

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009051.D
 Acq On : 07 Mar 2019 20:50
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 08 05:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	261170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	379841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	213281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142400	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	
35) Dibromofluoromethane	7.88	113	119531	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.32	98	507682	54.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.30%	
62) 4-Bromofluorobenzene	12.62	95	197003	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	110629	42.031	ug/l	98
3) Chloromethane	2.21	50	156562	46.823	ug/l	98
4) Vinyl Chloride	2.35	62	156586	46.146	ug/l	95
5) Bromomethane	2.76	94	138253	48.267	ug/l	96
6) Chloroethane	2.91	64	112789	46.690	ug/l	98
7) Trichlorofluoromethane	3.26	101	193638	44.320	ug/l	100
8) Diethyl Ether	3.68	74	67268	50.354	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119645	43.969	ug/l	97
10) Methyl Iodide	4.27	142	133796	45.627	ug/l	99
11) Tert butyl alcohol	5.18	59	52555	261.006	ug/l	98
12) 1,1-Dichloroethene	4.04	96	106613	45.421	ug/l	95
13) Acrolein	3.89	56	54313	245.124	ug/l	99
14) Allyl chloride	4.67	41	194108	46.882	ug/l	99
15) Acrylonitrile	5.37	53	158250	271.414	ug/l	99
16) Acetone	4.13	43	150854	254.415	ug/l	90
17) Carbon Disulfide	4.38	76	367850	46.579	ug/l	100
18) Methyl Acetate	4.67	43	71037	52.099	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	317712	51.168	ug/l	97
20) Methylene Chloride	4.91	84	141863	50.964	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	125985	46.485	ug/l	98
22) Diisopropyl ether	6.31	45	411292	49.987	ug/l	98
23) Vinyl Acetate	6.26	43	1300277	253.949	ug/l	100
24) 1,1-Dichloroethane	6.21	63	224548	47.051	ug/l	98
25) 2-Butanone	7.17	43	215233	262.651	ug/l	99
26) 2,2-Dichloropropane	7.17	77	189343	43.647	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138848	47.701	ug/l	99
28) Bromochloromethane	7.51	49	104494	52.640	ug/l	98
29) Tetrahydrofuran	7.53	42	138269	267.753	ug/l	99
30) Chloroform	7.68	83	235852	48.001	ug/l	96
31) Cyclohexane	7.95	56	207881	42.422	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	207250	45.706	ug/l	99
36) 1,1-Dichloropropene	8.08	75	181371	45.750	ug/l	98
37) Ethyl Acetate	7.25	43	94891	50.959	ug/l	99
38) Carbon Tetrachloride	8.07	117	184655	45.102	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
 Data File : VW009051.D
 Acq On : 07 Mar 2019 20:50
 Operator : SY/VA
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 08 05:44:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	222151	47.047	ug/l	97
40) Benzene	8.32	78	502640	47.496	ug/l	99
41) Methacrylonitrile	7.48	41	53731	51.961	ug/l	92
42) 1,2-Dichloroethane	8.40	62	164322	48.096	ug/l	100
43) Isopropyl Acetate	8.43	43	183764	52.986	ug/l	98
44) Trichloroethene	9.09	130	136370	45.976	ug/l	96
45) 1,2-Dichloropropane	9.37	63	127893	48.252	ug/l	98
46) Dibromomethane	9.46	93	70784	48.899	ug/l	97
47) Bromodichloromethane	9.64	83	175269	47.832	ug/l	95
48) Methyl methacrylate	9.43	41	85615	53.016	ug/l	93
49) 1,4-Dioxane	9.46	88	22220	1071.951	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	491576	279.199	ug/l	100
52) Toluene	10.39	92	352860	49.165	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	179528	49.537	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	202742	48.681	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	99061	50.490	ug/l	96
56) Ethyl methacrylate	10.65	69	136666	56.126	ug/l	98
57) 1,3-Dichloropropane	10.93	76	172622	49.666	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	335329	265.646	ug/l	99
59) 2-Hexanone	10.97	43	356321	287.844	ug/l	99
60) Dibromochloromethane	11.13	129	122172	50.317	ug/l	97
61) 1,2-Dibromoethane	11.24	107	96190	50.011	ug/l	98
64) Tetrachloroethene	10.86	164	133670	48.798	ug/l	96
65) Chlorobenzene	11.66	112	395321	47.815	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	129407	46.877	ug/l	99
67) Ethyl Benzene	11.73	91	709025	47.471	ug/l	99
68) m/p-Xylenes	11.84	106	571220	96.891	ug/l	98
69) o-Xylene	12.16	106	267476	48.761	ug/l	98
70) Styrene	12.18	104	439514	49.522	ug/l	100
71) Bromoform	12.35	173	74673	50.378	ug/l #	100
73) Isopropylbenzene	12.46	105	728553	47.701	ug/l	100
74) N-amyl acetate	12.27	43	199893	55.285	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	122483	50.839	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	172388	102.302	ug/l #	1
77) Bromobenzene	12.75	156	170920	48.977	ug/l	98
78) n-propylbenzene	12.80	91	901752	47.933	ug/l	99
79) 2-Chlorotoluene	12.89	91	515465	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	632619	48.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37769	50.133	ug/l	98
82) 4-Chlorotoluene	12.99	91	540862	48.003	ug/l	98
83) tert-Butylbenzene	13.21	119	537357	48.395	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	648540	48.697	ug/l	99
85) sec-Butylbenzene	13.38	105	798569	48.542	ug/l	100
86) p-Isopropyltoluene	13.50	119	708466	48.140	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	354723	48.367	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	349728	48.253	ug/l	100
89) n-Butylbenzene	13.83	91	673645	48.150	ug/l	99
90) Hexachloroethane	14.10	117	124099	48.893	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	320744	49.569	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23180	54.020	ug/l	98

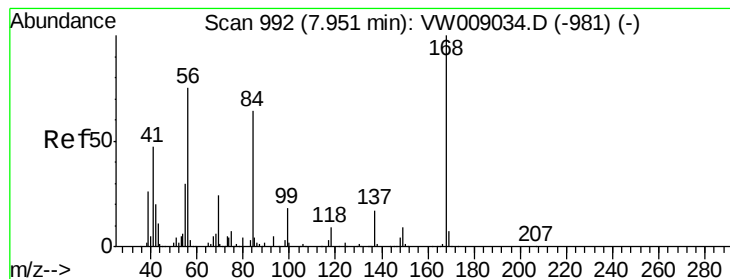
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030719\
Data File : VW009051.D
Acq On : 07 Mar 2019 20:50
Operator : SY/VA
Sample : VSTDCCC050EC
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Mar 08 05:44:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	219483	50.225	ug/l	100
94) Hexachlorobutadiene	15.24	225	130976	47.851	ug/l	100
95) Naphthalene	15.37	128	396793	55.470	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	193417	50.335	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

