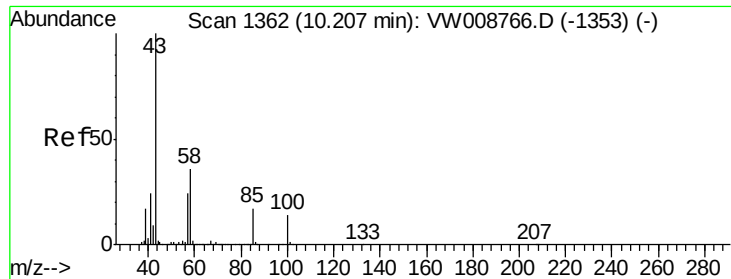
Tot Ion: 88 Resp: 24605
Ion Ratio Lower Upper
88 100
43 35.6 29.0 43.4
58 69.8 52.0 78.0



#50
Toluene-d8
Concen: 53.545 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 98 Resp: 477288
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 249.389 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

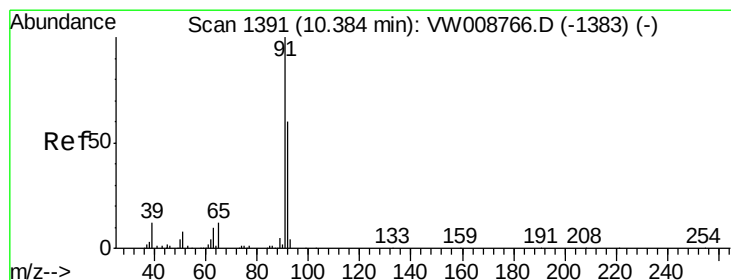
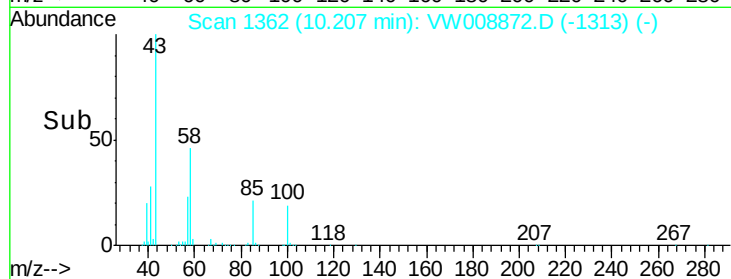
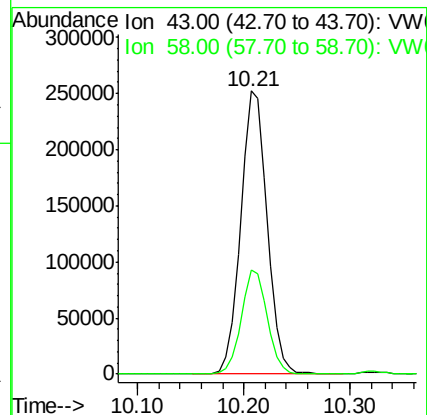
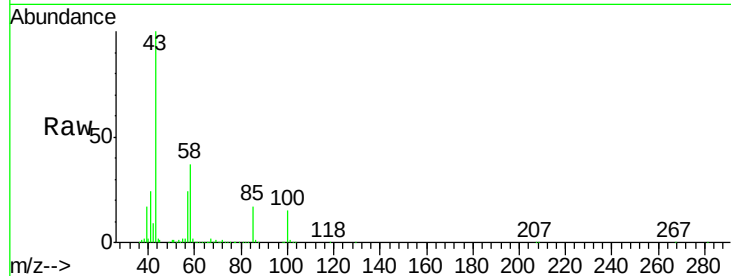
VSTDCCC050

Tot Ion: 43 Resp: 439925

Ion Ratio Lower Upper

43 100

58 36.2 29.1 43.7



#52

Toluene

Concen: 46.073 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008872.D

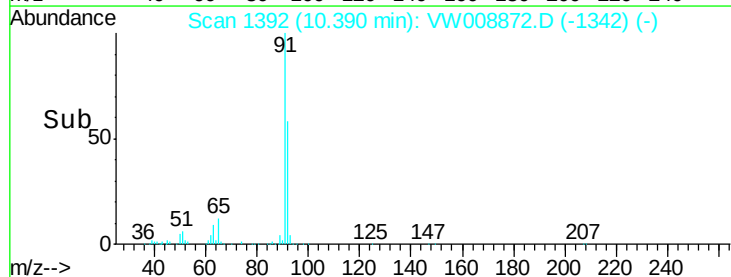
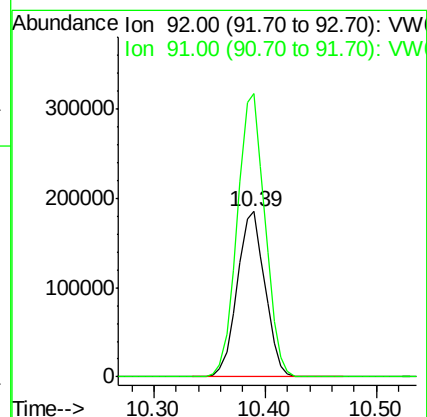
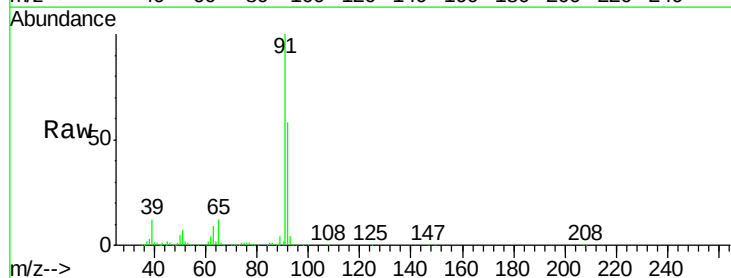
Acq: 28 Feb 2019 00:19

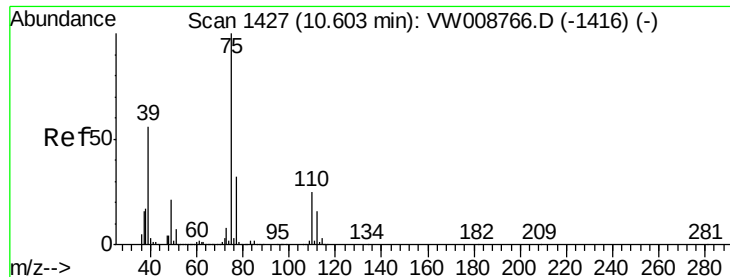
Tgt Ion: 92 Resp: 319614

Ion Ratio Lower Upper

92 100

91 171.6 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 46.274 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampled :

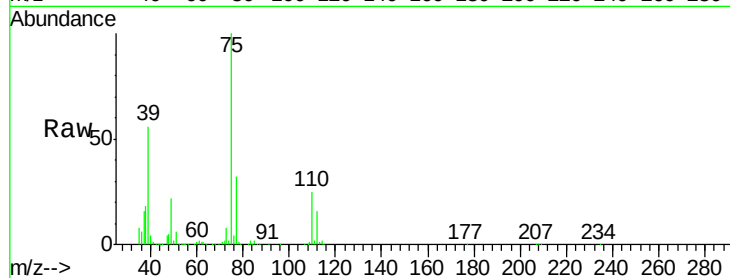
VSTDCCC050

Tot Ion: 75 Resp: 161229

Ion Ratio Lower Upper

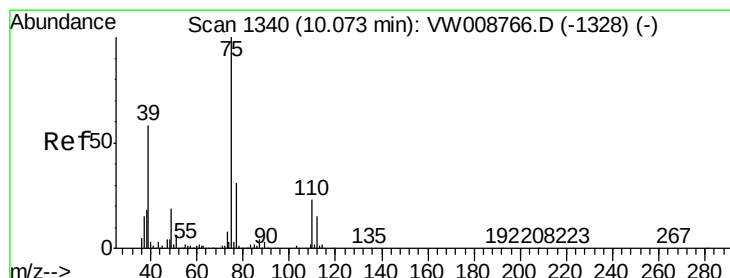
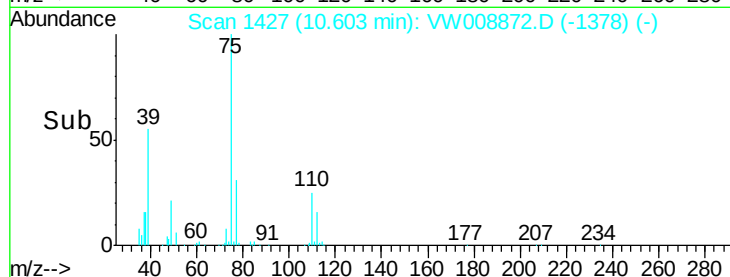
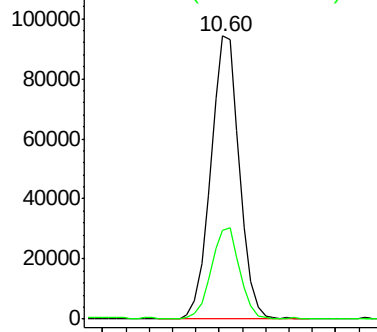
75 100

77 31.4 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 47.144 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

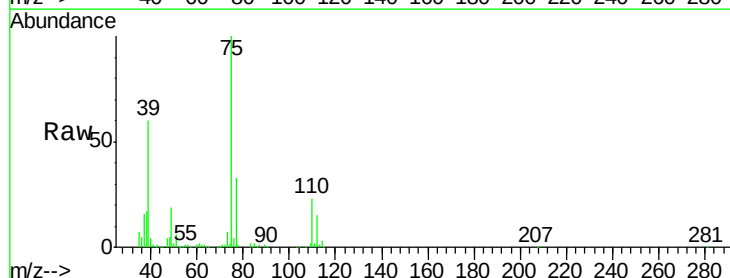
Tgt Ion: 75 Resp: 187341

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4

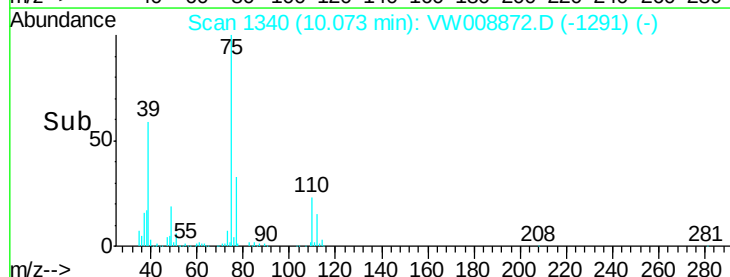
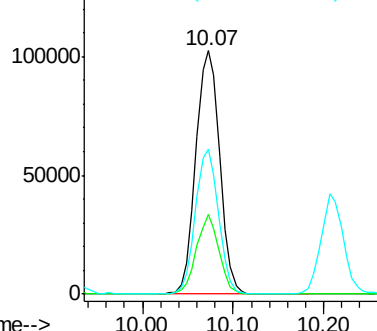
39 59.4 46.6 70.0

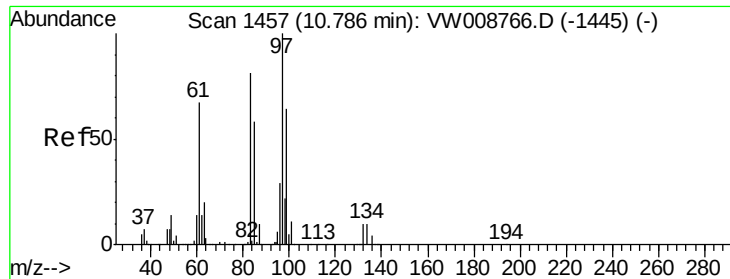


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

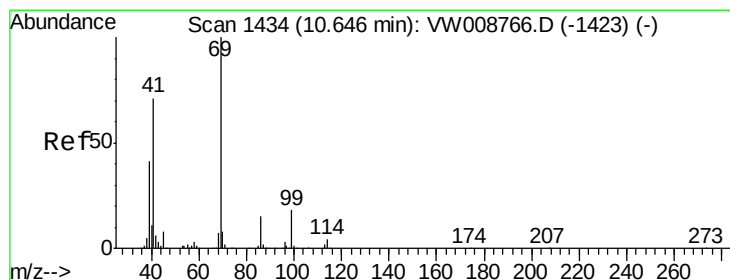
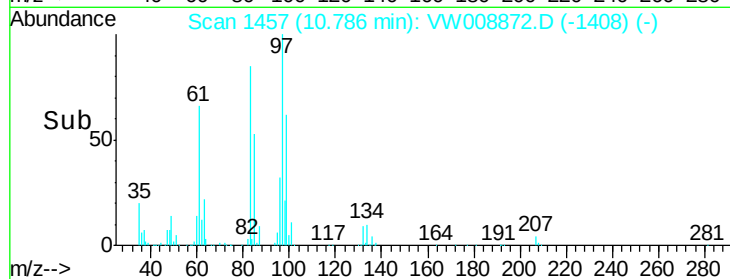
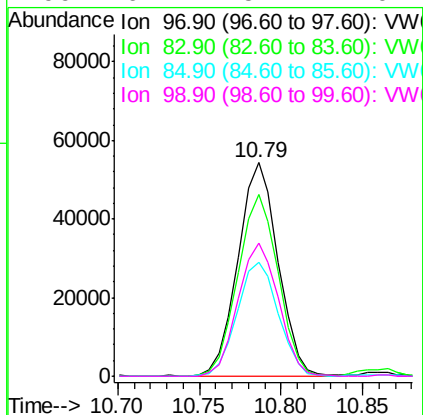
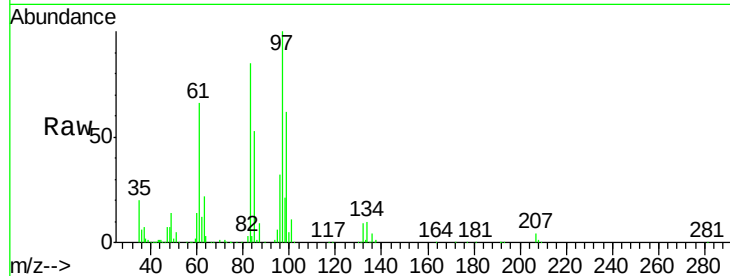




#55
 1,1,2-Trichloroethane
 Concen: 48.839 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

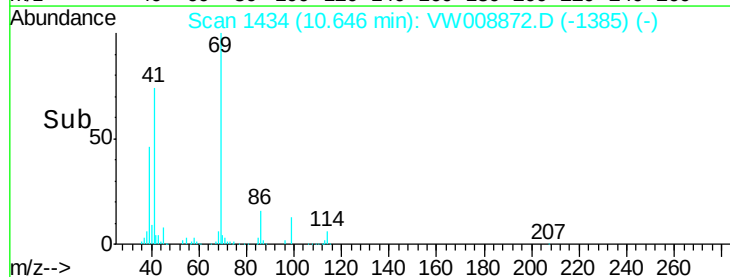
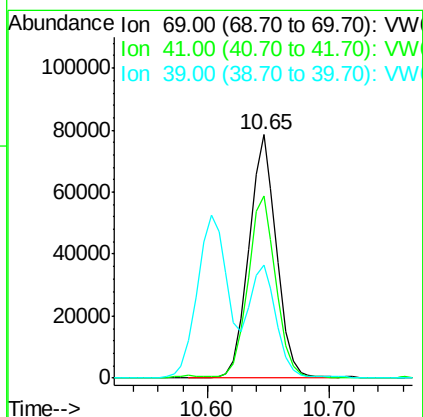
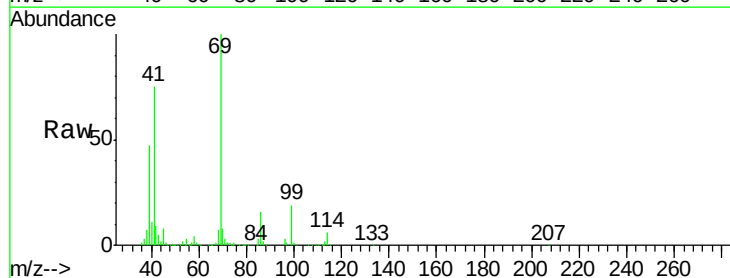
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

