

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008903.D
 Acq On : 28 Feb 2019 23:32
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 01 06:04:28 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	273741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217197	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	126991	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.88	113	115866	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.32	98	468619	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.62	95	182962	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	131953	48.128	ug/l	99
3) Chloromethane	2.21	50	169684	50.843	ug/l	99
4) Vinyl Chloride	2.35	62	174885	49.492	ug/l	100
5) Bromomethane	2.75	94	136079	51.848	ug/l	98
6) Chloroethane	2.91	64	125860	50.159	ug/l	99
7) Trichlorofluoromethane	3.26	101	215632	48.250	ug/l	95
8) Diethyl Ether	3.68	74	67503	47.709	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	128349	47.293	ug/l	98
10) Methyl Iodide	4.27	142	155639	45.861	ug/l	100
11) Tert butyl alcohol	5.17	59	57738	252.604	ug/l	100
12) 1,1-Dichloroethene	4.04	96	115704	48.275	ug/l	98
13) Acrolein	3.90	56	59291	246.249	ug/l	100
14) Allyl chloride	4.67	41	209803	50.718	ug/l	98
15) Acrylonitrile	5.37	53	169958	279.896	ug/l	98
16) Acetone	4.12	43	142554	239.541	ug/l	99
17) Carbon Disulfide	4.38	76	388093	48.803	ug/l	98
18) Methyl Acetate	4.67	43	79072	56.018	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	331959	51.170	ug/l	100
20) Methylene Chloride	4.92	84	150463	51.475	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	137071	49.440	ug/l	93
22) Diisopropyl ether	6.31	45	430826	52.209	ug/l	95
23) Vinyl Acetate	6.26	43	1329789	260.822	ug/l	99
24) 1,1-Dichloroethane	6.21	63	244210	51.071	ug/l	99
25) 2-Butanone	7.17	43	219701	264.062	ug/l	98
26) 2,2-Dichloropropane	7.16	77	195359	45.001	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	150300	50.680	ug/l	98
28) Bromochloromethane	7.51	49	103206	51.577	ug/l	98
29) Tetrahydrofuran	7.52	42	145736	274.863	ug/l	99
30) Chloroform	7.68	83	250271	51.018	ug/l	99
31) Cyclohexane	7.95	56	229314	47.376	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	222623	49.903	ug/l	98
36) 1,1-Dichloropropene	8.08	75	194178	49.659	ug/l	99
37) Ethyl Acetate	7.25	43	100286	55.153	ug/l	97
38) Carbon Tetrachloride	8.07	117	203088	49.249	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	238101	48.818	ug/l	97
40) Benzene	8.32	78	554061	51.897	ug/l	98
41) Methacrylonitrile	7.48	41	56779	53.123	ug/l	93
42) 1,2-Dichloroethane	8.40	62	174554	51.614	ug/l	99
43) Isopropyl Acetate	8.43	43	189279	52.157	ug/l	99
44) Trichloroethene	9.09	130	151137	50.253	ug/l	97
45) 1,2-Dichloropropane	9.37	63	136412	51.706	ug/l	96
46) Dibromomethane	9.46	93	75187	51.236	ug/l	98
47) Bromodichloromethane	9.65	83	185547	51.968	ug/l	99
48) Methyl methacrylate	9.43	41	89466	51.473	ug/l	94
49) 1,4-Dioxane	9.44	88	28162	1198.371	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	518678	281.514	ug/l	100
52) Toluene	10.39	92	383888	52.982	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185179	50.885	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	213530	51.446	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	106934	53.732	ug/l	94
56) Ethyl methacrylate	10.65	69	146605	56.701	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185615	52.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	351858	270.574	ug/l	99
59) 2-Hexanone	10.97	43	366826	279.691	ug/l	97
60) Dibromochloromethane	11.13	129	127695	52.605	ug/l	99
61) 1,2-Dibromoethane	11.24	107	104737	53.168	ug/l	98
64) Tetrachloroethene	10.86	164	152513	53.661	ug/l	98
65) Chlorobenzene	11.66	112	428668	51.345	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	140292	49.697	ug/l	99
67) Ethyl Benzene	11.73	91	769863	51.583	ug/l	100
68) m/p-Xylenes	11.84	106	610949	102.453	ug/l	99
69) o-Xylene	12.17	106	290552	51.911	ug/l	100
70) Styrene	12.18	104	471707	52.383	ug/l	99
71) Bromoform	12.35	173	76794	50.608	ug/l #	98
73) Isopropylbenzene	12.46	105	783553	52.624	ug/l	100
74) N-amyl acetate	12.27	43	208353	55.552	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	127131	52.254	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	174131	97.104	ug/l #	100
77) Bromobenzene	12.75	156	184589	52.461	ug/l	99
78) n-propylbenzene	12.80	91	951465	52.239	ug/l	100
79) 2-Chlorotoluene	12.90	91	541238	52.339	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	676686	52.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36479	49.454	ug/l	97
82) 4-Chlorotoluene	12.99	91	567238	52.053	ug/l	100
83) tert-Butylbenzene	13.21	119	596543	53.319	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	693503	51.775	ug/l	100
85) sec-Butylbenzene	13.38	105	846505	52.618	ug/l	100
86) p-Isopropyltoluene	13.50	119	763681	51.782	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	376473	51.570	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	373819	51.955	ug/l	99
89) n-Butylbenzene	13.83	91	720357	52.137	ug/l	99
90) Hexachloroethane	14.10	117	128557	53.247	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	340302	52.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25183	57.221	ug/l	96

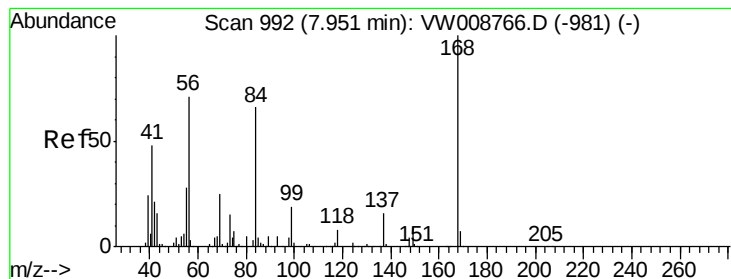
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	249565	53.249	ug/l	98
94) Hexachlorobutadiene	15.24	225	150237	54.421	ug/l	99
95) Naphthalene	15.37	128	444012	55.642	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	215690	53.227	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

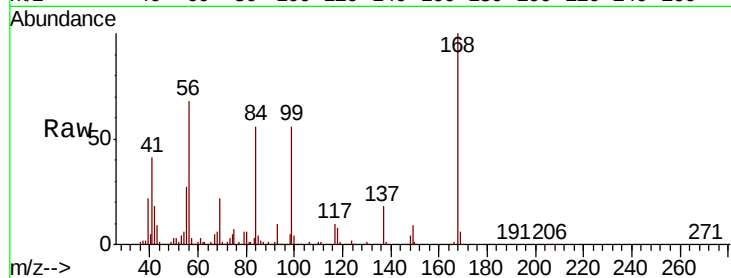
VSTDCCC050

Tot Ion:168 Resp: 273741

Ion Ratio Lower Upper

168 100

99 55.8 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

150000

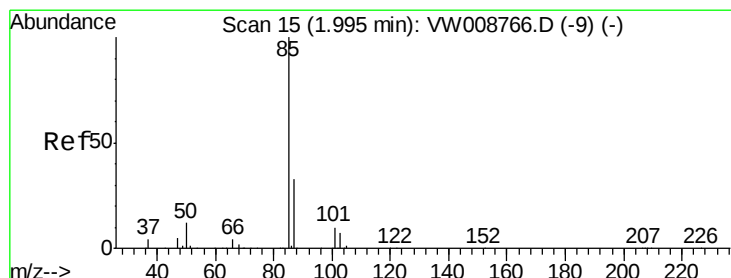
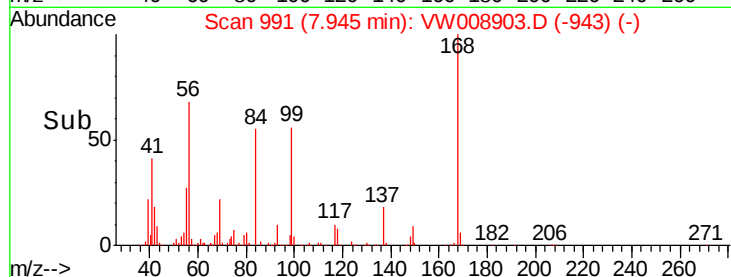
100000

50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.128 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008903.D

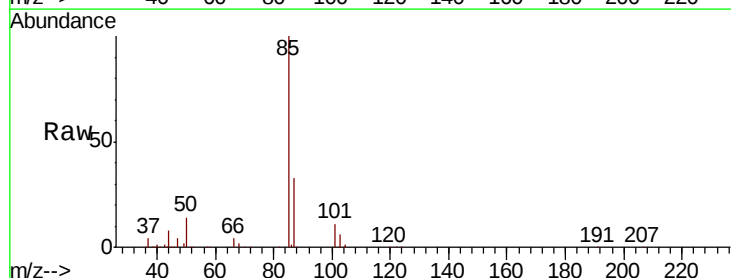
Acq: 28 Feb 2019 23:32

Tgt Ion: 85 Resp: 131953

Ion Ratio Lower Upper

85 100

87 33.2 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

100000

80000

60000

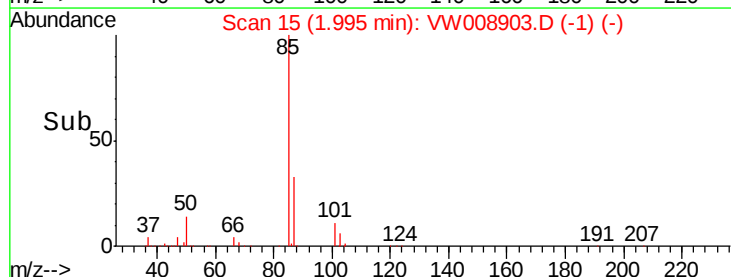
40000

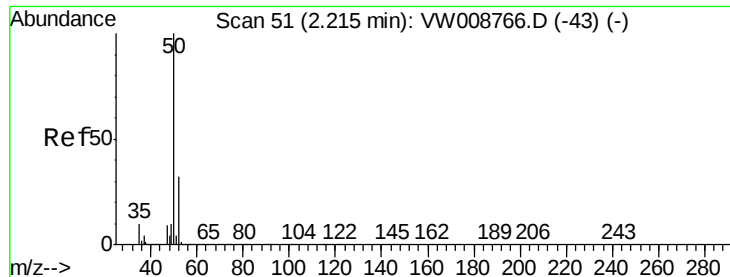
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 50.843 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

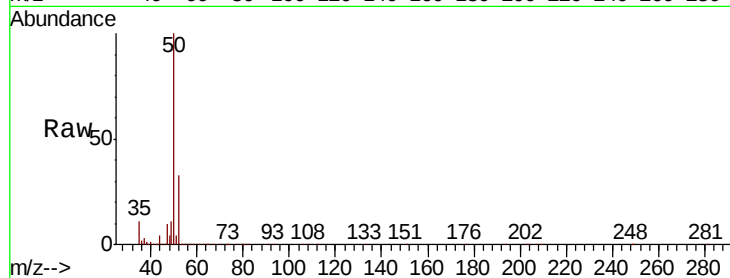
VSTDCCC050

Tot Ion: 50 Resp: 169684

Ion Ratio Lower Upper

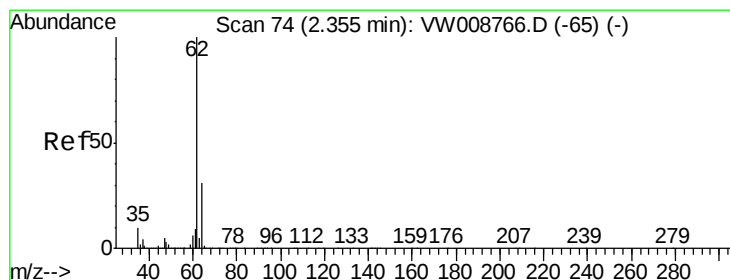
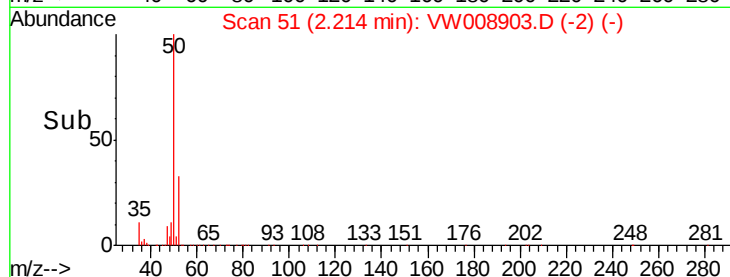
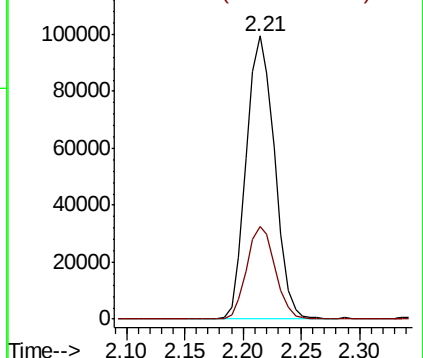
50 100

52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 49.492 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008903.D

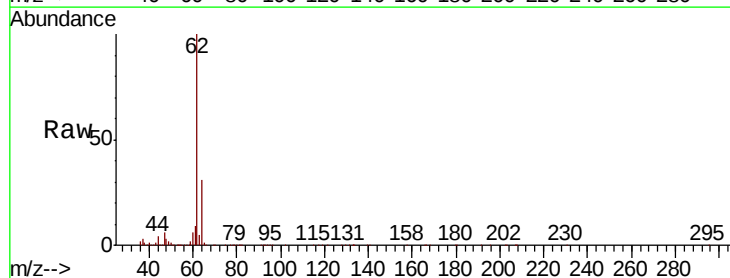
Acq: 28 Feb 2019 23:32

Tgt Ion: 62 Resp: 174885

Ion Ratio Lower Upper

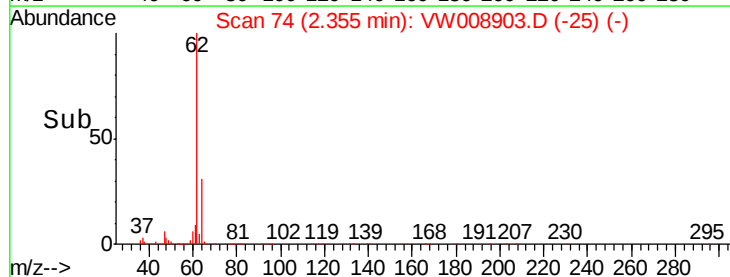
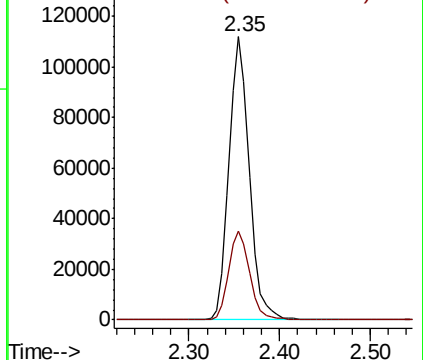
62 100

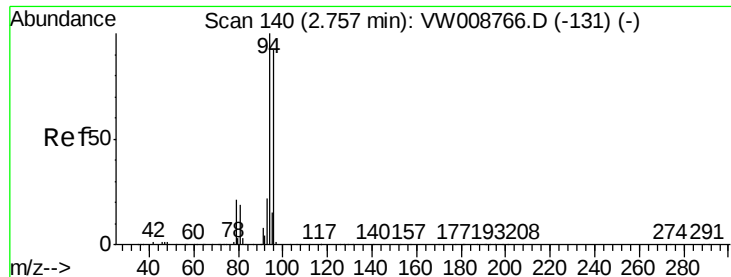
64 31.3 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 51.848 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

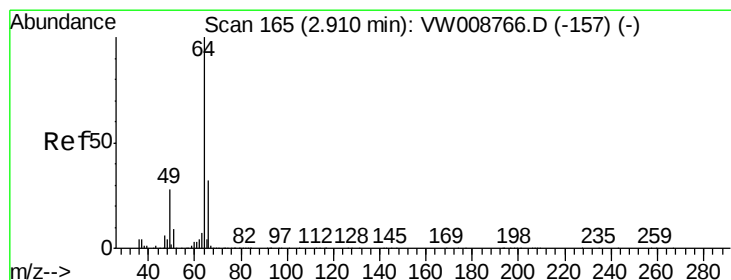
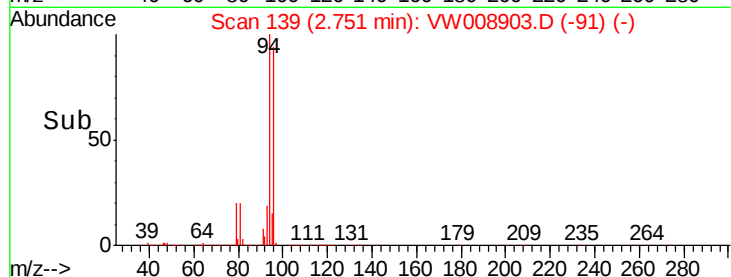
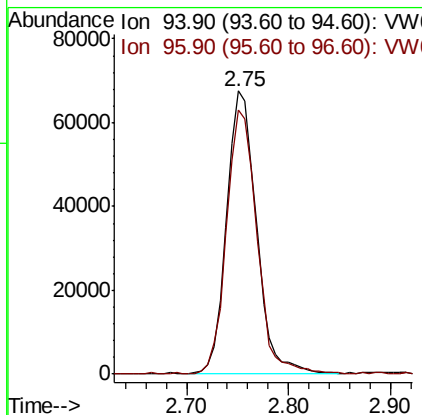
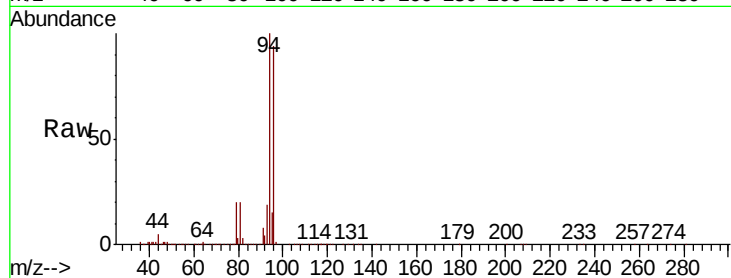
VSTDCCC050

Tot Ion: 94 Resp: 136079

Ion Ratio Lower Upper

94 100

96 93.5 73.4 110.2



#6

Chloroethane

Concen: 50.159 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008903.D

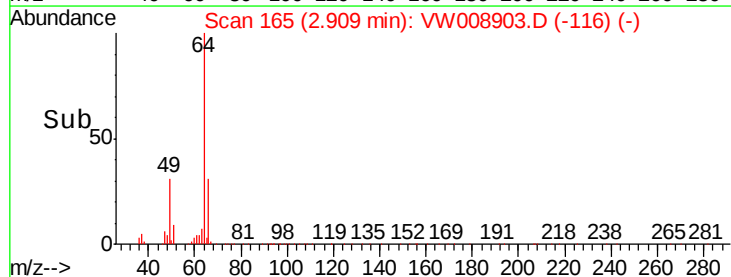
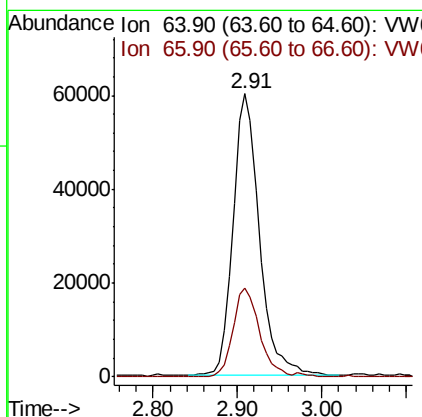
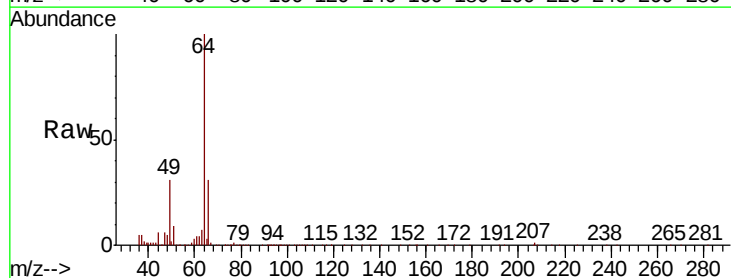
Acq: 28 Feb 2019 23:32

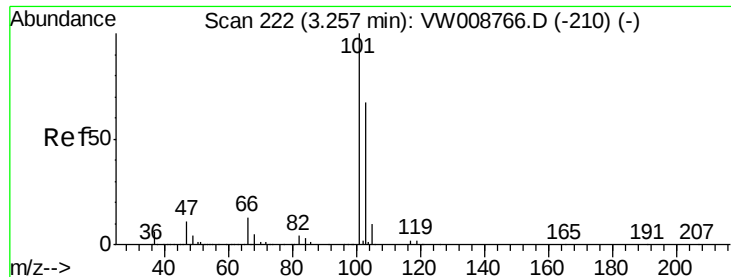
Tgt Ion: 64 Resp: 125860

Ion Ratio Lower Upper

64 100

66 31.2 25.5 38.3



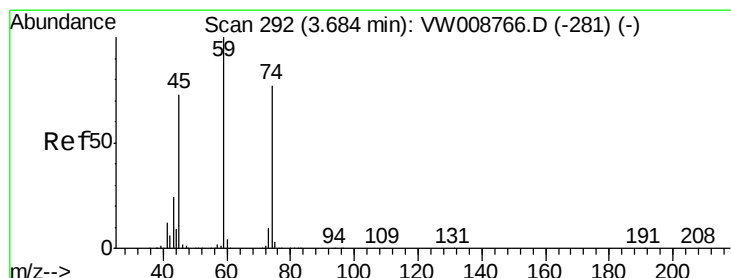
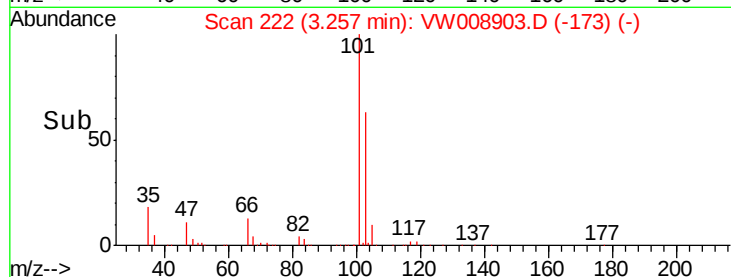
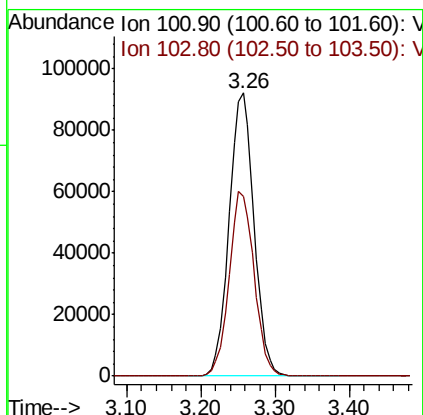
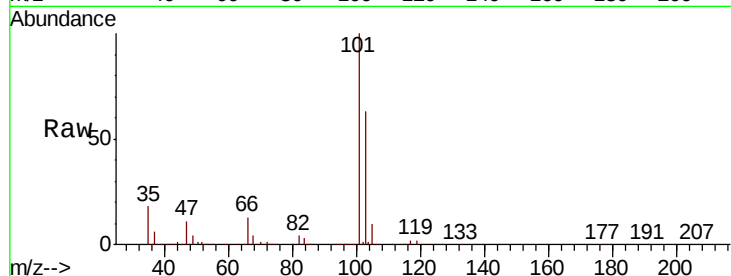


#7

Trichlorofluoromethane
Concen: 48.250 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

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VSTDCCC050

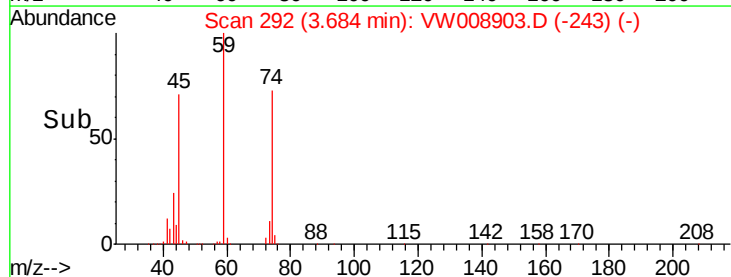
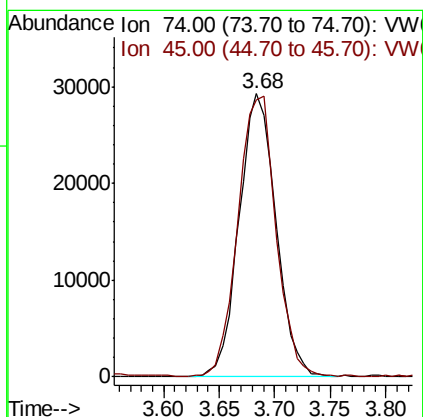
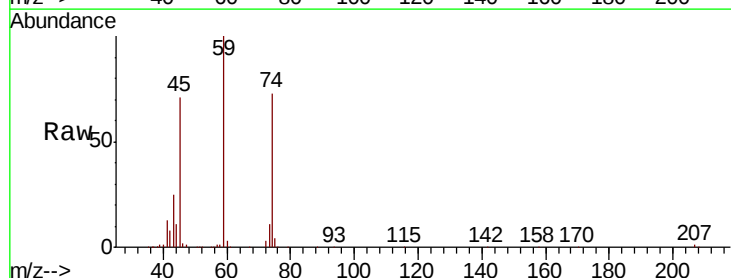
Tot Ion:101 Resp: 215632
Ion Ratio Lower Upper
101 100
103 63.3 53.9 80.9

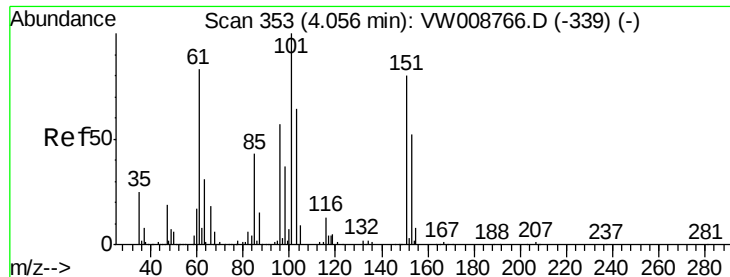


#8

Diethyl Ether
Concen: 47.709 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 74 Resp: 67503
Ion Ratio Lower Upper
74 100
45 101.5 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.293 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

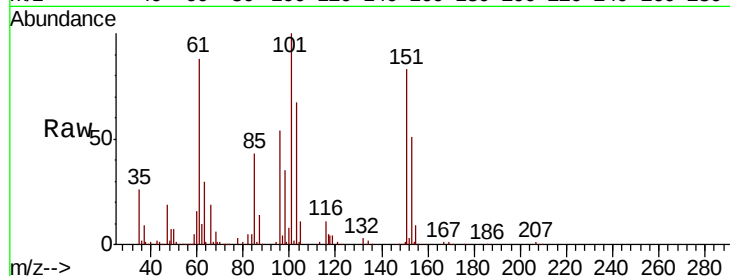
Tot Ion:101 Resp: 128349

Ion Ratio Lower Upper

101 100

85 45.7 36.0 54.0

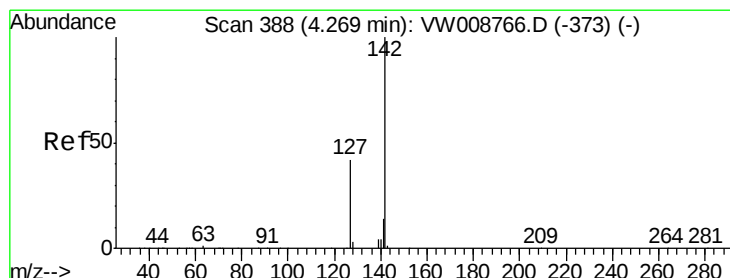
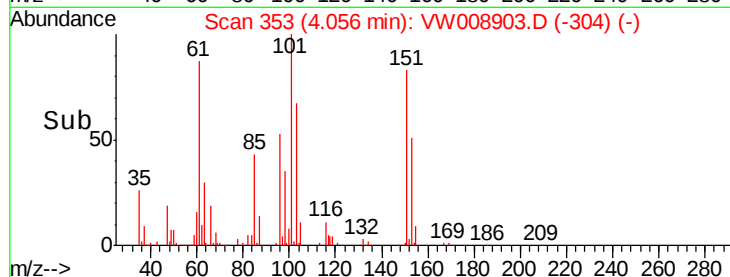
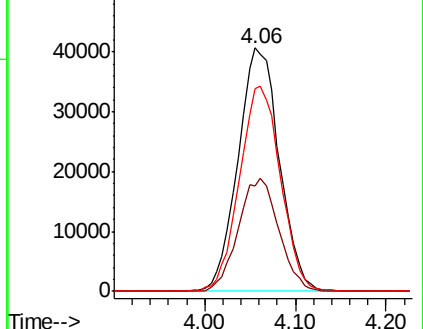
151 83.8 65.5 98.3



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: 45.861 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

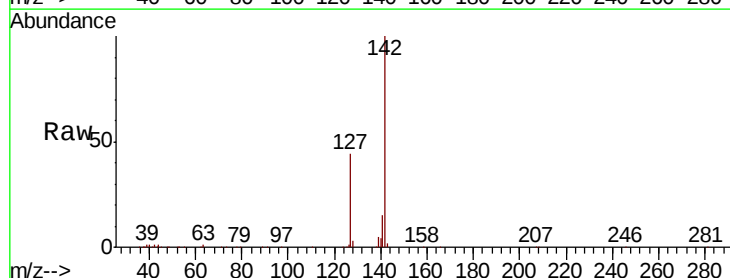
Tgt Ion:142 Resp: 155639

Ion Ratio Lower Upper

142 100

127 44.0 35.3 52.9

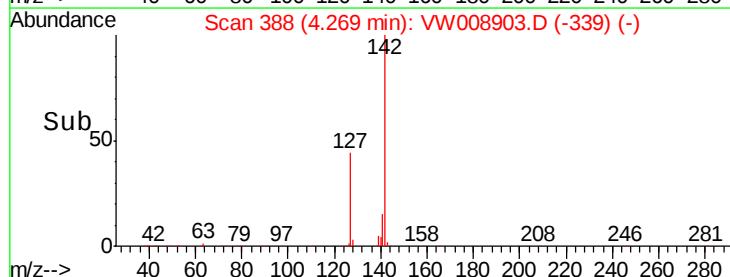
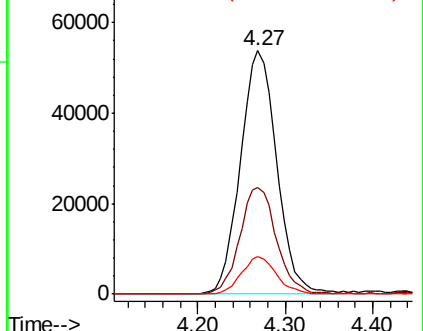
141 14.7 11.7 17.5