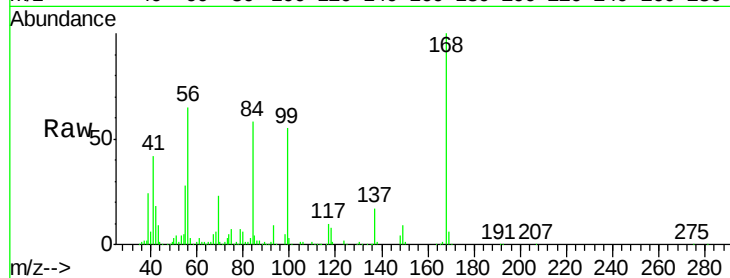
VSTDCCC050EC

Tgt Ion:168 Resp: 261170

Ion Ratio Lower Upper

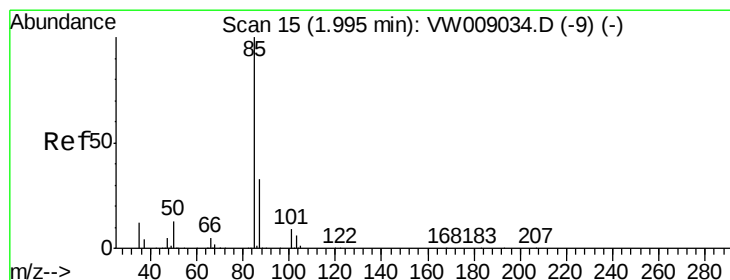
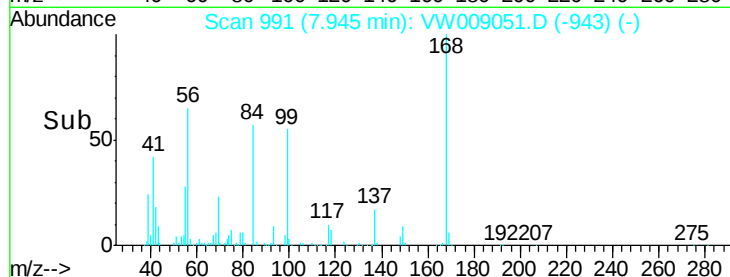
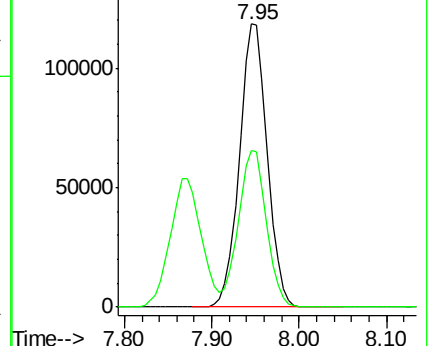
168 100

99 55.2 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 42.031 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009051.D

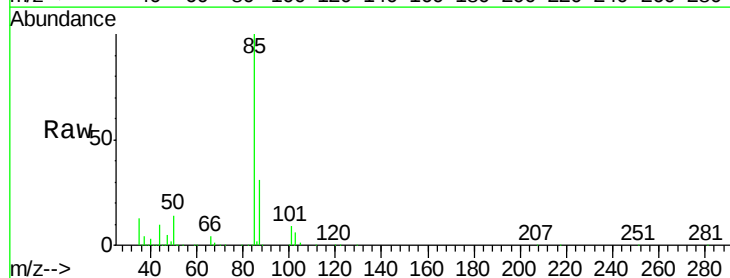
Acq: 07 Mar 2019 20:50

Tgt Ion: 85 Resp: 110629

Ion Ratio Lower Upper

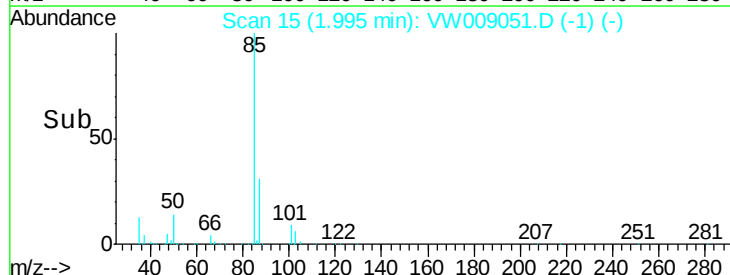
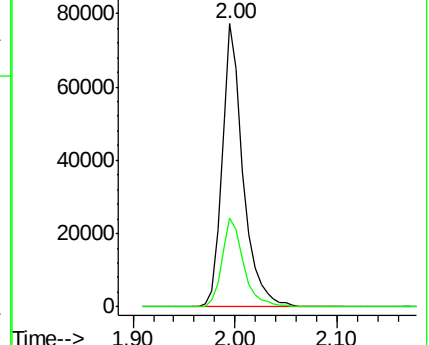
85 100

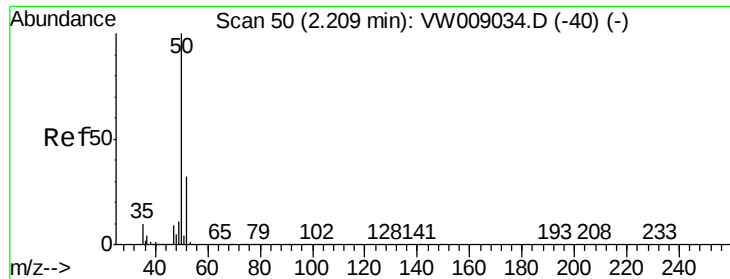
87 31.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 46.823 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

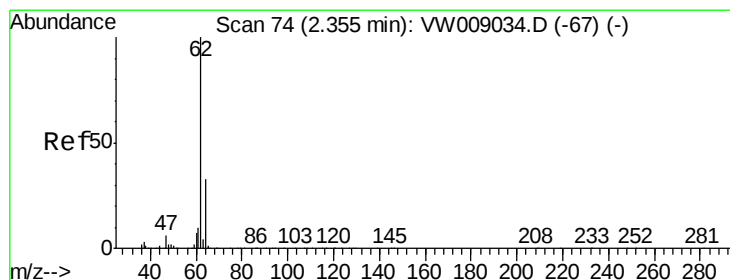
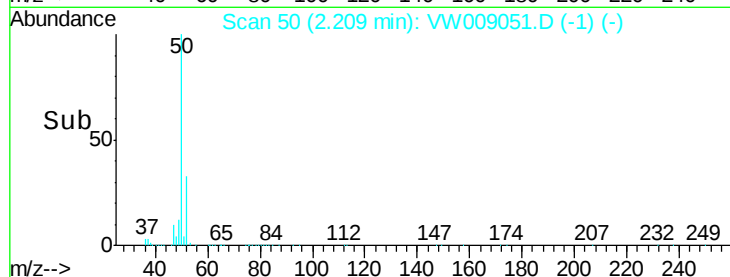
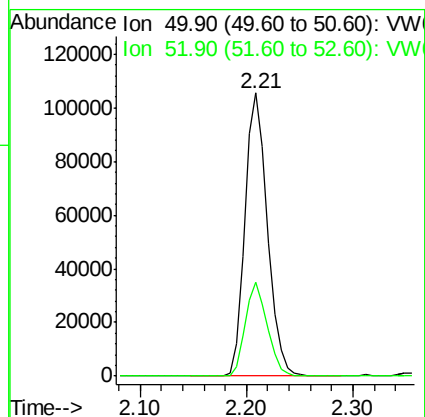
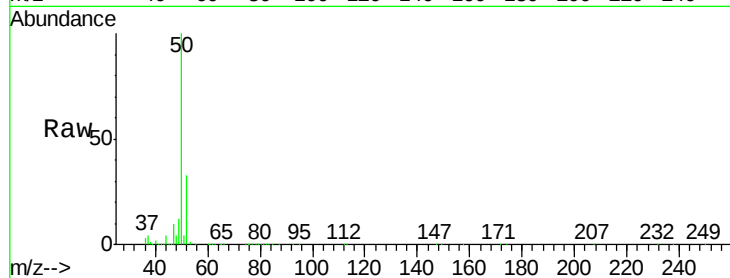
VSTDCCC050EC