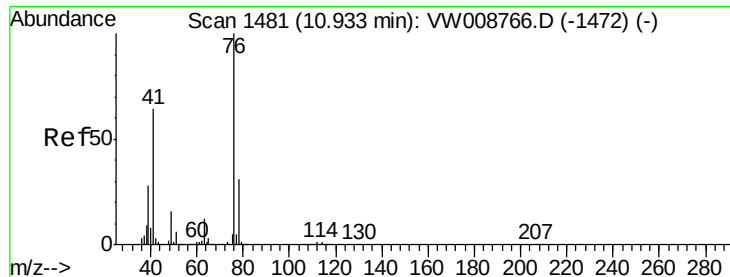
Tot Ion:	97	Resp:	93058
Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.0	97.6
85	53.4	46.0	69.0
99	62.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 49.505 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion:	69	Resp:	122550
Ion	Ratio	Lower	Upper
69	100		
41	75.3	57.4	86.0
39	43.4	34.8	52.2

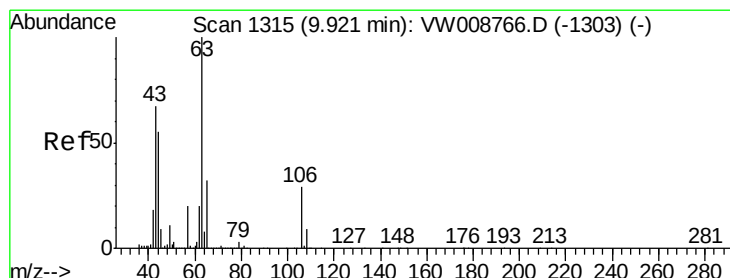
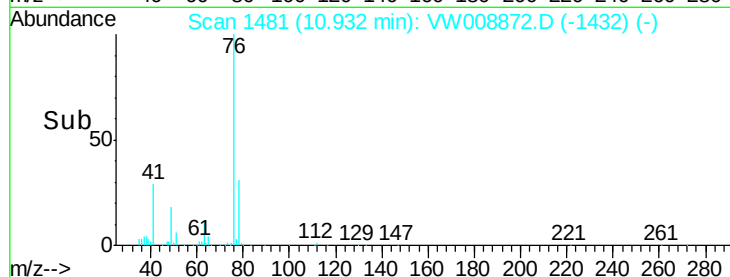
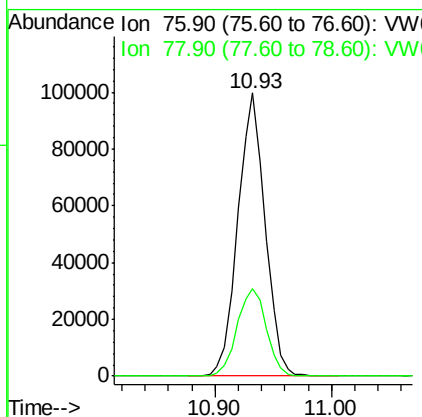
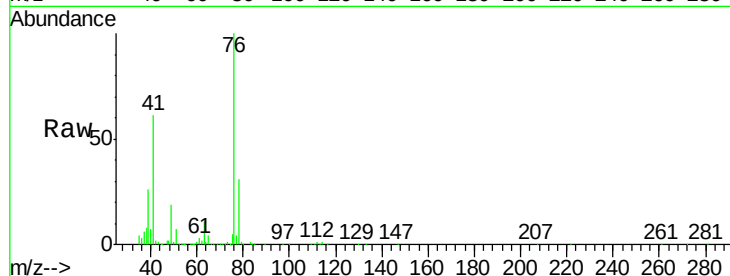




#57
 1,3-Dichloropropane
 Concen: 48.341 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

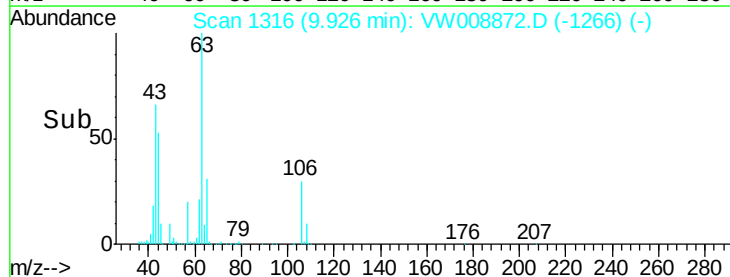
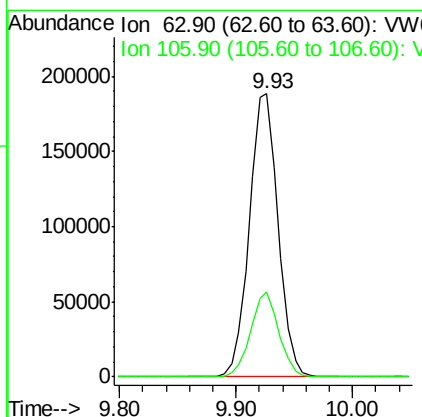
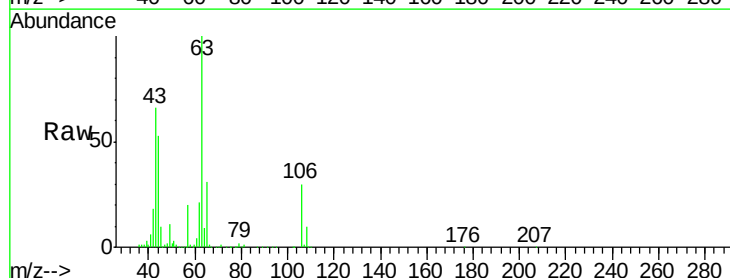
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

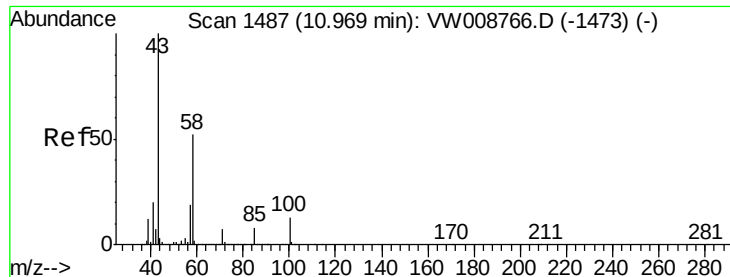
Tot Ion: 76 Resp: 162628
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.345 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion: 63 Resp: 322896
 Ion Ratio Lower Upper
 63 100
 106 29.5 24.0 36.0

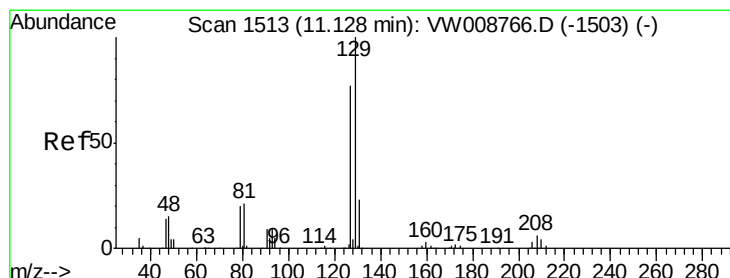
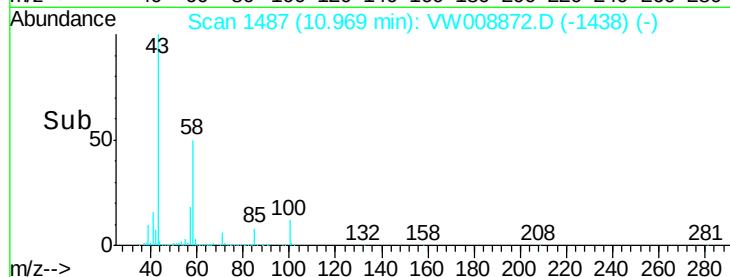
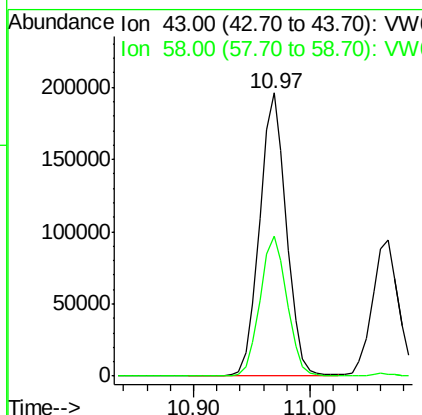
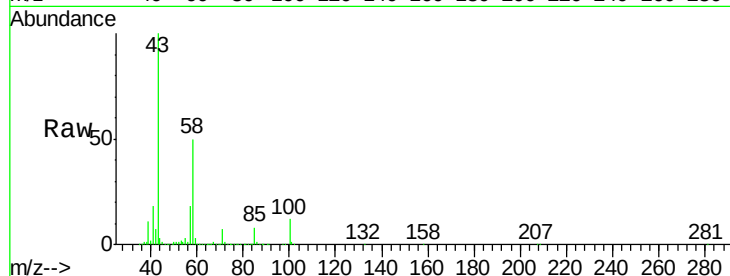




#59
2-Hexanone
Concen: 247.863 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

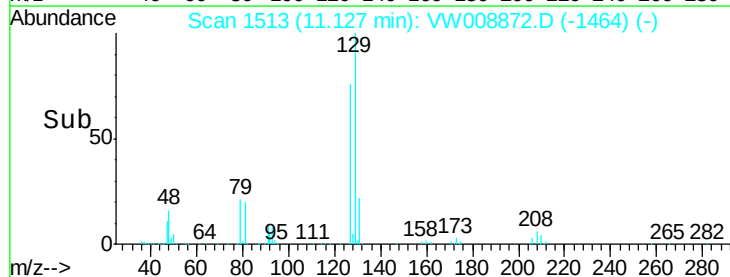
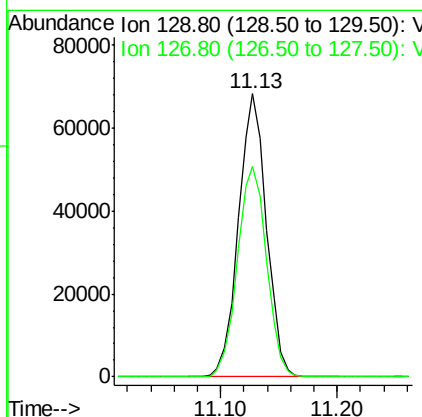
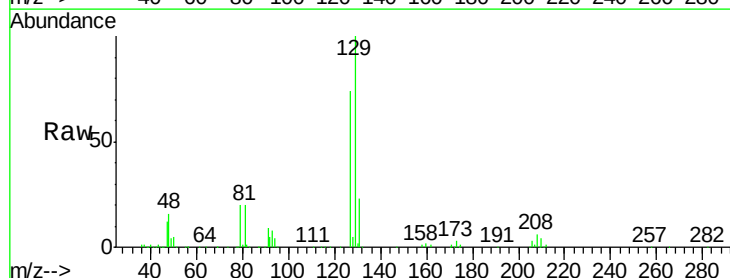
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

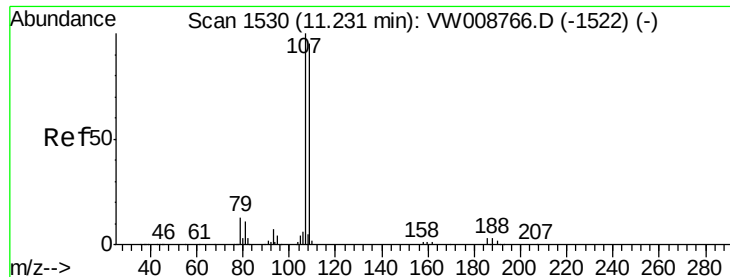
Tot Ion: 43 Resp: 311241
Ion Ratio Lower Upper
43 100
58 50.2 25.3 75.8



#60
Dibromochloromethane
Concen: 49.184 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 129 Resp: 114307
Ion Ratio Lower Upper
129 100
127 77.8 39.0 116.9

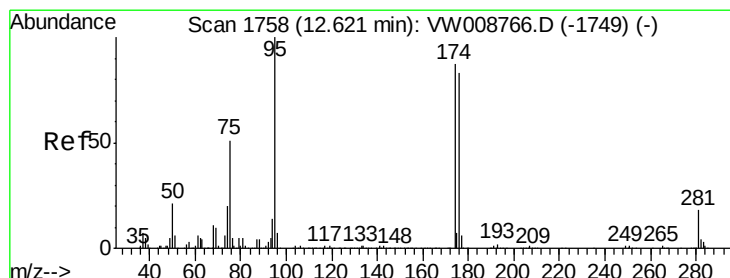
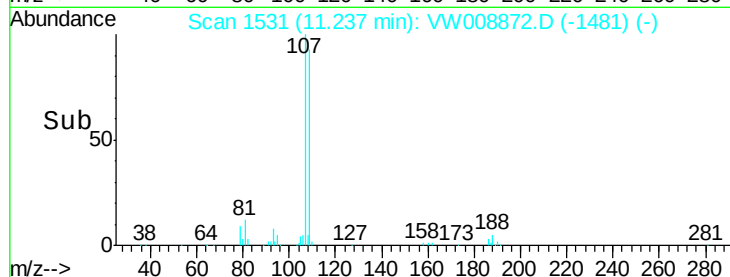
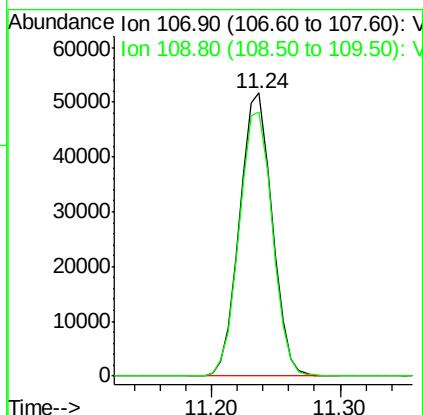
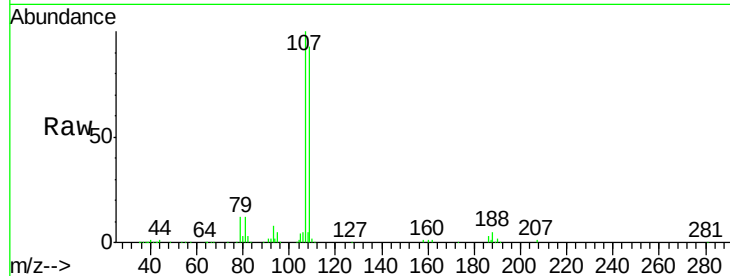