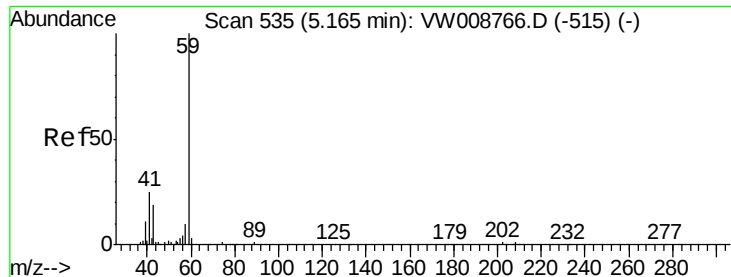


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

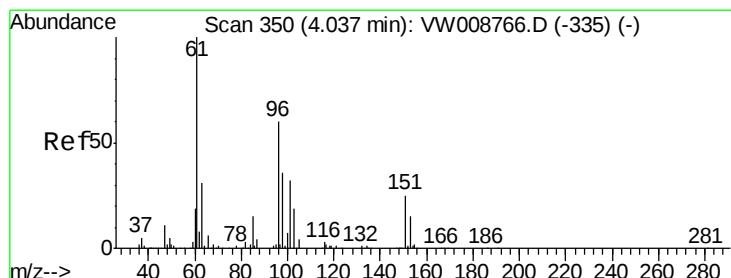
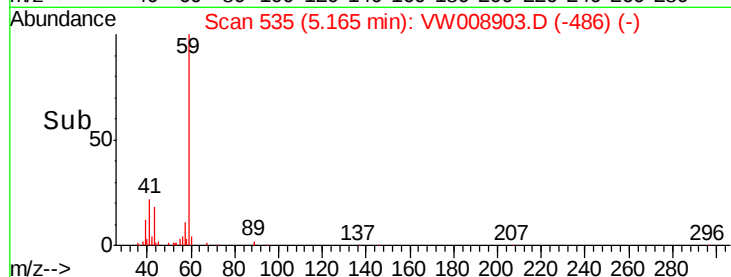
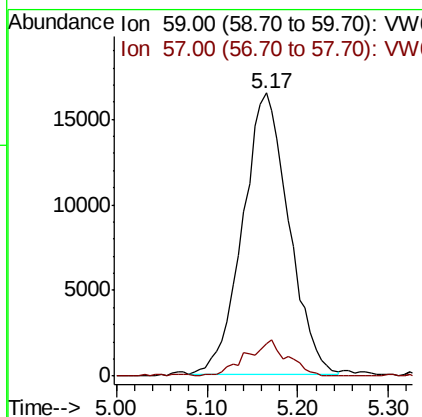
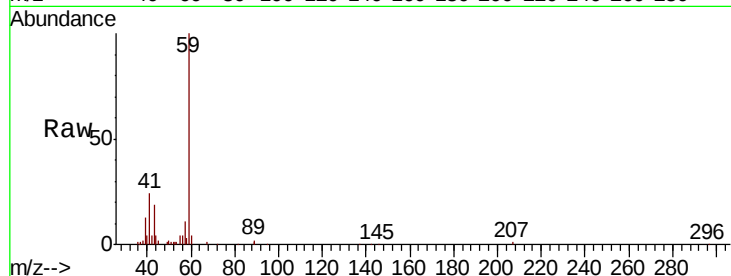




#11
Tert butyl alcohol
Concen: 252.604 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

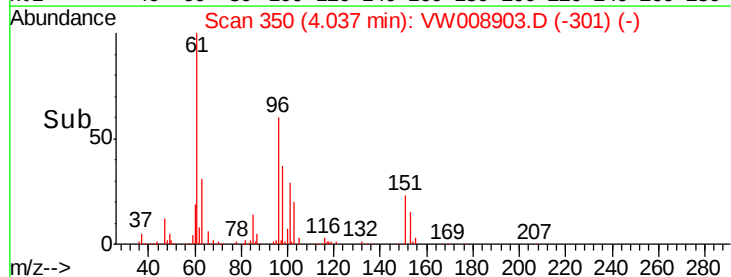
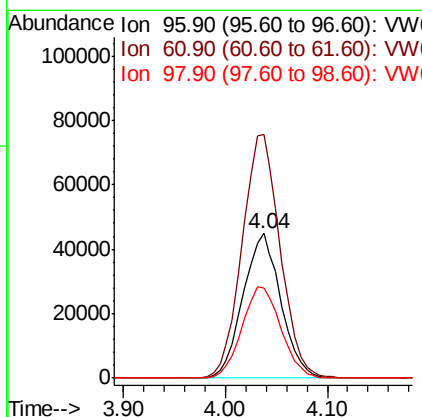
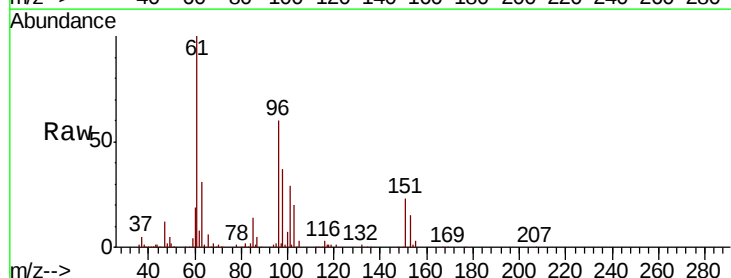
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

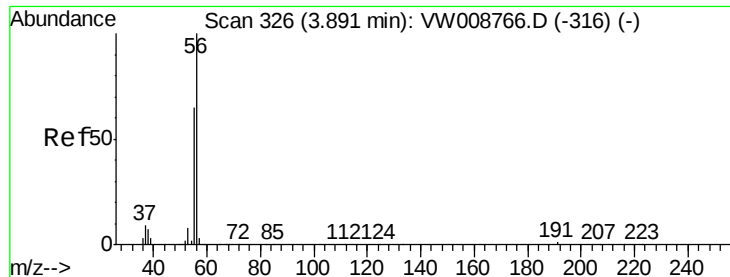
Tot Ion: 59 Resp: 57738
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9



#12
1,1-Dichloroethene
Concen: 48.275 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 96 Resp: 115704
Ion Ratio Lower Upper
96 100
61 167.9 132.5 198.7
98 61.8 48.2 72.4





#13

Acrolein

Concen: 246.249 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

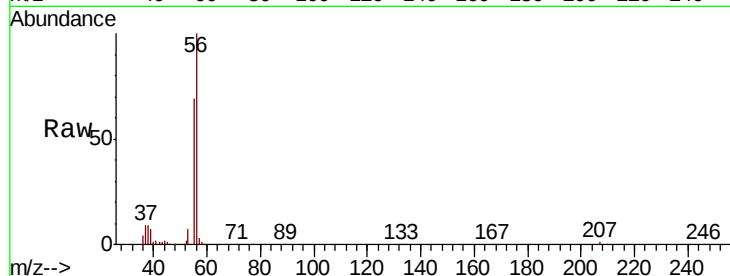
VSTDCCC050

Tot Ion: 56 Resp: 59291

Ion Ratio Lower Upper

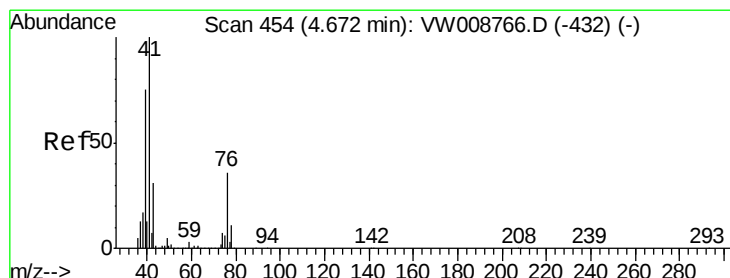
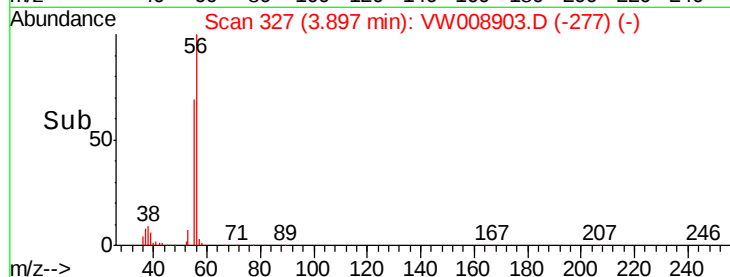
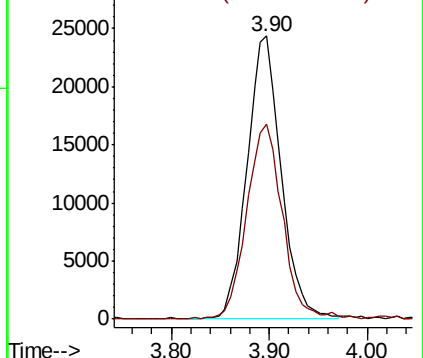
56 100

55 71.4 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 50.718 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

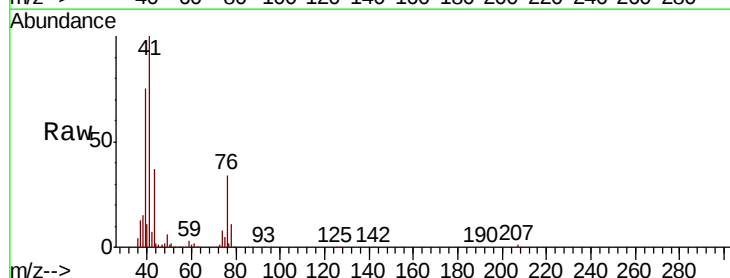
Tgt Ion: 41 Resp: 209803

Ion Ratio Lower Upper

41 100

39 76.6 60.6 91.0

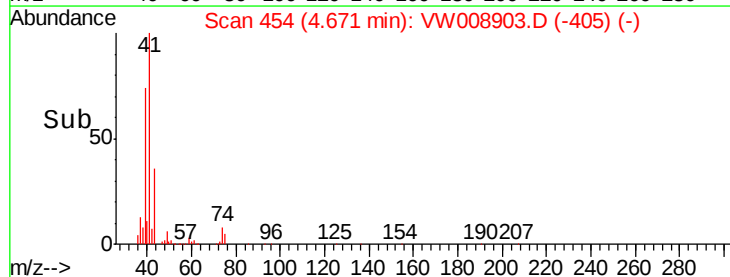
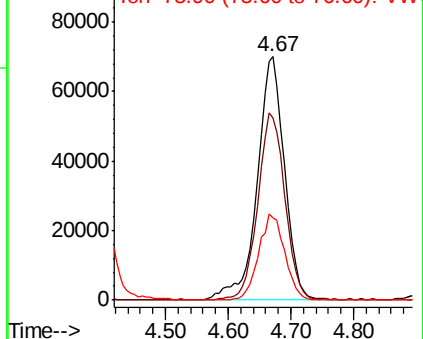
76 33.7 28.6 42.8

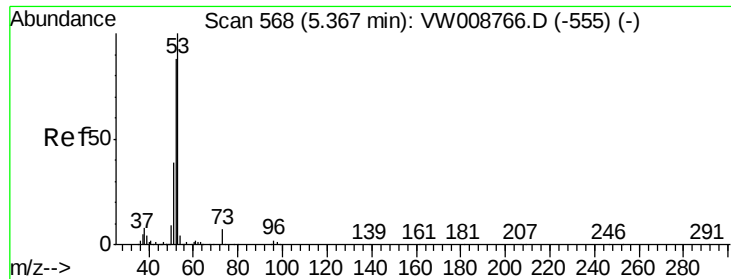


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 279.896 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

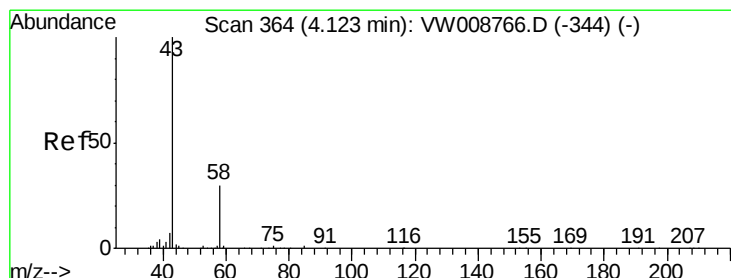
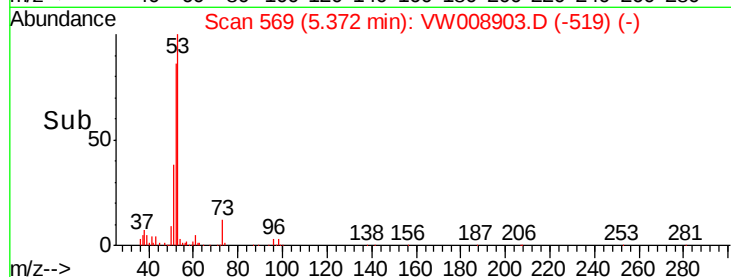
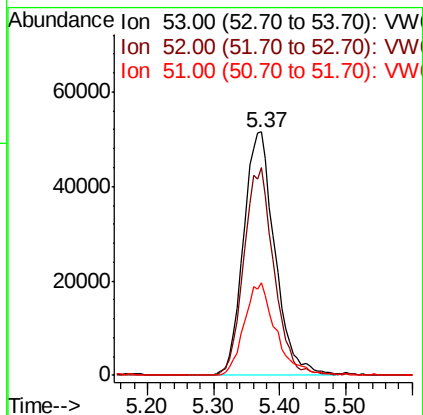
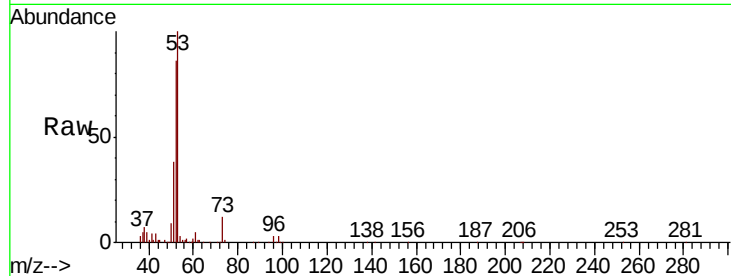
Tot Ion: 53 Resp: 169958

Ion	Ratio	Lower	Upper
53	100		
52	81.9	67.2	100.8
51	38.5	31.1	46.7

53 100

52 81.9 67.2 100.8

51 38.5 31.1 46.7



#16

Acetone

Concen: 239.541 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW008903.D

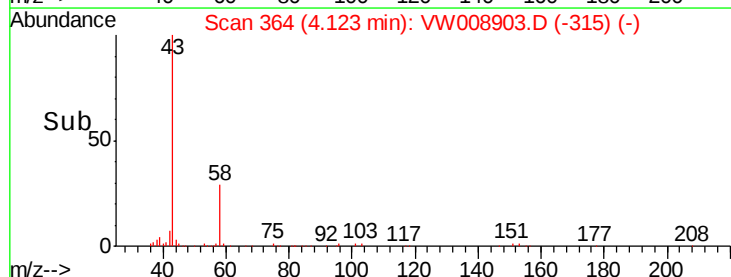
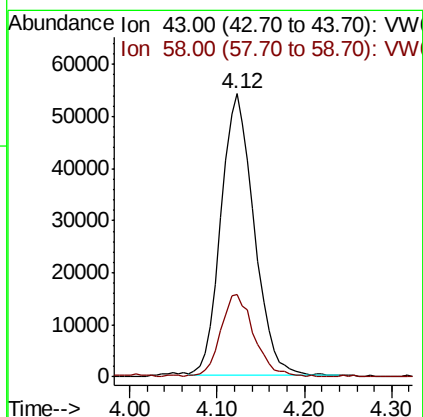
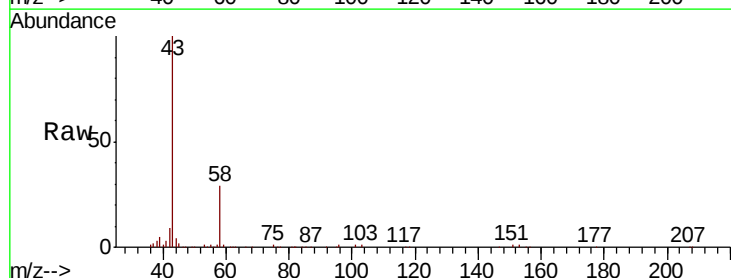
Acq: 28 Feb 2019 23:32

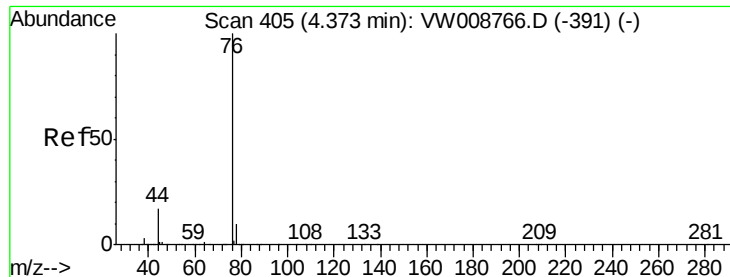
Tgt Ion: 43 Resp: 142554

Ion	Ratio	Lower	Upper
43	100		
58	29.0	23.8	35.6

43 100

58 29.0 23.8 35.6





#17

Carbon Disulfide

Concen: 48.803 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

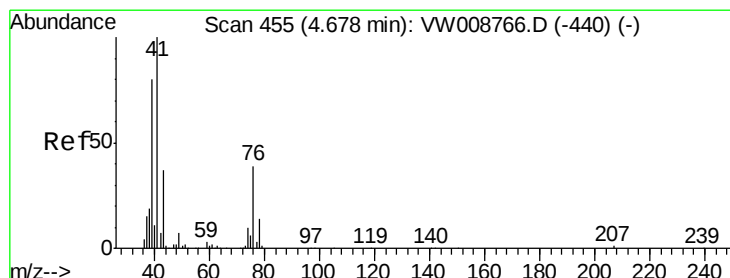
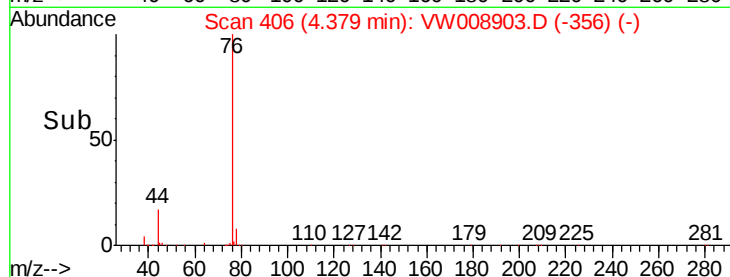
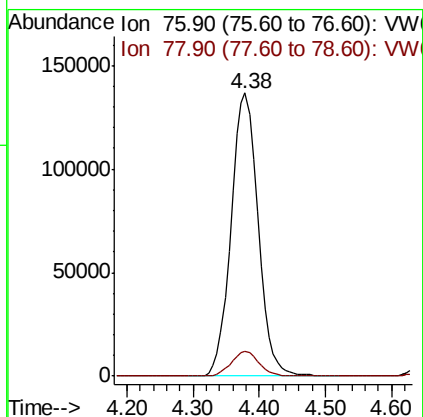
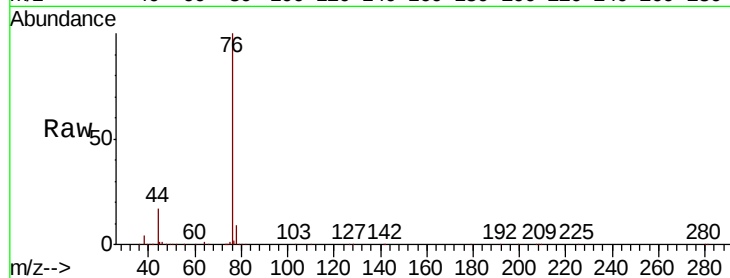
VSTDCCC050

Tot Ion: 76 Resp: 388093

Ion Ratio Lower Upper

76 100

78 8.9 7.8 11.8



#18

Methyl Acetate

Concen: 56.018 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW008903.D

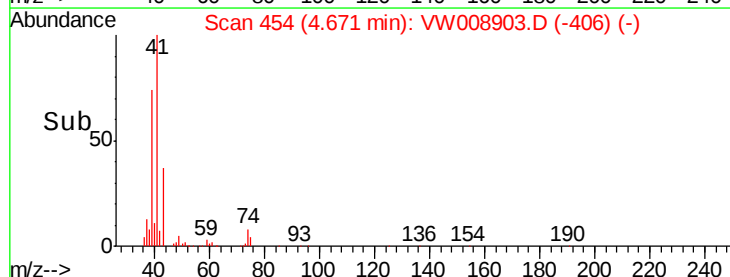
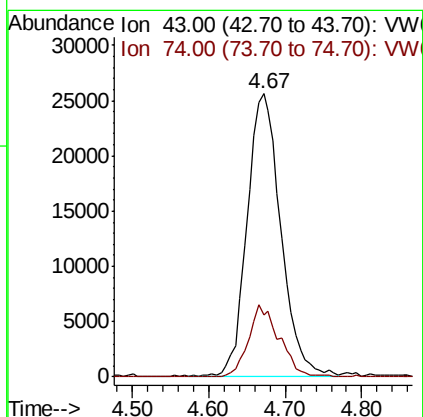
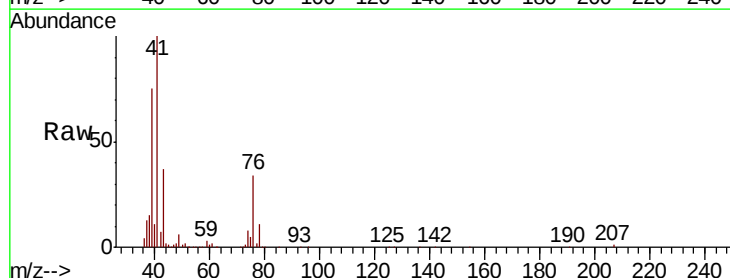
Acq: 28 Feb 2019 23:32

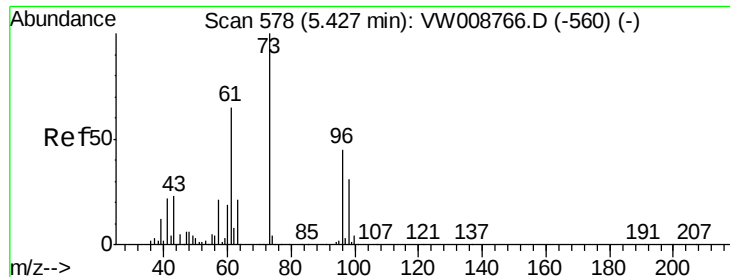
Tgt Ion: 43 Resp: 79072

Ion Ratio Lower Upper

43 100

74 23.1 19.4 29.2



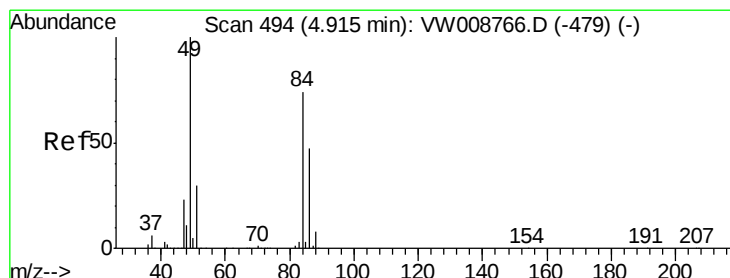
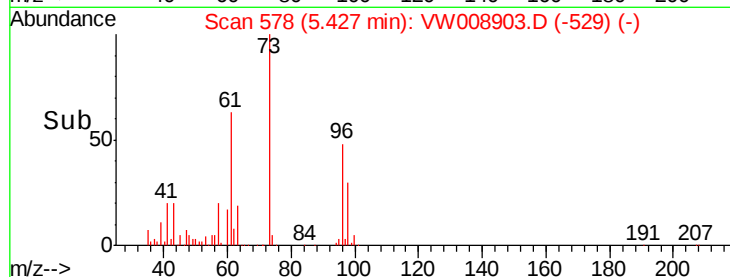
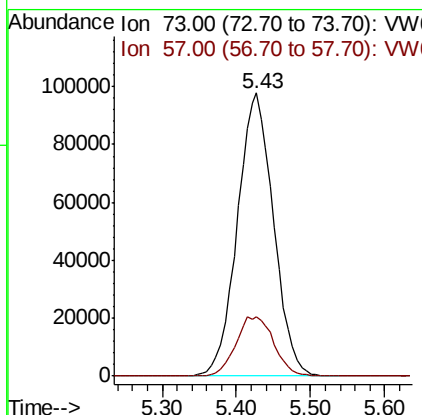
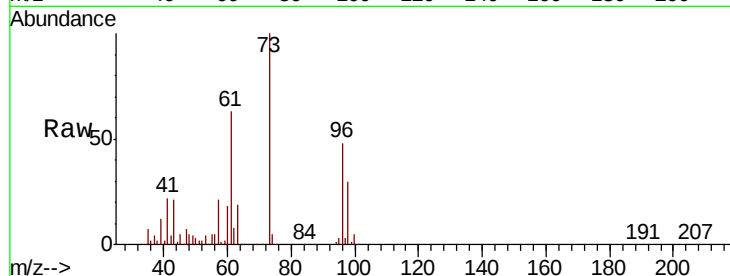


#19

Methyl tert-butyl Ether
 Concen: 51.170 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

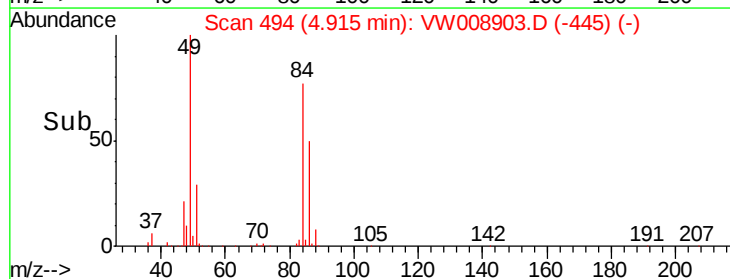
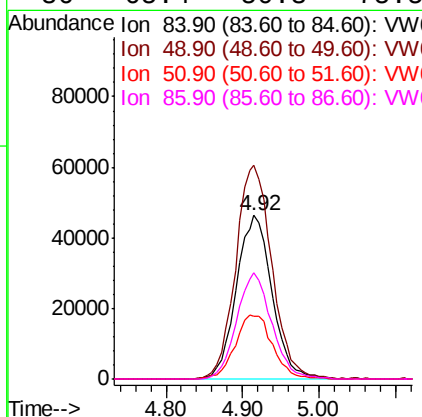
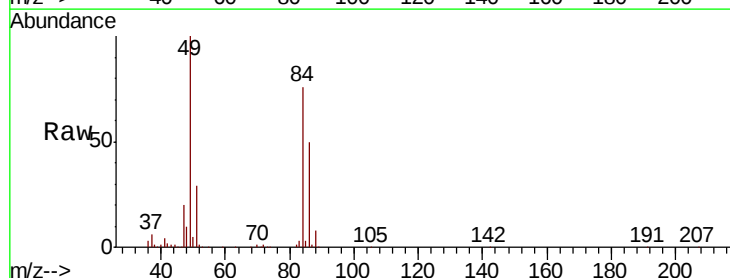
Tot Ion: 73 Resp: 331959
 Ion Ratio Lower Upper
 73 100
 57 21.1 16.8 25.2

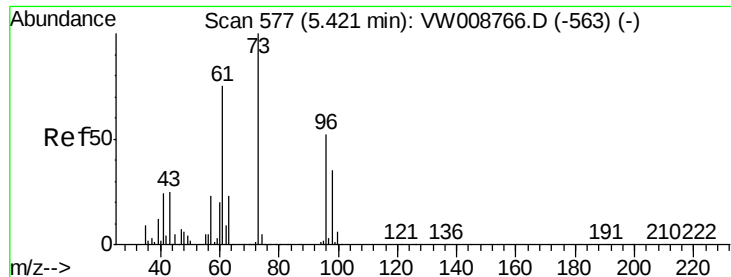


#20

Methylene Chloride
 Concen: 51.475 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion: 84 Resp: 150463
 Ion Ratio Lower Upper
 84 100
 49 130.6 108.2 162.2
 51 38.4 32.7 49.1
 86 65.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 49.440 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

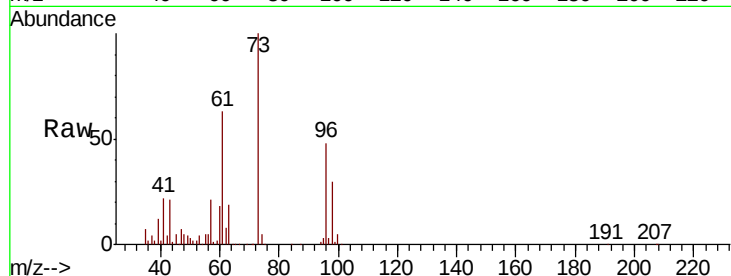
Tot Ion: 96 Resp: 137071

Ion Ratio Lower Upper

96 100

61 132.9 114.6 171.8

98 63.5 54.0 81.0

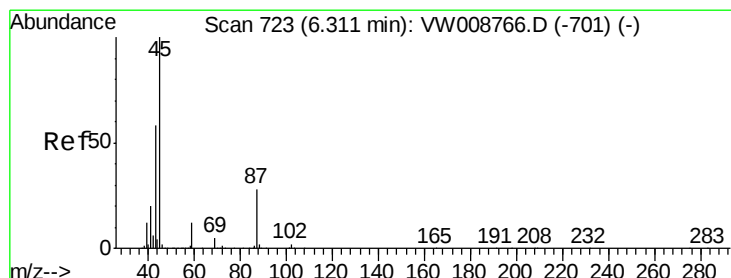
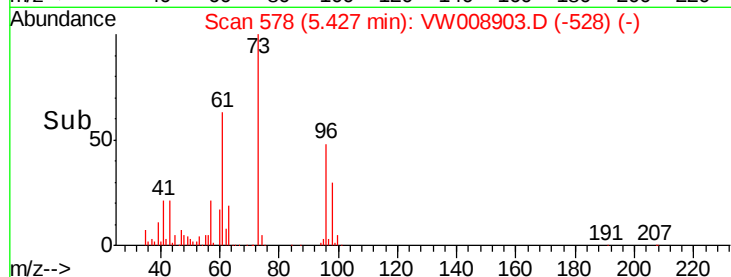
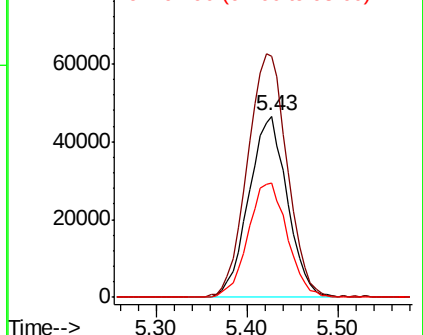


Abundance

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: 52.209 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion: 45 Resp: 430826

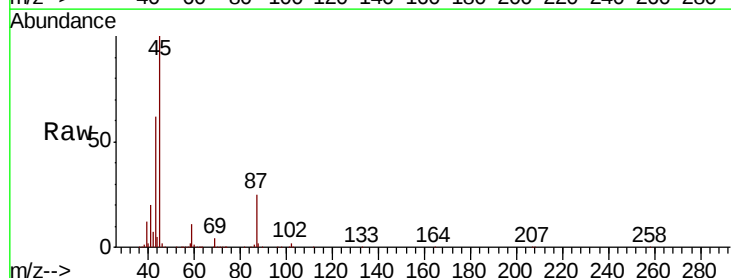
Ion Ratio Lower Upper

45 100

43 61.5 46.1 69.1

87 25.2 22.2 33.4

59 10.6 10.0 15.0



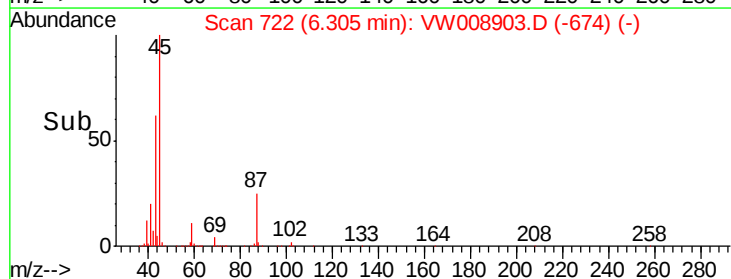
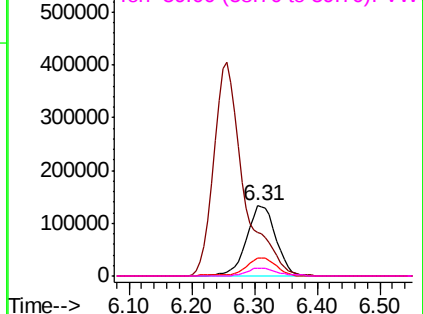
Abundance

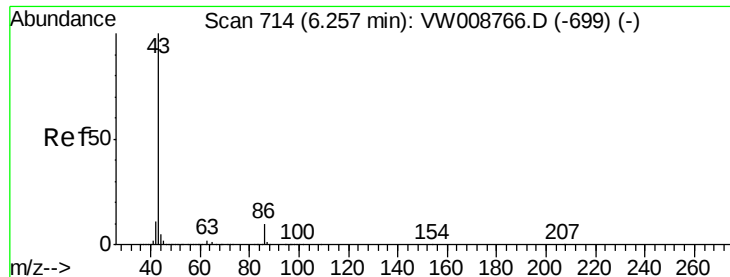
Ion 45.00 (44.70 to 45.70): VW

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: 260.822 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