Tgt Ion: 50 Resp: 156562

Ion Ratio Lower Upper

50 100

52 33.0 25.4 38.2



#4

Vinyl Chloride

Concen: 46.146 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009051.D

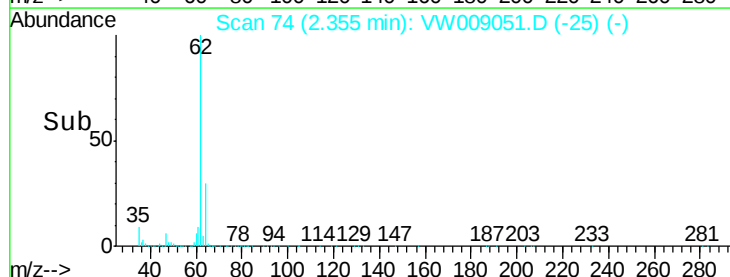
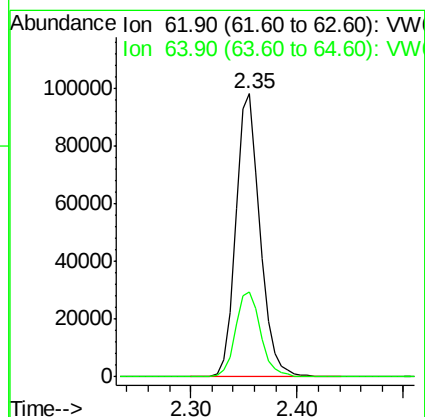
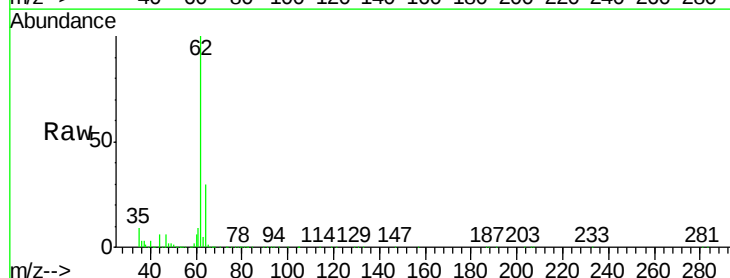
Acq: 07 Mar 2019 20:50

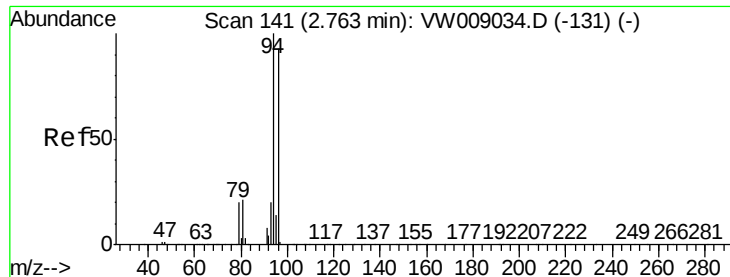
Tgt Ion: 62 Resp: 156586

Ion Ratio Lower Upper

62 100

64 29.9 26.0 39.0





#5

Bromomethane

Concen: 48.267 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

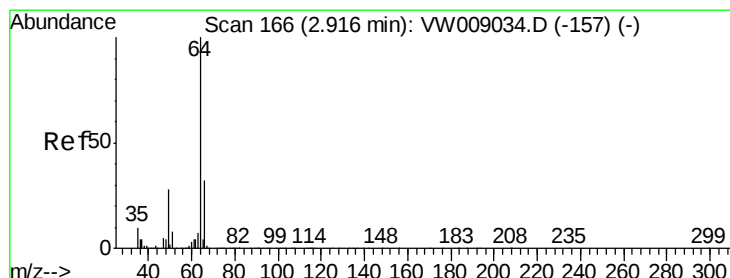
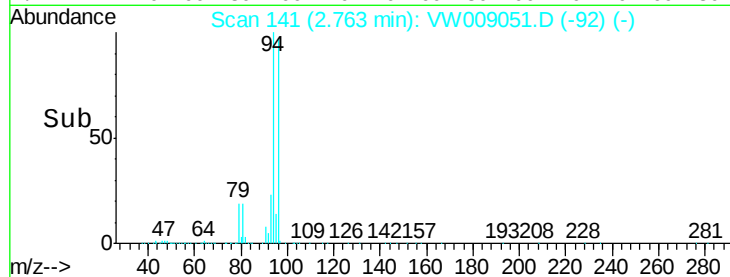
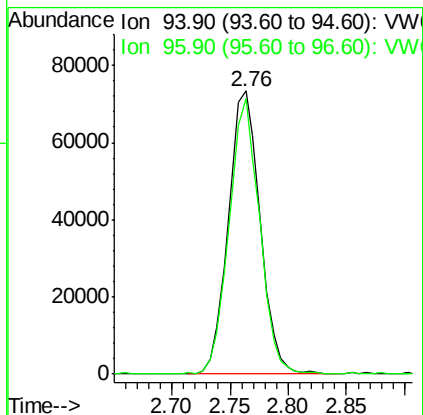
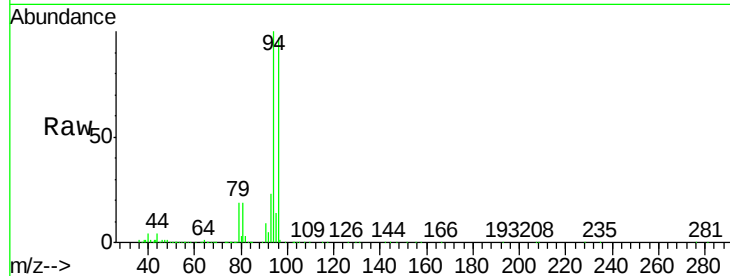
VSTDCCC050EC

Tgt Ion: 94 Resp: 138253

Ion Ratio Lower Upper

94 100

96 97.2 74.4 111.6



#6

Chloroethane

Concen: 46.690 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009051.D

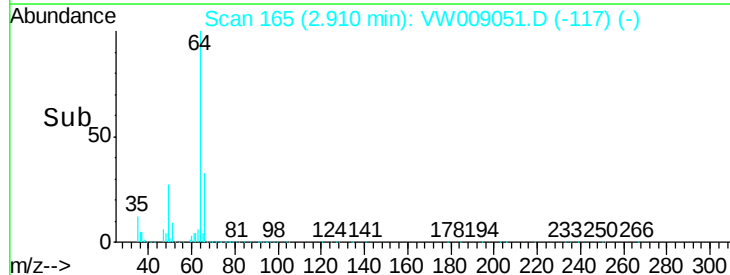
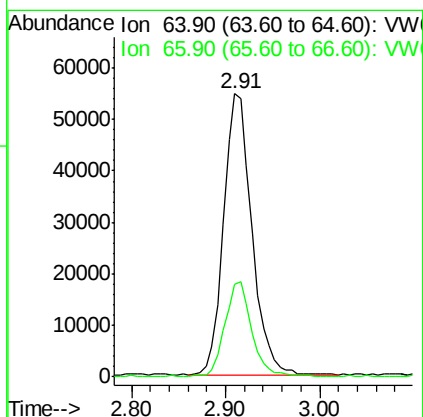
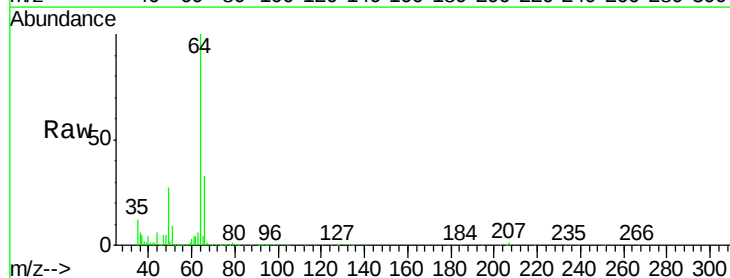
Acq: 07 Mar 2019 20:50