#61
 1,2-Dibromoethane
 Concen: 47.942 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

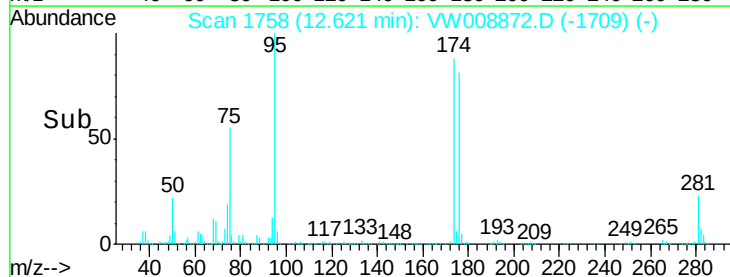
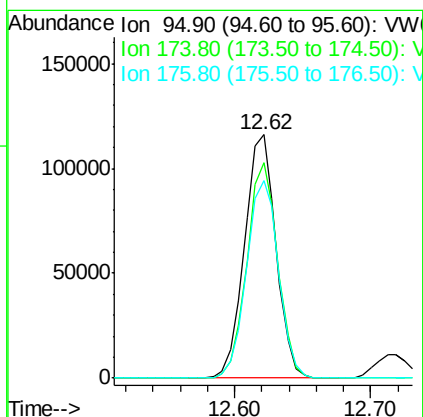
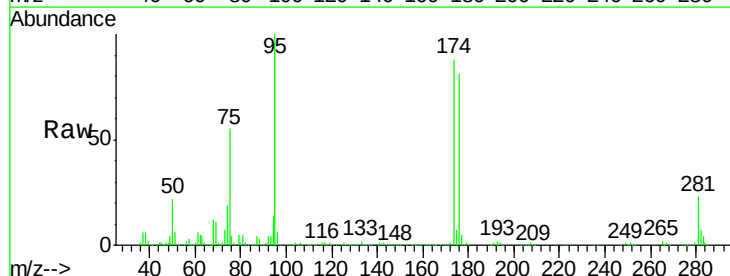
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

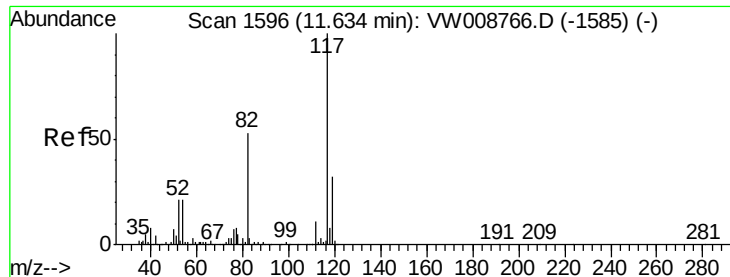
Tot Ion: 107 Resp: 90420
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 53.775 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion: 95 Resp: 187681
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 169.2
 176 82.9 0.0 163.6

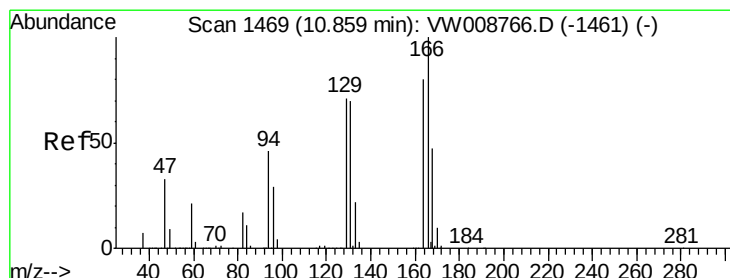
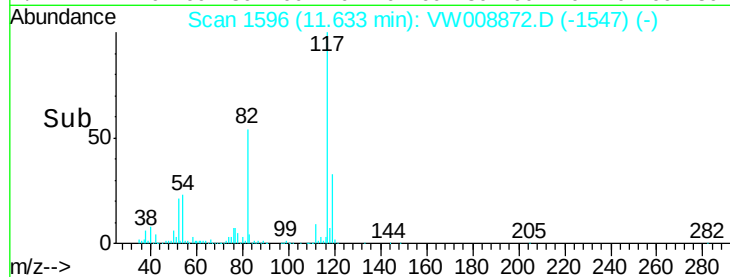
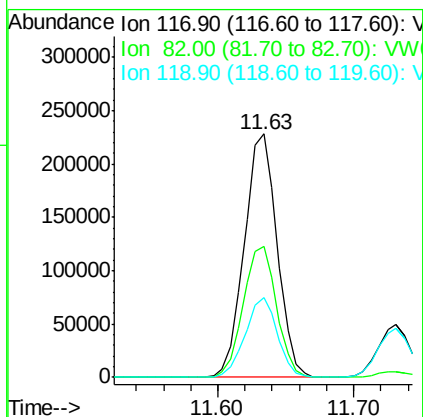
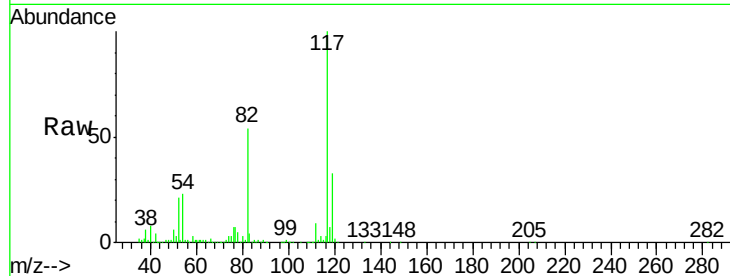




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

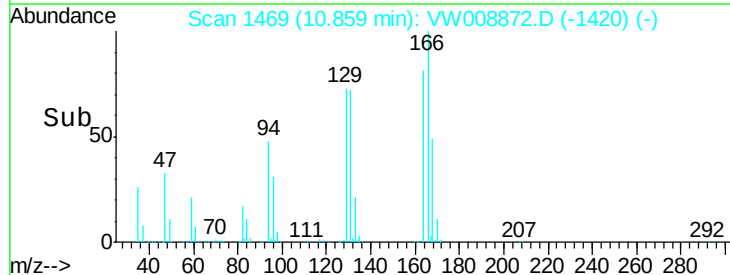
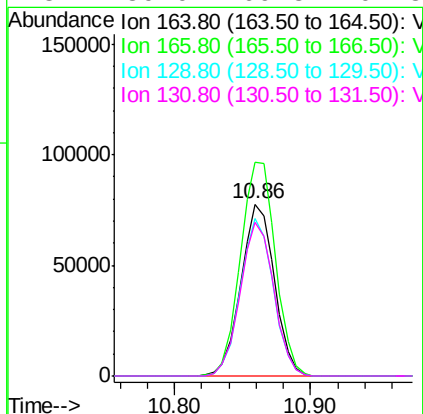
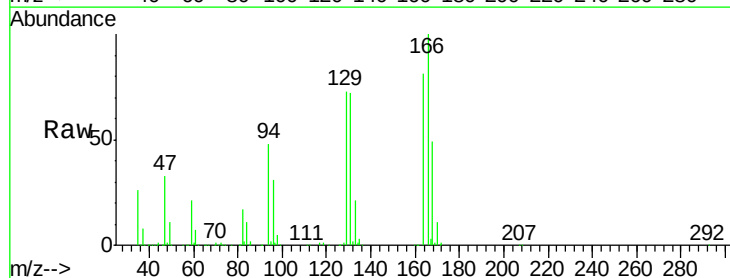
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

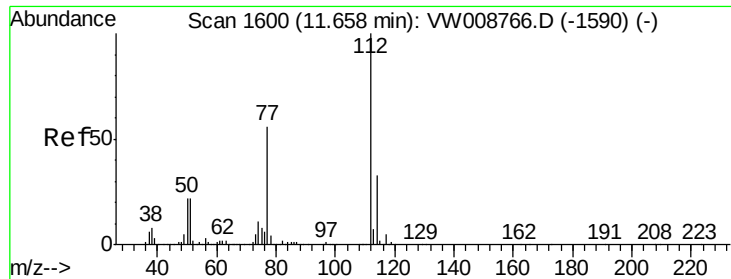
Tot Ion:117 Resp: 384810
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 32.9 25.9 38.9



#64
Tetrachloroethene
Concen: 48.669 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion:164 Resp: 134059
Ion Ratio Lower Upper
164 100
166 124.1 99.5 149.3
129 91.1 71.1 106.7
131 89.0 69.8 104.8





#65

Chlorobenzene

Concen: 44.828 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

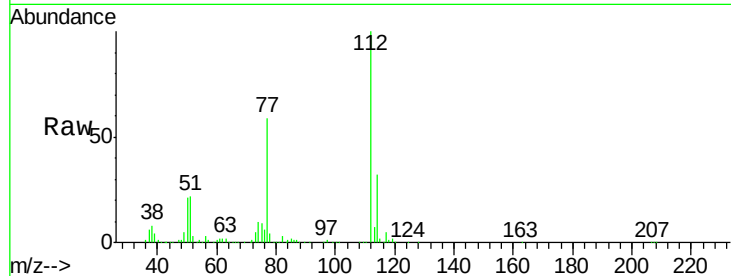
VSTDCCC050

Tot Ion:112 Resp: 362724

Ion Ratio Lower Upper

112 100

114 31.6 26.6 40.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

250000

200000

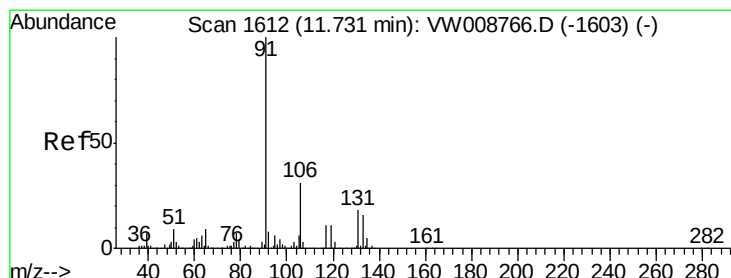
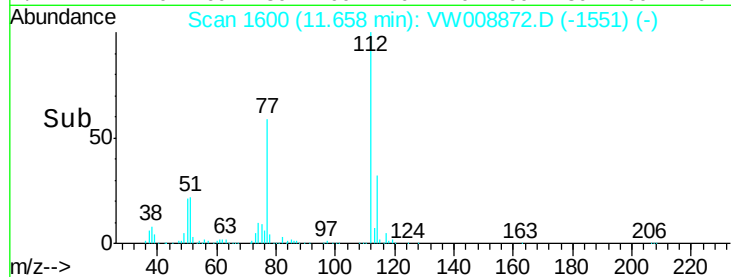
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.146 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

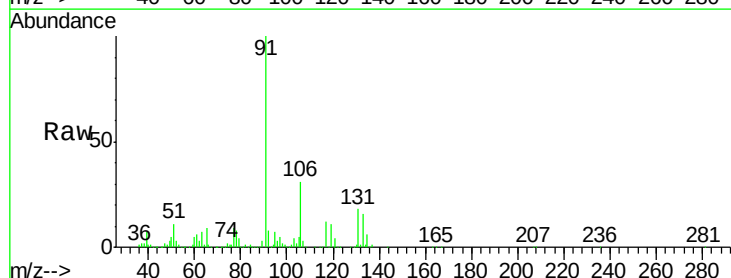
Tgt Ion:131 Resp: 123516

Ion Ratio Lower Upper

131 100

133 92.1 46.7 140.0

119 63.2 30.8 92.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

100000

80000

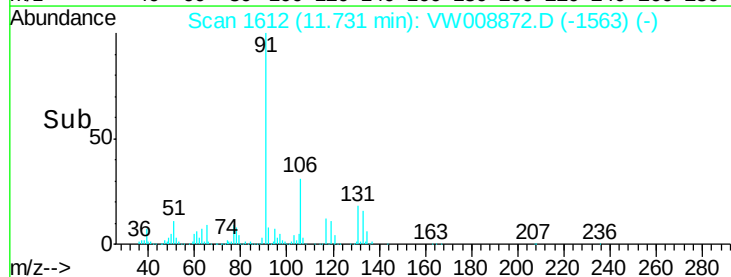
60000

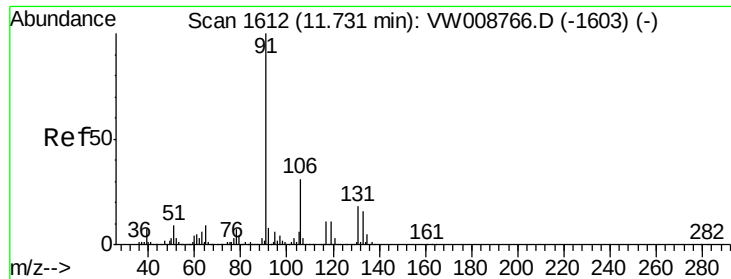
40000

20000

0

Time-->

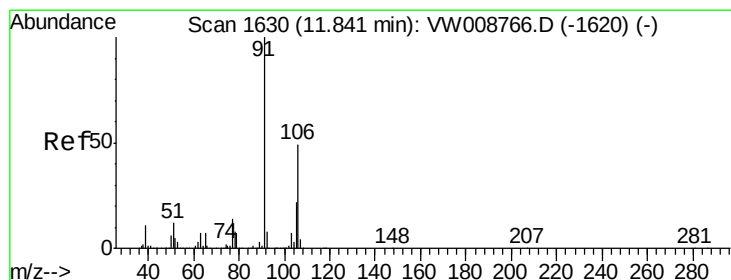
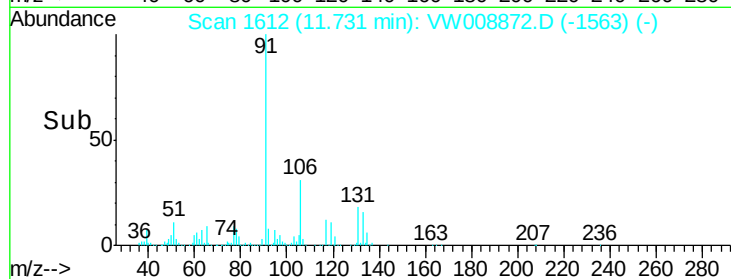
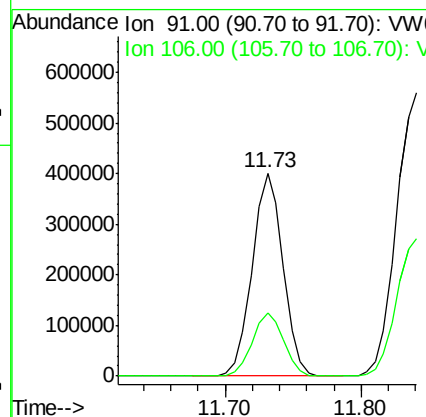
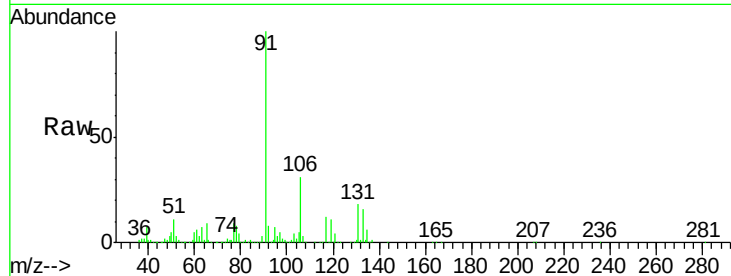