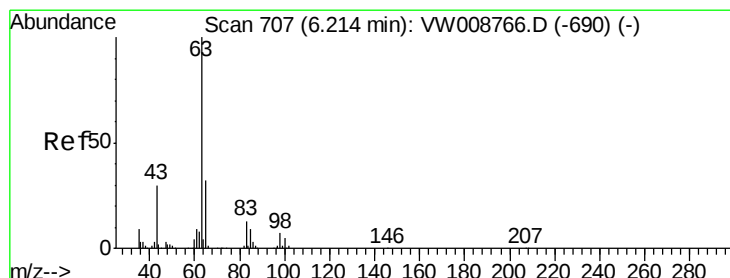
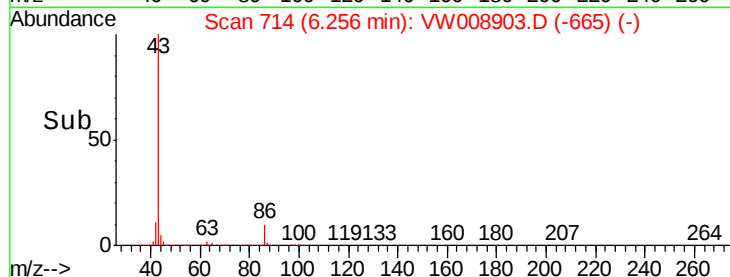
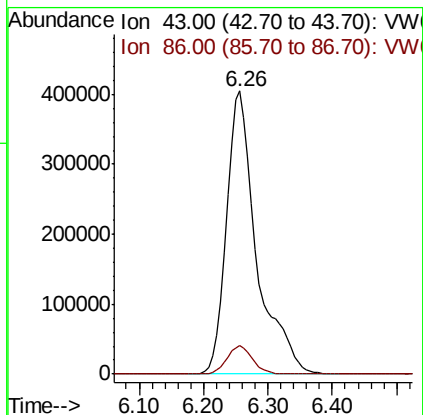
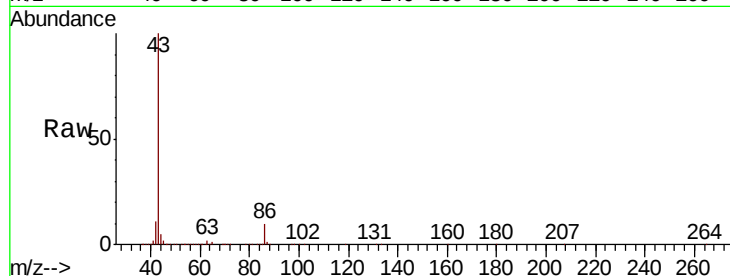
VSTDCCC050

Tot Ion: 43 Resp: 1329789

Ion Ratio Lower Upper

43 100

86 9.9 8.1 12.1



#24

1,1-Dichloroethane

Concen: 51.071 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

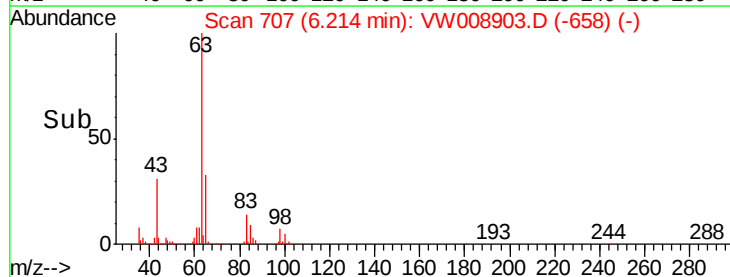
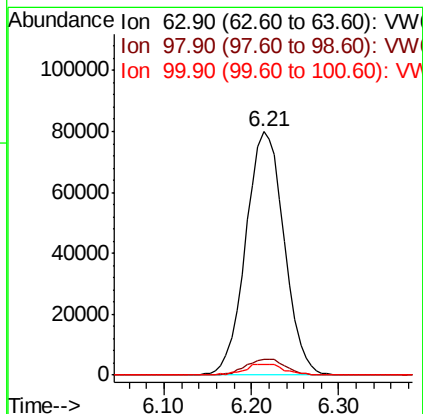
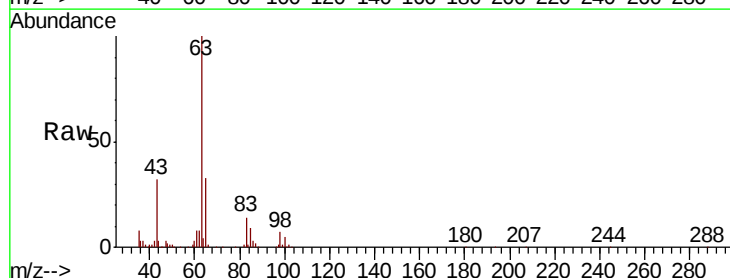
Tgt Ion: 63 Resp: 244210

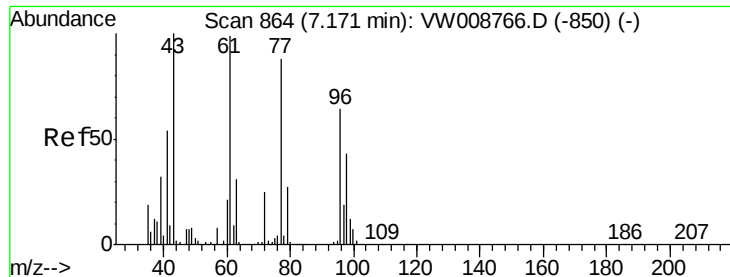
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.6

100 4.6 2.4 7.2





#25

2-Butanone

Concen: 264.062 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

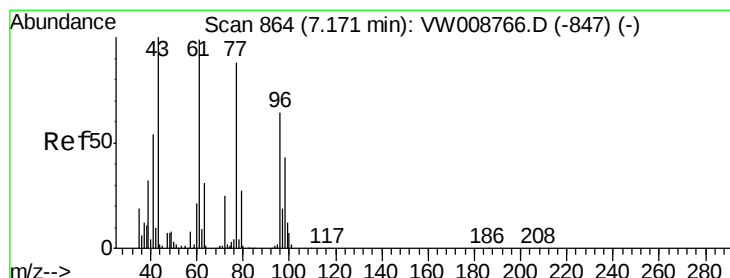
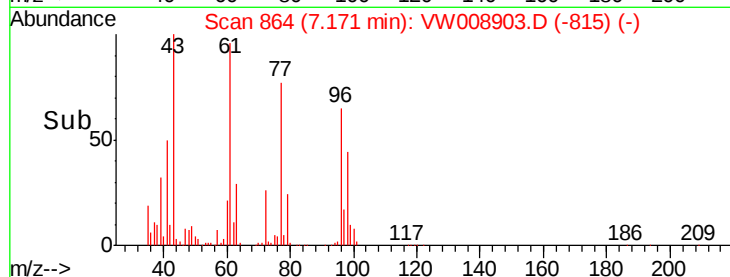
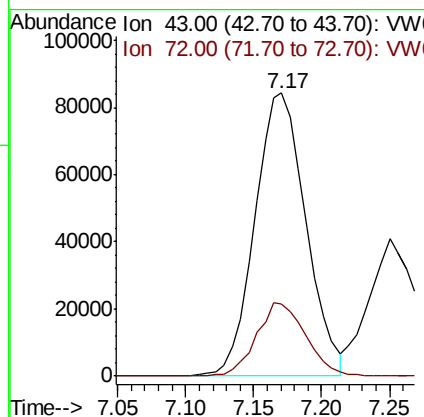
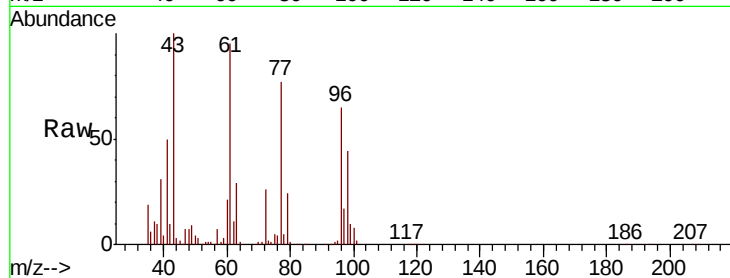
VSTDCCC050

Tot Ion: 43 Resp: 219701

Ion Ratio Lower Upper

43 100

72 25.8 19.7 29.5



#26

2,2-Dichloropropane

Concen: 45.001 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008903.D

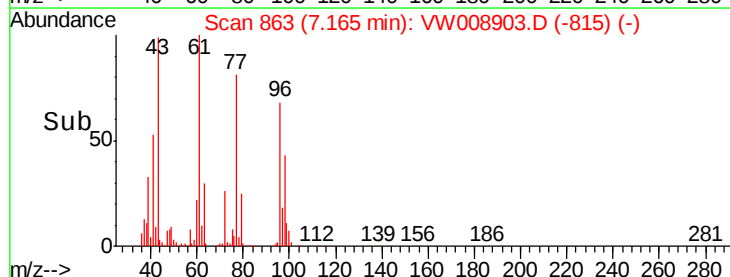
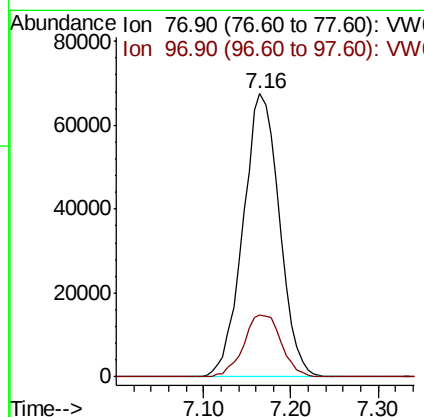
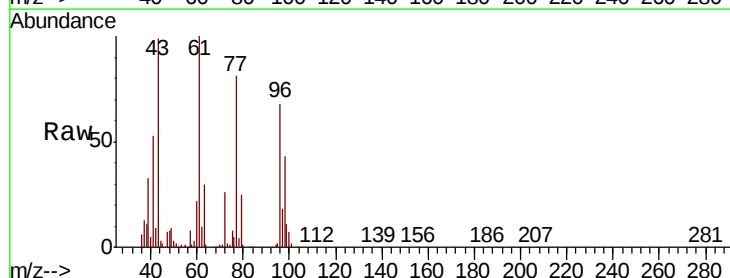
Acq: 28 Feb 2019 23:32

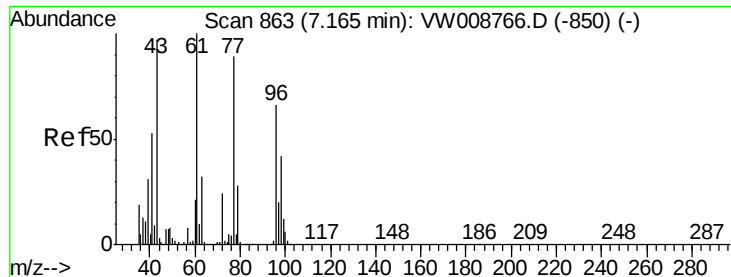
Tgt Ion: 77 Resp: 195359

Ion Ratio Lower Upper

77 100

97 22.6 11.0 33.0



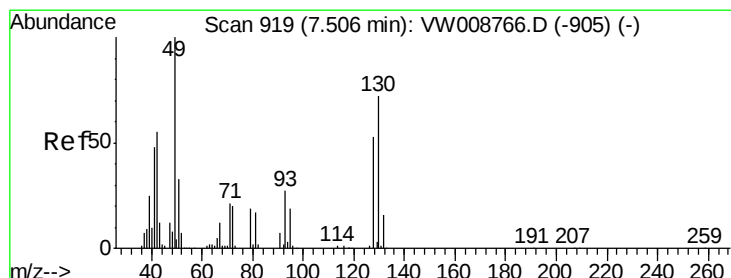
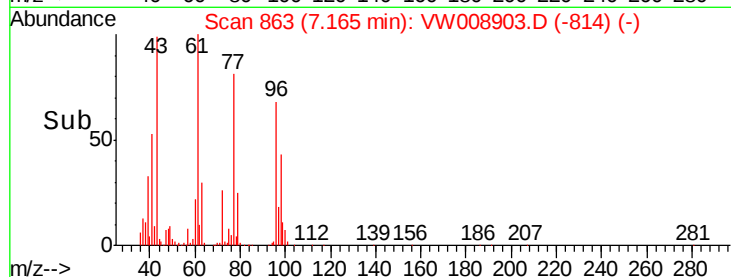
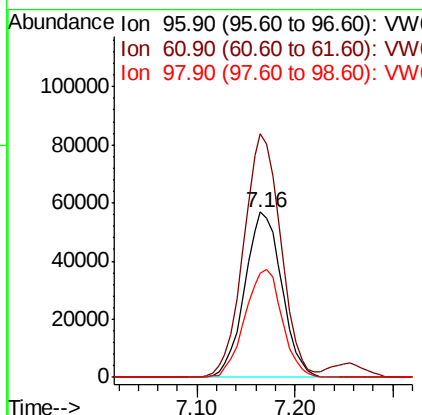
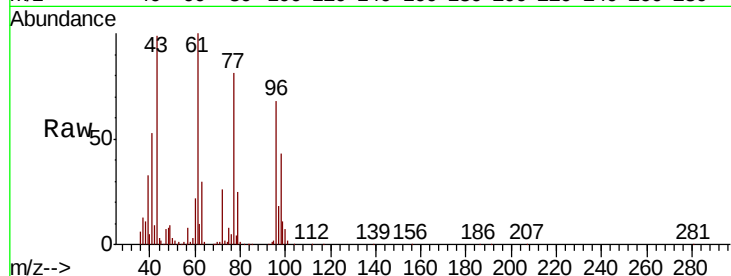


#27

cis-1,2-Dichloroethene
 Concen: 50.680 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

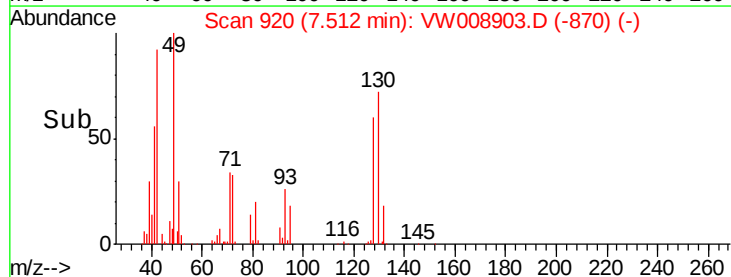
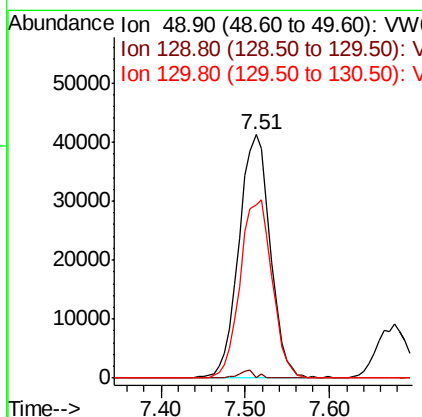
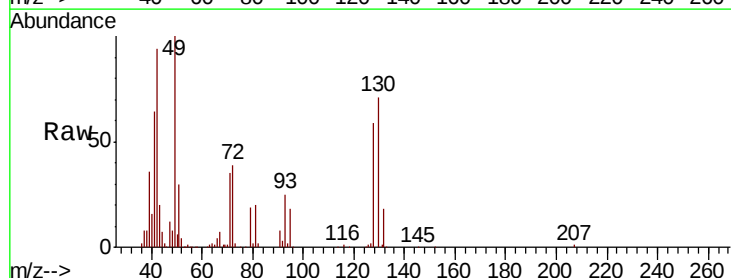
Tot Ion	96	Resp	150300
Ion Ratio	Lower	Upper	
96	100		
61	147.6	0.0	302.6
98	65.2	0.0	130.0

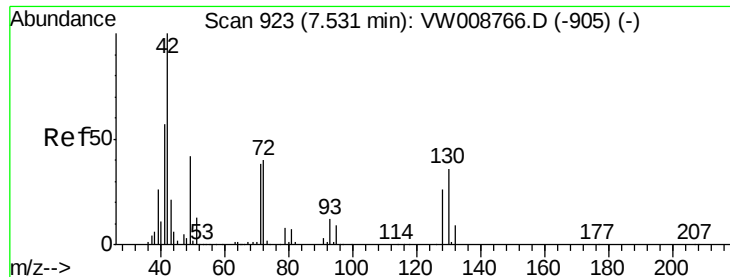


#28

Bromochloromethane
 Concen: 51.577 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	49	Resp	103206
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	2.6
130	74.8	61.3	91.9

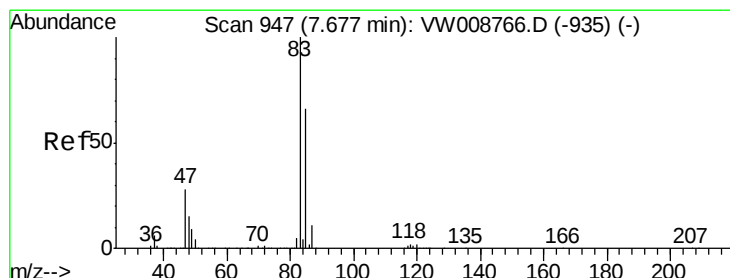
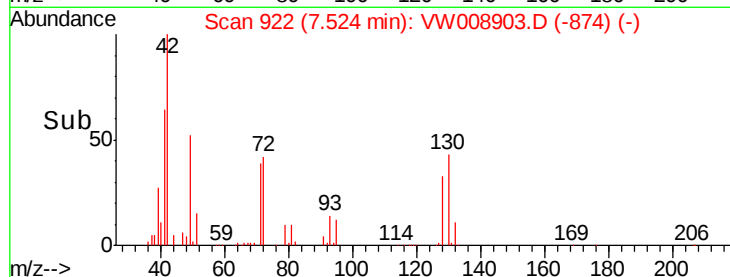
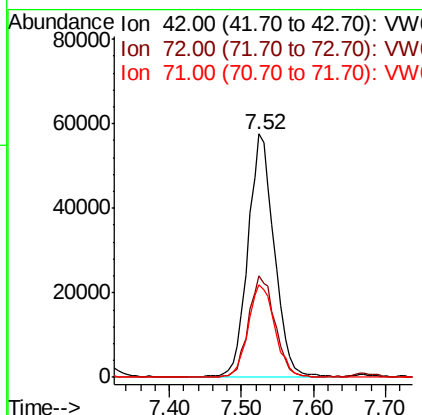
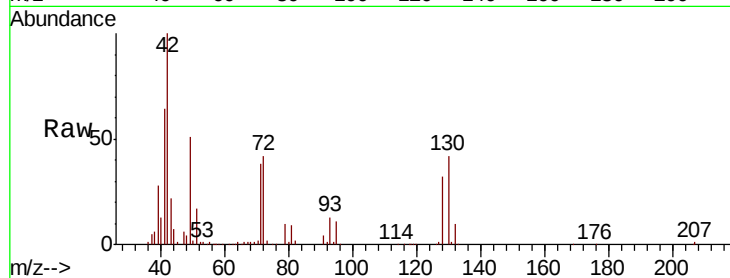




#29
Tetrahydrofuran
Concen: 274.863 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

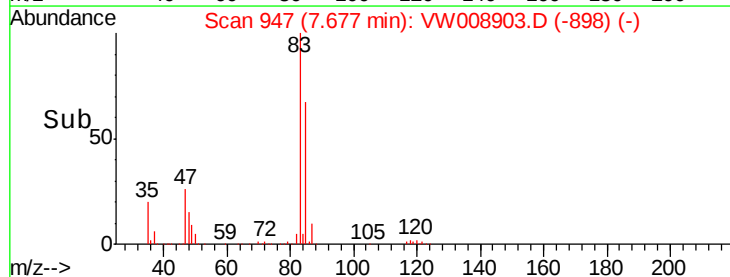
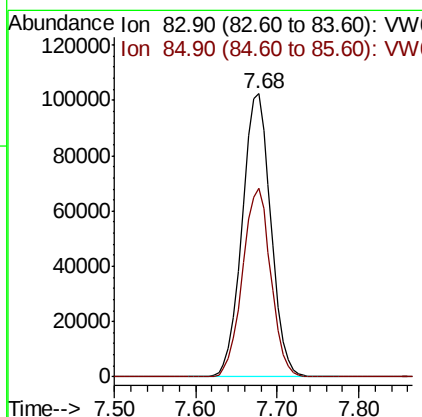
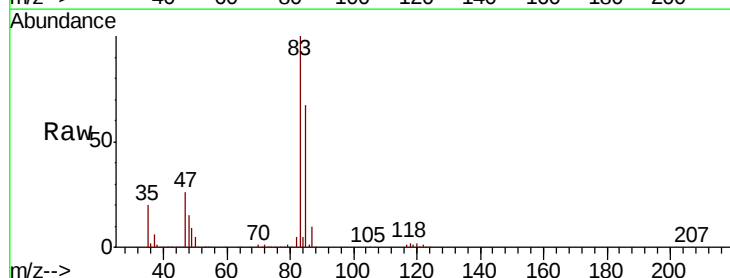
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

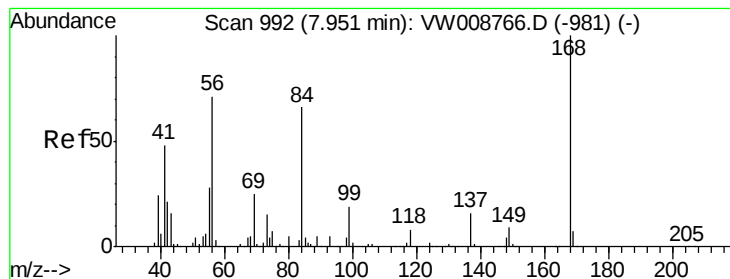
Tot Ion: 42 Resp: 145736
Ion Ratio Lower Upper
42 100
72 42.0 32.7 49.1
71 38.9 31.3 46.9



#30
Chloroform
Concen: 51.018 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 83 Resp: 250271
Ion Ratio Lower Upper
83 100
85 66.6 52.6 79.0





#31

Cyclohexane

Concen: 47.376 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

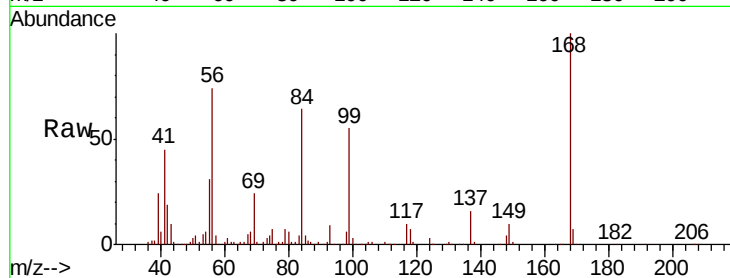
Tot Ion: 56 Resp: 229314

Ion Ratio Lower Upper

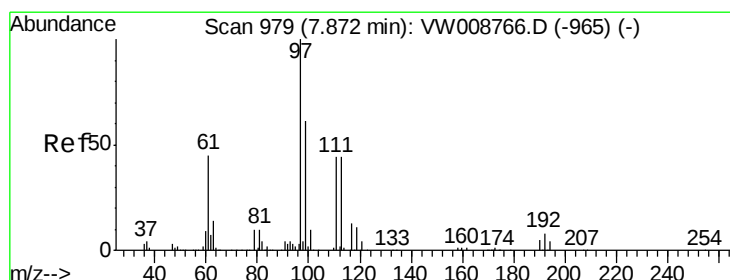
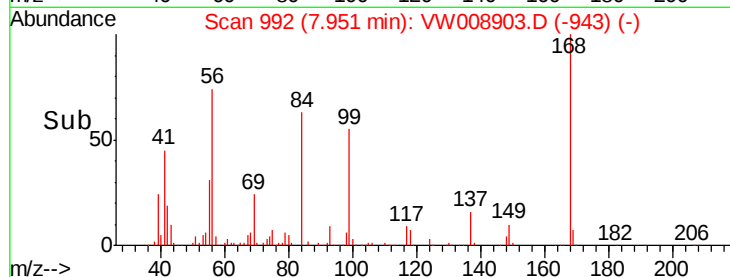
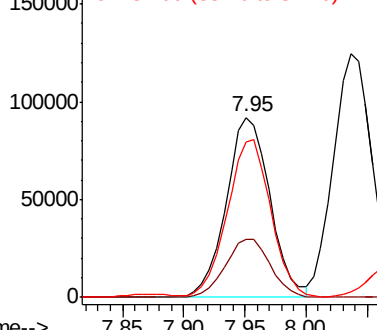
56 100

69 32.4 28.2 42.4

84 84.7 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: 49.903 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

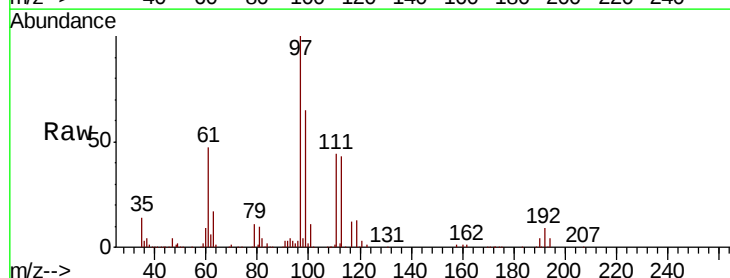
Tgt Ion: 97 Resp: 222623

Ion Ratio Lower Upper

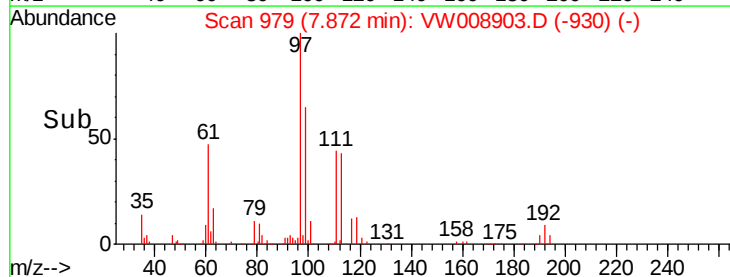
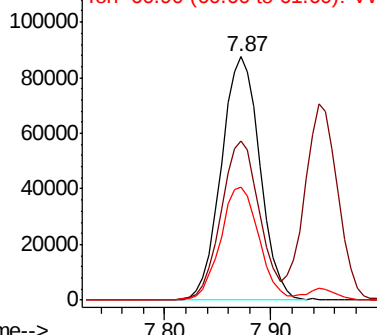
97 100

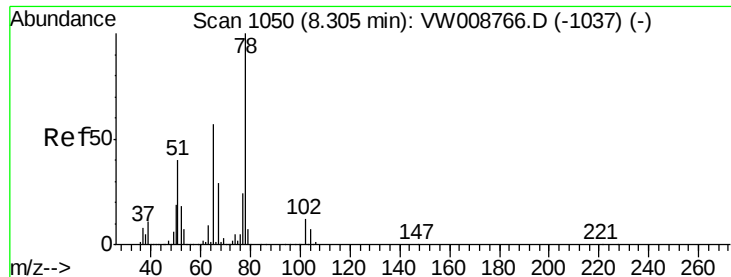
99 64.8 50.8 76.2

61 46.4 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: 49.462 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

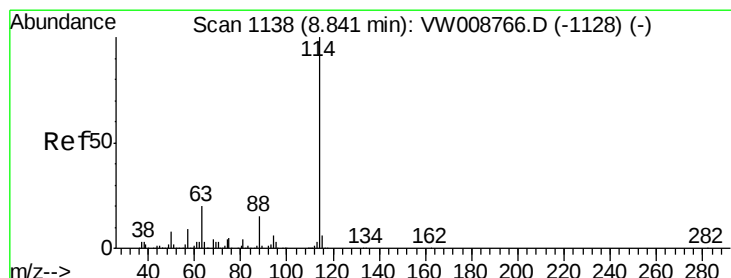
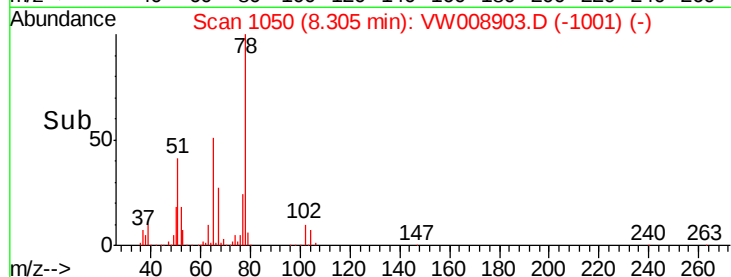
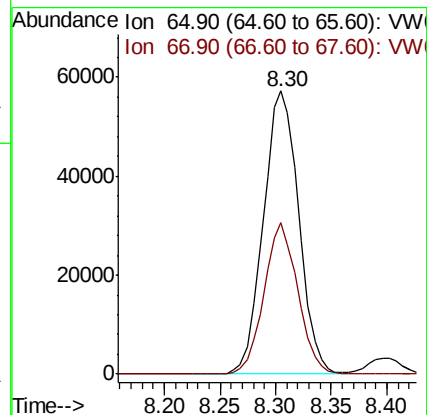
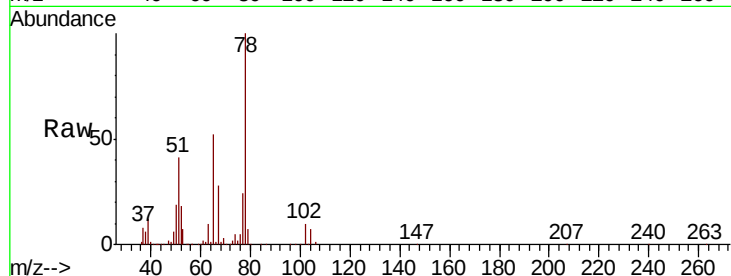
VSTDCCC050

Tot Ion: 65 Resp: 126991

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

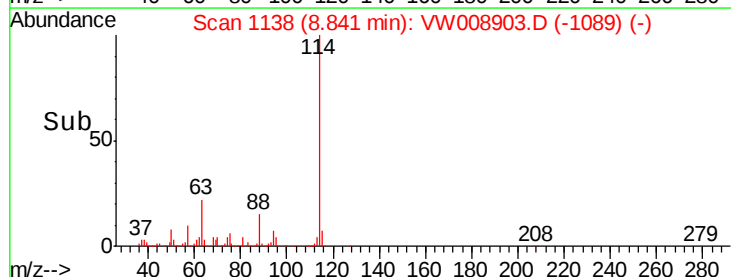
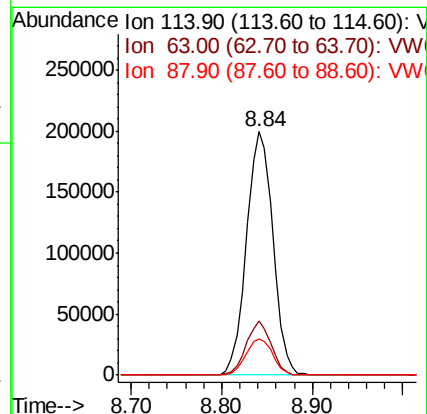
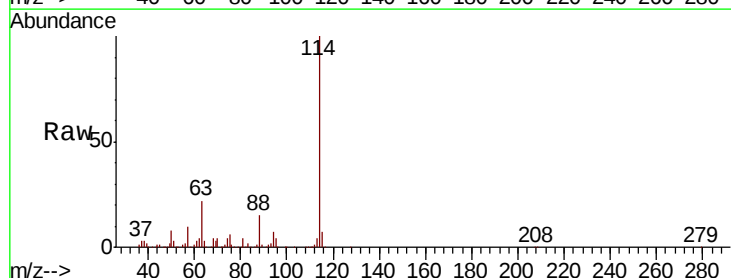
Tgt Ion: 114 Resp: 401691

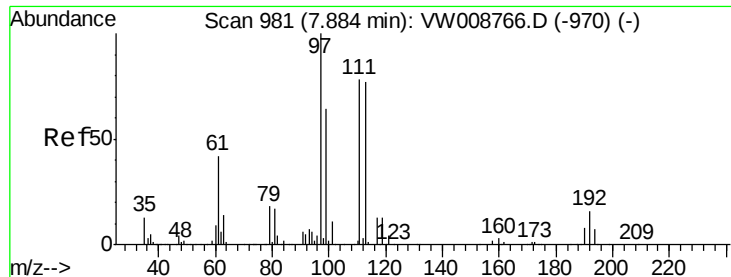
Ion Ratio Lower Upper

114 100

63 22.4 0.0 40.8

88 15.0 0.0 30.4

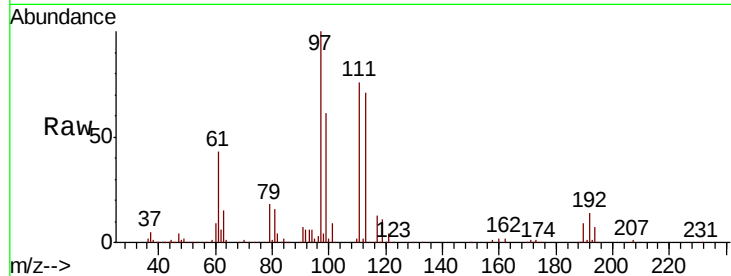




#35
 Dibromofluoromethane
 Concen: 48.041 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.9	122.9
192	21.3	17.1	25.7