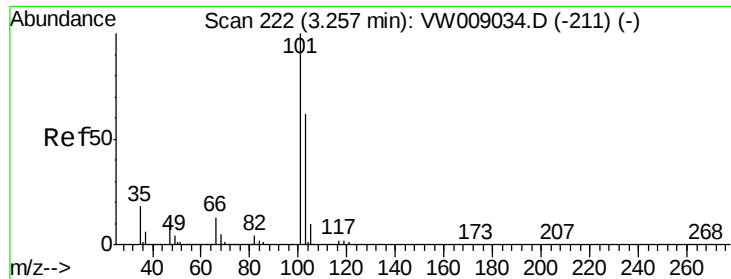
Tgt Ion: 64 Resp: 112789

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



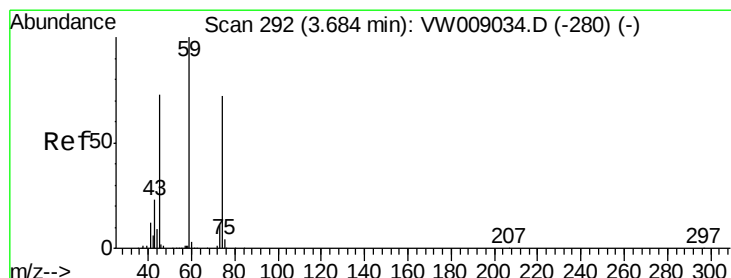
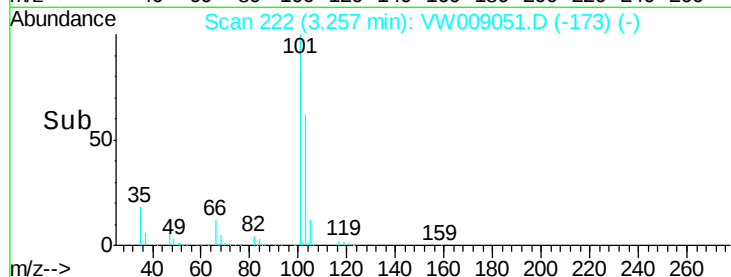
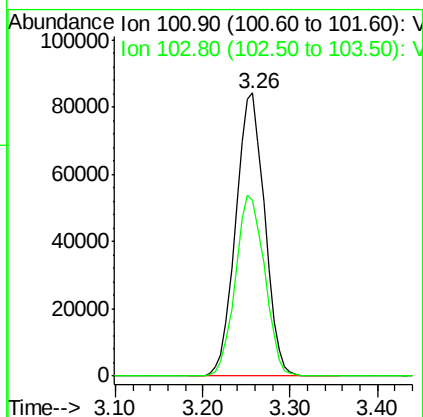
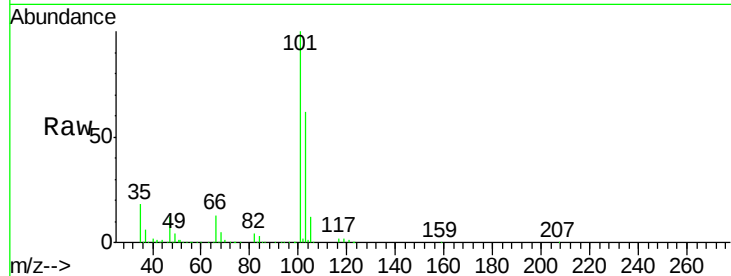


#7

Trichlorofluoromethane
 Concen: 44.320 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

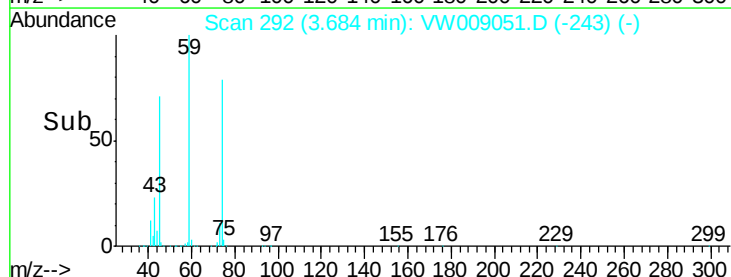
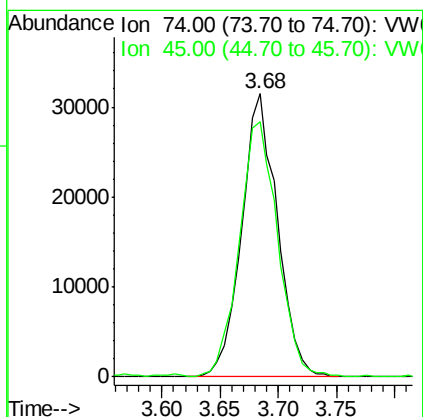
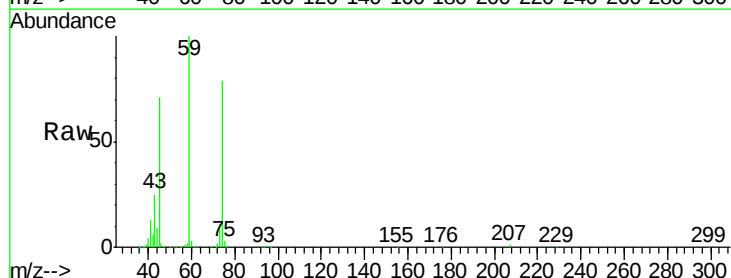
Tgt Ion:101 Resp: 193638
 Ion Ratio Lower Upper
 101 100
 103 62.0 49.9 74.9

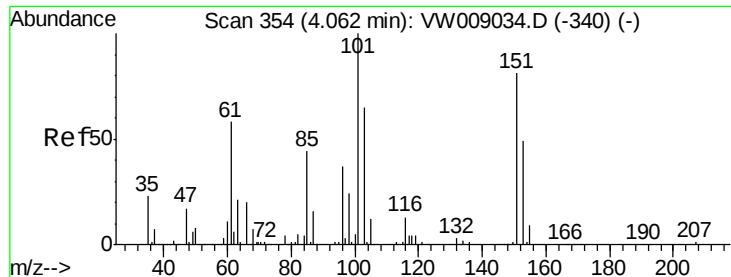


#8

Diethyl Ether
 Concen: 50.354 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 74 Resp: 67268
 Ion Ratio Lower Upper
 74 100
 45 96.4 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.969 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