#67
Ethyl Benzene
Concen: 43.951 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

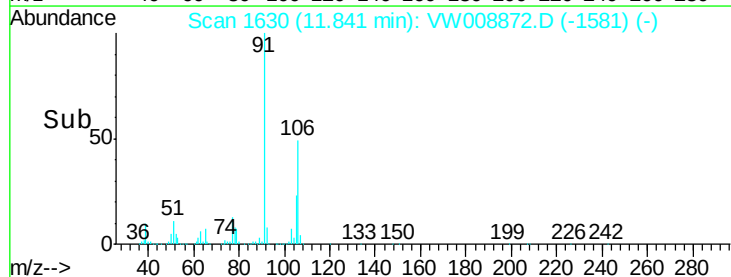
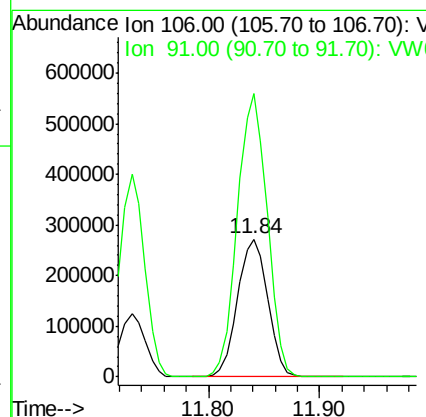
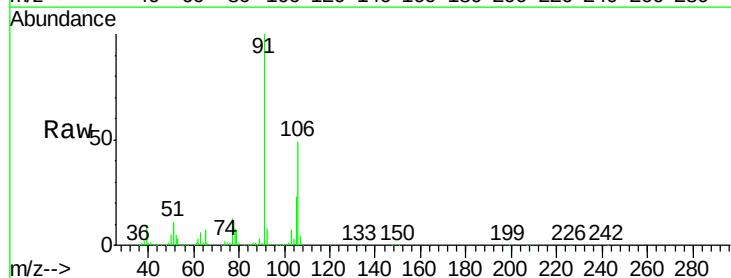
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

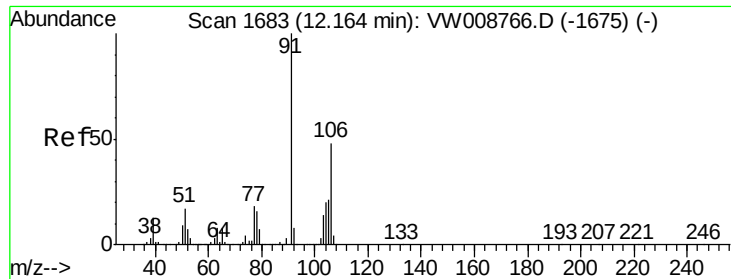
Tot Ion: 91 Resp: 635736
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 88.293 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion: 106 Resp: 510279
Ion Ratio Lower Upper
106 100
91 202.9 161.5 242.3

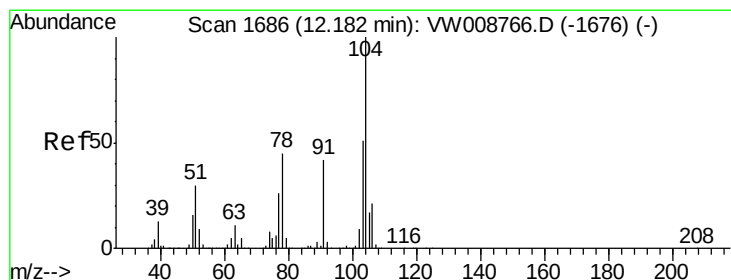
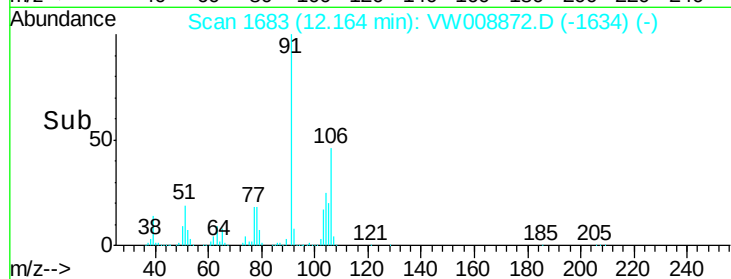
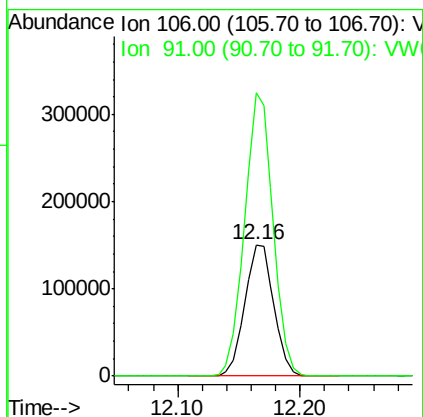
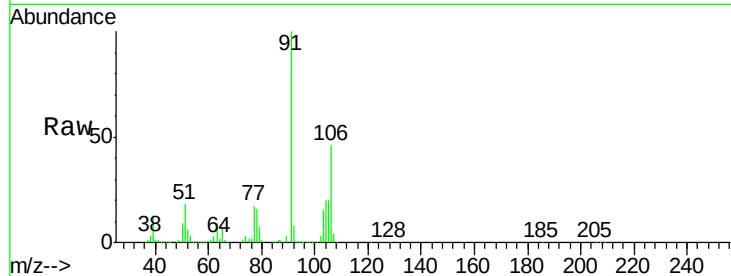




#69
o-Xylene
Concen: 45.594 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

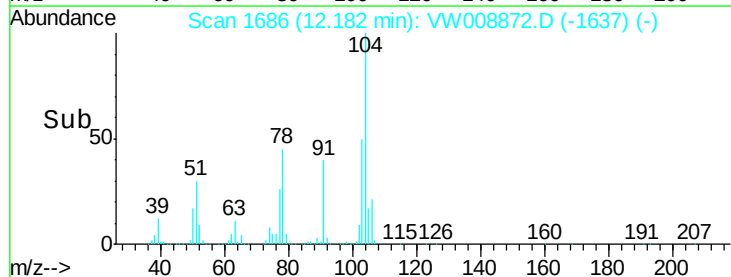
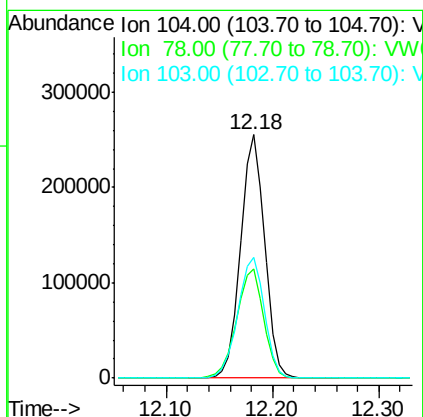
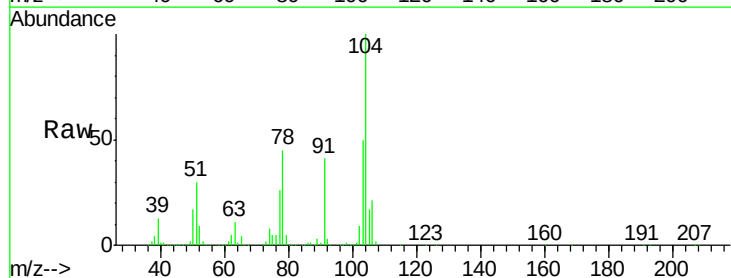
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

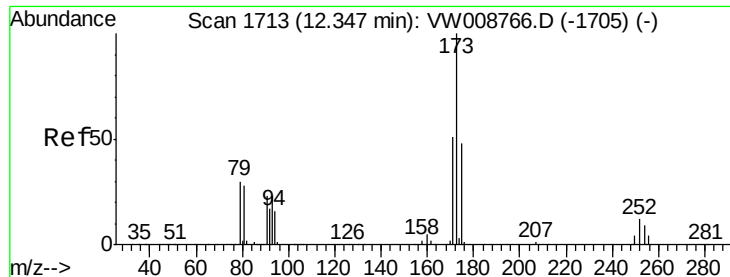
Tot Ion:106 Resp: 247330
Ion Ratio Lower Upper
106 100
91 211.3 106.2 318.6



#70
Styrene
Concen: 46.605 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008872.D
Acq: 28 Feb 2019 00:19

Tgt Ion:104 Resp: 406737
Ion Ratio Lower Upper
104 100
78 50.4 40.8 61.2
103 54.9 44.2 66.2





#71

Bromoform

Concen: 45.034 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

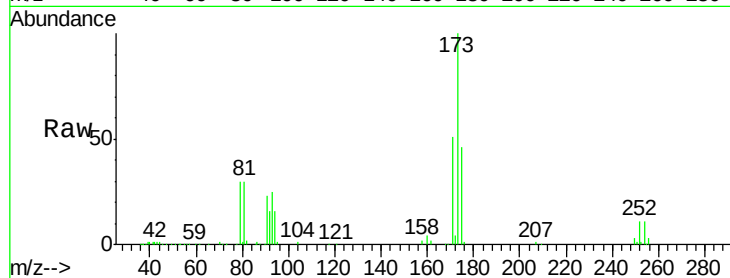
Tot Ion:173 Resp: 66228

Ion Ratio Lower Upper

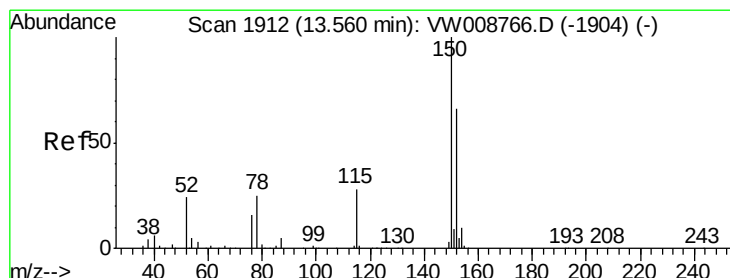
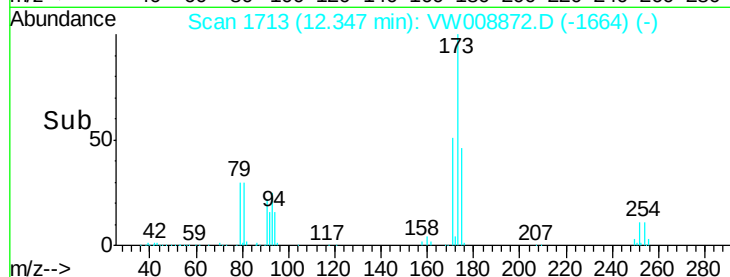
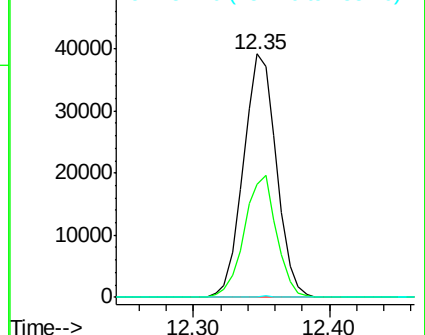
173 100

175 48.9 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: VW008872.D

Acq: 28 Feb 2019 00:19

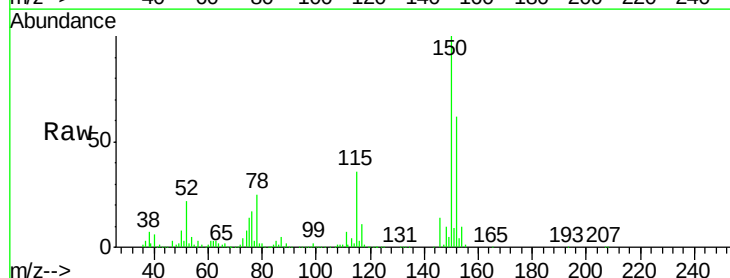
Tgt Ion:152 Resp: 212597

Ion Ratio Lower Upper

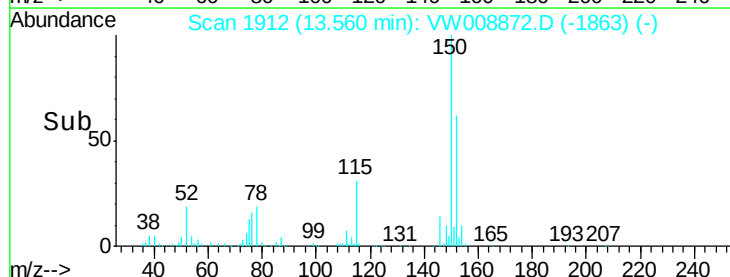
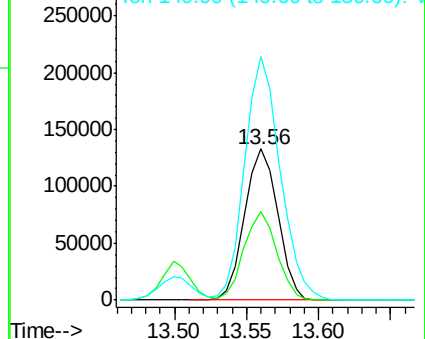
152 100

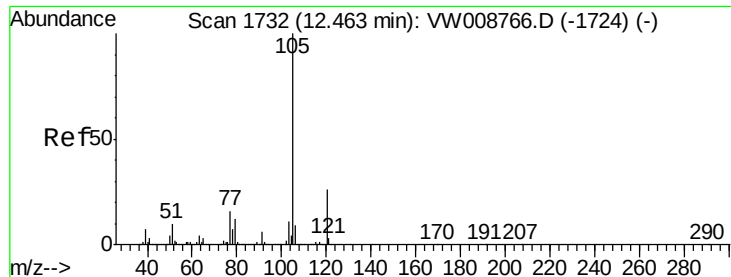
115 57.6 28.6 85.8

150 172.5 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: 44.294 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