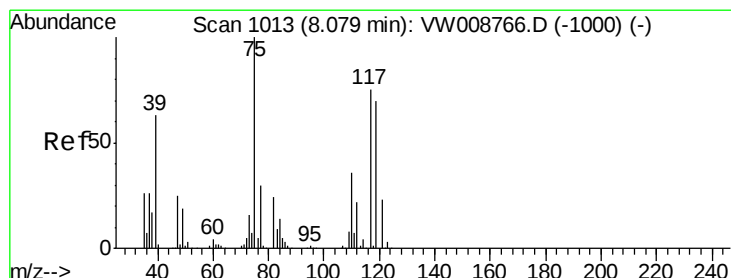
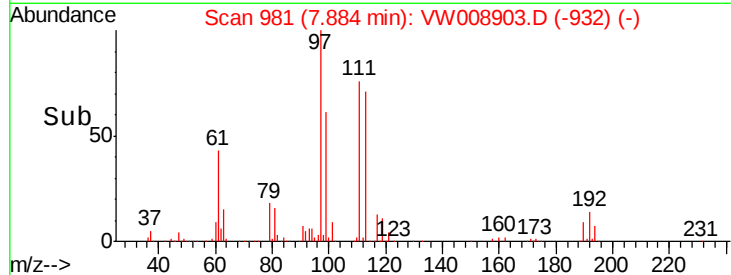
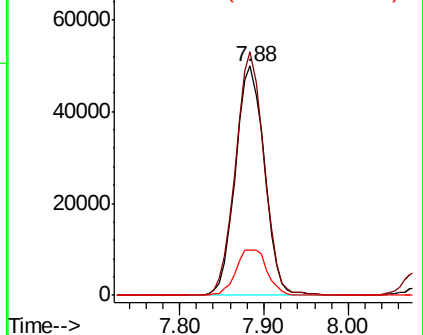


Abundance

Ion 112.80 (112.50 to 113.50): V

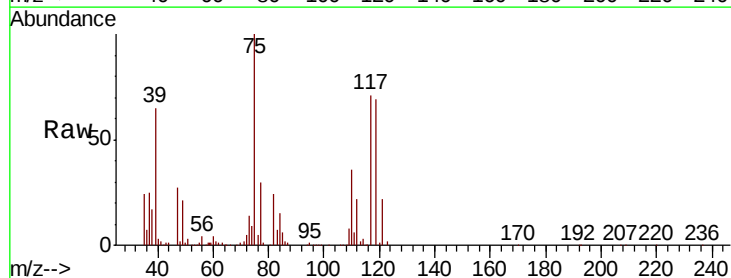
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.659 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.5	52.6
77	31.1	24.5	36.7

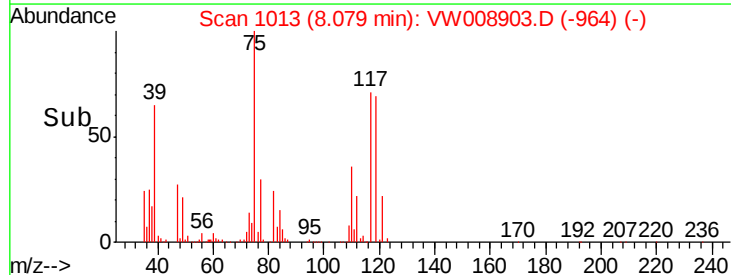
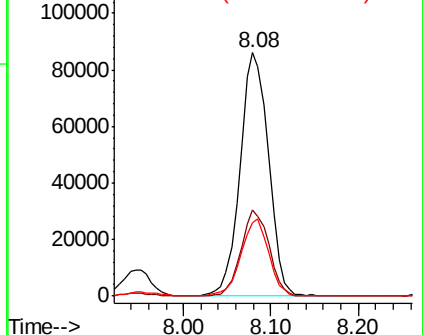


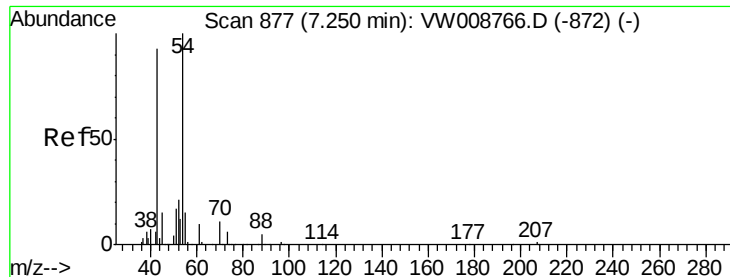
Abundance

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

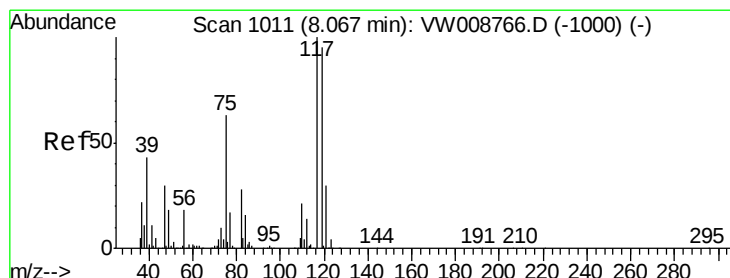
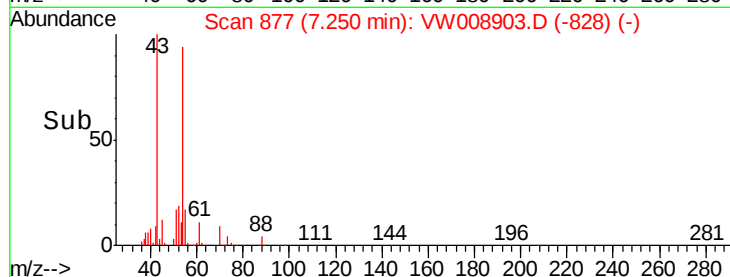
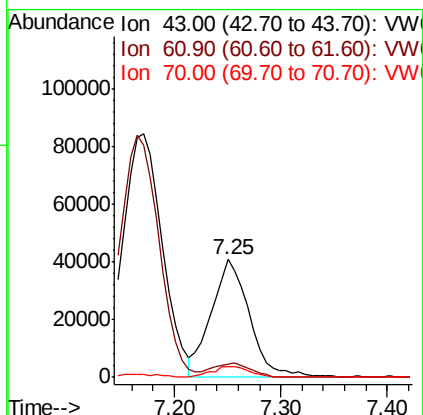
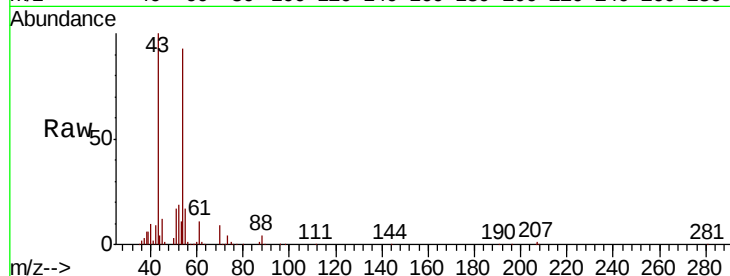




#37
Ethyl Acetate
Concen: 55.153 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

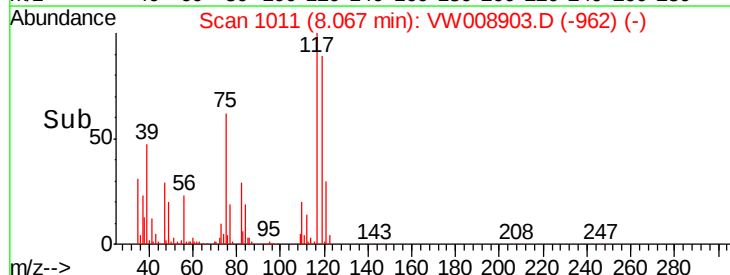
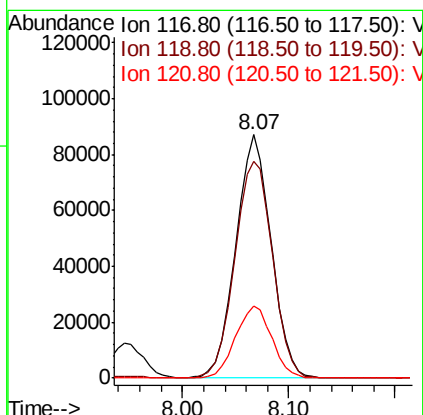
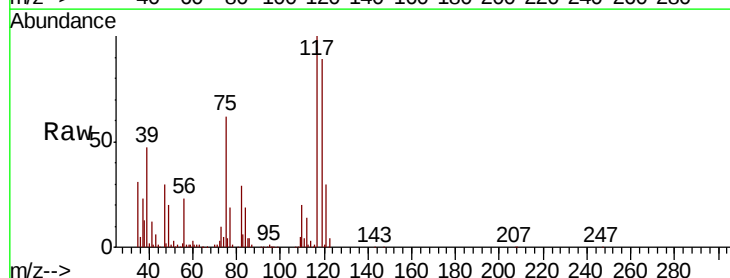
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

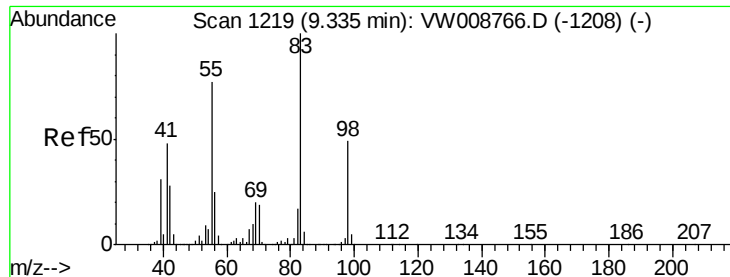
Tot Ion: 43 Resp: 100286
Ion Ratio Lower Upper
43 100
61 11.4 9.8 14.8
70 9.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 49.249 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 117 Resp: 203088
Ion Ratio Lower Upper
117 100
119 89.2 76.1 114.1
121 29.7 24.0 36.0

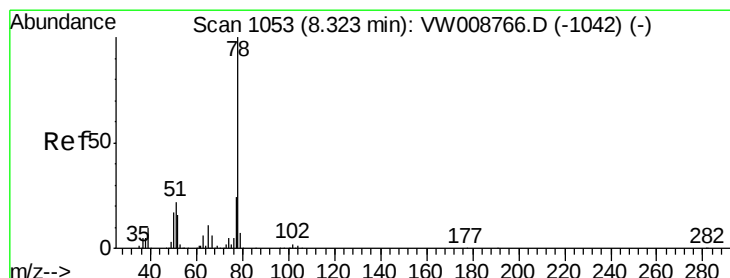
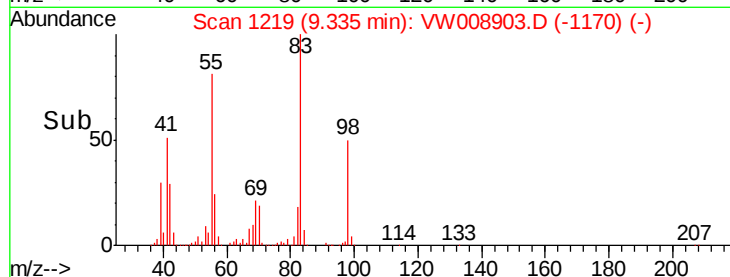
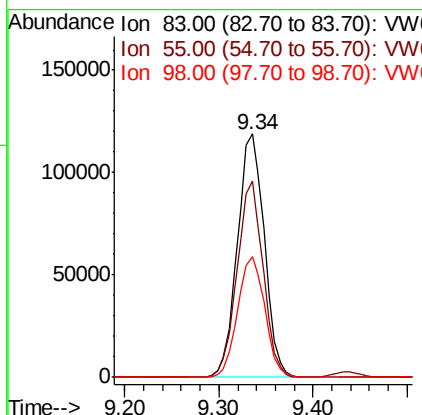
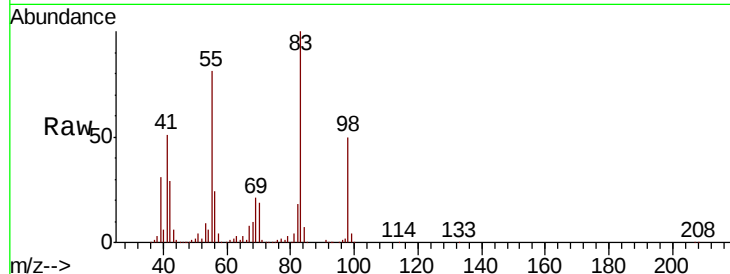




#39
Methvlcvclohexane
Concen: 48.818 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

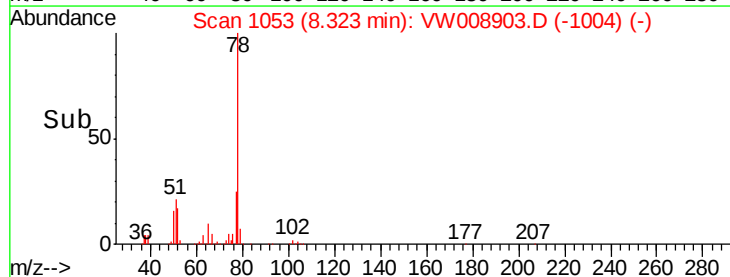
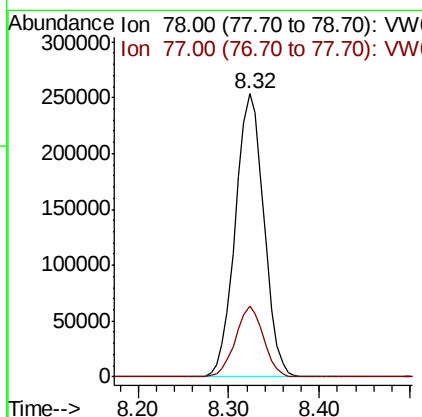
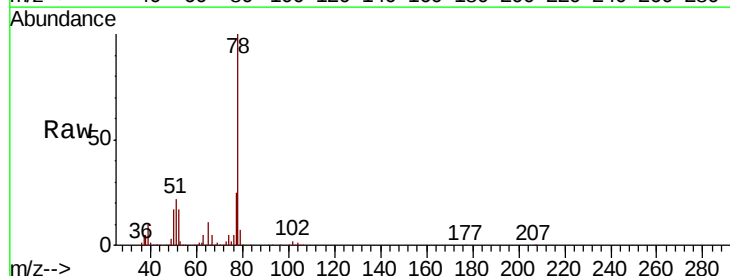
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

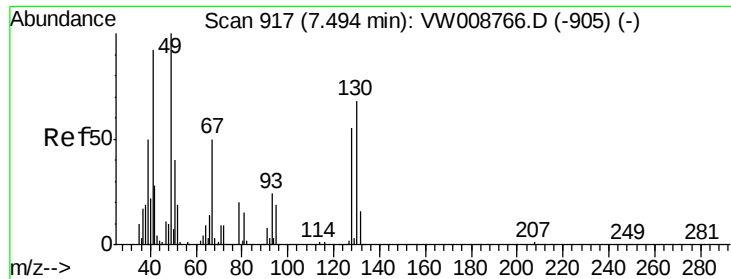
Tot Ion: 83 Resp: 238101
Ion Ratio Lower Upper
83 100
55 80.7 61.2 91.8
98 49.8 39.4 59.2



#40
Benzene
Concen: 51.897 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 78 Resp: 554061
Ion Ratio Lower Upper
78 100
77 24.9 19.3 28.9

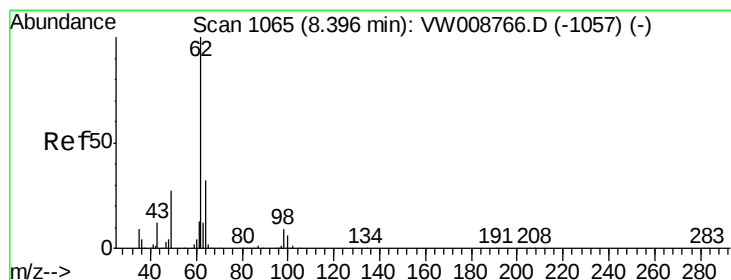
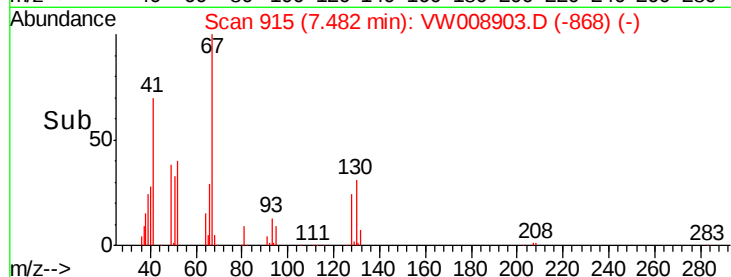
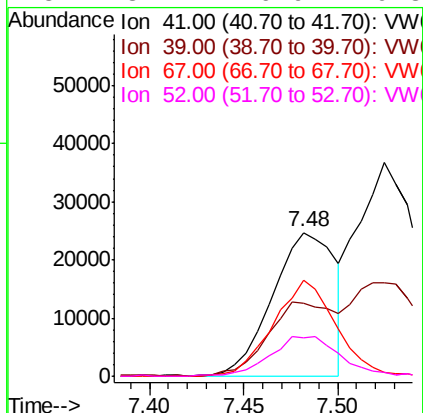
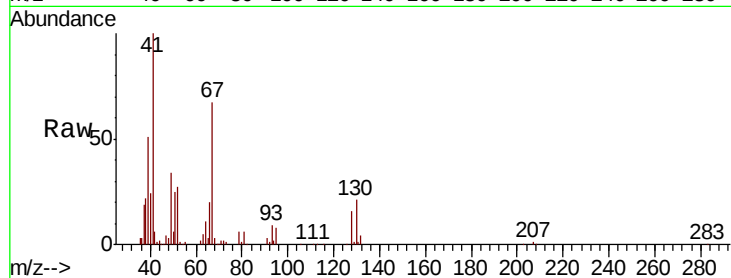




#41
Methacrylonitrile
Concen: 53.123 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

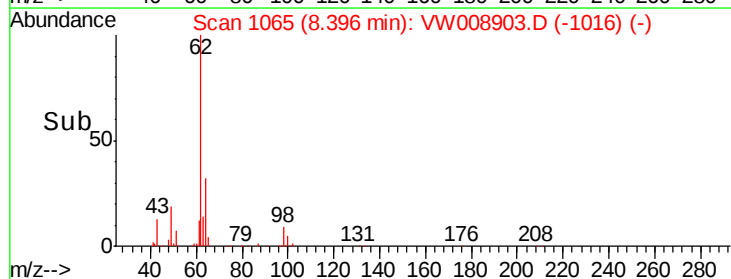
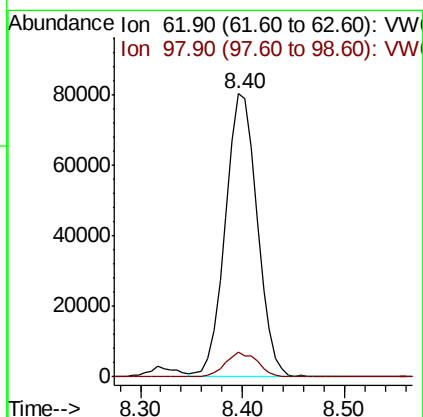
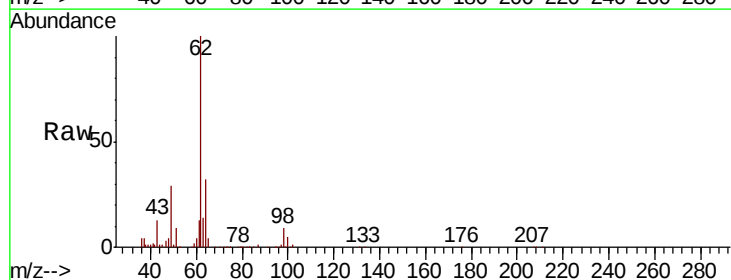
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

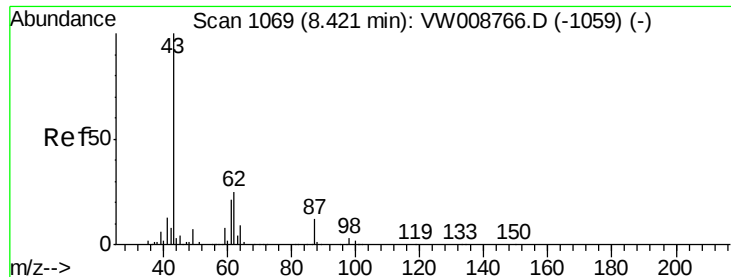
Tot Ion:	41	Resp:	56779
Ion	Ratio	Lower	Upper
41	100		
39	55.0	52.5	78.7
67	67.3	55.0	82.6
52	31.4	26.9	40.3



#42
1,2-Dichloroethane
Concen: 51.614 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion:	62	Resp:	174554
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 52.157 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

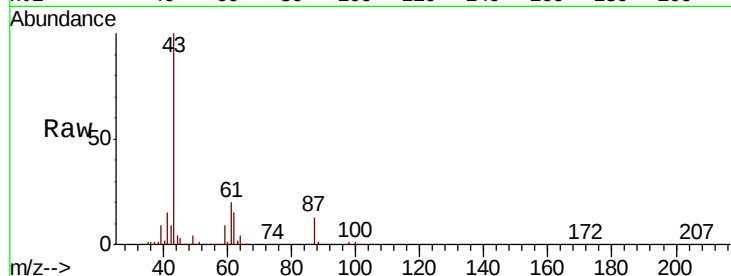
Tot Ion: 43 Resp: 189279

Ion Ratio Lower Upper

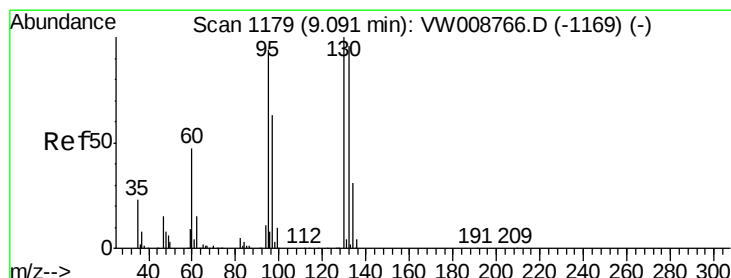
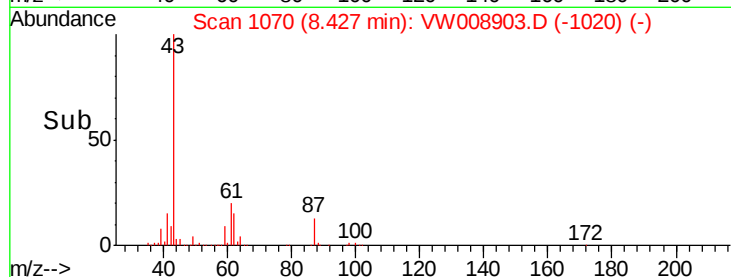
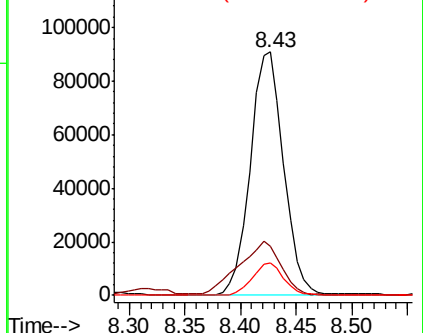
43 100

61 28.2 23.2 34.8

87 12.6 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: 50.253 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008903.D

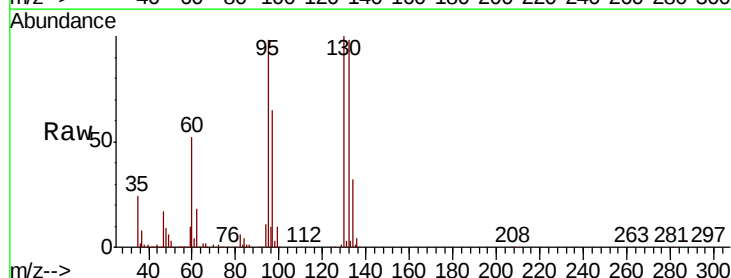
Acq: 28 Feb 2019 23:32

Tgt Ion:130 Resp: 151137

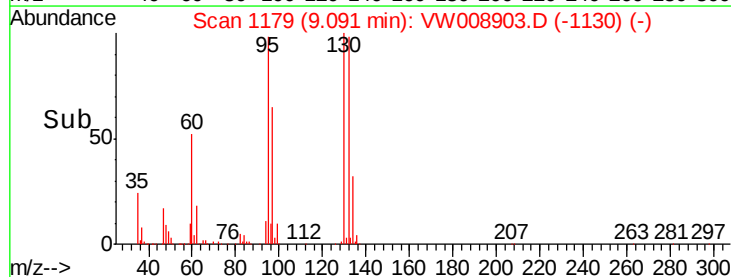
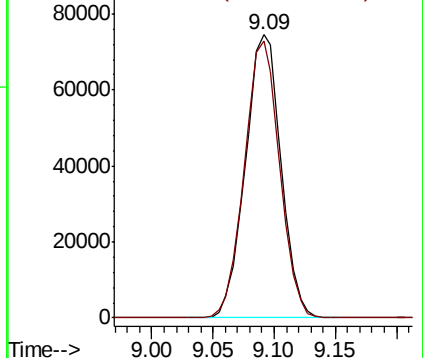
Ion Ratio Lower Upper

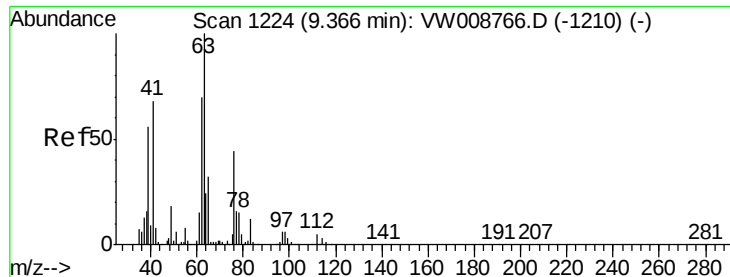
130 100

95 97.6 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: 51.706 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

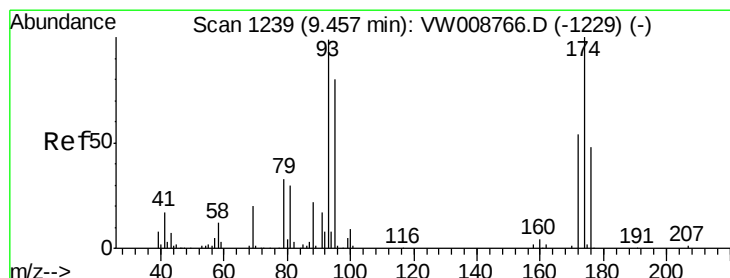
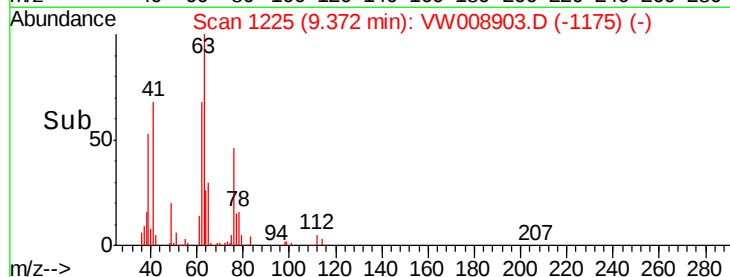
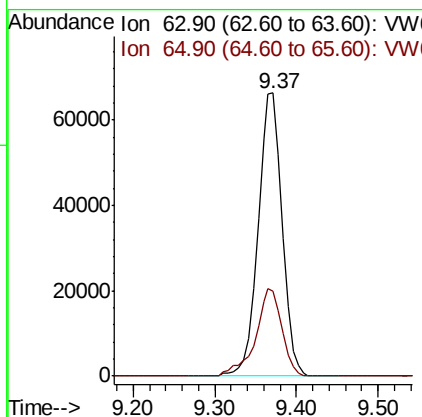
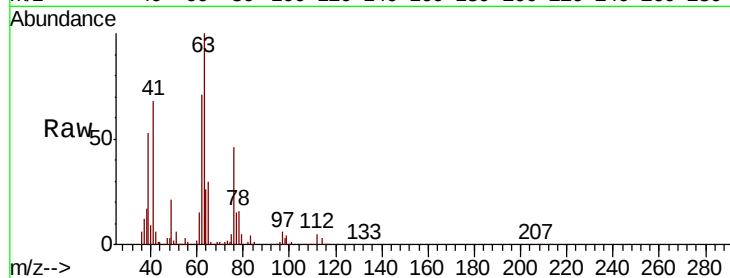
VSTDCCC050

Tot Ion: 63 Resp: 136412

Ion Ratio Lower Upper

63 100

65 29.9 25.5 38.3



#46

Dibromomethane

Concen: 51.236 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

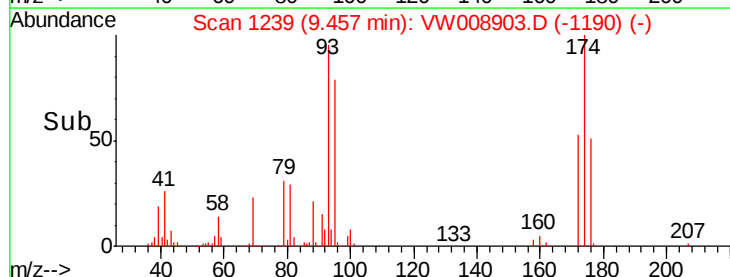
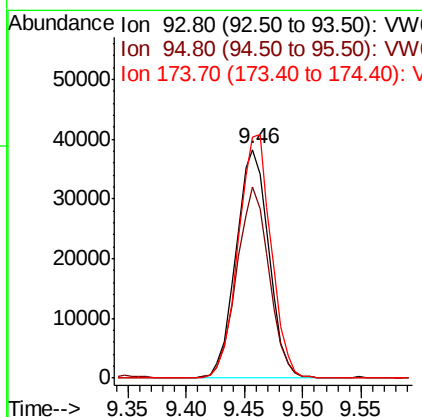
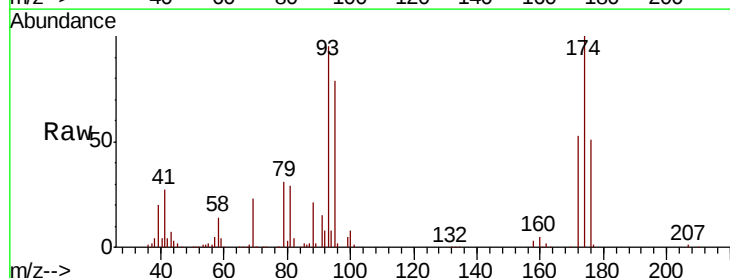
Tgt Ion: 93 Resp: 75187