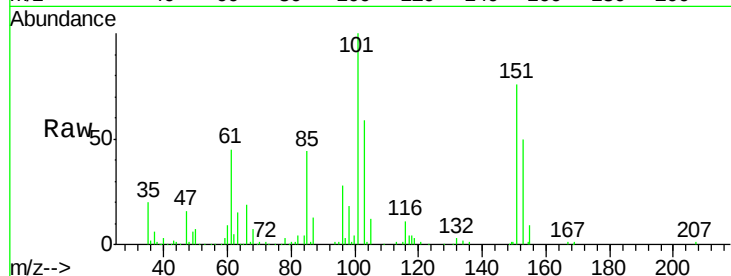
Tgt Ion:101 Resp: 119645

Ion Ratio Lower Upper

101 100

85 47.4 36.2 54.4

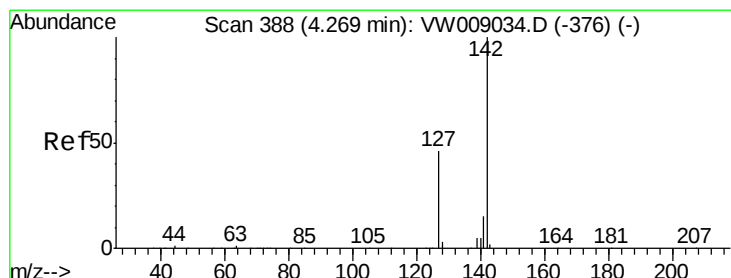
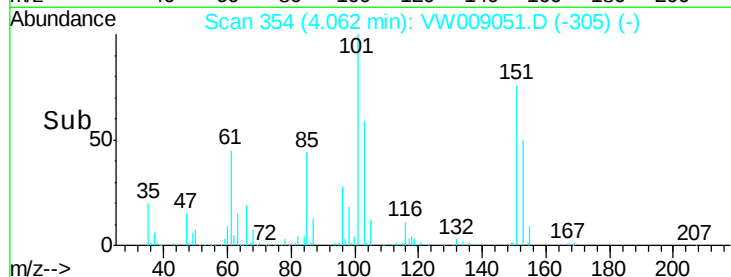
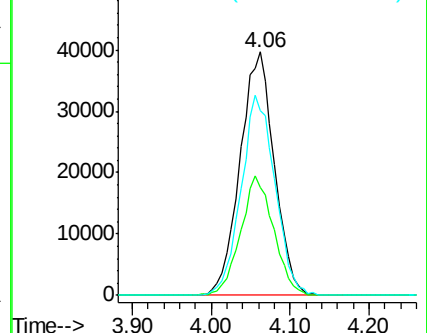
151 81.3 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.627 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

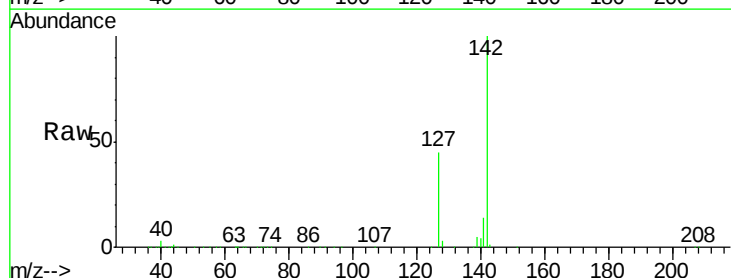
Tgt Ion:142 Resp: 133796

Ion Ratio Lower Upper

142 100

127 45.0 35.8 53.6

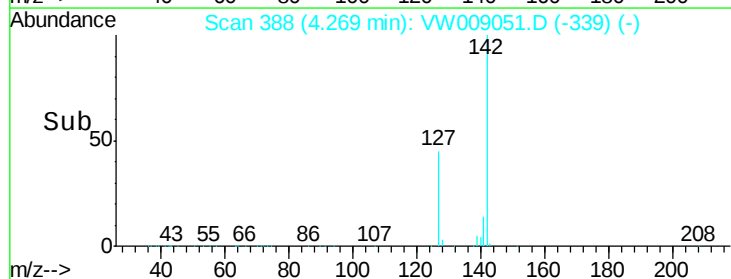
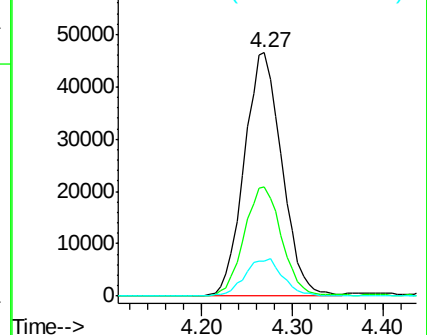
141 15.4 11.8 17.8

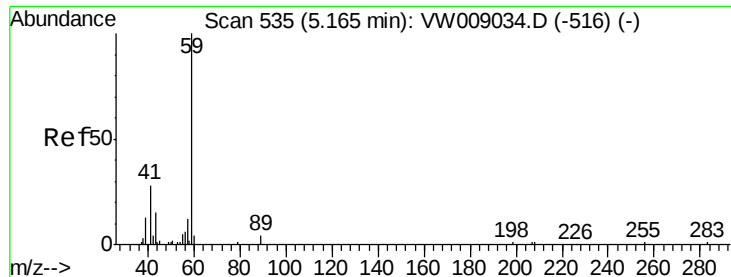


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



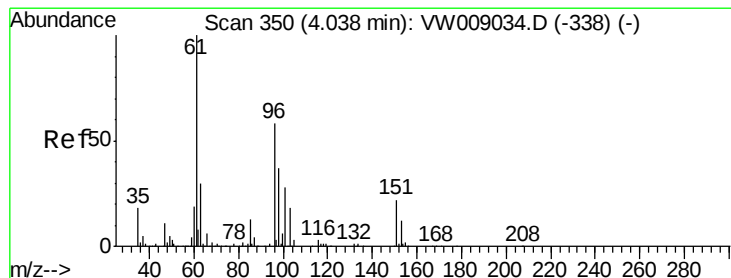
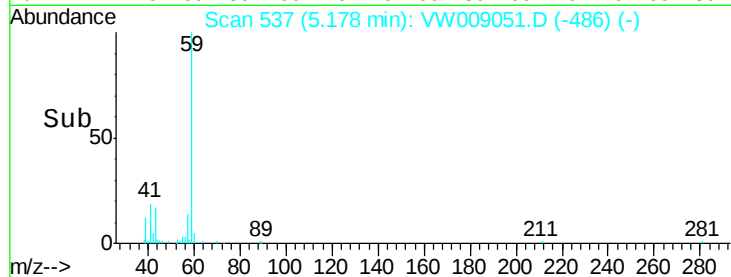
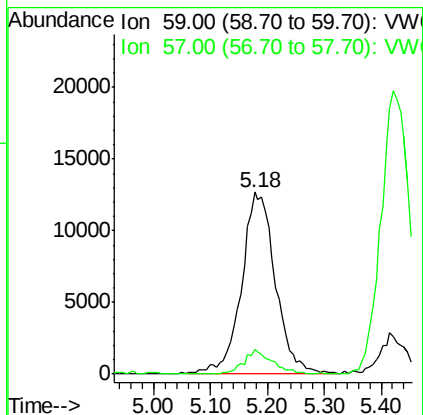
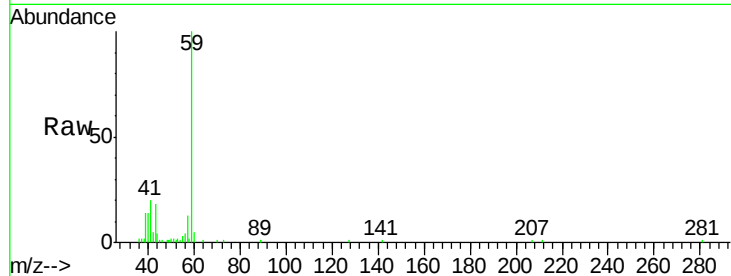