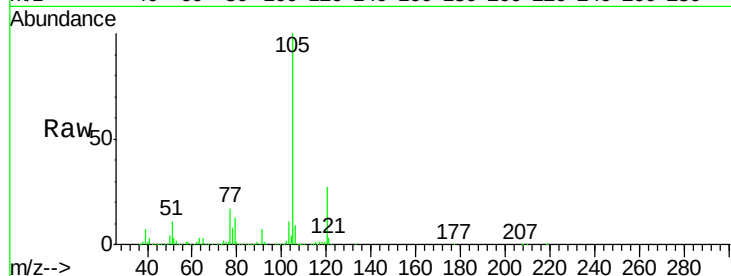
VSTDCCC050

Tot Ion:105 Resp: 645563

Ion Ratio Lower Upper

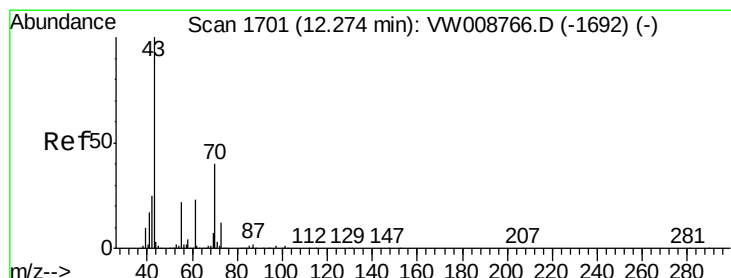
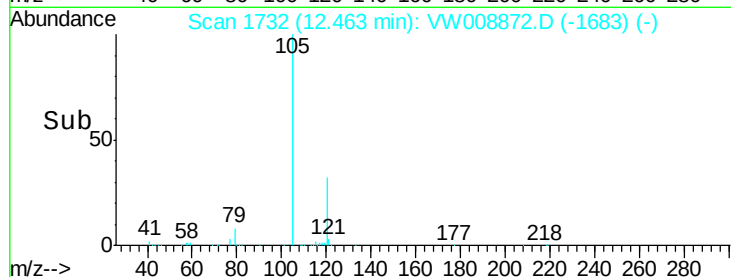
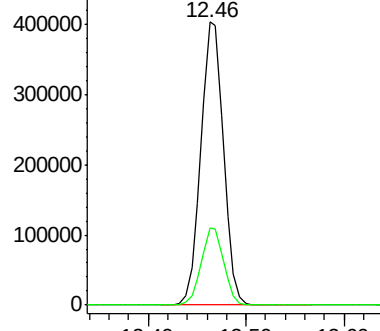
105 100

120 27.1 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: 47.553 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Tgt Ion: 43 Resp: 174577

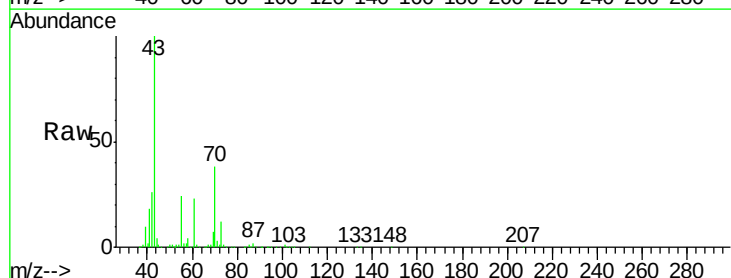
Ion Ratio Lower Upper

43 100

70 39.5 31.0 46.6

55 23.2 18.7 28.1

61 22.2 18.1 27.1

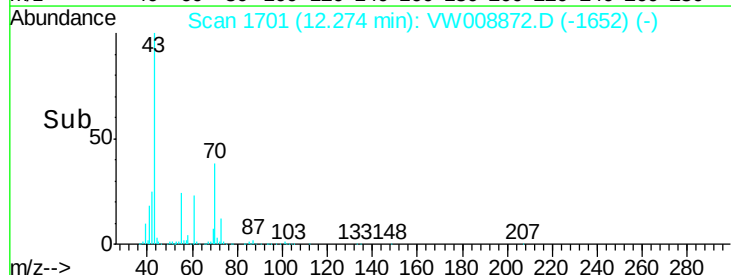
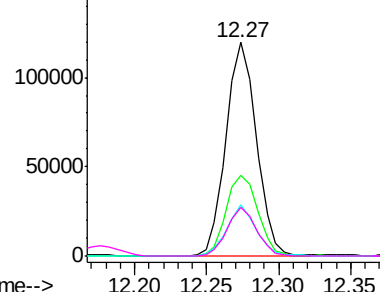


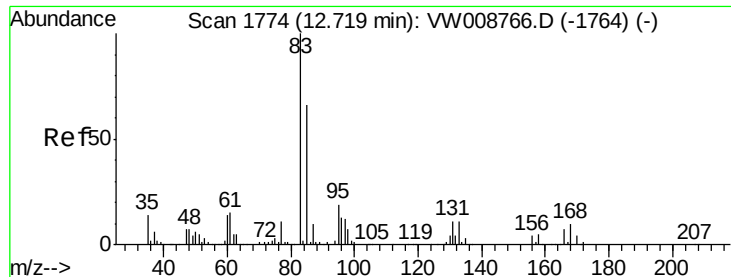
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 46.320 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

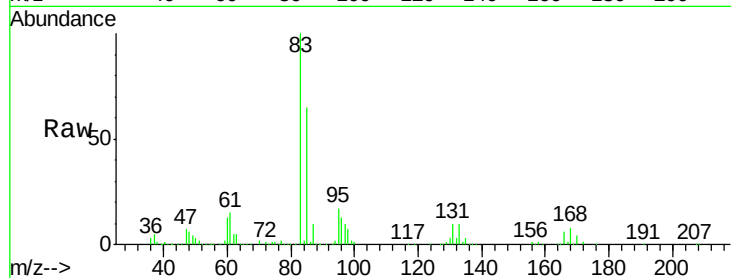
Tot Ion: 83 Resp: 110306

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

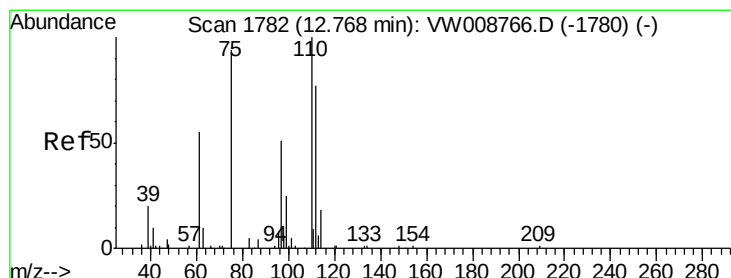
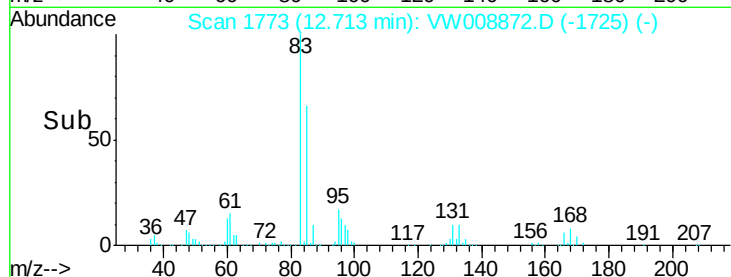
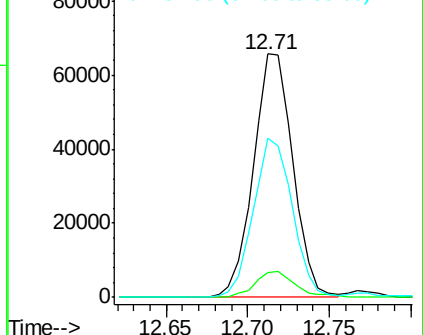
85 64.6 33.0 98.9



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: 85.666 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008872.D

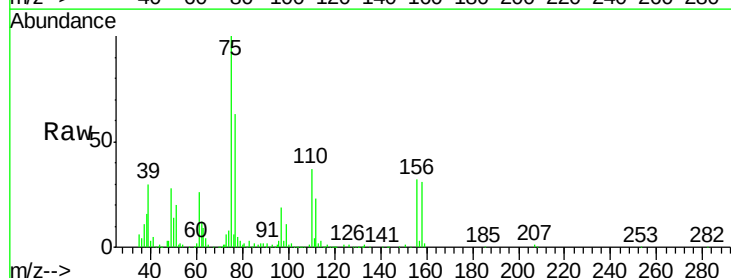
Acq: 28 Feb 2019 00:19

Tgt Ion: 75 Resp: 150367

Ion Ratio Lower Upper

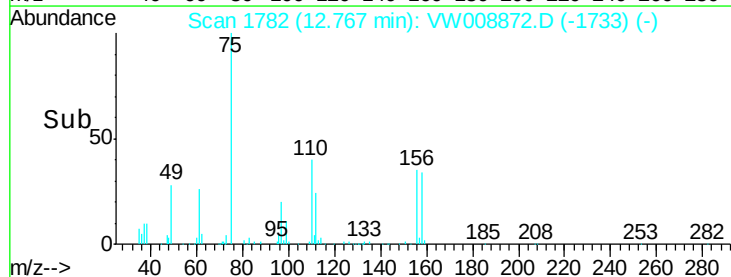
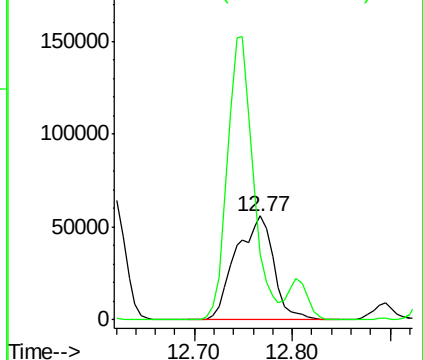
75 100

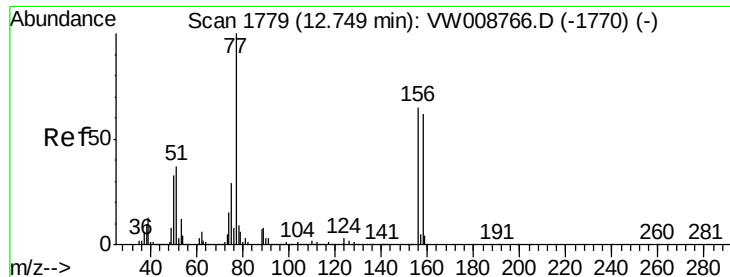
77 186.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 46.118 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

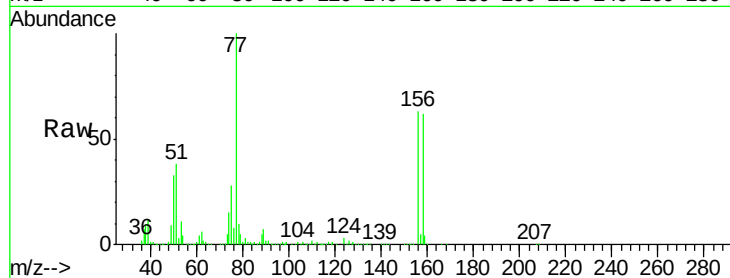
Tot Ion:156 Resp: 158835

Ion Ratio Lower Upper

156 100

77 176.6 89.1 267.4

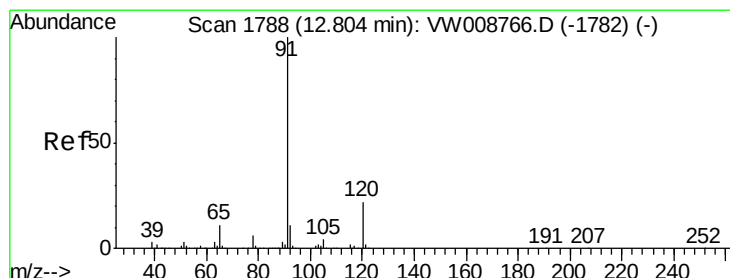
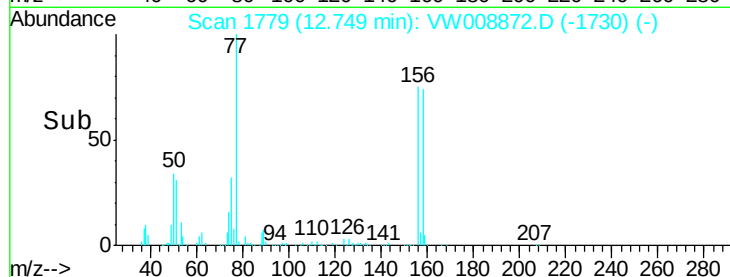
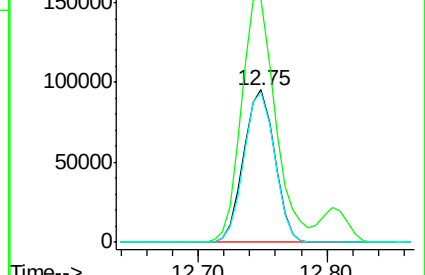
158 97.8 49.2 147.6



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: 44.352 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008872.D

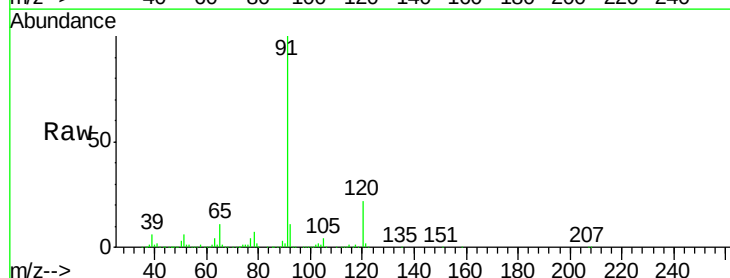
Acq: 28 Feb 2019 00:19

Tgt Ion: 91 Resp: 790709

Ion Ratio Lower Upper

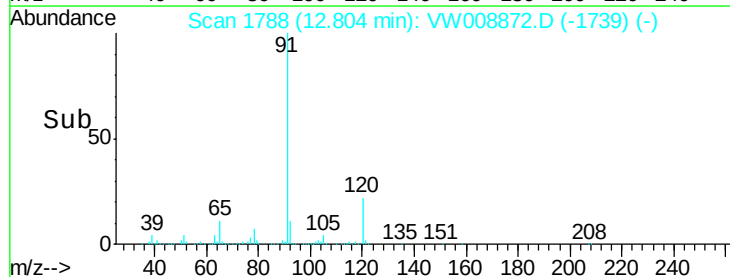
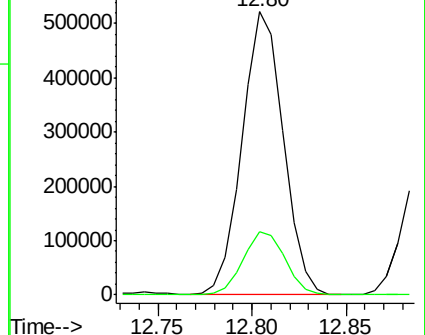
91 100

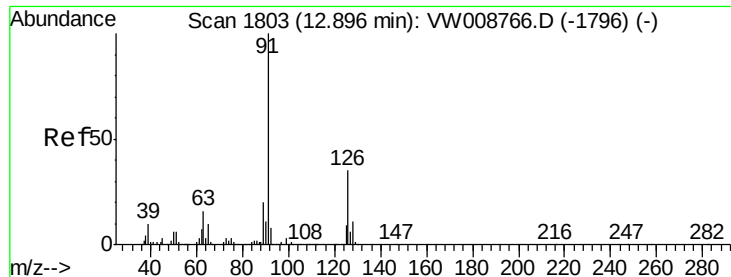
120 22.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.044 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