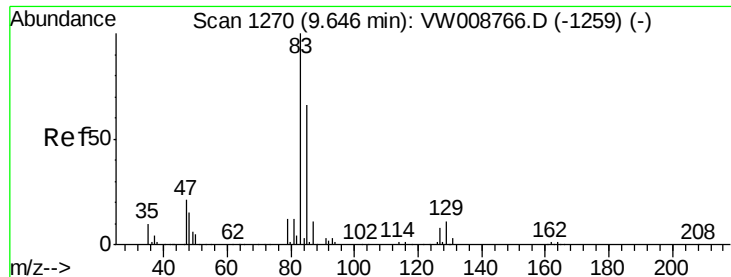
Ion Ratio Lower Upper

93 100

95 82.6 67.7 101.5

174 106.9 86.7 130.1





#47

Bromodichloromethane

Concen: 51.968 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

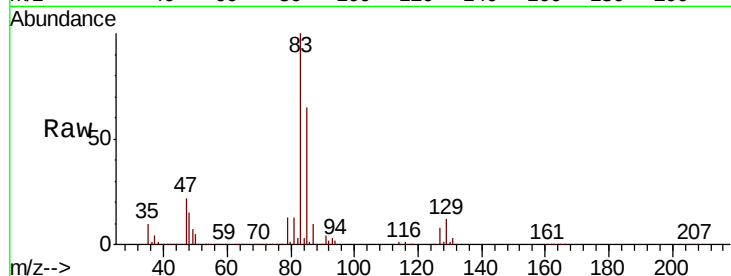
Tot Ion: 83 Resp: 185547

Ion Ratio Lower Upper

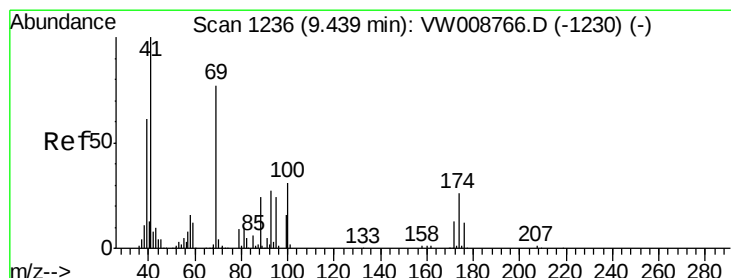
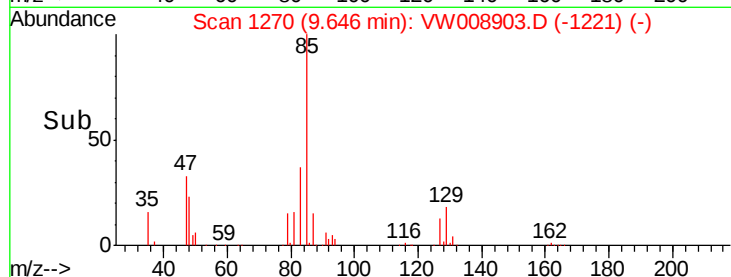
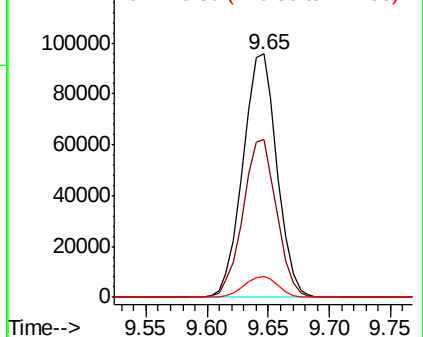
83 100

85 64.7 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): V



#48

Methyl methacrylate

Concen: 51.473 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

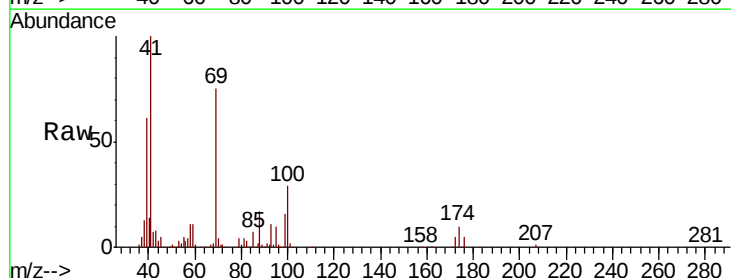
Tgt Ion: 41 Resp: 89466

Ion Ratio Lower Upper

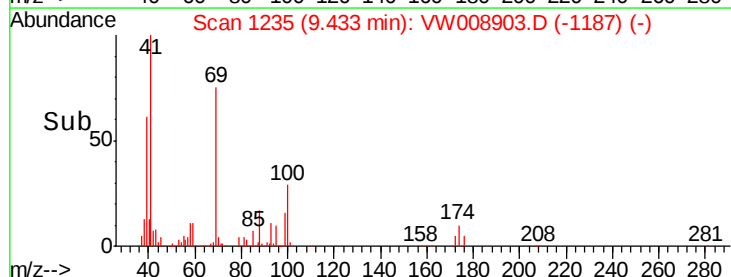
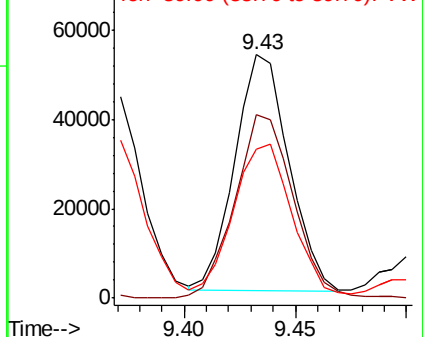
41 100

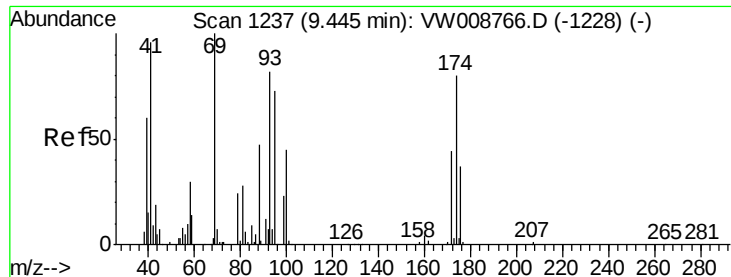
69 83.7 63.6 95.4

39 71.5 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

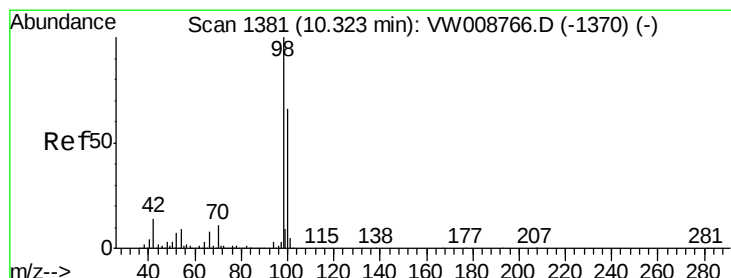
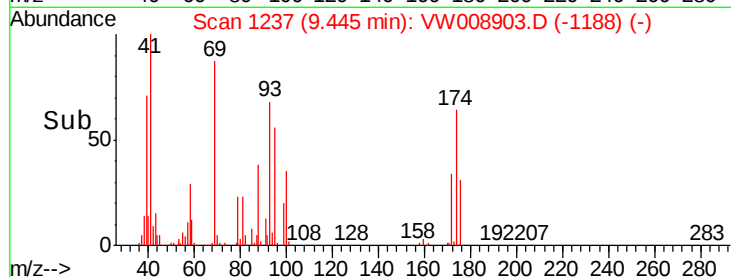
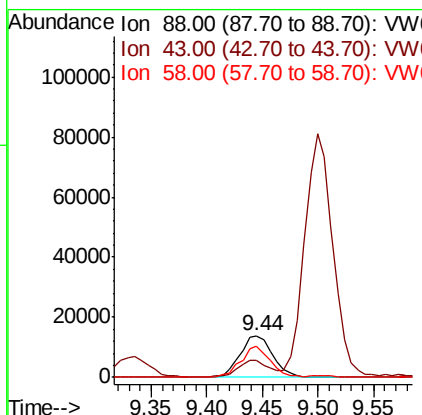
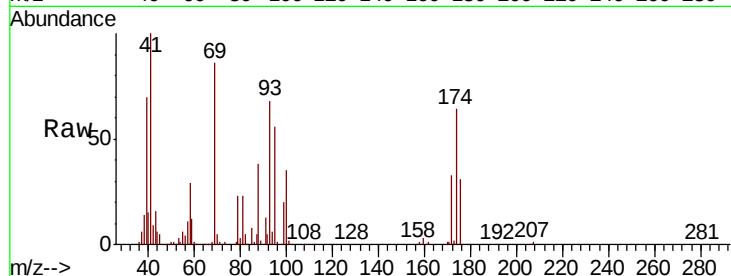




#49
1,4-Dioxane
Concen: 1198.371 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

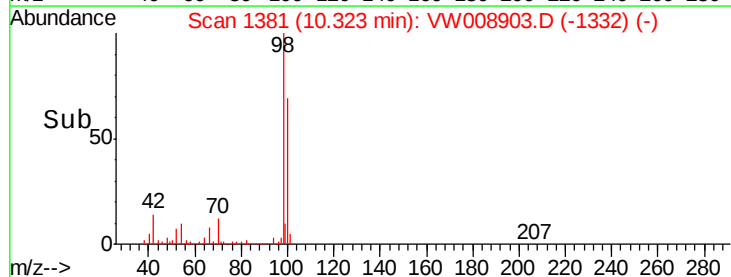
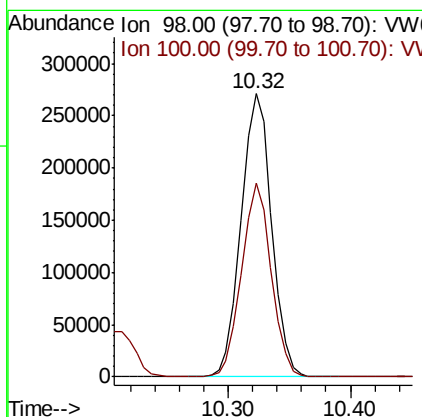
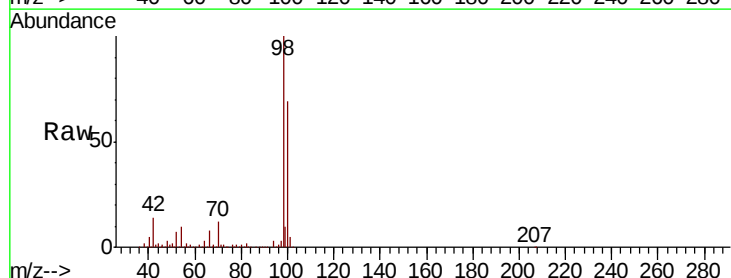
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

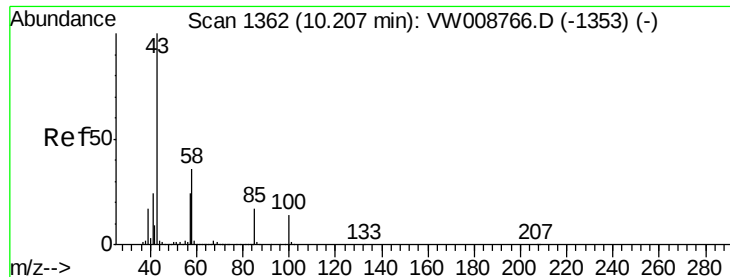
Tot Ion: 88 Resp: 28162
Ion Ratio Lower Upper
88 100
43 37.5 29.0 43.4
58 67.6 52.0 78.0



#50
Toluene-d8
Concen: 50.334 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 98 Resp: 468619
Ion Ratio Lower Upper
98 100
100 66.7 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 281.514 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

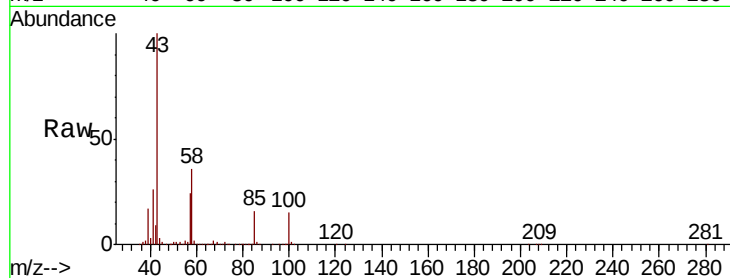
VSTDCCC050

Tot Ion: 43 Resp: 518678

Ion Ratio Lower Upper

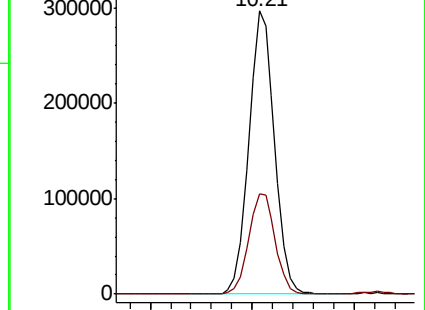
43 100

58 36.7 29.1 43.7

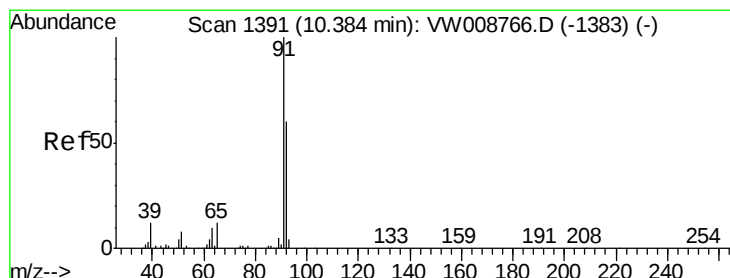
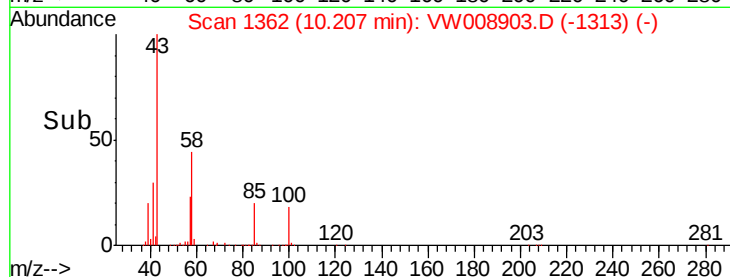


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#52

Toluene

Concen: 52.982 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008903.D

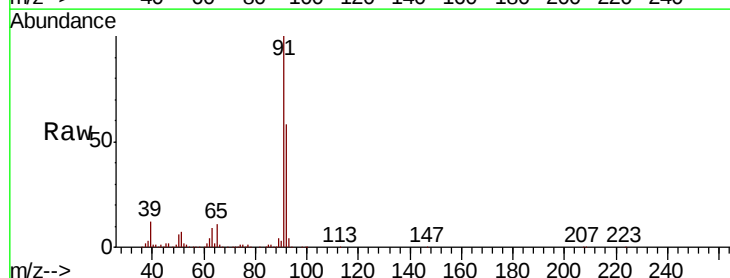
Acq: 28 Feb 2019 23:32

Tgt Ion: 92 Resp: 383888

Ion Ratio Lower Upper

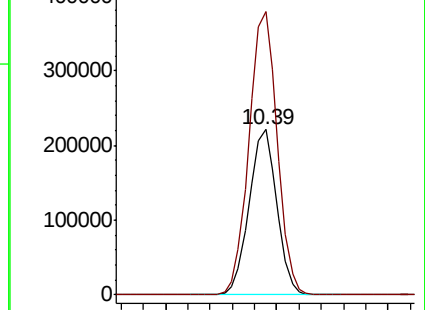
92 100

91 174.0 136.9 205.3

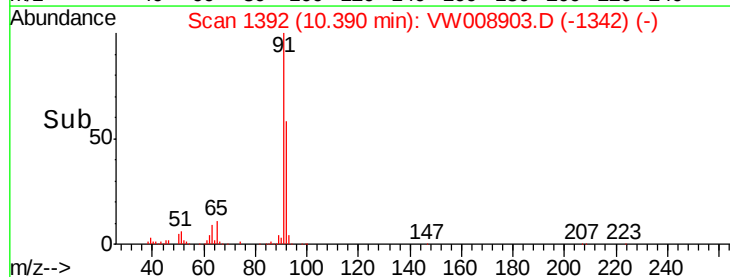


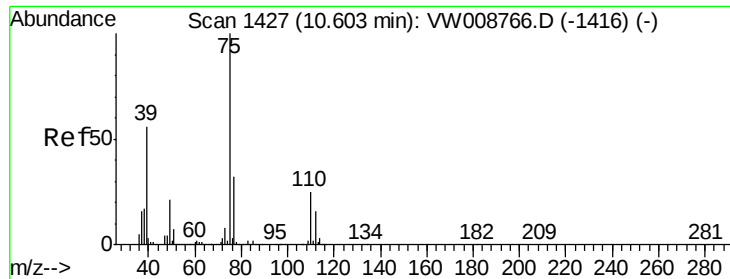
Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



Time-->





#53

t-1,3-Dichloropropene

Concen: 50.885 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

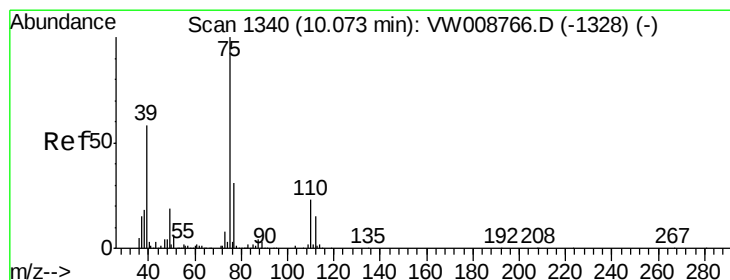
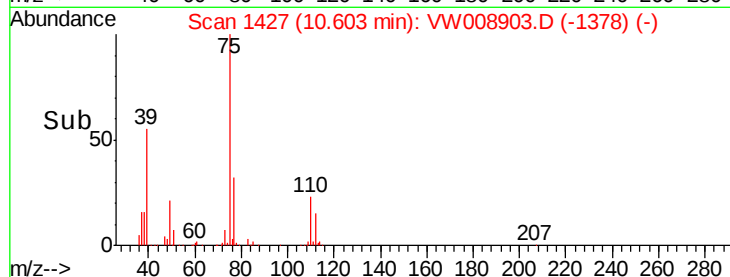
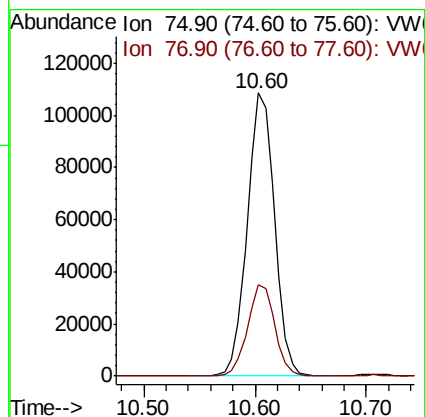
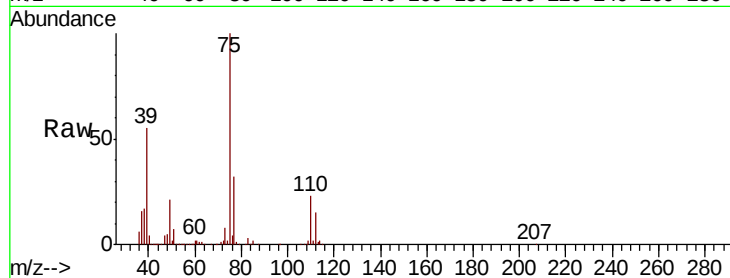
VSTDCCC050

Tot Ion: 75 Resp: 185179

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 51.446 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

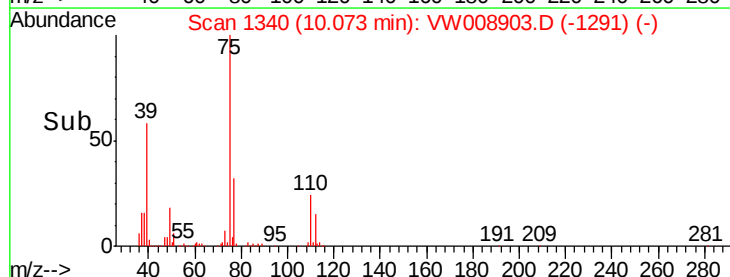
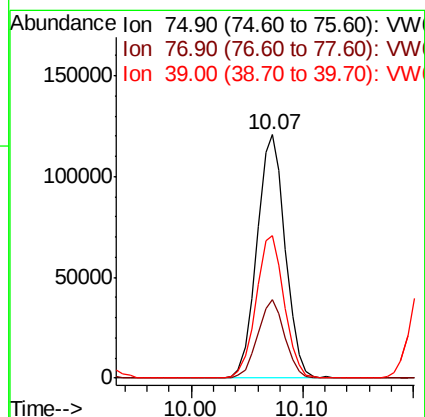
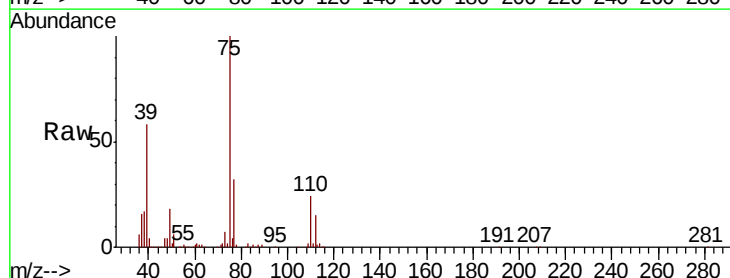
Tgt Ion: 75 Resp: 213530

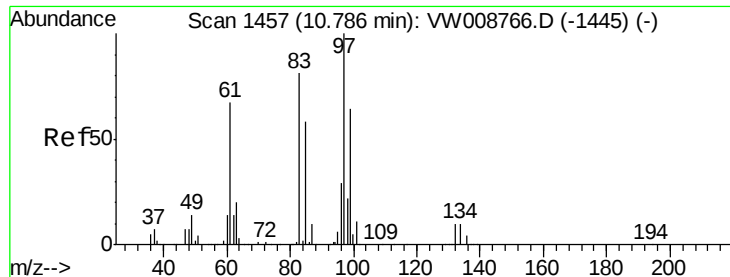
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 58.1 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 53.732 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 106934

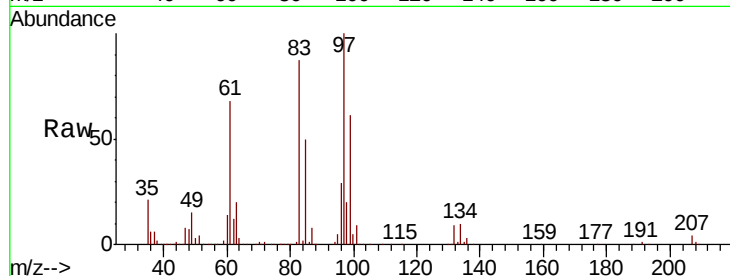
Ion Ratio Lower Upper

97 100

83 86.7 65.0 97.6

85 50.0 46.0 69.0

99 61.1 51.1 76.7



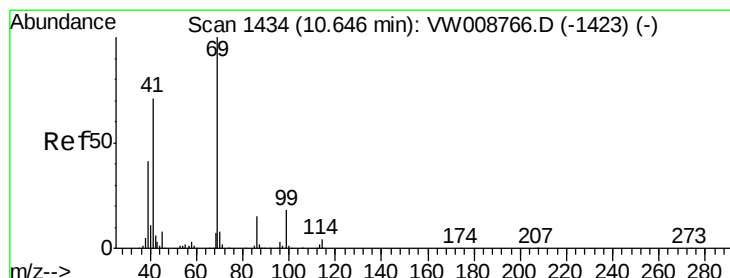
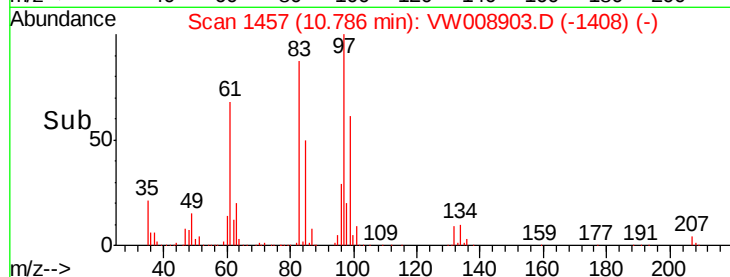
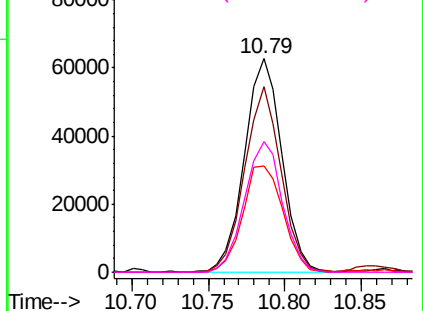
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 56.701 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

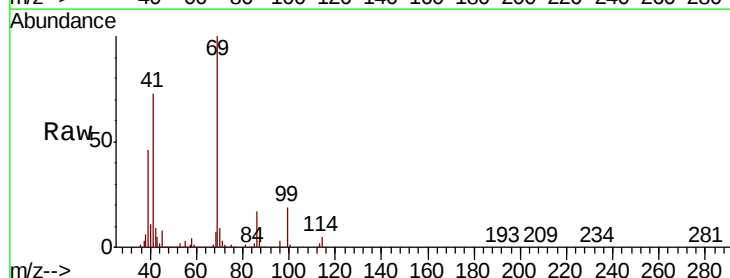
Tgt Ion: 69 Resp: 146605

Ion Ratio Lower Upper

69 100

41 74.5 57.4 86.0

39 43.4 34.8 52.2

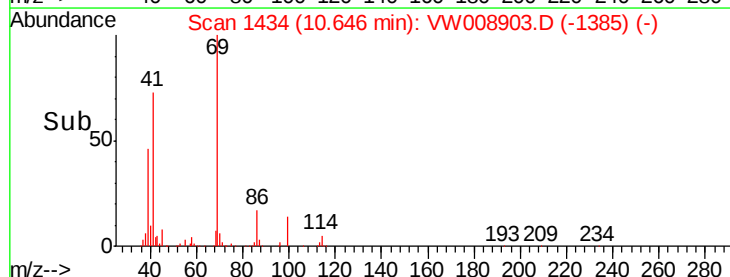
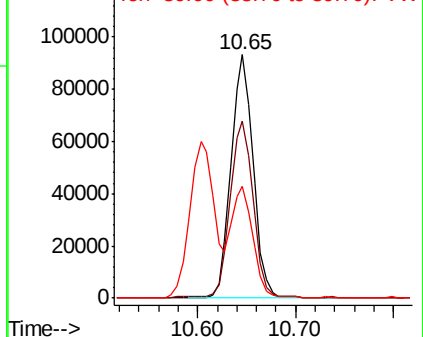


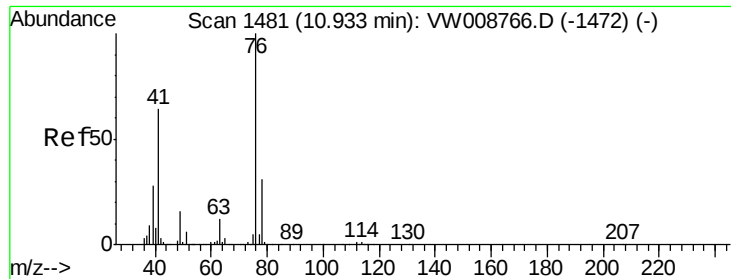
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

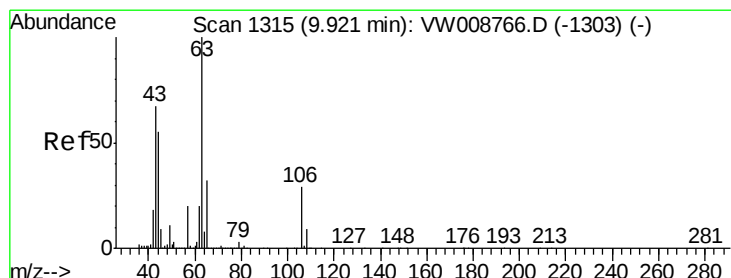
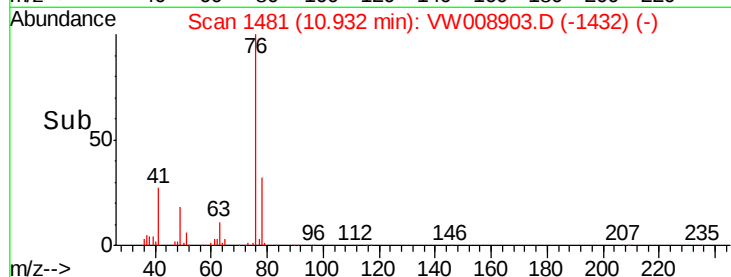
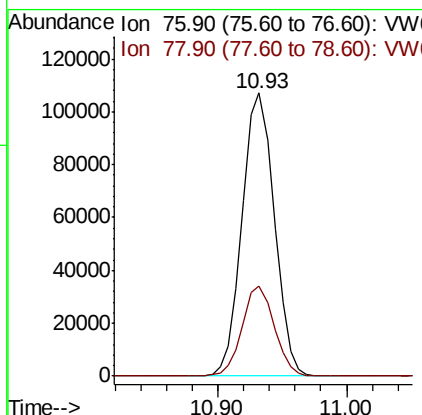
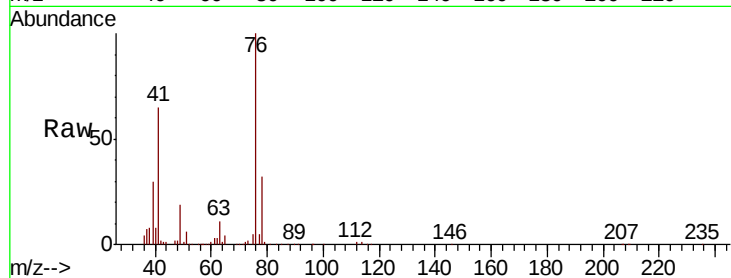




#57
 1,3-Dichloropropane
 Concen: 52.825 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

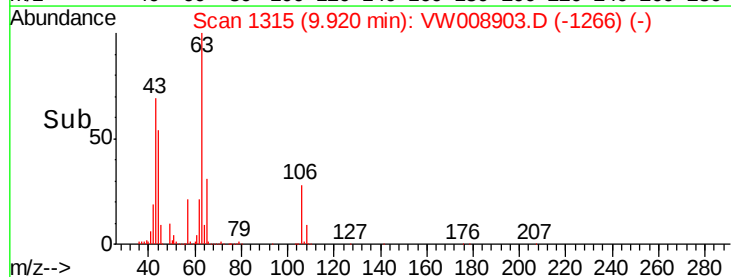
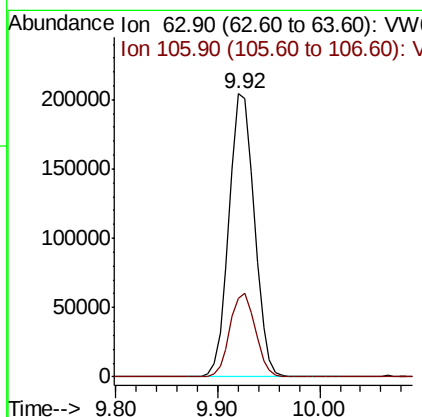
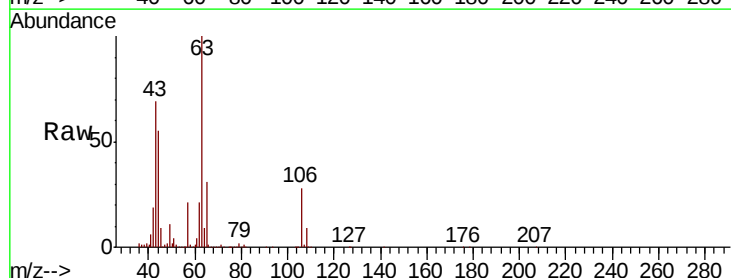
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

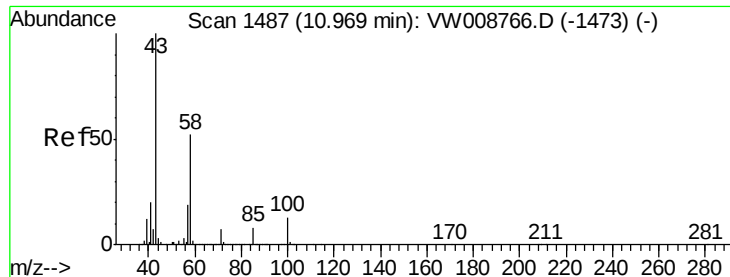
Tot Ion: 76 Resp: 185615
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.574 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion: 63 Resp: 351858
 Ion Ratio Lower Upper
 63 100
 106 29.6 24.0 36.0