#11

Tert butyl alcohol
Concen: 261.006 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

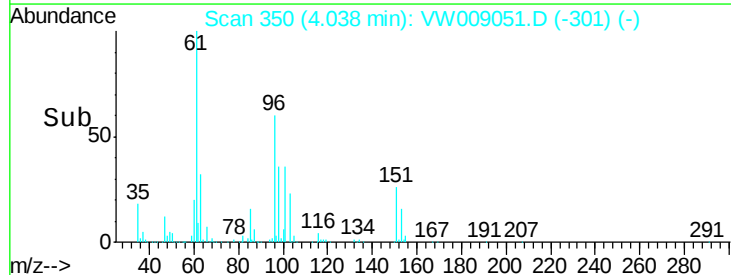
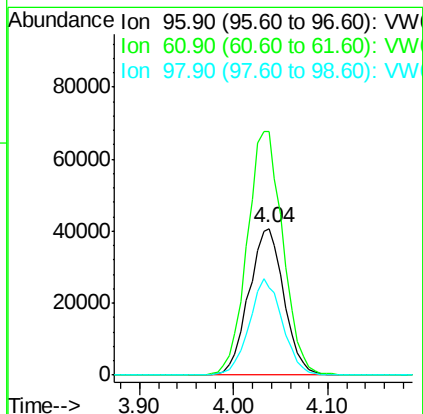
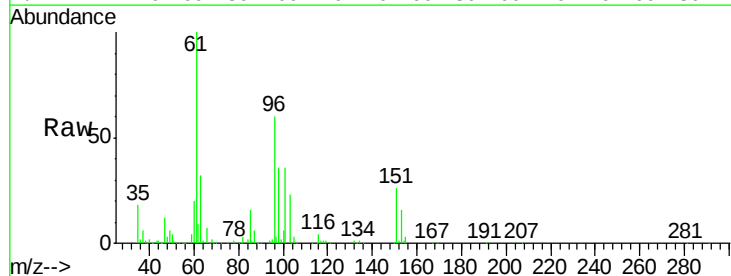
Tgt Ion: 59 Resp: 52555
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

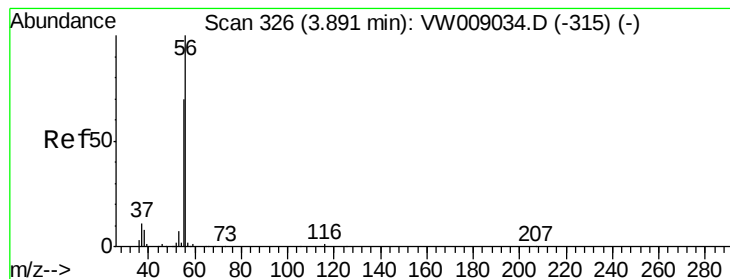


#12

1,1-Dichloroethene
Concen: 45.421 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 96 Resp: 106613
Ion Ratio Lower Upper
96 100
61 166.0 138.2 207.2
98 60.0 51.3 76.9





#13

Acrolein

Concen: 245.124 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

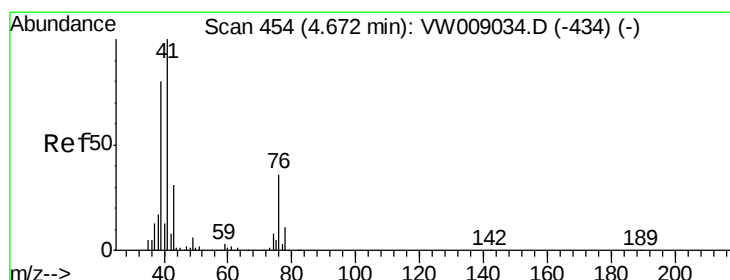
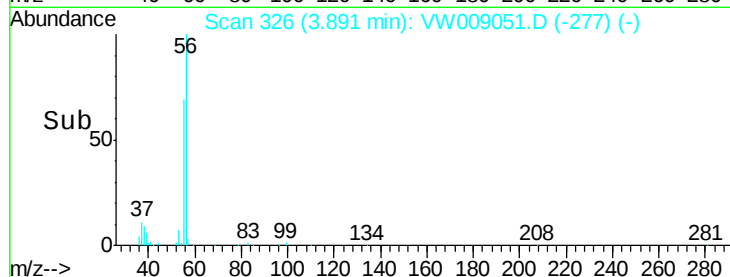
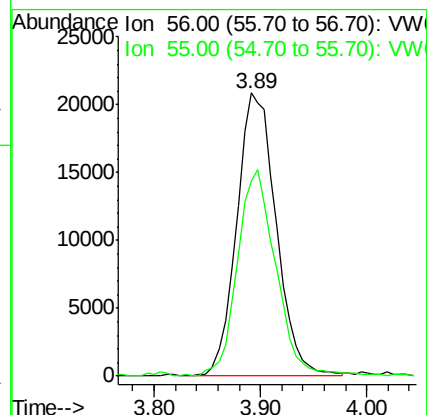
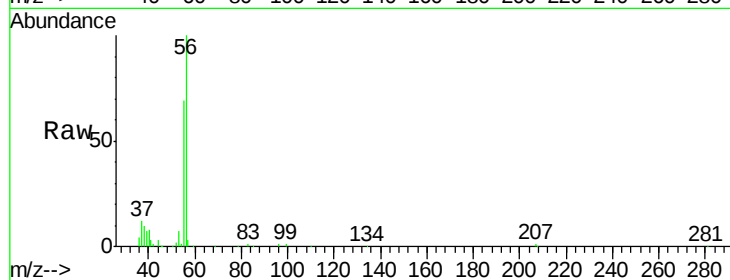
VSTDCCC050EC

Tgt Ion: 56 Resp: 54313

Ion Ratio Lower Upper

56 100

55 71.2 56.6 84.8



#14

Allyl chloride

Concen: 46.882 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

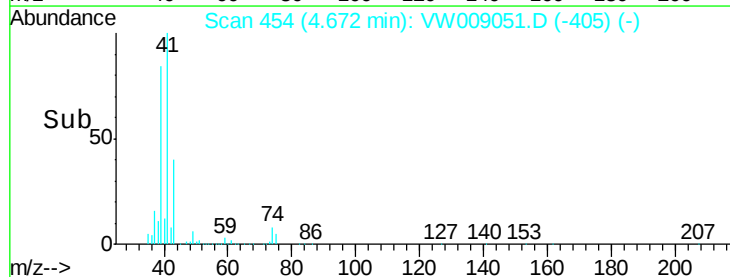
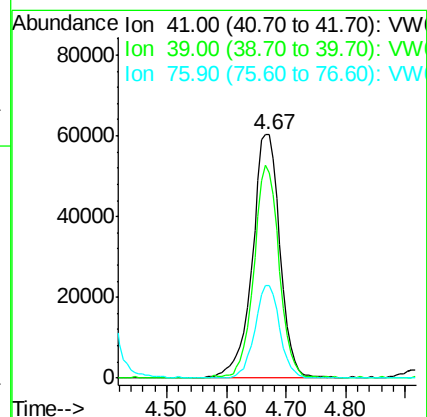
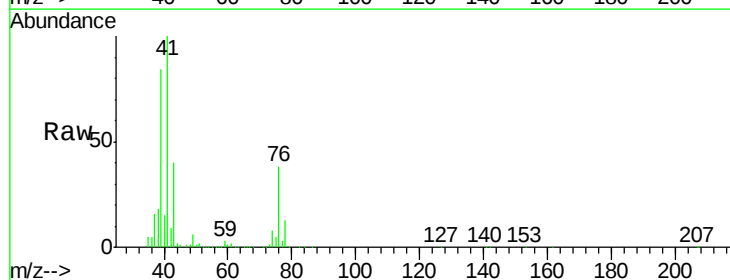
Tgt Ion: 41 Resp: 194108