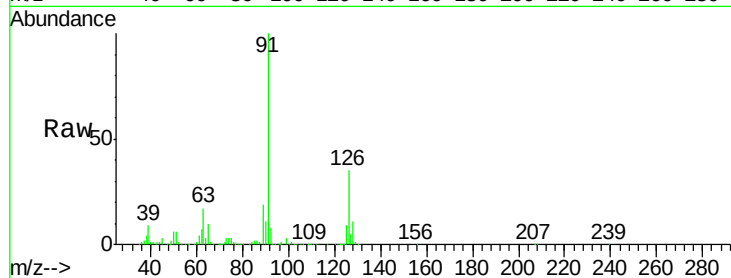
VSTDCCC050

Tot Ion: 91 Resp: 455933

Ion Ratio Lower Upper

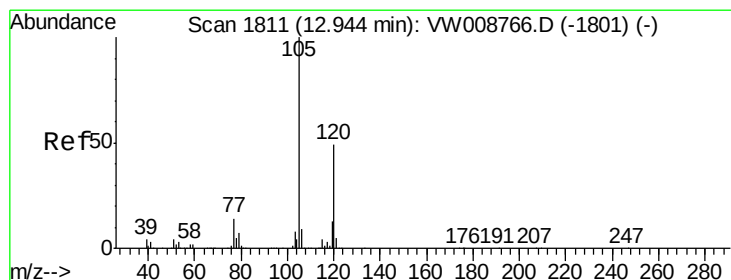
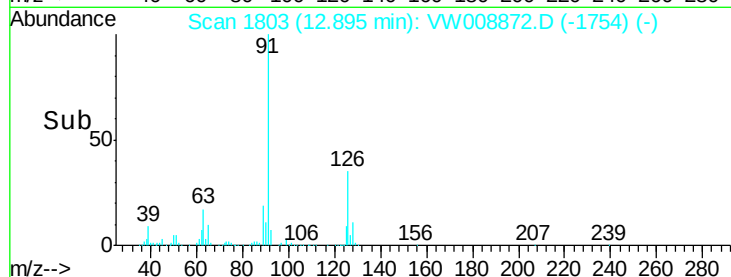
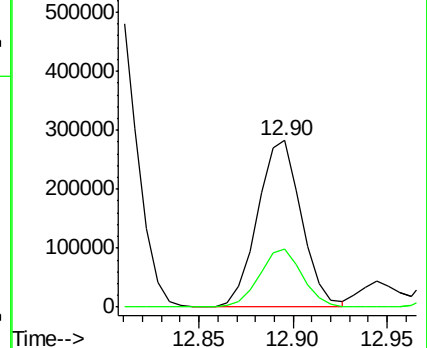
91 100

126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 45.054 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008872.D

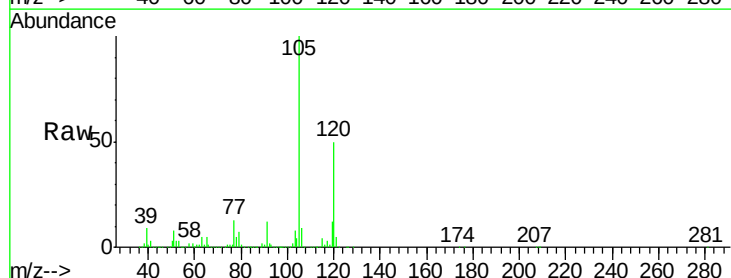
Acq: 28 Feb 2019 00:19

Tgt Ion: 105 Resp: 570624

Ion Ratio Lower Upper

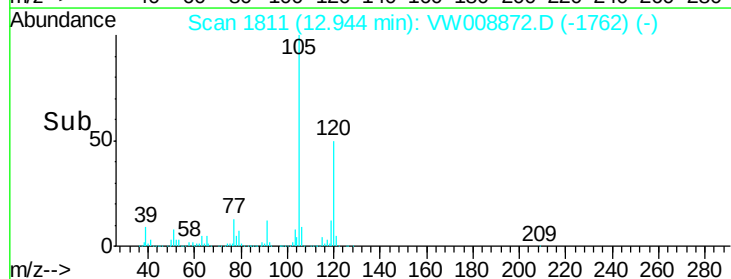
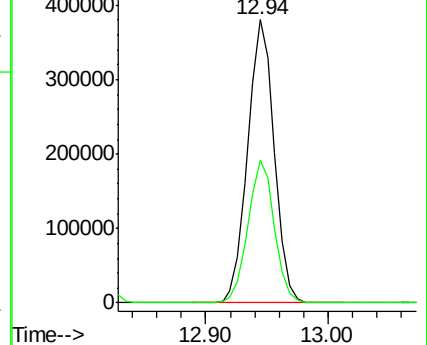
105 100

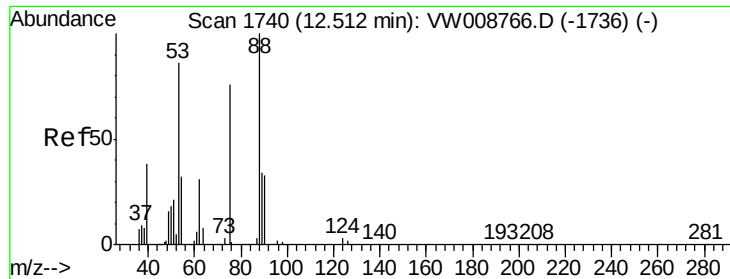
120 50.0 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 41.179 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

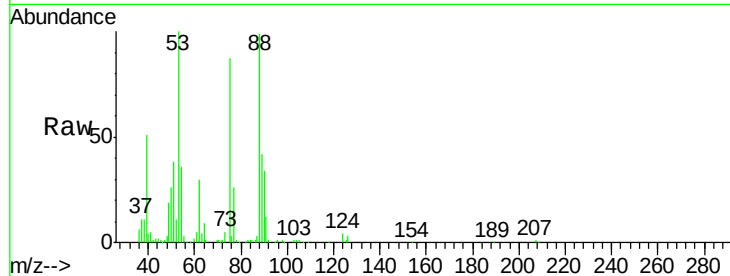
Tot Ion: 75 Resp: 29732

Ion Ratio Lower Upper

75 100

53 115.9 88.2 132.2

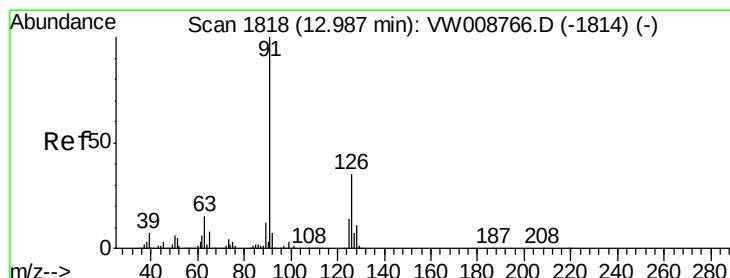
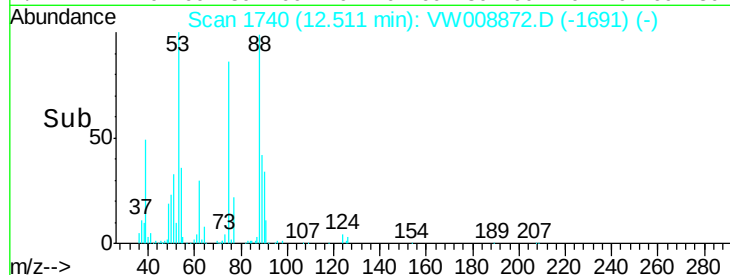
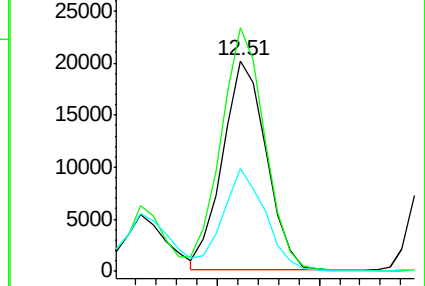
89 48.4 39.5 59.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 44.754 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW008872.D

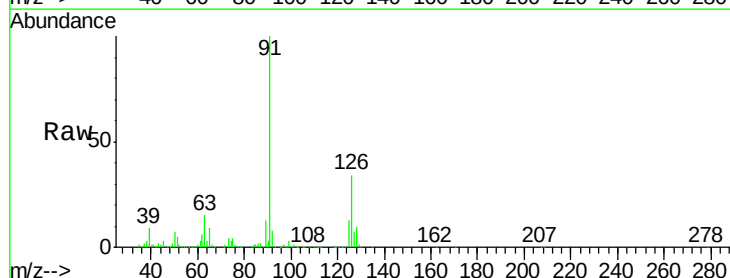
Acq: 28 Feb 2019 00:19

Tgt Ion: 91 Resp: 477363

Ion Ratio Lower Upper

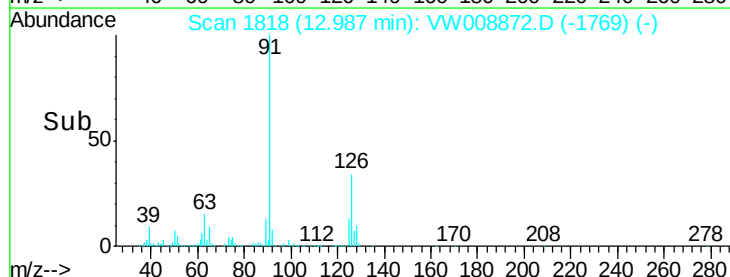
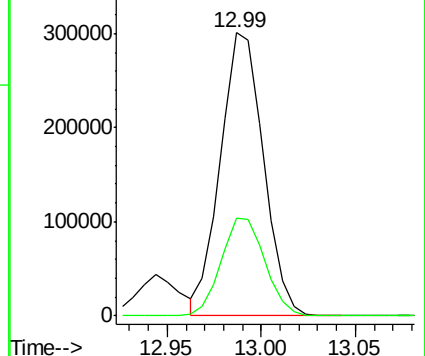
91 100

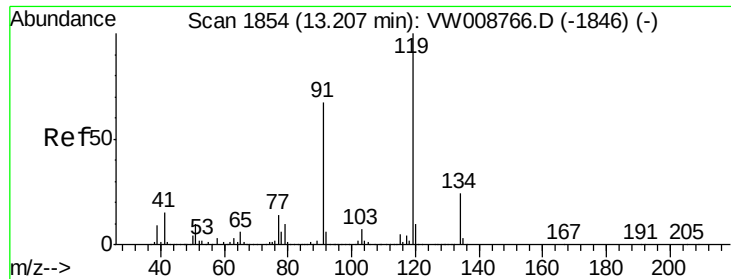
126 35.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 45.279 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

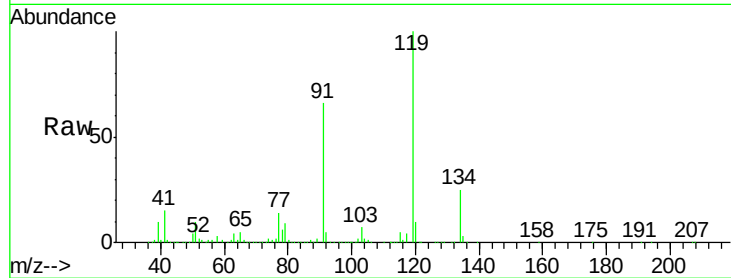
Tot Ion:119 Resp: 495870

Ion Ratio Lower Upper

119 100

91 65.6 33.6 100.8

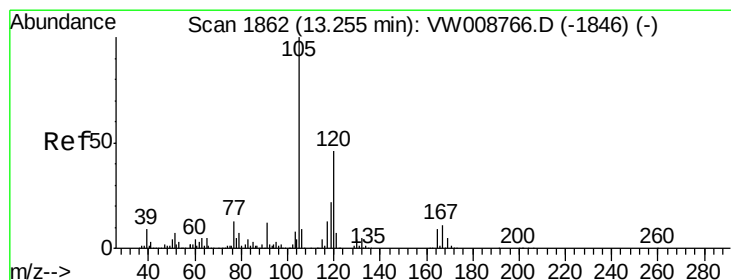
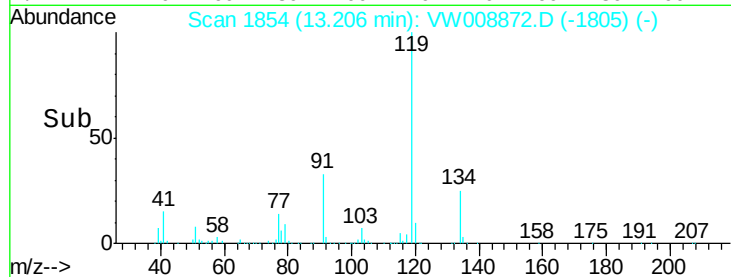
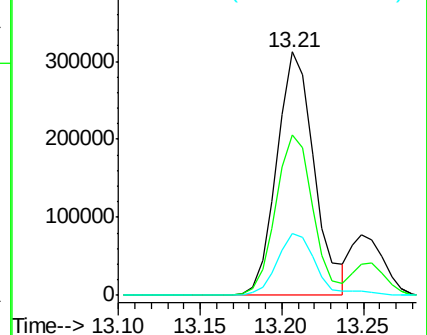
134 26.6 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 45.538 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008872.D

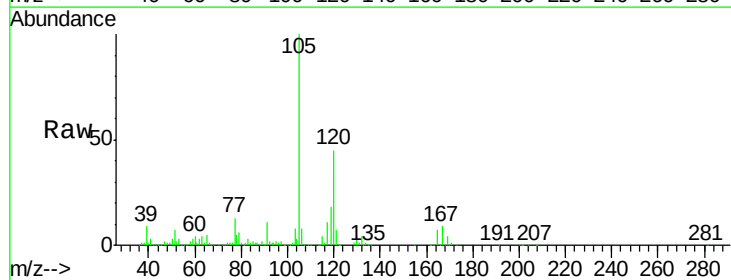
Acq: 28 Feb 2019 00:19

Tgt Ion:105 Resp: 597042

Ion Ratio Lower Upper

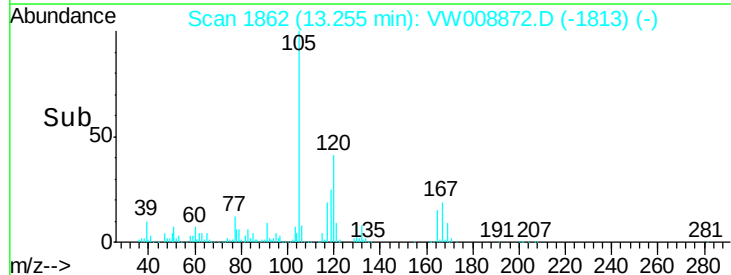
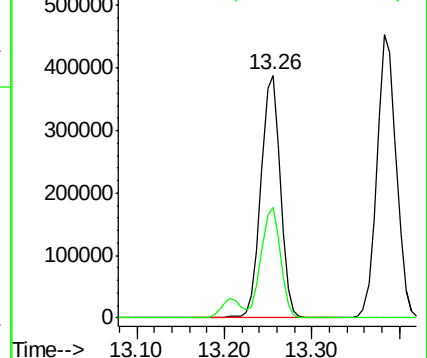
105 100

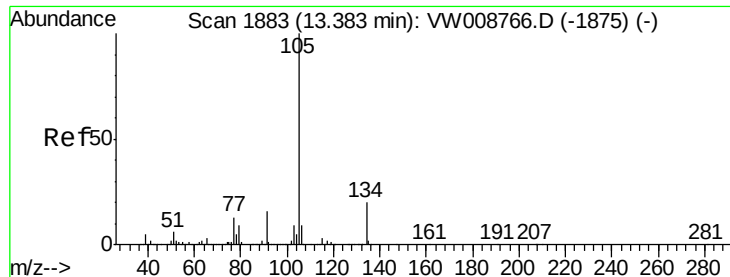
120 45.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 44.315 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampled :