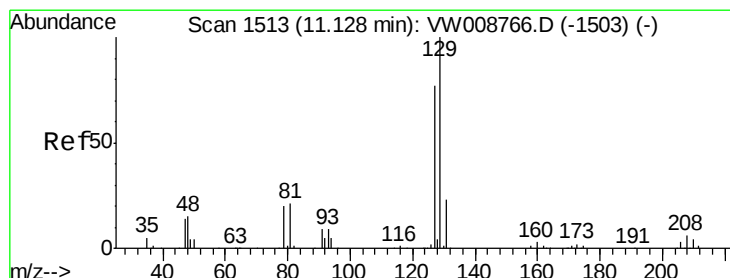
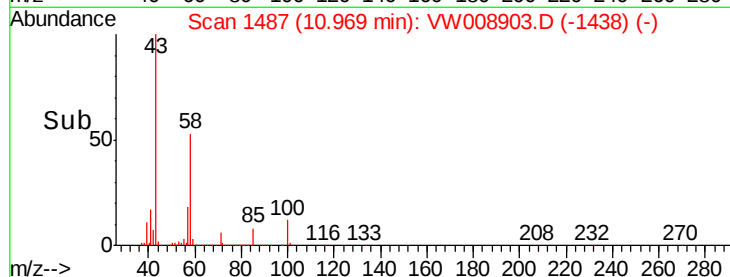
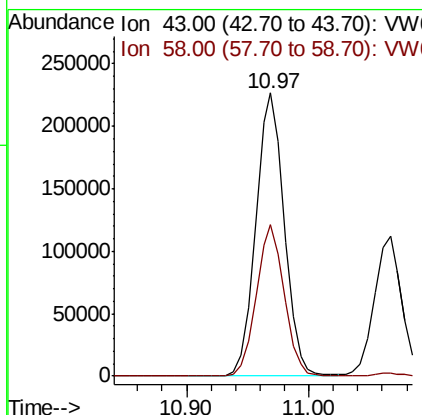
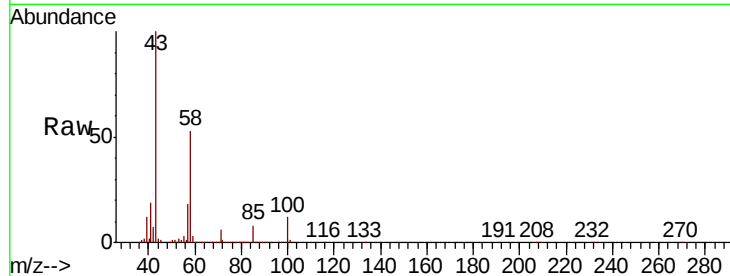




#59
2-Hexanone
Concen: 279.691 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

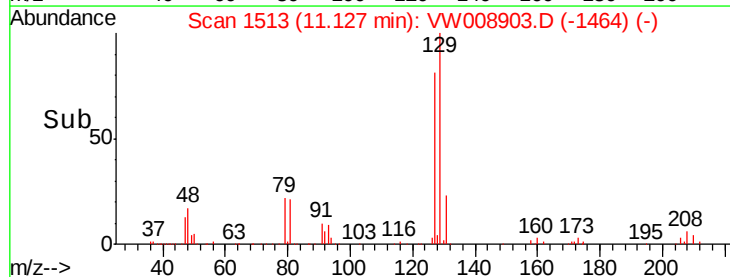
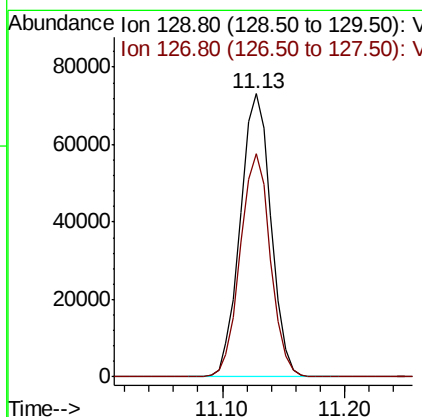
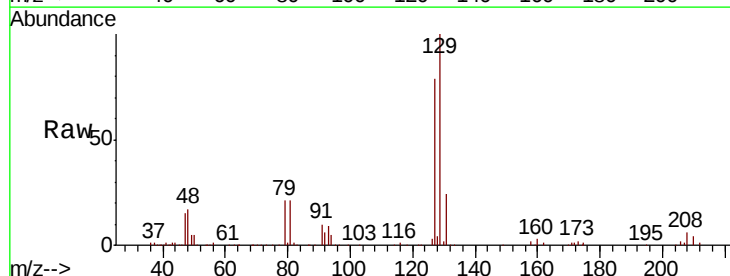
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

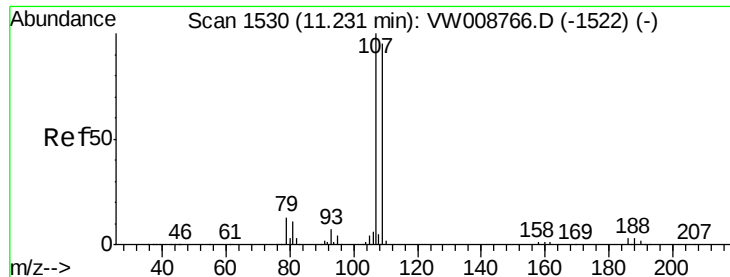
Tot Ion: 43 Resp: 366826
Ion Ratio Lower Upper
43 100
58 52.4 25.3 75.8



#60
Dibromochloromethane
Concen: 52.605 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 129 Resp: 127695
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9

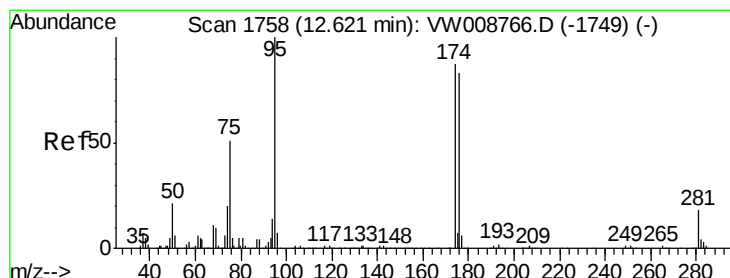
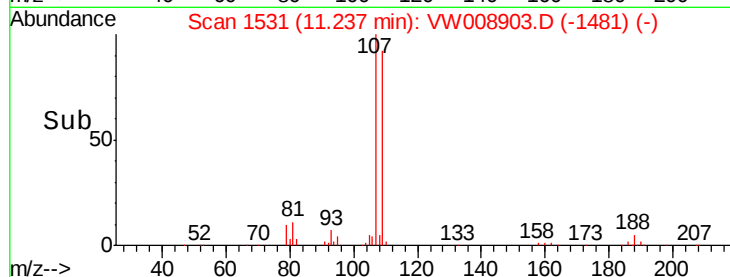
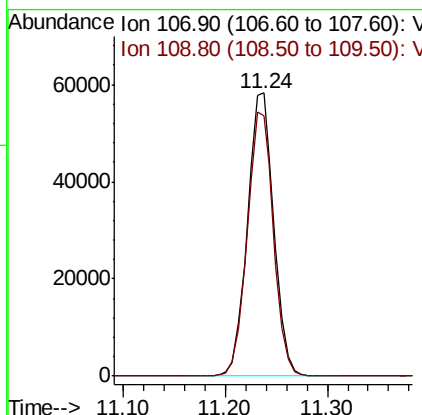
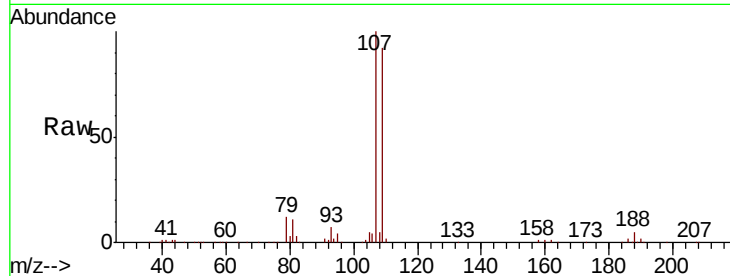




#61
 1,2-Dibromoethane
 Concen: 53.168 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

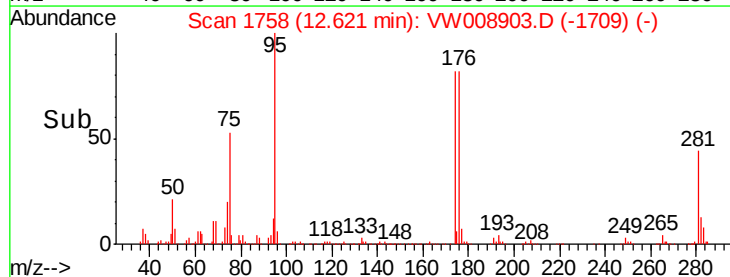
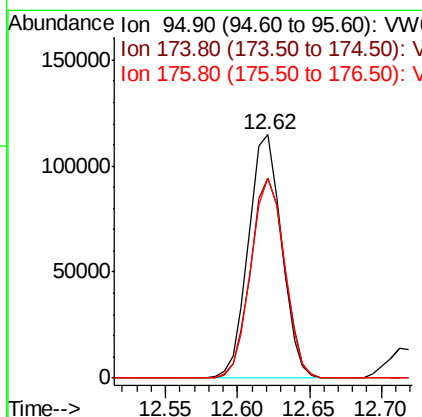
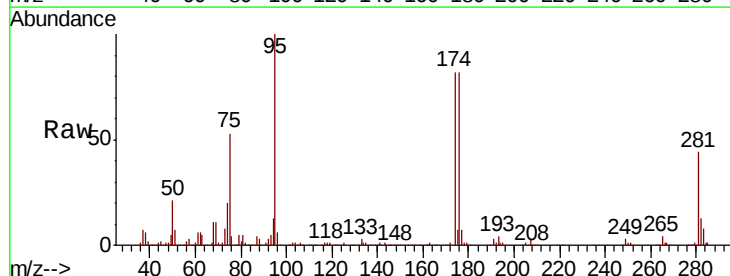
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

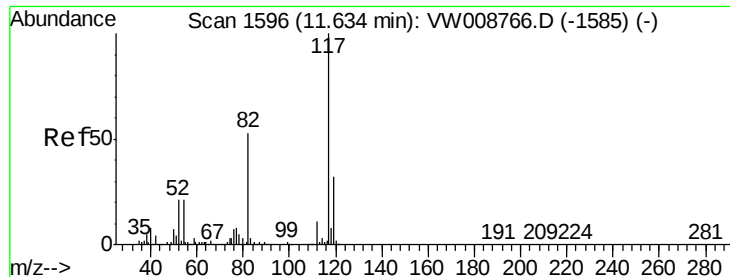
Tot Ion:107 Resp: 104737
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 50.190 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion: 95 Resp: 182962
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 169.2
 176 83.5 0.0 163.6

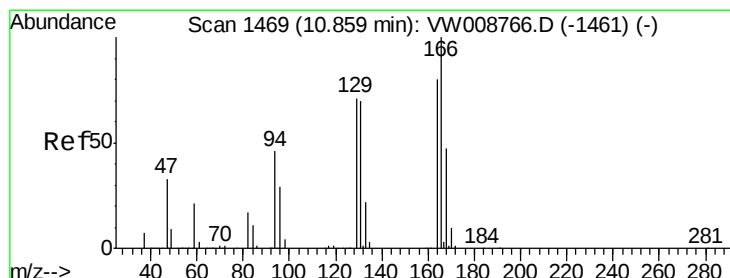
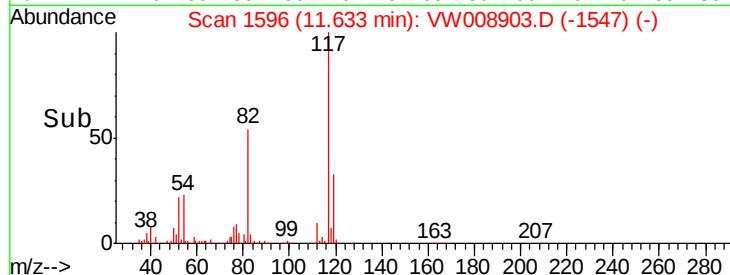
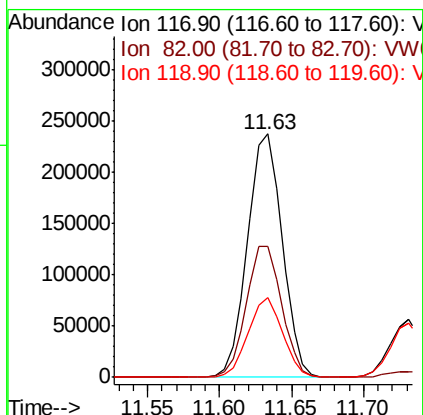
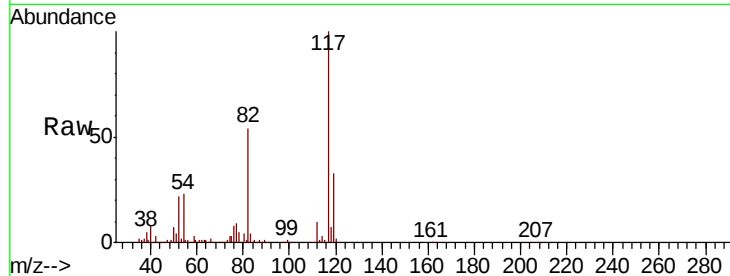




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

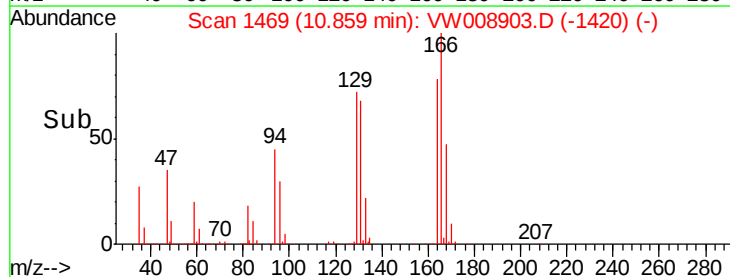
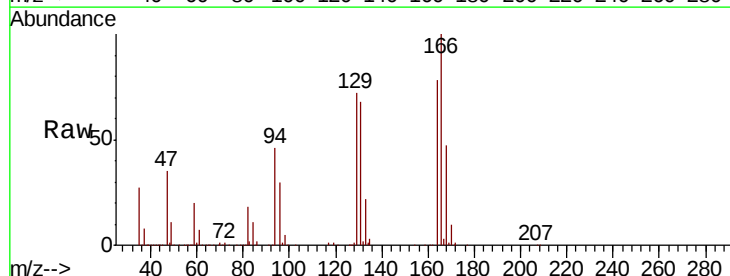
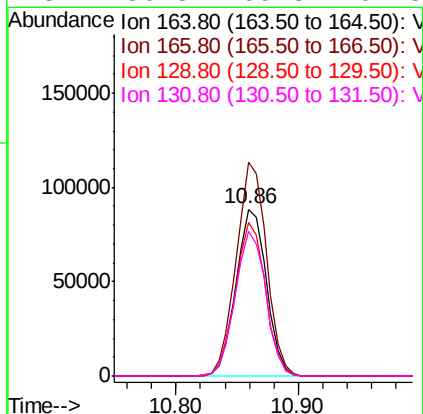
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

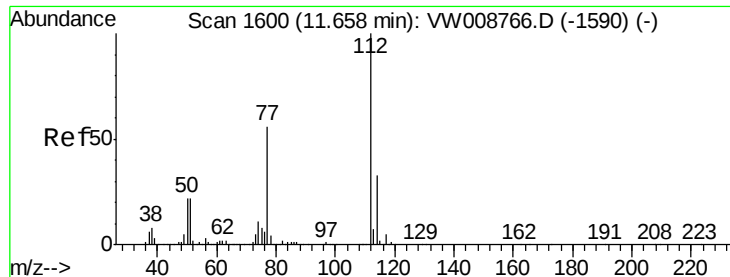
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.2	63.4
119	32.6	25.9	38.9



#64
Tetrachloroethene
Concen: 53.661 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	99.5	149.3
129	91.7	71.1	106.7
131	86.8	69.8	104.8

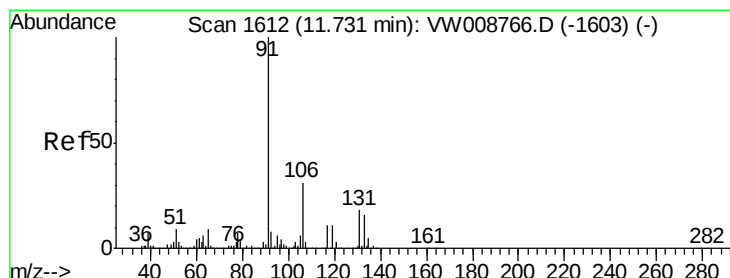
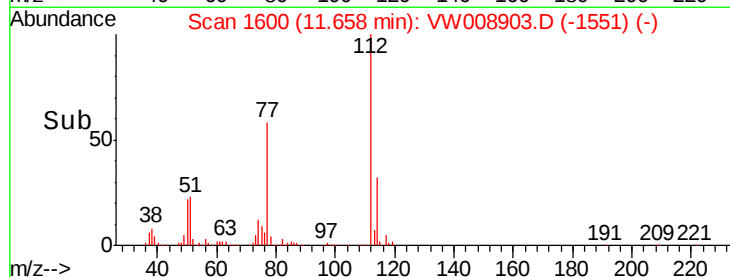
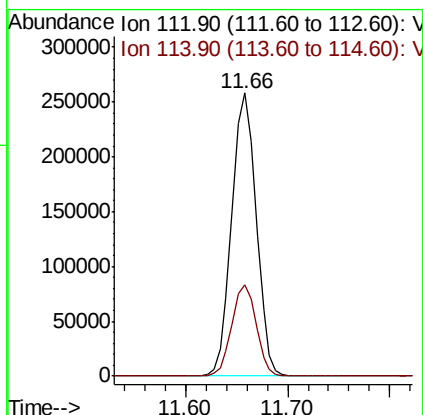
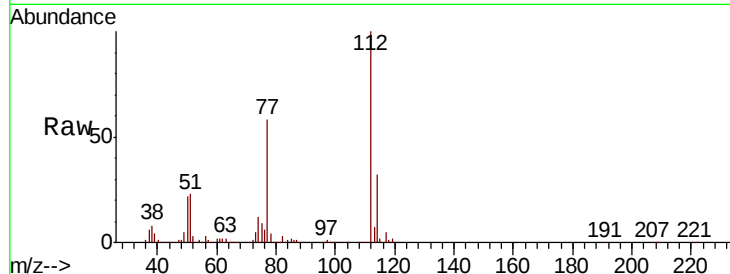




#65
Chlorobenzene
Concen: 51.345 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

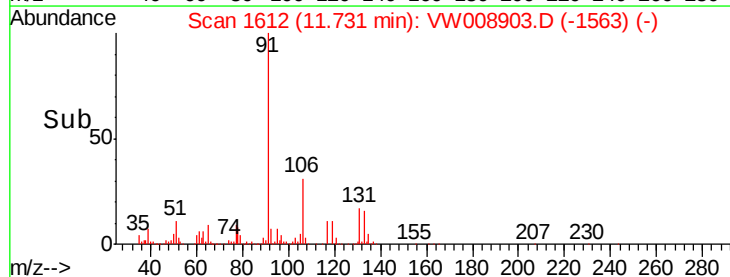
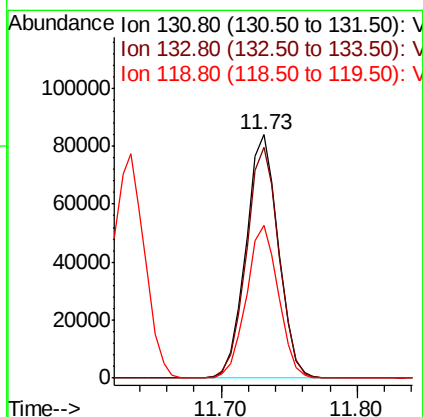
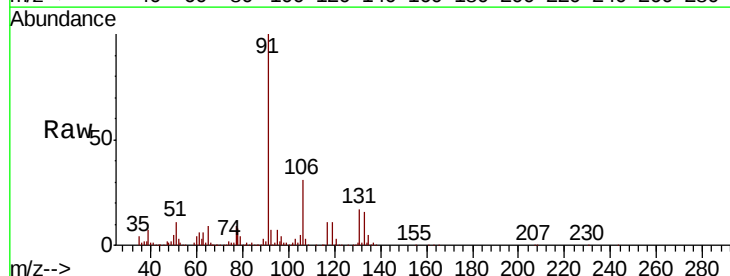
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

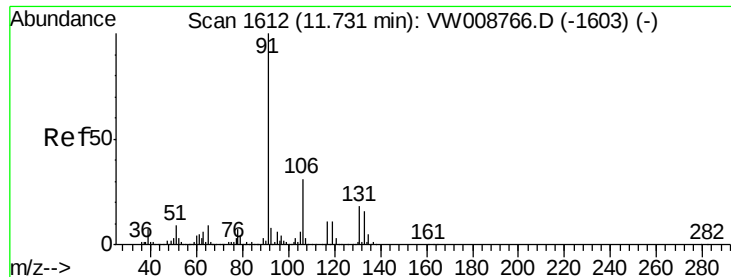
Tot Ion:112 Resp: 428668
Ion Ratio Lower Upper
112 100
114 32.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.697 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion:131 Resp: 140292
Ion Ratio Lower Upper
131 100
133 95.3 46.7 140.0
119 62.0 30.8 92.4

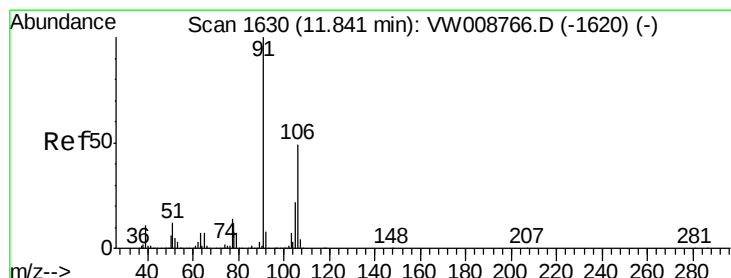
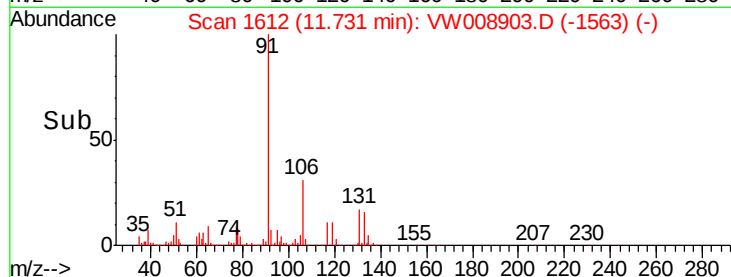
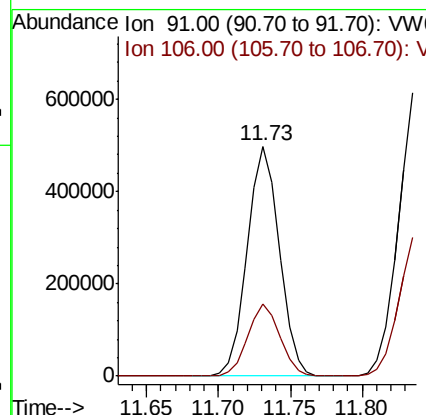
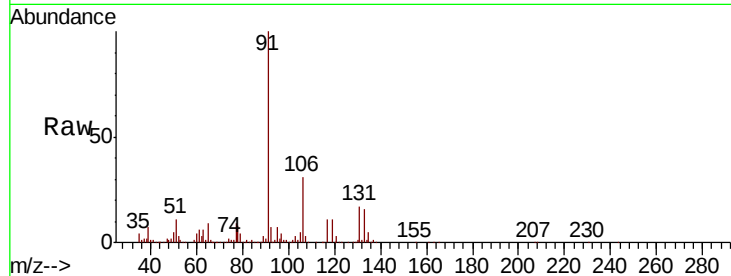




#67
Ethyl Benzene
Concen: 51.583 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

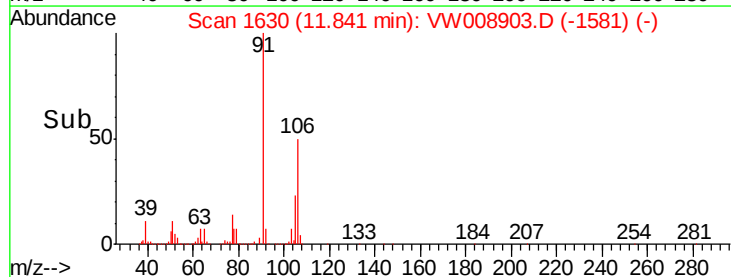
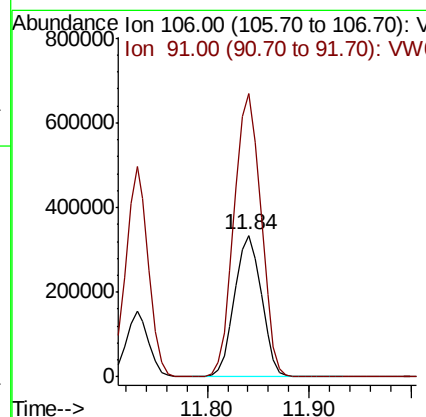
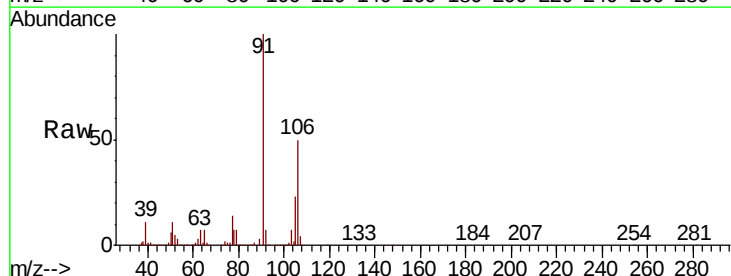
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

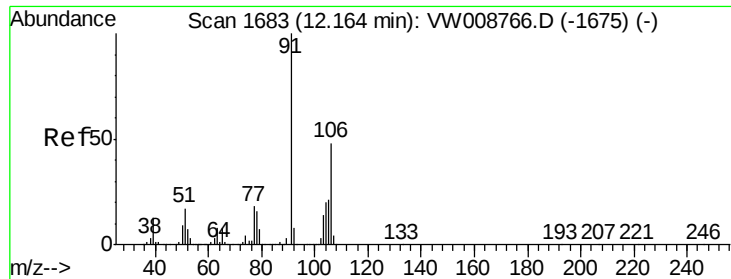
Tot Ion: 91 Resp: 769863
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 102.453 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 106 Resp: 610949
Ion Ratio Lower Upper
106 100
91 200.7 161.5 242.3

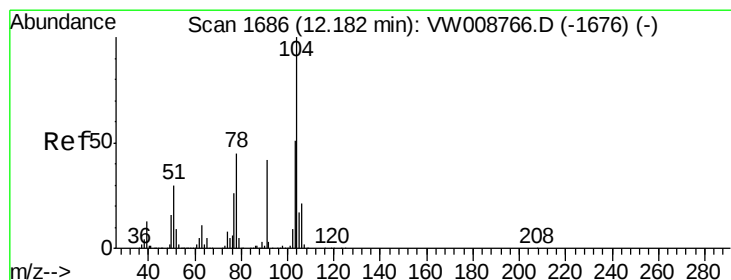
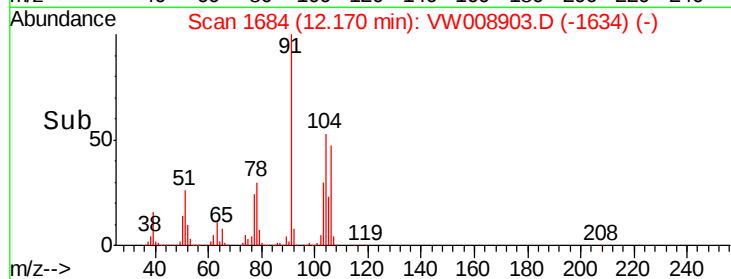
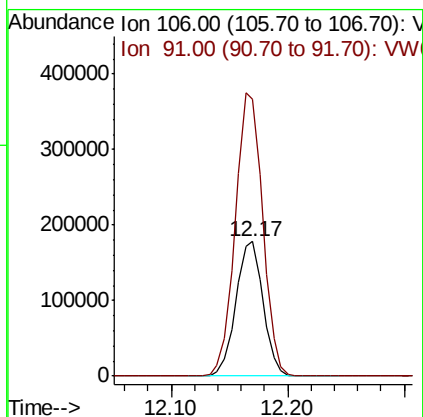
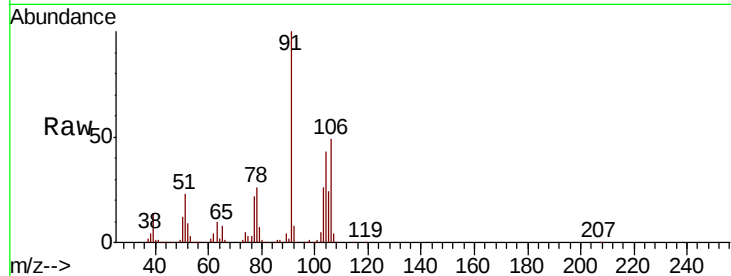




#69
o-Xylene
Concen: 51.911 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

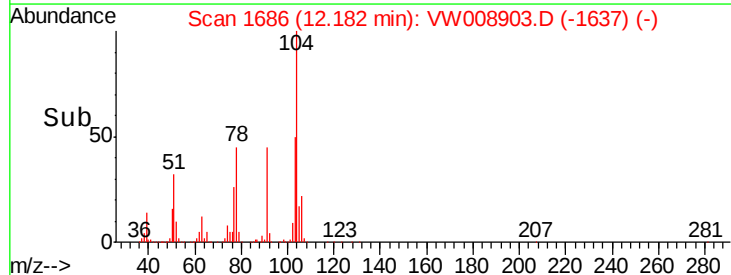
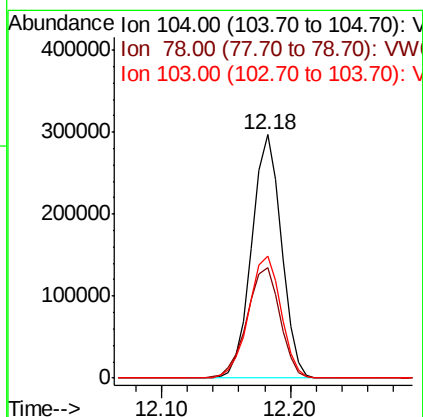
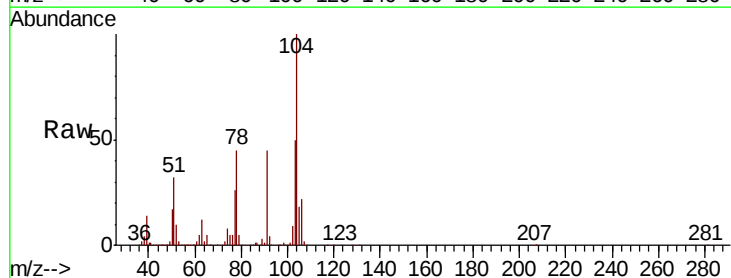
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

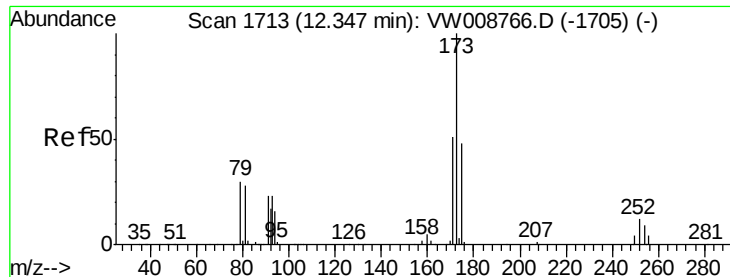
Tot Ion:106 Resp: 290552
Ion Ratio Lower Upper
106 100
91 212.1 106.2 318.6



#70
Styrene
Concen: 52.383 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion:104 Resp: 471707
Ion Ratio Lower Upper
104 100
78 50.8 40.8 61.2
103 54.6 44.2 66.2