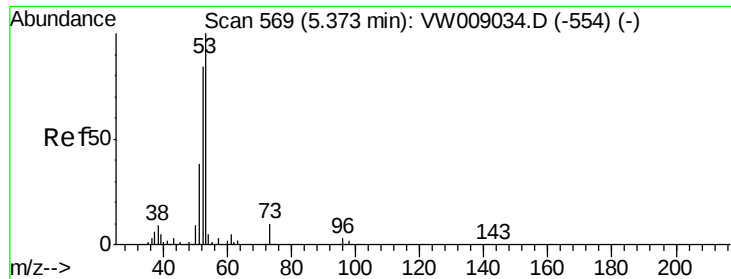
Ion Ratio Lower Upper

41 100

39 79.2 63.0 94.4

76 34.2 28.2 42.2





#15

Acrylonitrile

Concen: 271.414 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

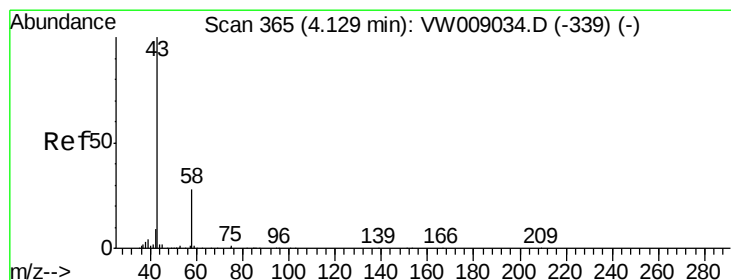
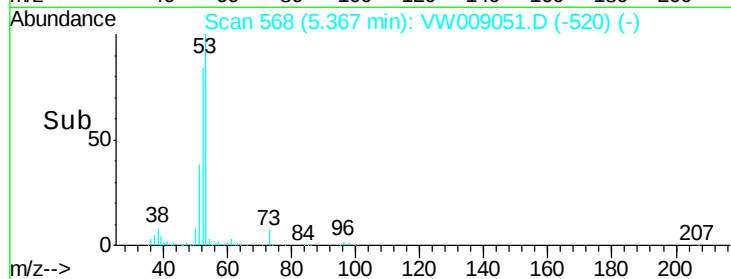
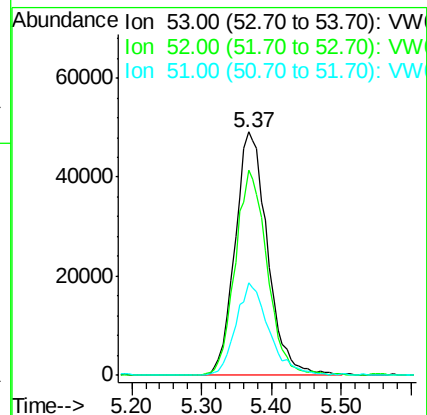
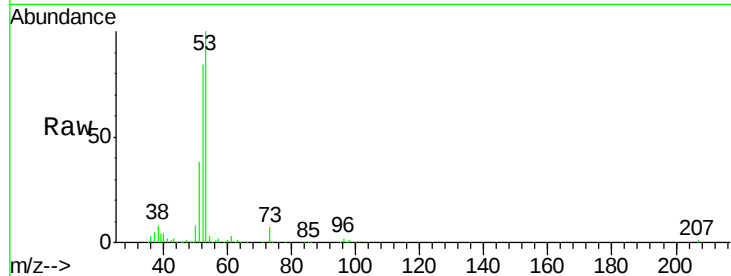
Tgt Ion: 53 Resp: 158250

Ion Ratio Lower Upper

53 100

52 83.1 67.2 100.8

51 39.0 31.8 47.6



#16

Acetone

Concen: 254.415 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009051.D

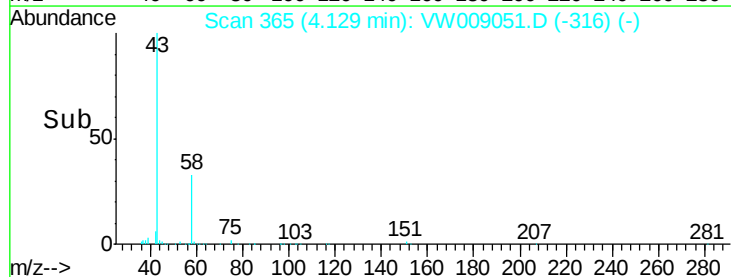
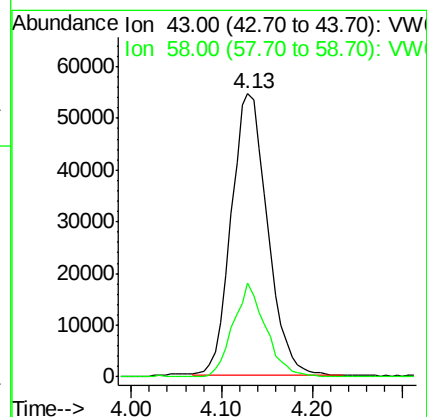
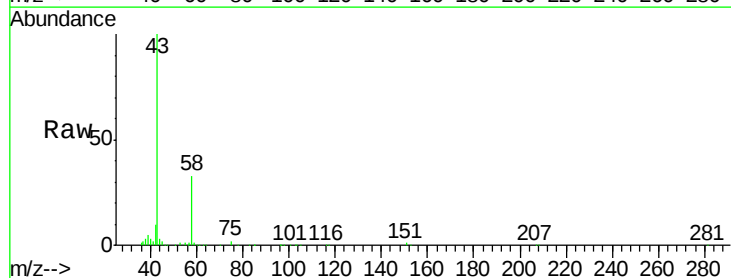
Acq: 07 Mar 2019 20:50