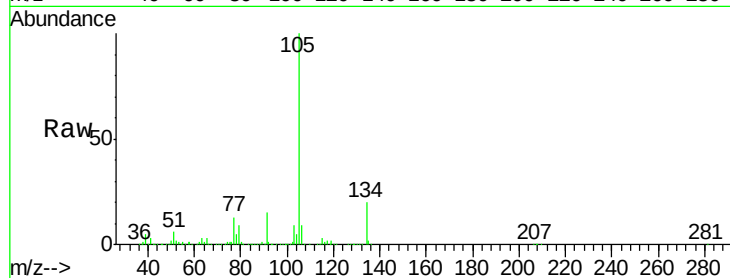
VSTDCCC050

Tot Ion:105 Resp: 697820

Ion Ratio Lower Upper

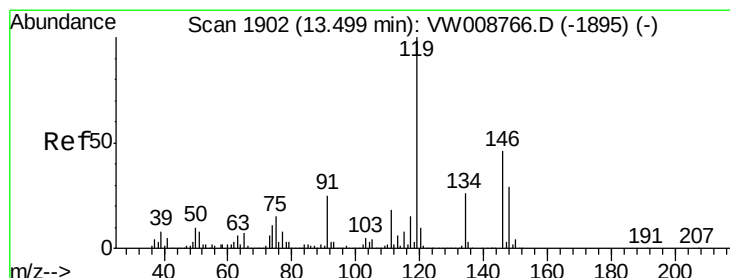
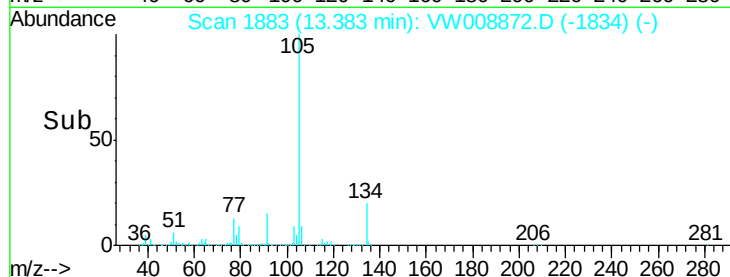
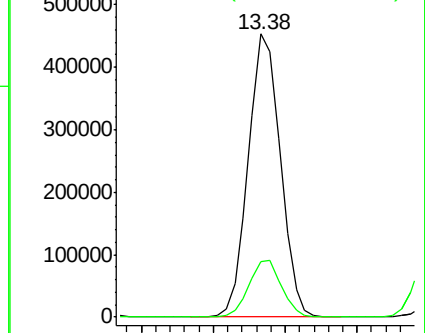
105 100

134 20.2 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 43.661 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

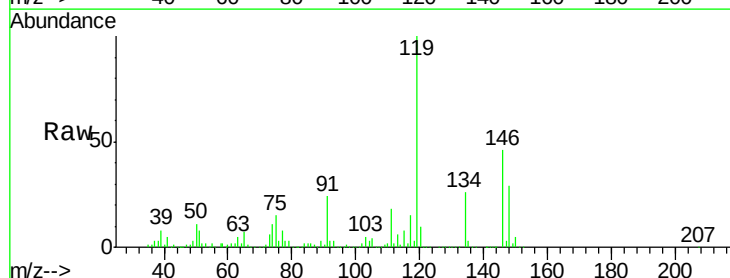
Tgt Ion:119 Resp: 630281

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

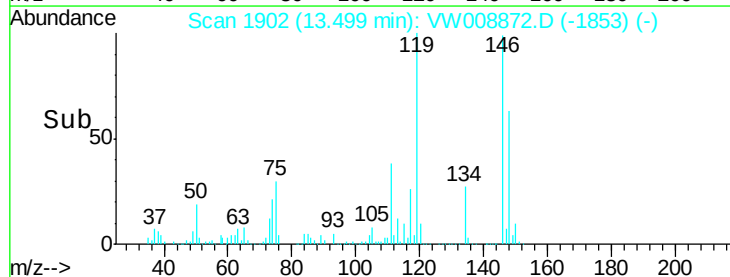
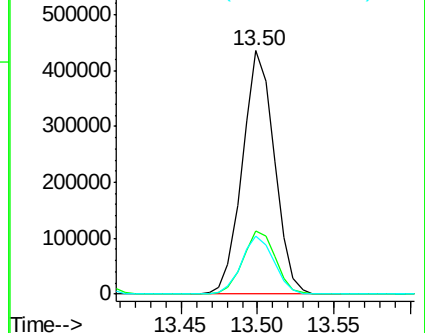
91 24.3 12.1 36.3

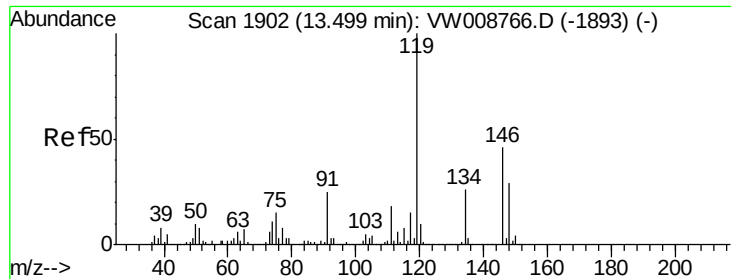


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.948 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

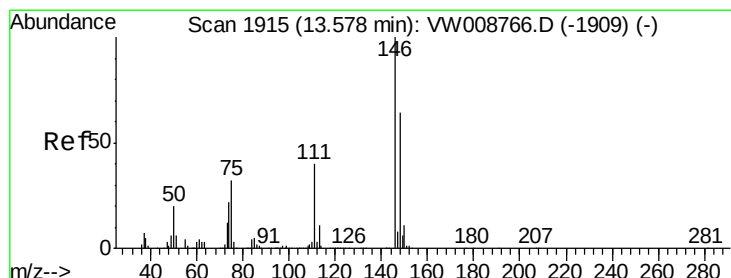
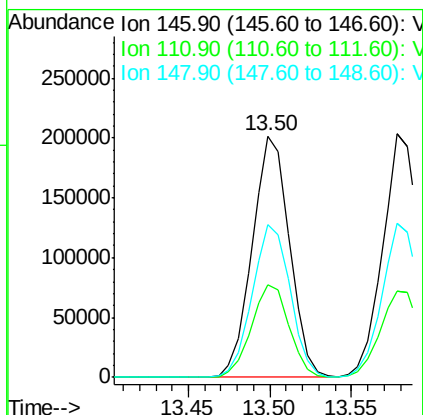
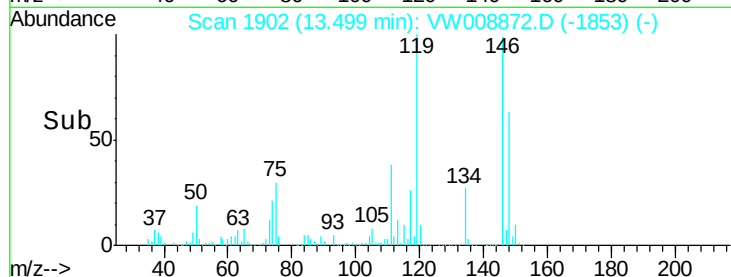
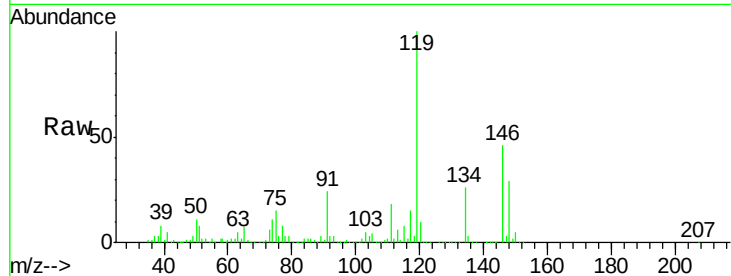
Tot Ion:146 Resp: 321180

Ion Ratio Lower Upper

146 100

111 39.0 19.9 59.7

148 64.2 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 45.435 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

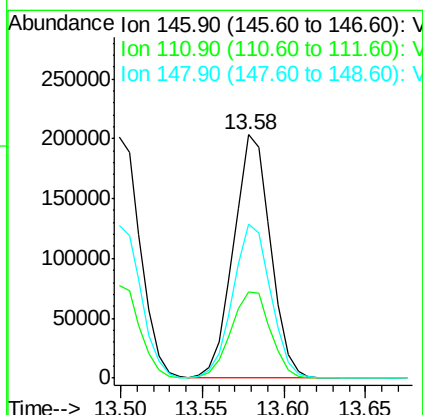
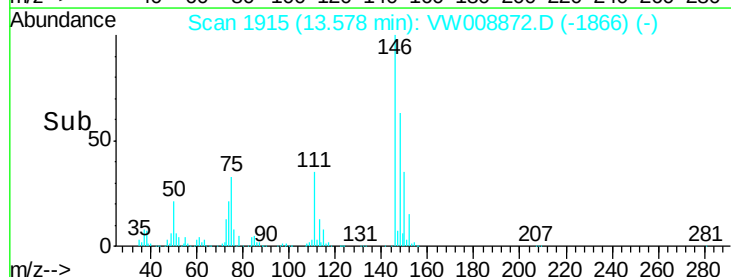
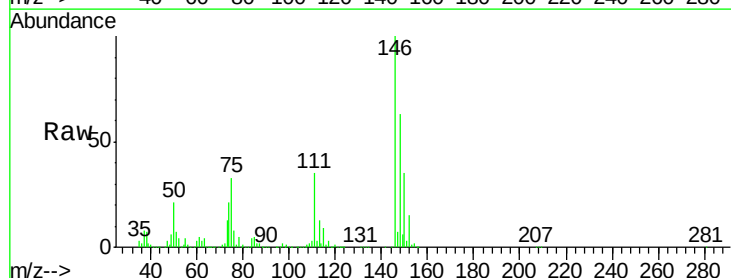
Tgt Ion:146 Resp: 319980

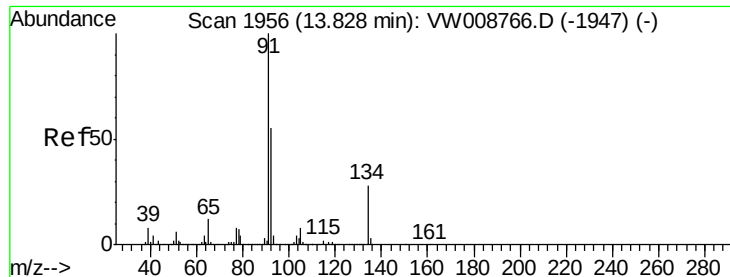
Ion Ratio Lower Upper

146 100

111 38.2 19.3 57.9

148 64.9 31.9 95.9





#89

n-Butylbenzene

Concen: 43.465 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

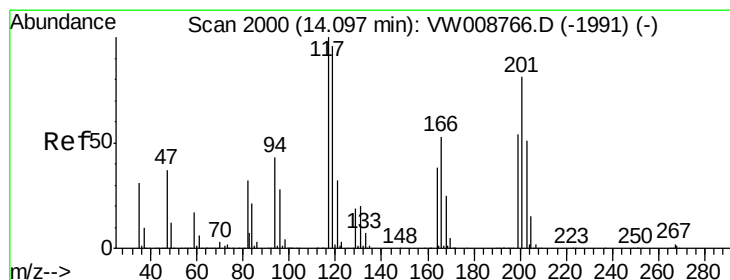
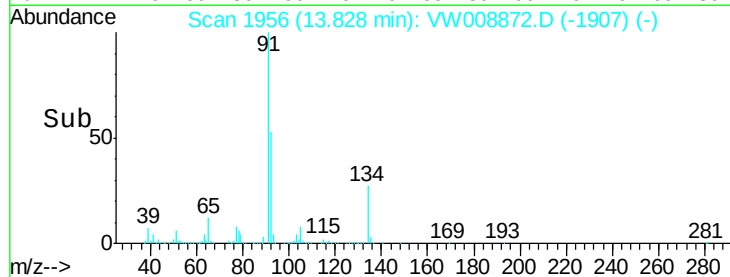
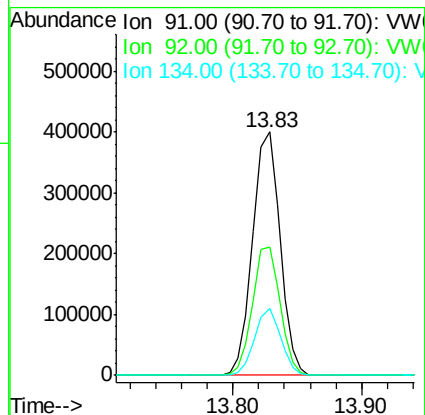
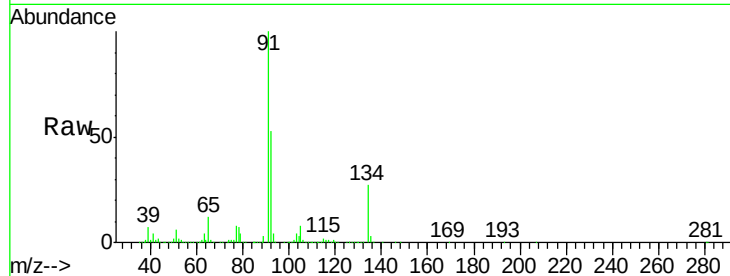
Tot Ion: 91 Resp: 587827

Ion Ratio Lower Upper

91 100

92 53.2 26.8 80.4

134 26.2 13.5 40.4



#90

Hexachloroethane

Concen: 44.892 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008872.D

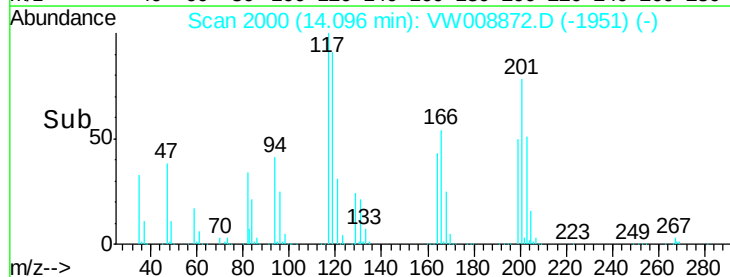
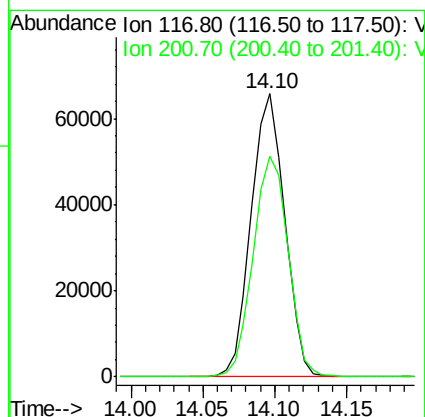
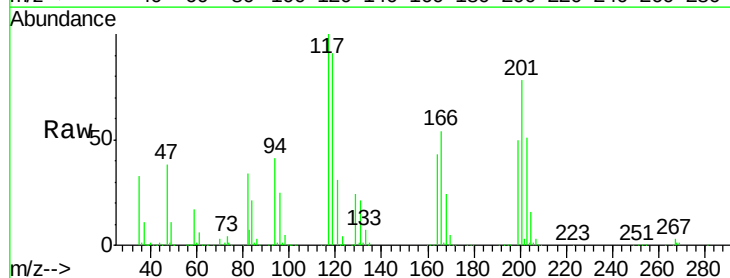
Acq: 28 Feb 2019 00:19