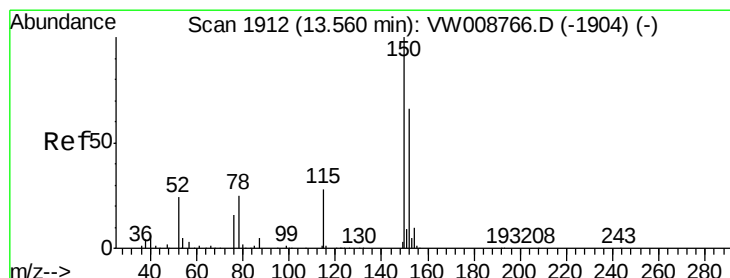
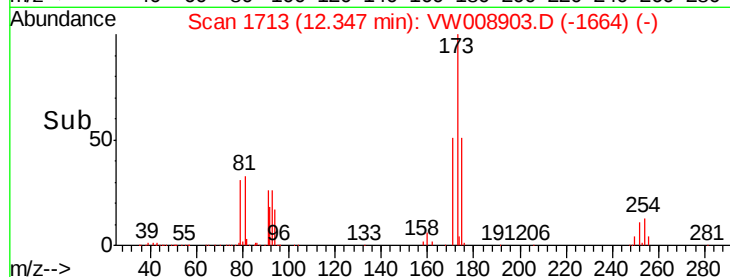
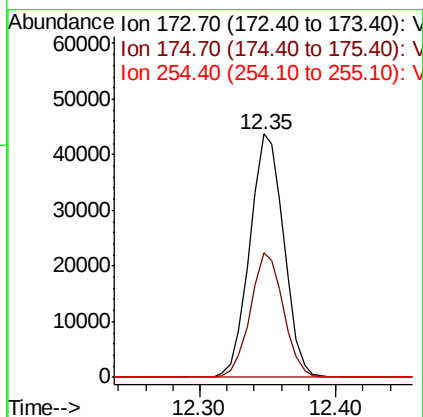
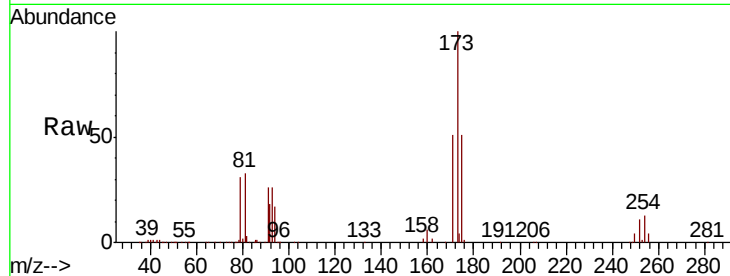




#71
Bromoform
Concen: 50.608 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

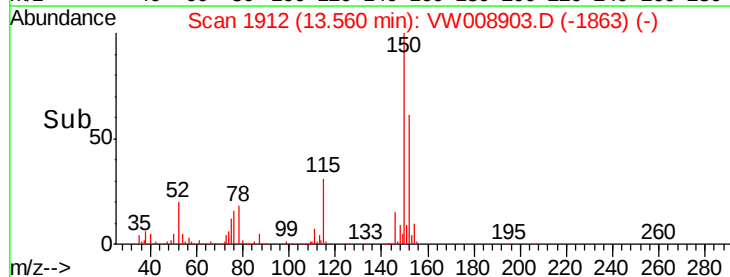
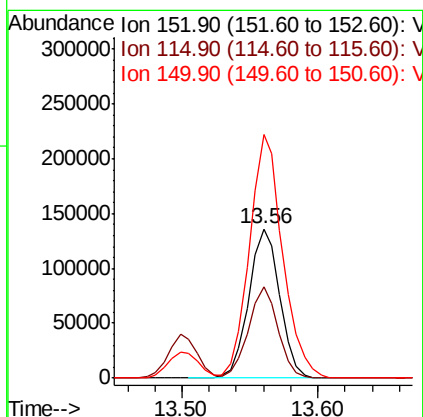
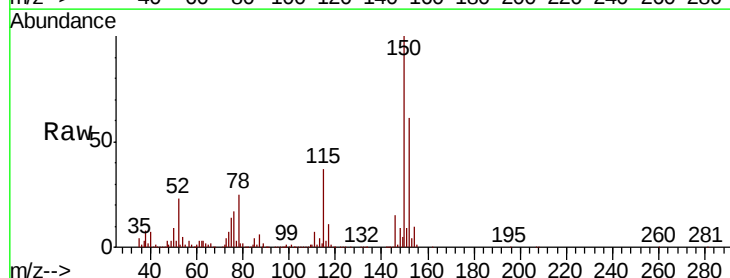
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

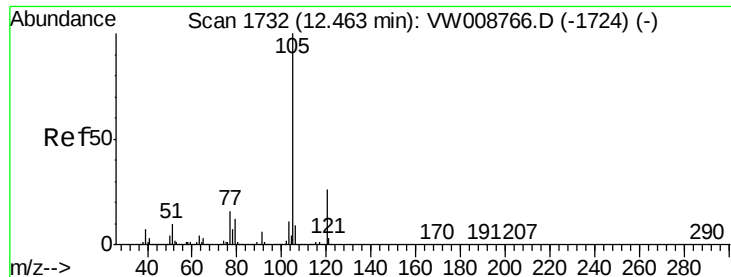
Tot Ion:173 Resp: 76794
Ion Ratio Lower Upper
173 100
175 49.6 24.2 72.6
254 0.1 0.2 0.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion:152 Resp: 217197
Ion Ratio Lower Upper
152 100
115 58.1 28.6 85.8
150 175.1 0.0 348.0





#73

Isopropylbenzene

Concen: 52.624 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

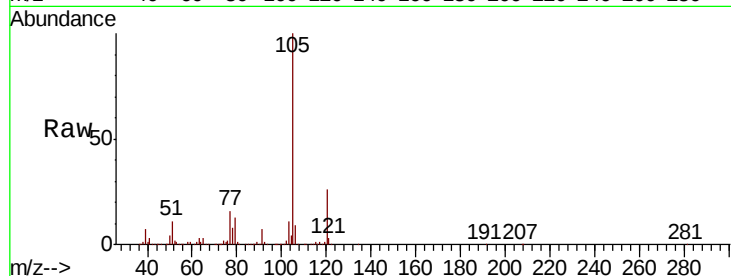
VSTDCCC050

Tot Ion:105 Resp: 783553

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

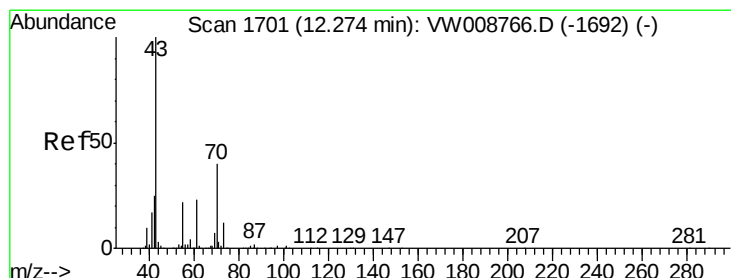
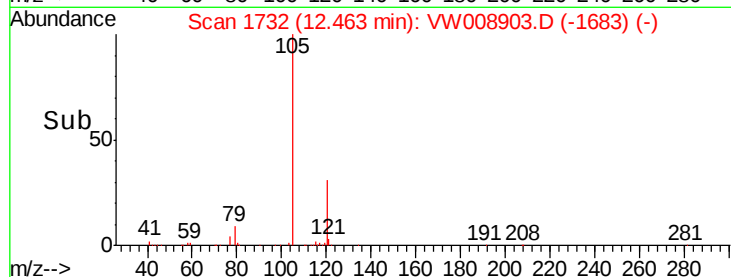
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 55.552 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Tgt Ion: 43 Resp: 208353

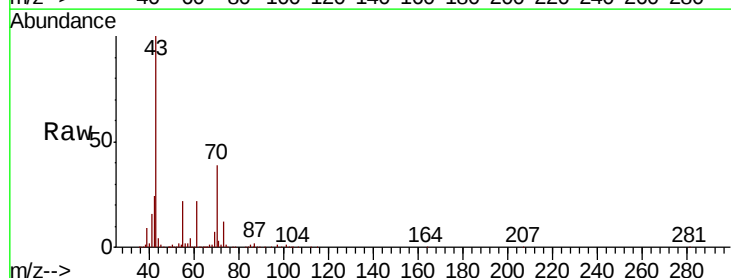
Ion Ratio Lower Upper

43 100

70 39.3 31.0 46.6

55 22.6 18.7 28.1

61 22.6 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

12.27

200000

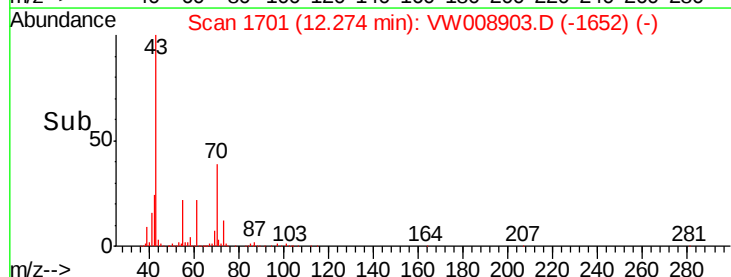
150000

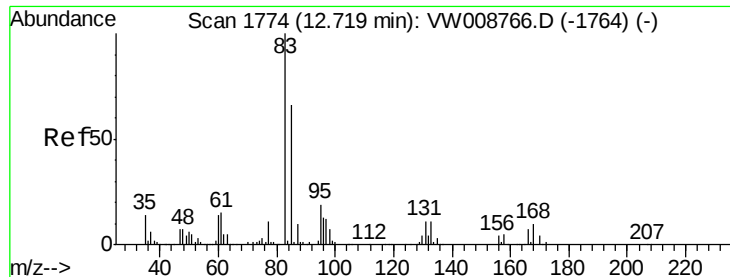
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 52.254 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

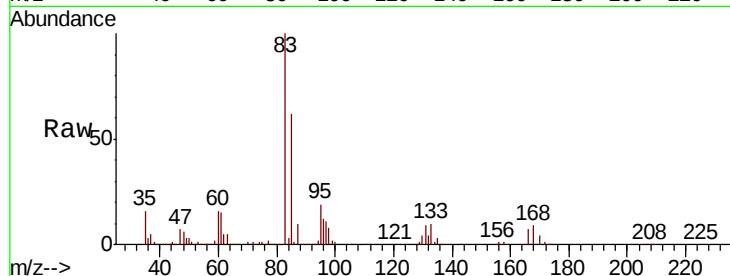
Tot Ion: 83 Resp: 127131

Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.7

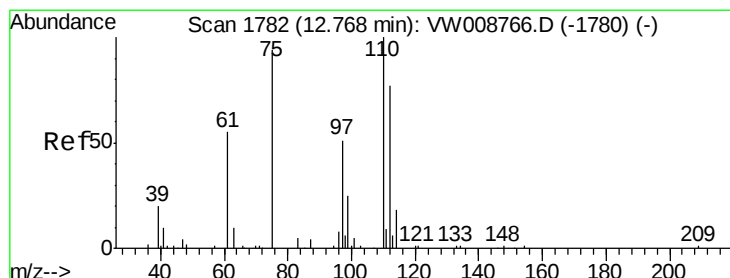
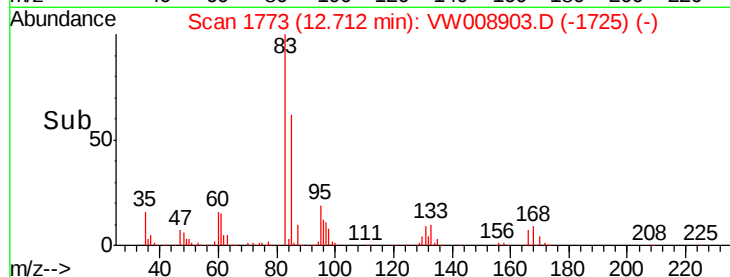
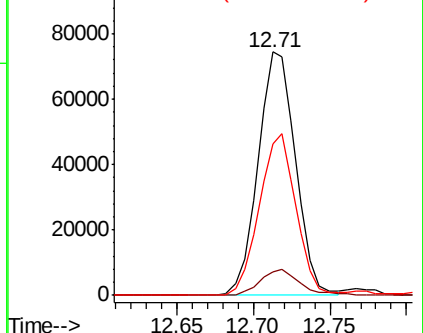
85 65.2 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.104 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008903.D

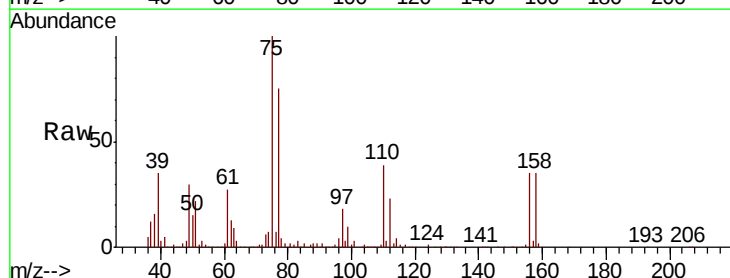
Acq: 28 Feb 2019 23:32

Tgt Ion: 75 Resp: 174131

Ion Ratio Lower Upper

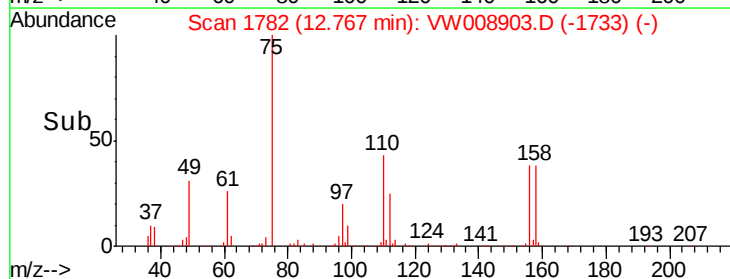
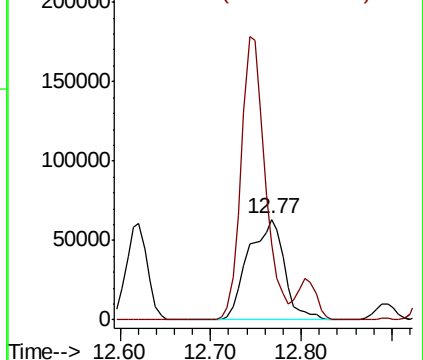
75 100

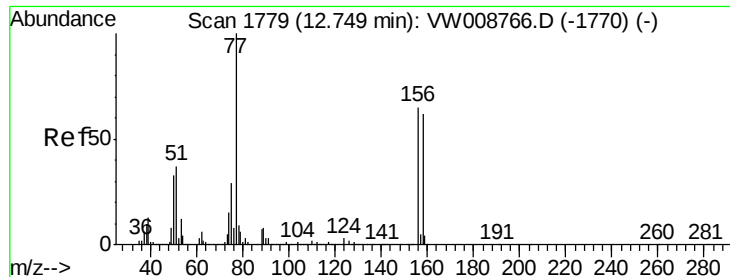
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.461 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

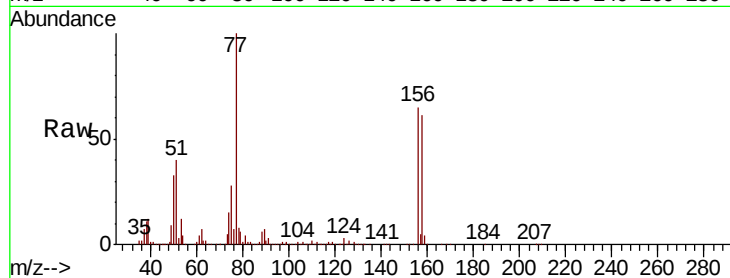
Tot Ion:156 Resp: 184589

Ion Ratio Lower Upper

156 100

77 178.3 89.1 267.4

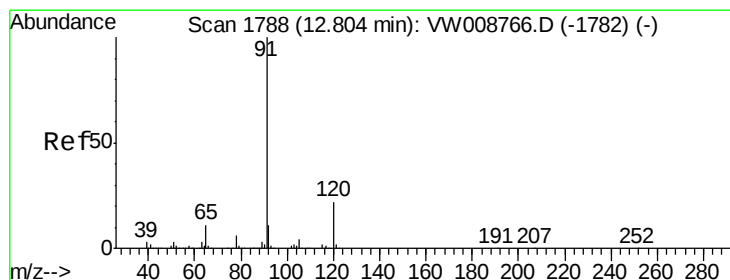
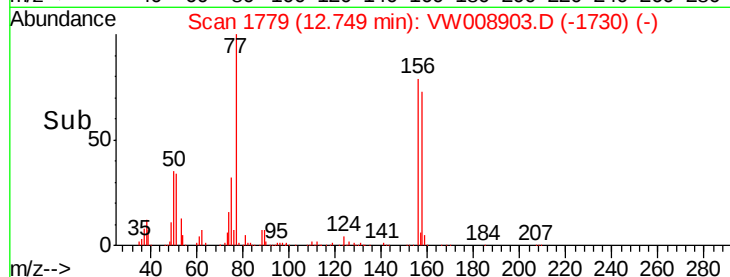
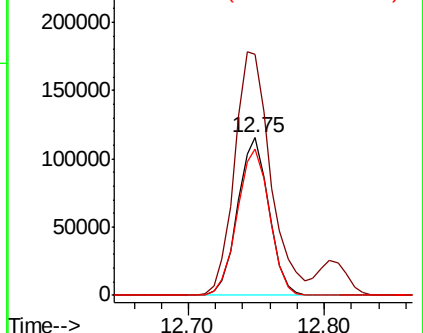
158 95.8 49.2 147.6



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: 52.239 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008903.D

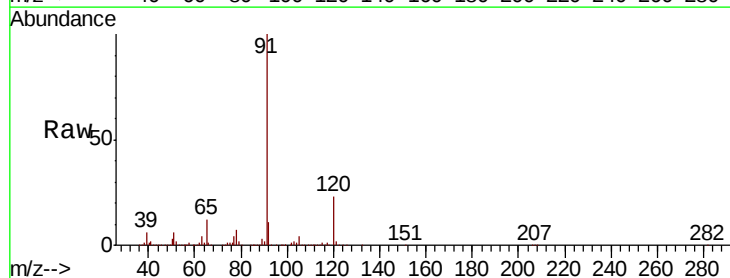
Acq: 28 Feb 2019 23:32

Tgt Ion: 91 Resp: 951465

Ion Ratio Lower Upper

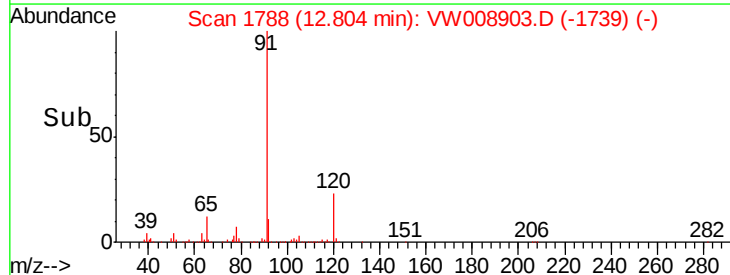
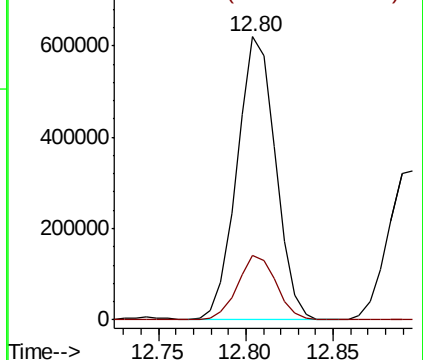
91 100

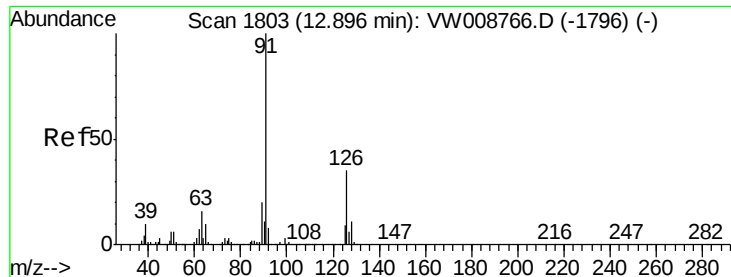
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.339 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

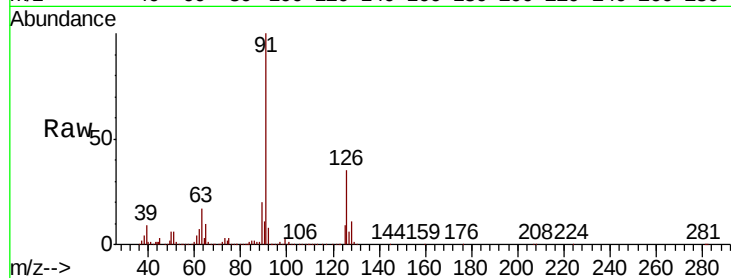
VSTDCCC050

Tot Ion: 91 Resp: 541238

Ion Ratio Lower Upper

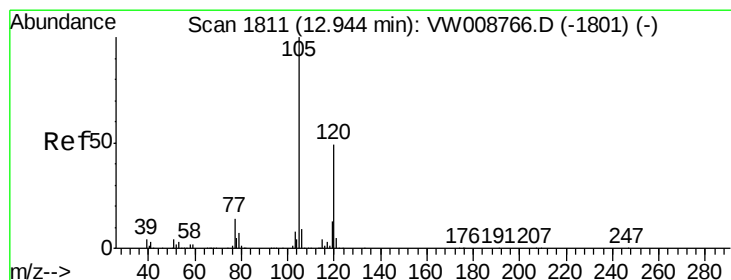
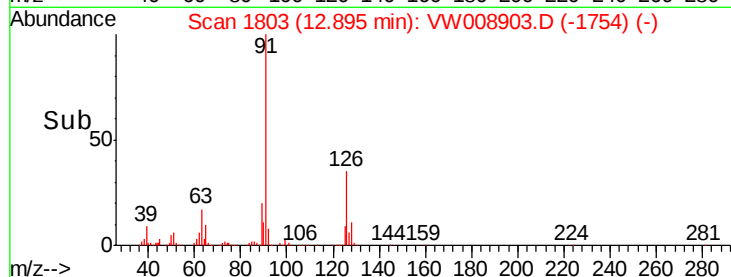
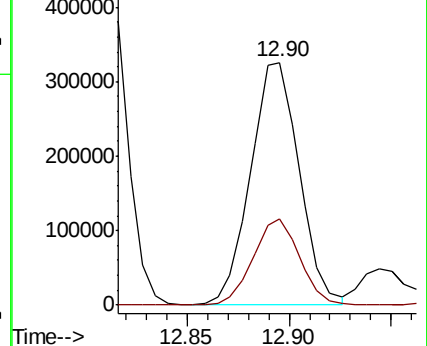
91 100

126 34.1 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: 52.296 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008903.D

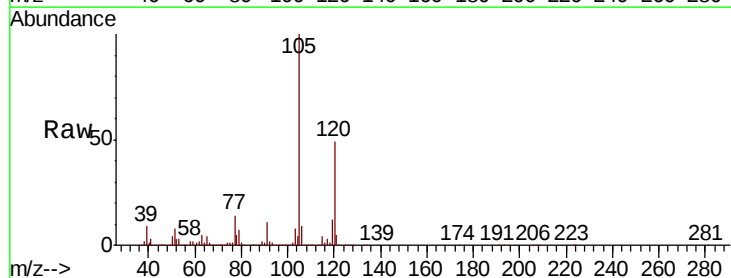
Acq: 28 Feb 2019 23:32

Tgt Ion:105 Resp: 676686

Ion Ratio Lower Upper

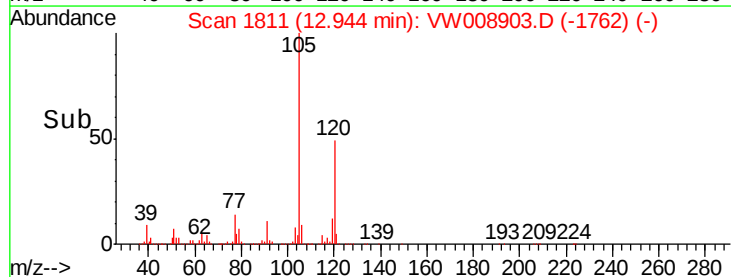
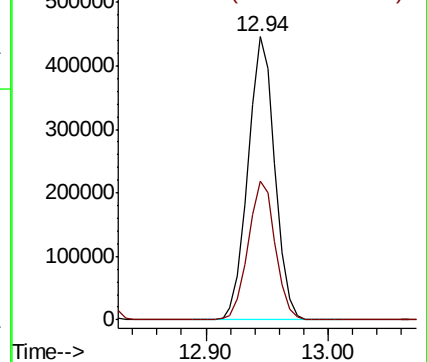
105 100

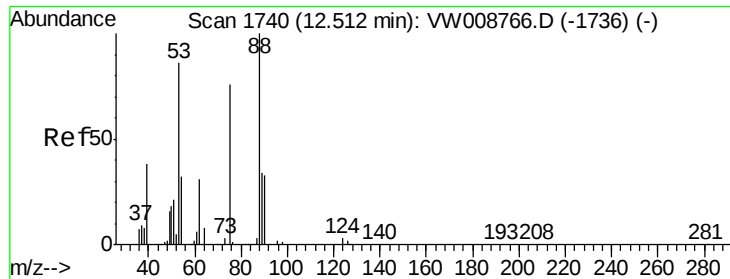
120 49.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

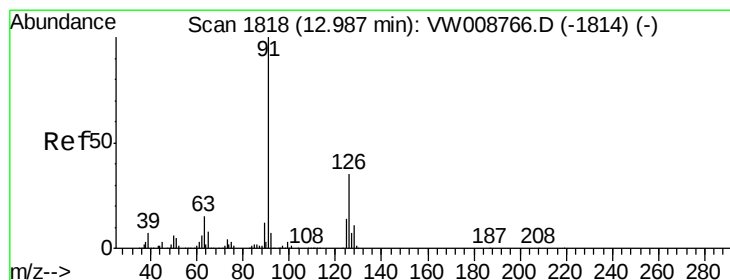
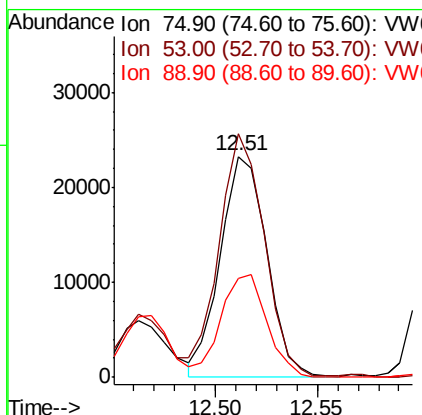
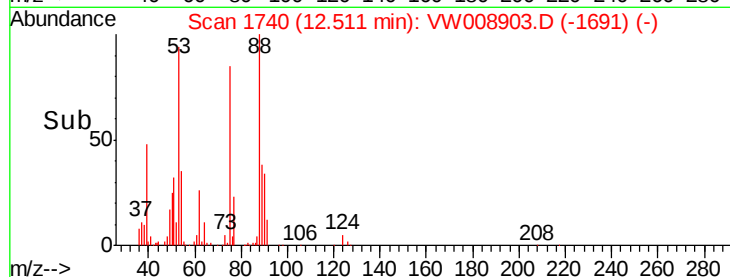
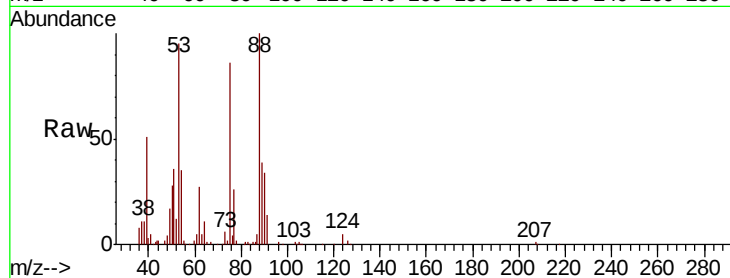




#81
trans-1,4-Dichloro-2-butene
Concen: 49.454 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

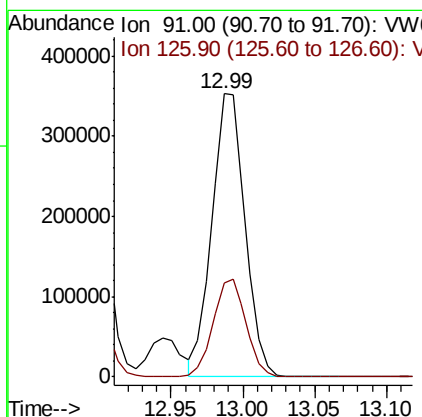
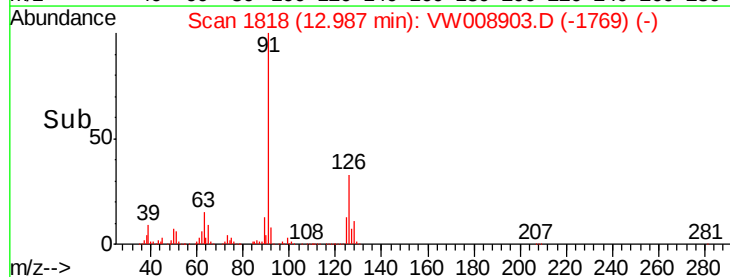
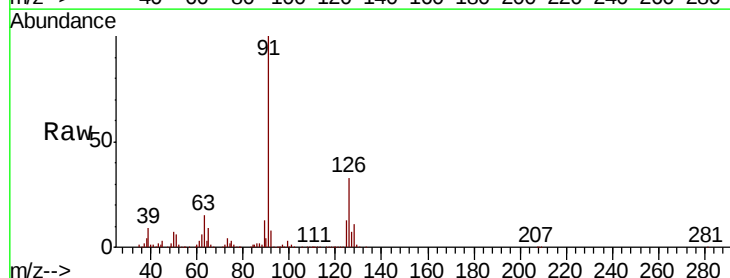
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

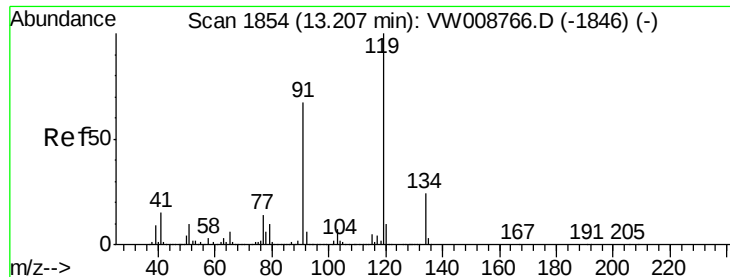
Tot Ion: 75 Resp: 36479
Ion Ratio Lower Upper
75 100
53 108.1 88.2 132.2
89 46.5 39.5 59.3



#82
4-Chlorotoluene
Concen: 52.053 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion: 91 Resp: 567238
Ion Ratio Lower Upper
91 100
126 34.2 17.2 51.6





#83

tert-Butylbenzene

Concen: 53.319 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

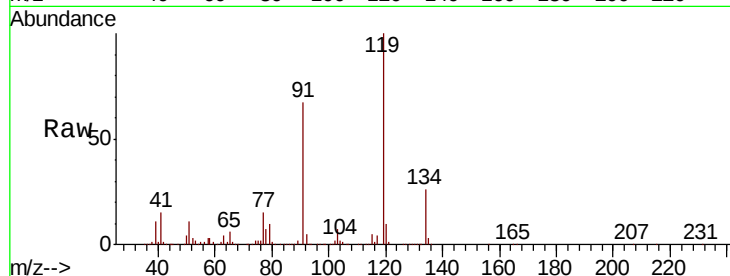
Tot Ion:119 Resp: 596543

Ion Ratio Lower Upper

119 100

91 65.5 33.6 100.8

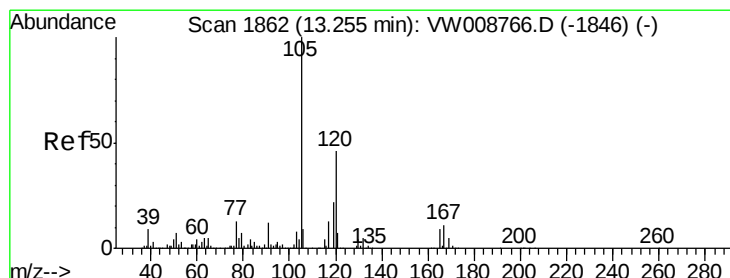
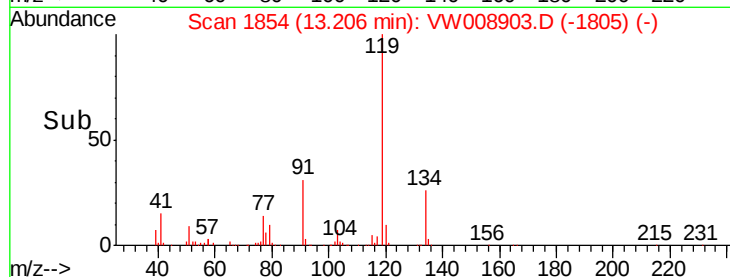
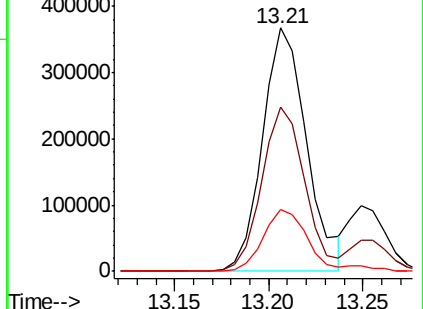
134 26.7 13.7 41.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.775 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW008903.D

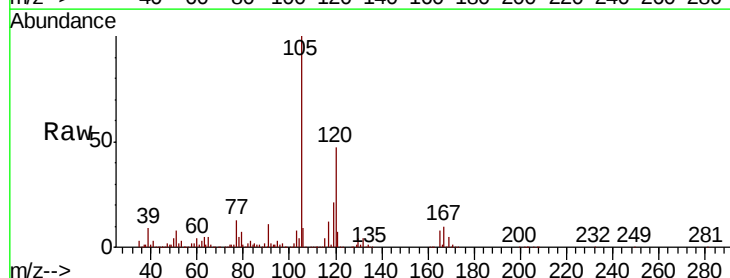
Acq: 28 Feb 2019 23:32

Tgt Ion:105 Resp: 693503

Ion Ratio Lower Upper

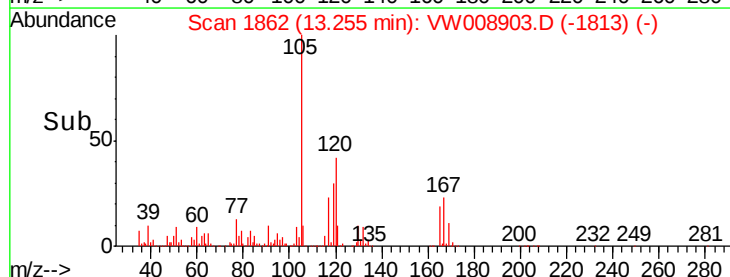
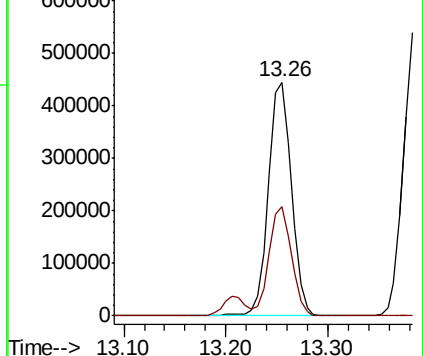
105 100

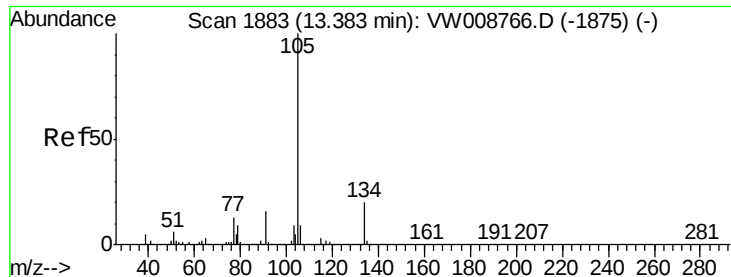
120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.618 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

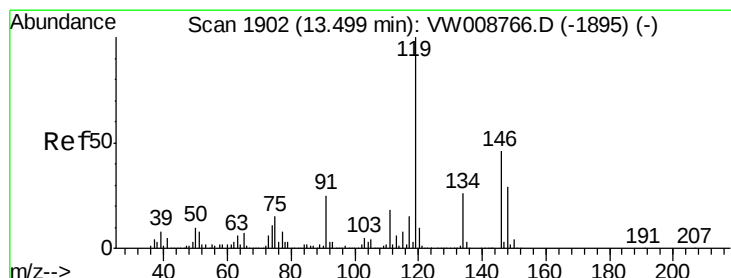
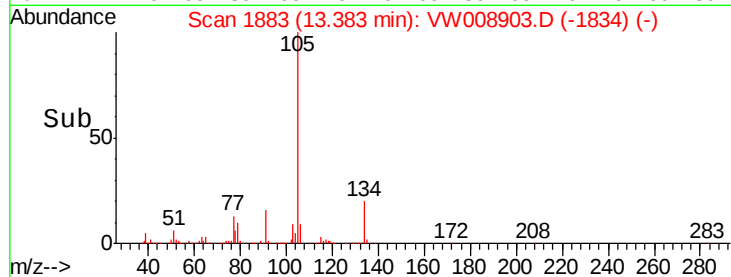
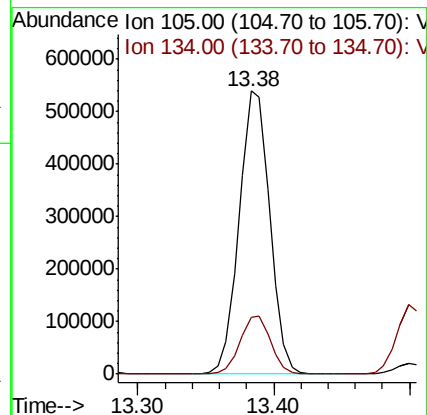
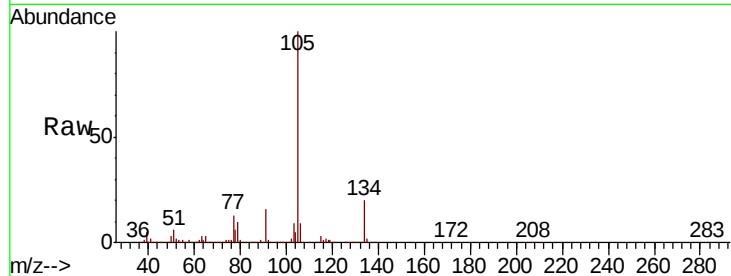
VSTDCCC050

Tot Ion:105 Resp: 846505

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1



#86

p-Isopropyltoluene

Concen: 51.782 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

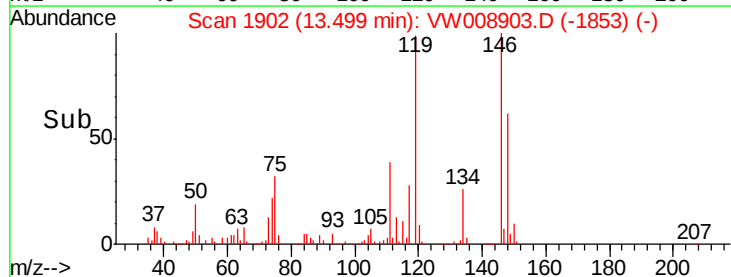
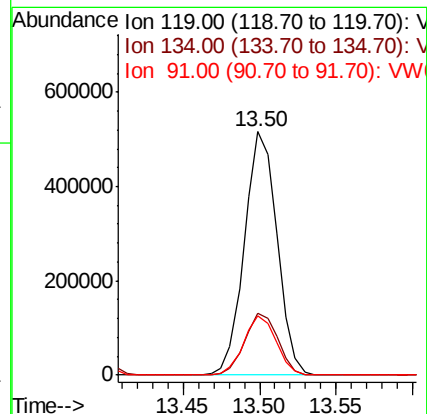
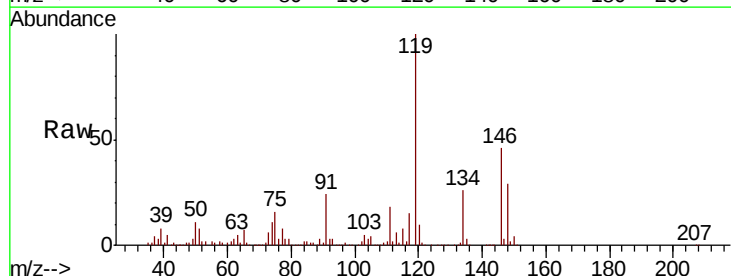
Tgt Ion:119 Resp: 763681

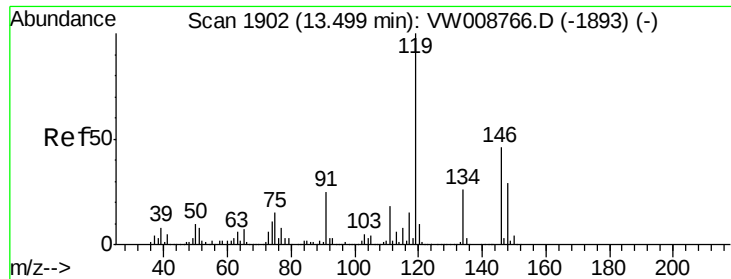
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.1 12.1 36.3

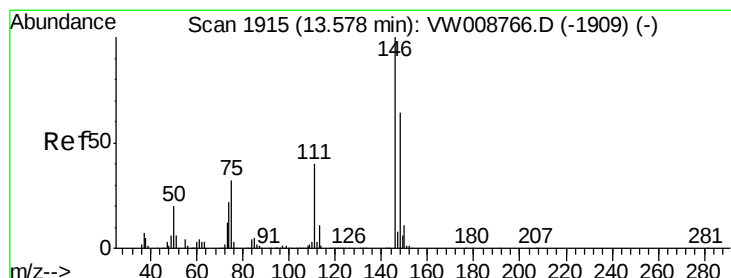
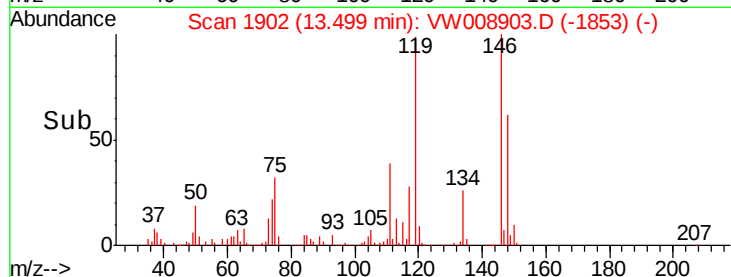
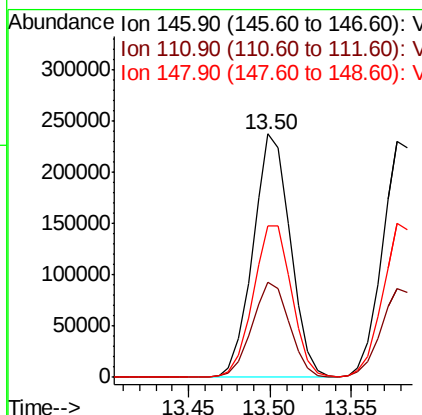
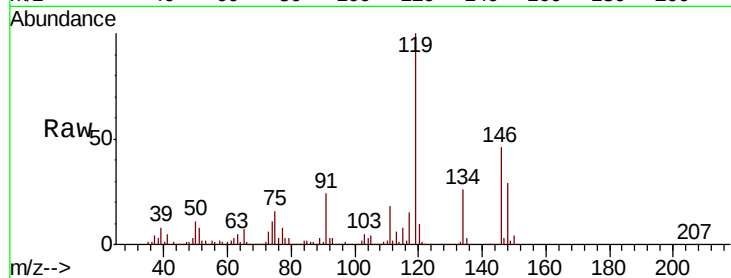




#87
 1,3-Dichlorobenzene
 Concen: 51.570 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

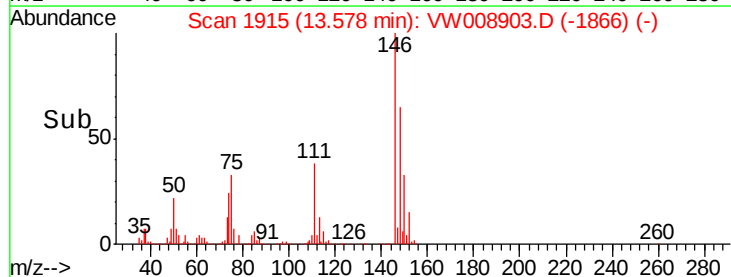
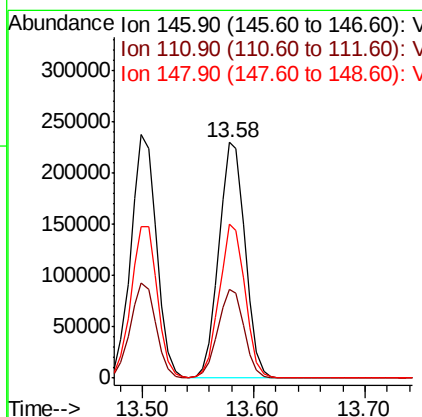
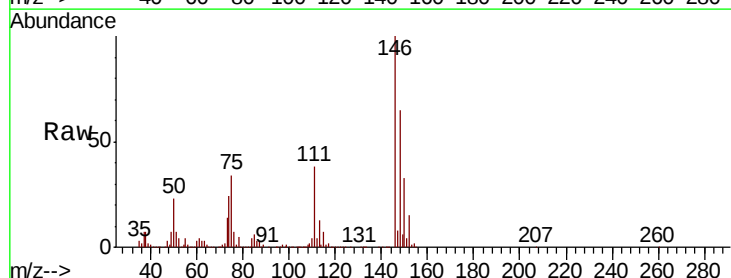
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

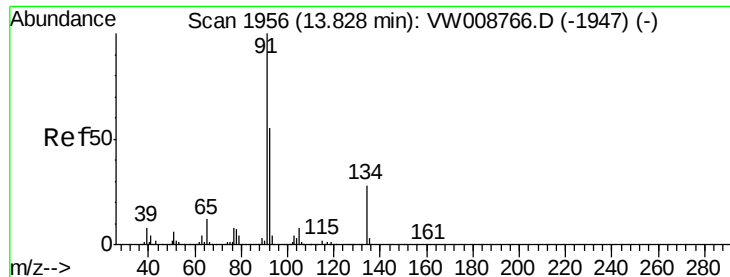
Tot Ion:146 Resp: 376473
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.7
 148 64.2 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 51.955 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion:146 Resp: 373819
 Ion Ratio Lower Upper
 146 100
 111 37.6 19.3 57.9
 148 64.0 31.9 95.9





#89

n-Butylbenzene

Concen: 52.137 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008903.D

Acq: 28 Feb 2019 23:32

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

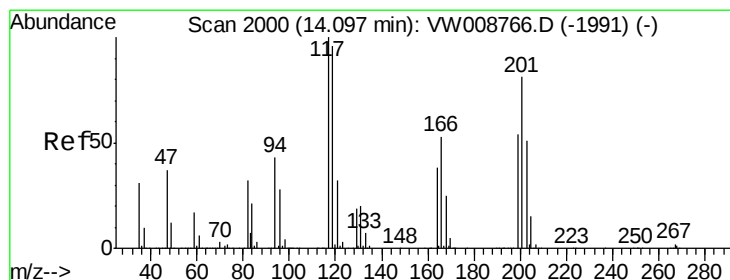
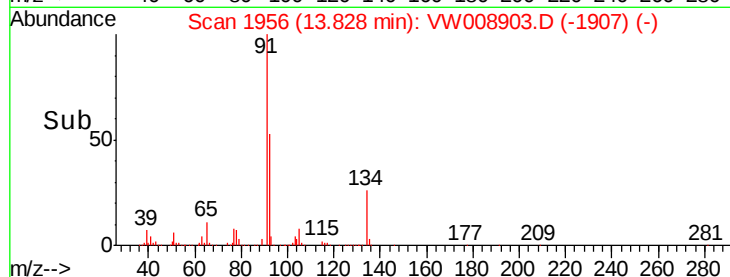
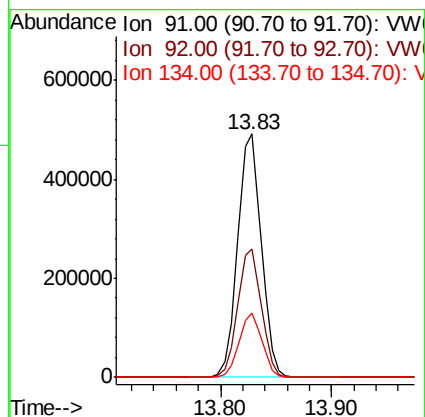
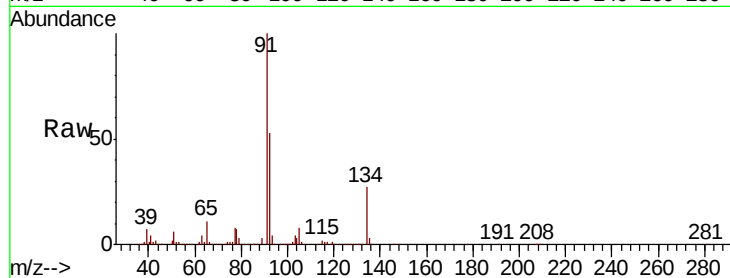
Tot Ion: 91 Resp: 720357

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.4

134 26.0 13.5 40.4



#90

Hexachloroethane

Concen: 53.247 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008903.D

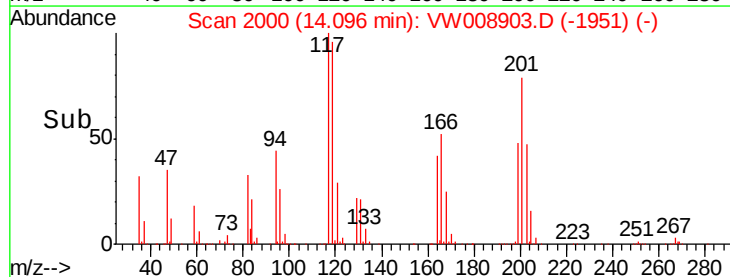
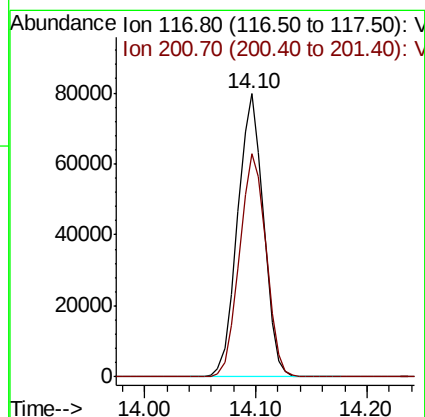
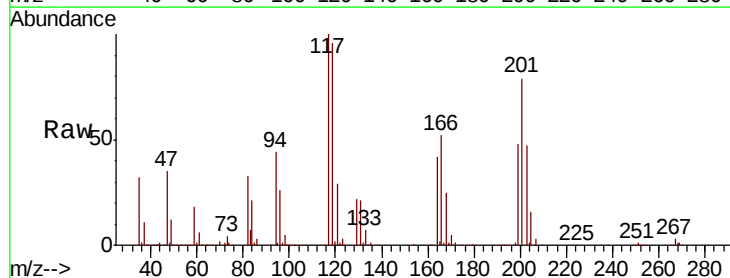
Acq: 28 Feb 2019 23:32

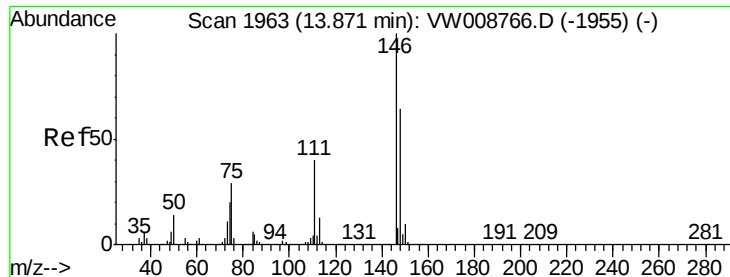
Tgt Ion: 117 Resp: 128557

Ion Ratio Lower Upper

117 100

201 80.9 40.3 120.8

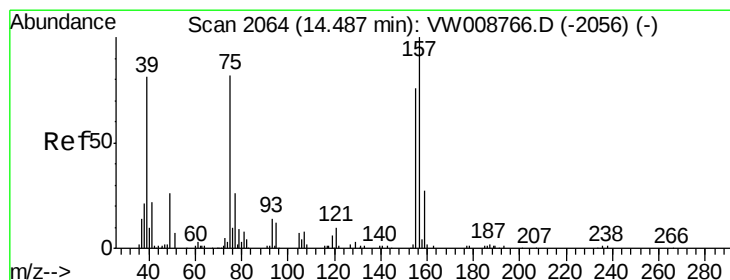
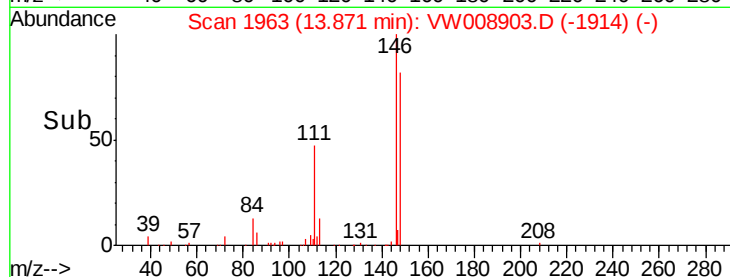
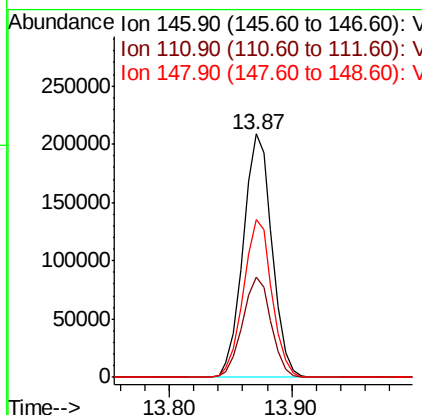
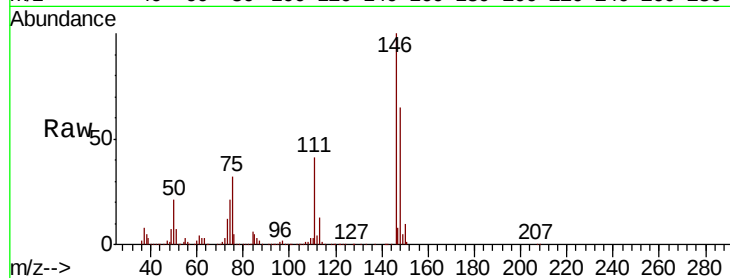




#91
 1,2-Dichlorobenzene
 Concen: 52.316 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

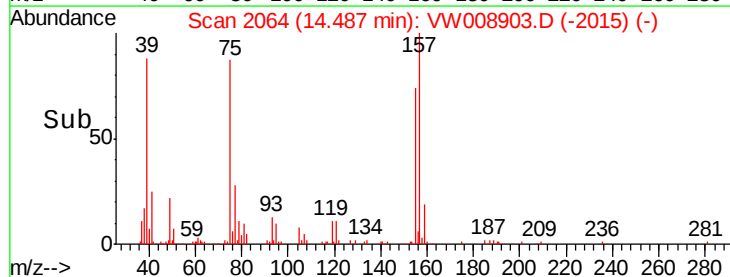
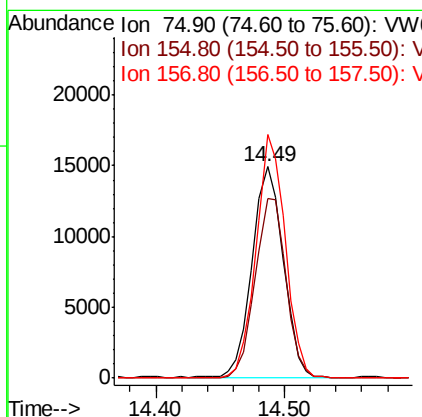
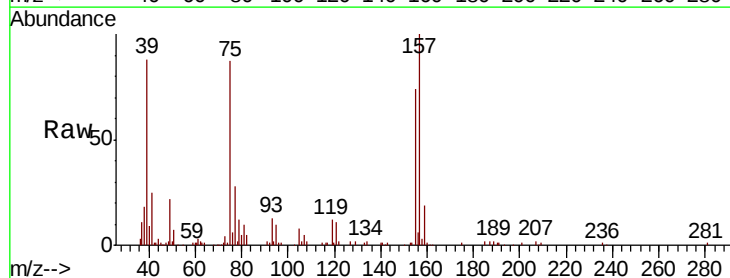
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

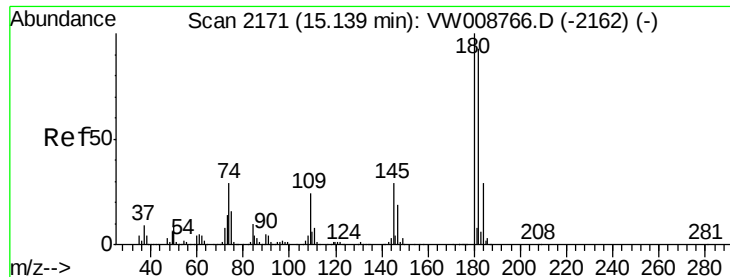
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	64.4	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.221 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	41.8	125.4
157	106.4	56.6	169.9

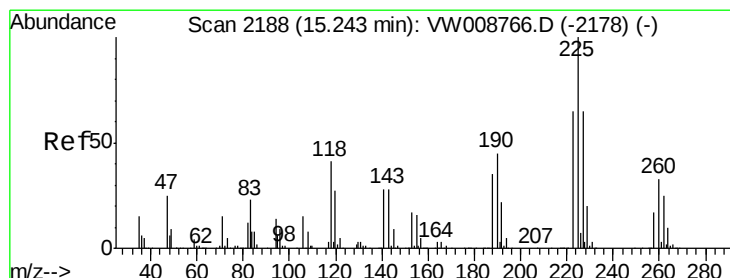
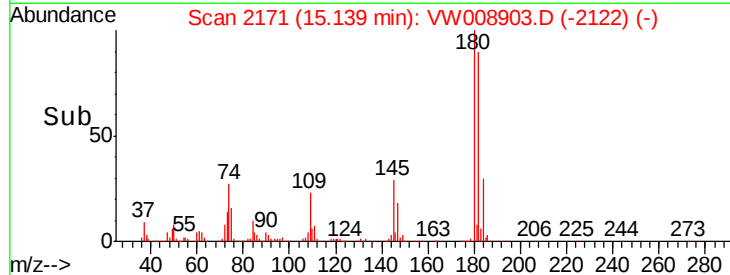
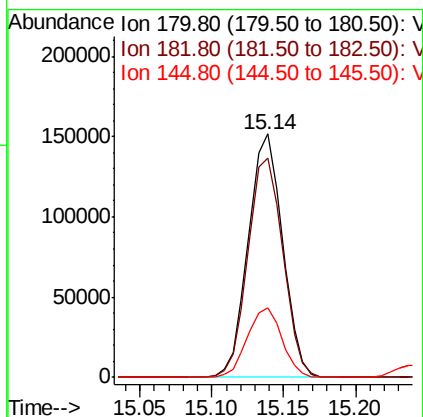
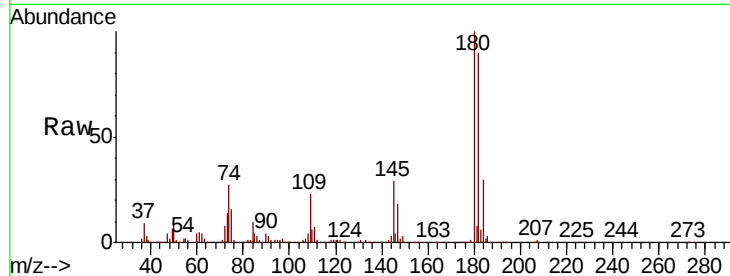




#93
 1,2,4-Trichlorobenzene
 Concen: 53.249 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

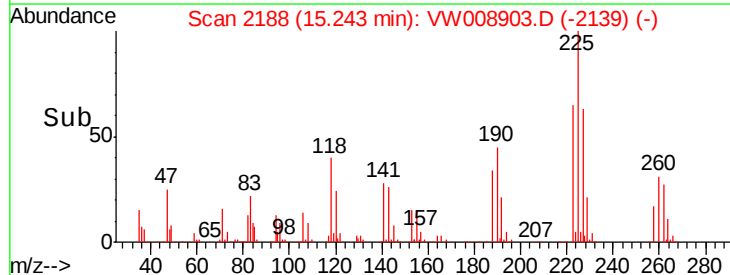
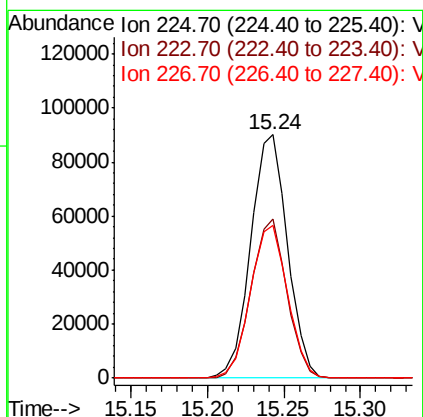
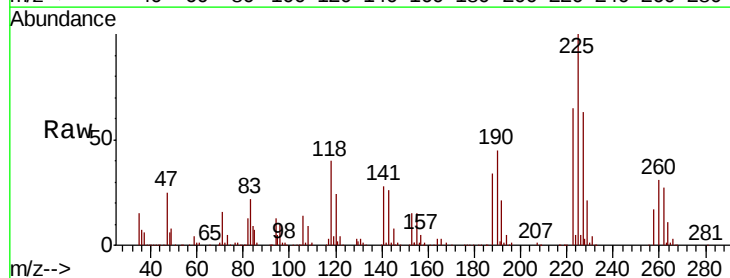
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

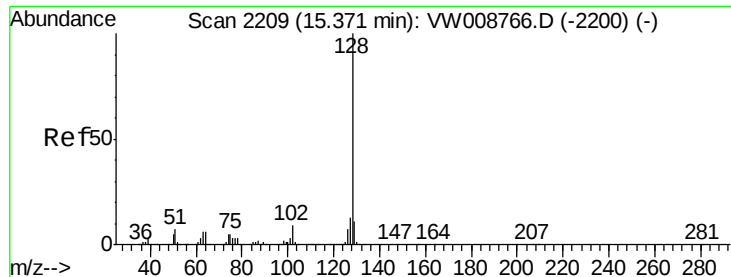
Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.2	141.6
145	29.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 54.421 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008903.D
 Acq: 28 Feb 2019 23:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.5	94.5
227	63.5	31.6	94.8

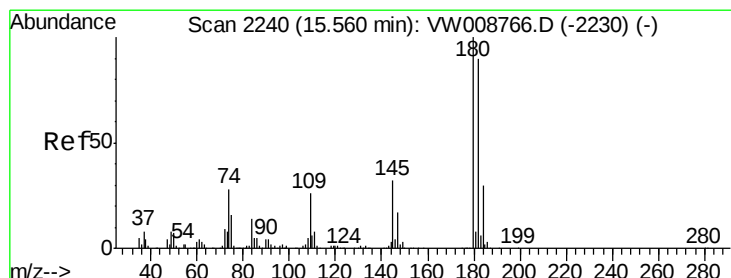
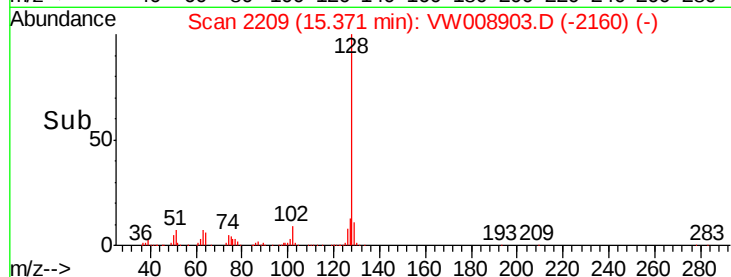
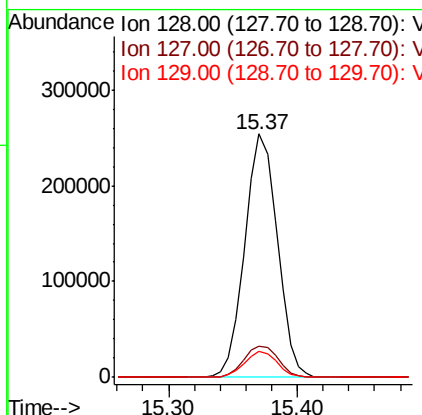
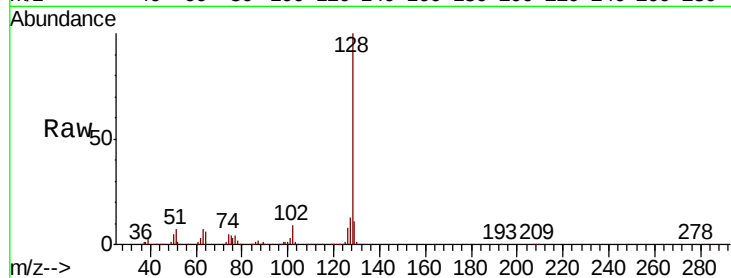




#95
Naphthalene
Concen: 55.642 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 444012
Ion Ratio Lower Upper
128 100
127 13.4 10.8 16.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.227 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008903.D
Acq: 28 Feb 2019 23:32

Tgt Ion:180 Resp: 215690
Ion Ratio Lower Upper
180 100
182 95.7 46.9 140.8
145 31.6 15.9 47.6