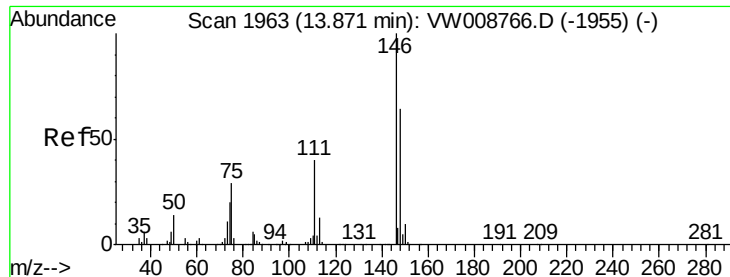
Tgt Ion: 117 Resp: 106090

Ion Ratio Lower Upper

117 100

201 81.1 40.3 120.8

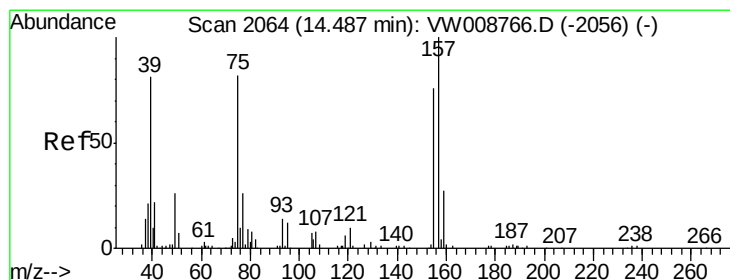
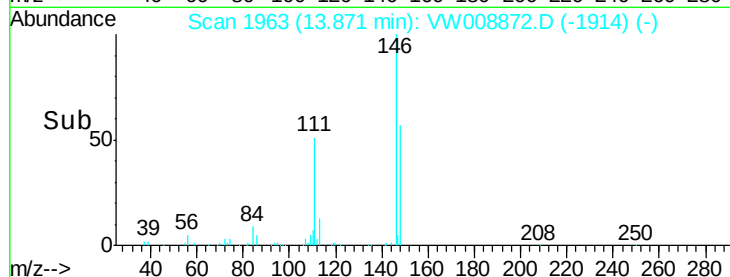
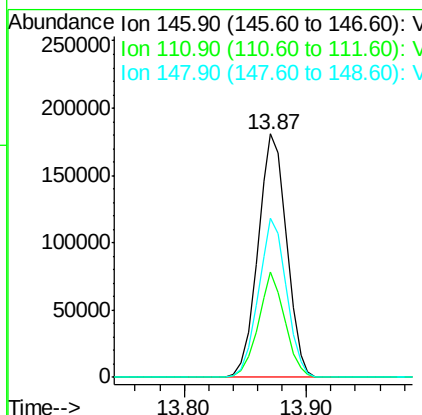
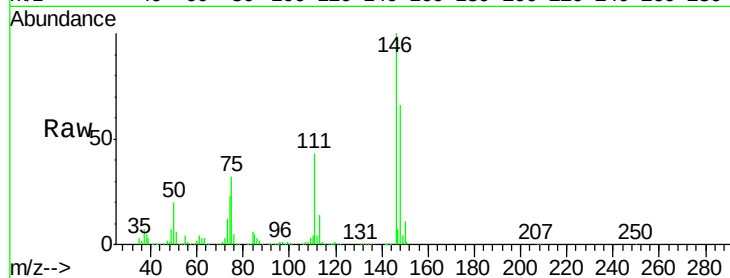




#91
 1,2-Dichlorobenzene
 Concen: 46.353 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

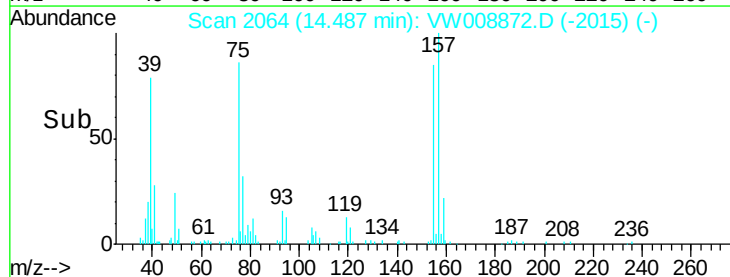
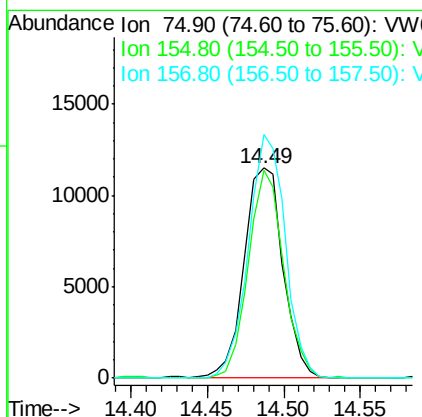
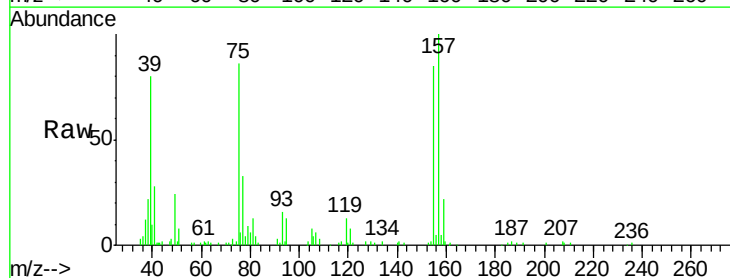
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

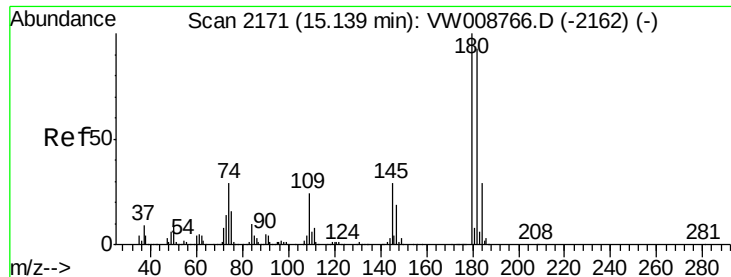
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	63.7	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.423 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.2	41.8	125.4
157	109.7	56.6	169.9

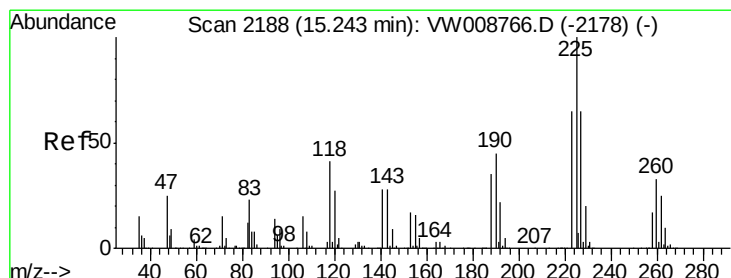
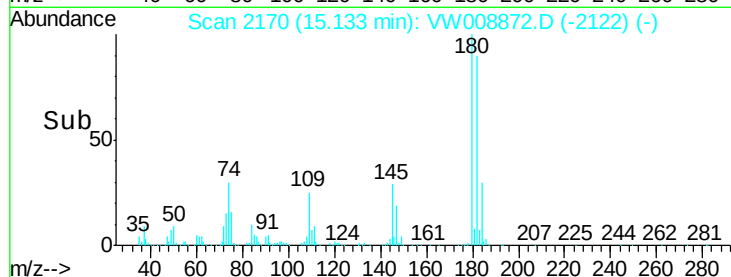
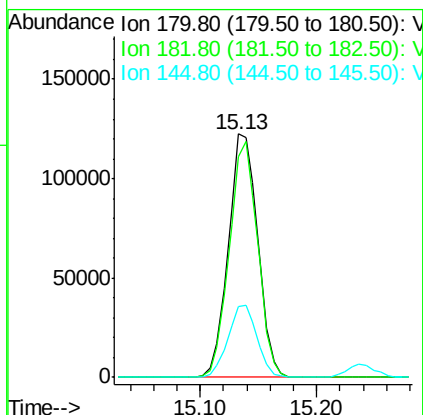
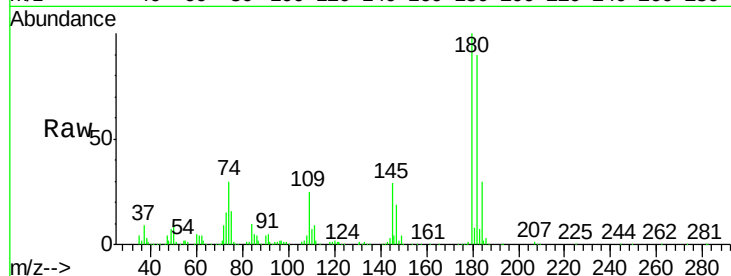




#93
 1,2,4-Trichlorobenzene
 Concen: 46.944 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

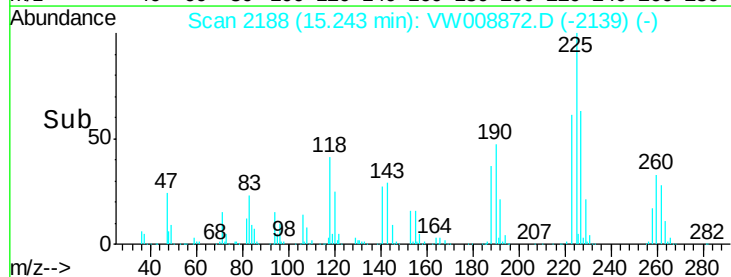
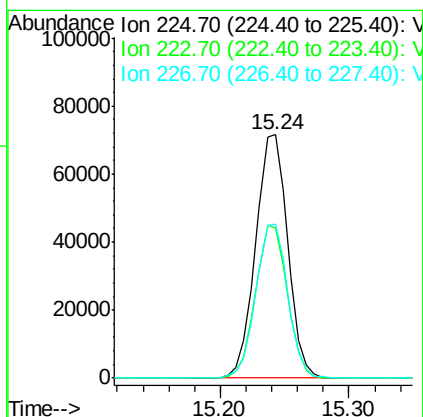
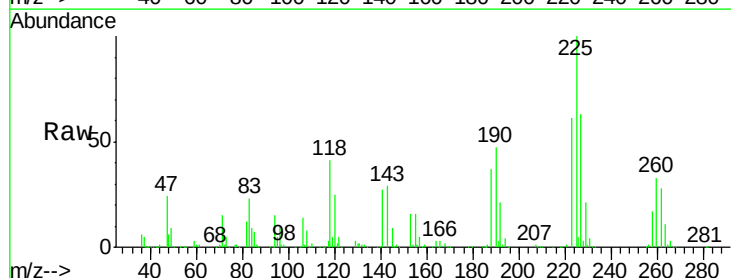
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

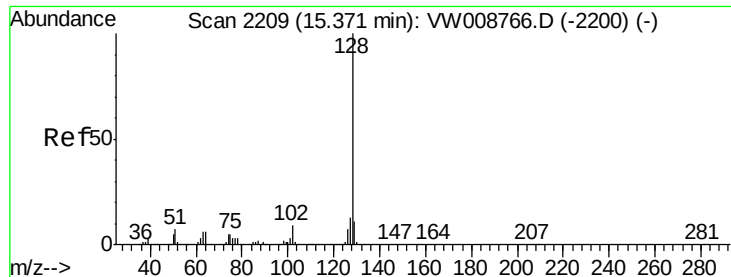
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.2	141.6
145	29.3	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 45.377 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008872.D
 Acq: 28 Feb 2019 00:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.5	94.5
227	62.8	31.6	94.8





#95

Naphthalene

Concen: 50.050 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

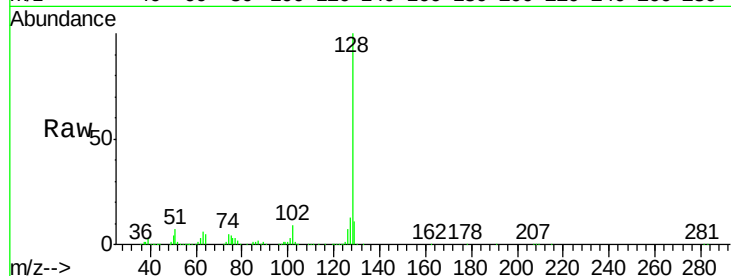
Tot Ion:128 Resp: 390926

Ion Ratio Lower Upper

128 100

127 13.9 10.8 16.2

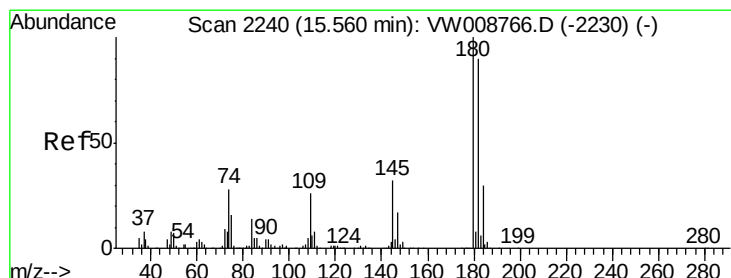
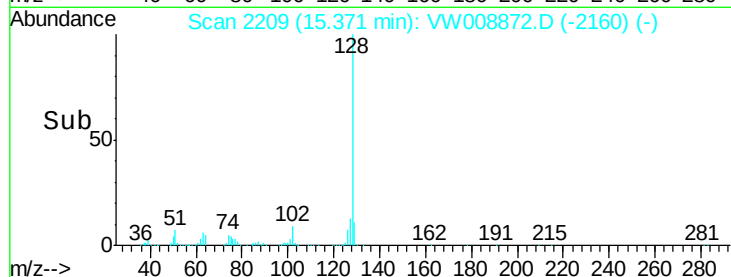
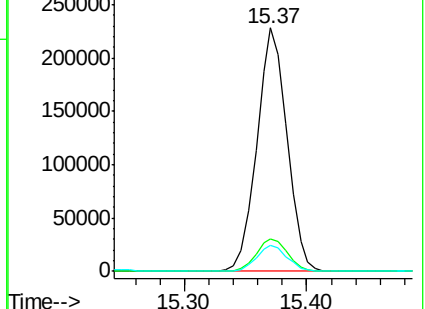
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.656 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008872.D

Acq: 28 Feb 2019 00:19

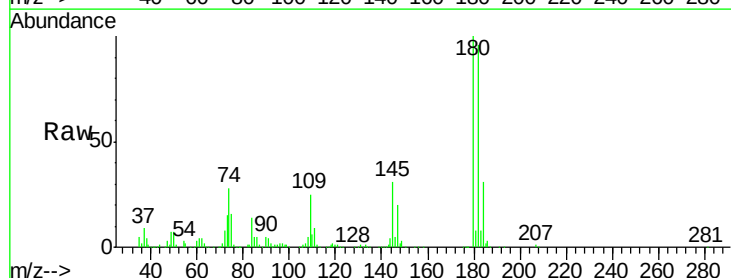
Tgt Ion:180 Resp: 192993

Ion Ratio Lower Upper

180 100

182 94.6 46.9 140.8

145 31.8 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