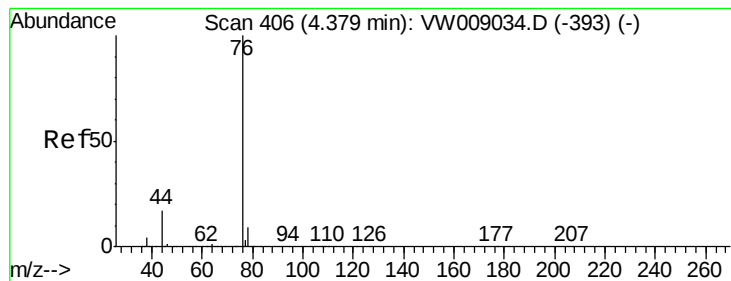
Tgt Ion: 43 Resp: 150854

Ion Ratio Lower Upper

43 100

58 33.2 22.5 33.7





#17

Carbon Disulfide

Concen: 46.579 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

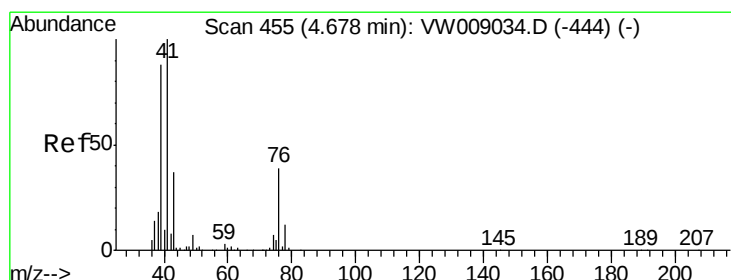
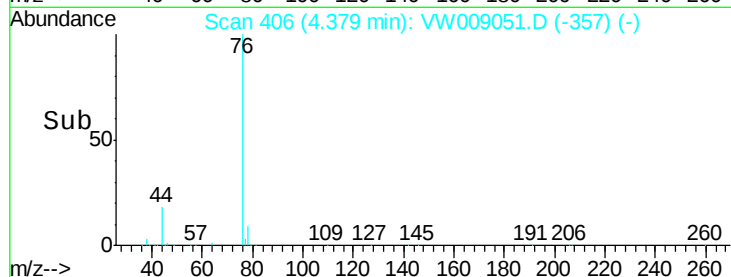
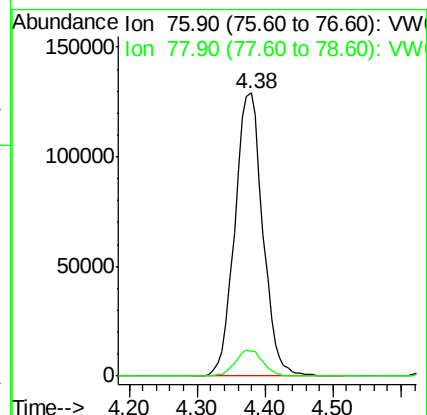
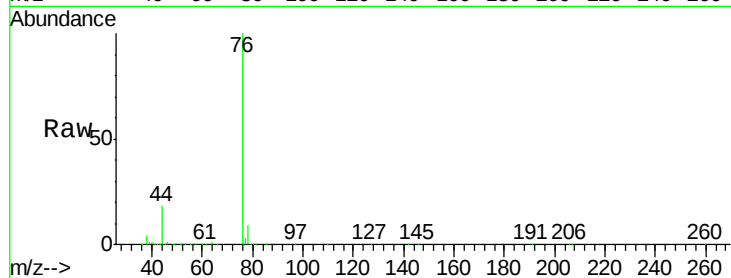
VSTDCCC050EC

Tgt Ion: 76 Resp: 367850

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



#18

Methyl Acetate

Concen: 52.099 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009051.D

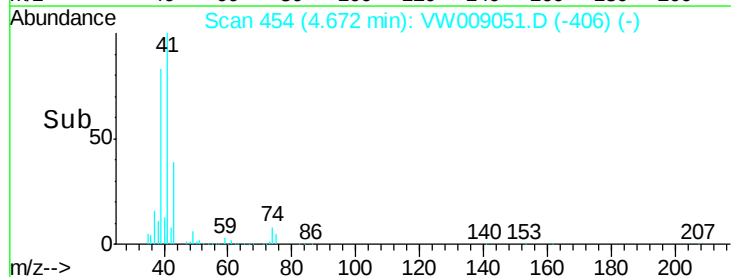
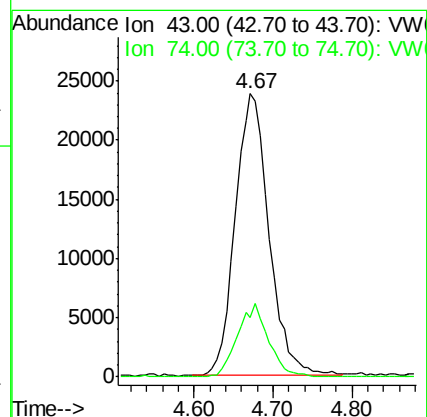
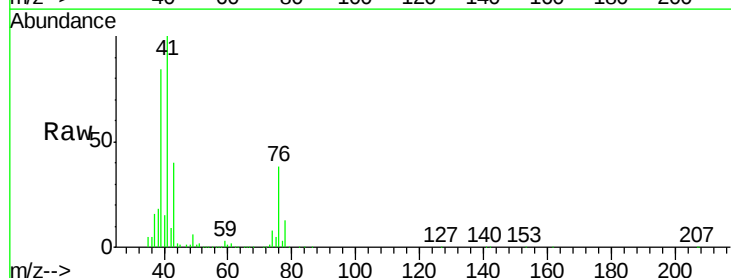
Acq: 07 Mar 2019 20:50

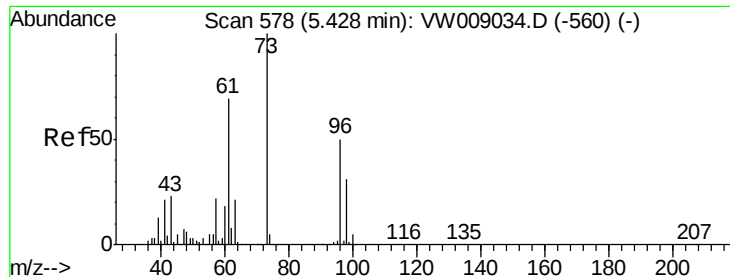
Tgt Ion: 43 Resp: 71037

Ion Ratio Lower Upper

43 100

74 23.6 17.6 26.4



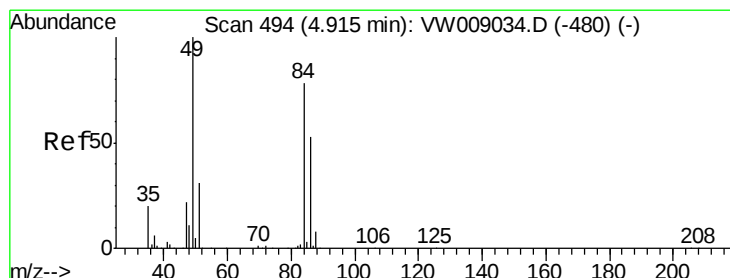
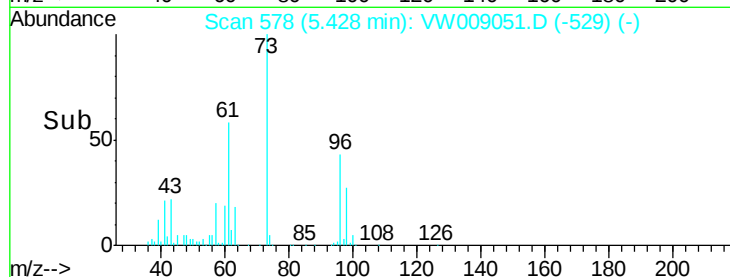
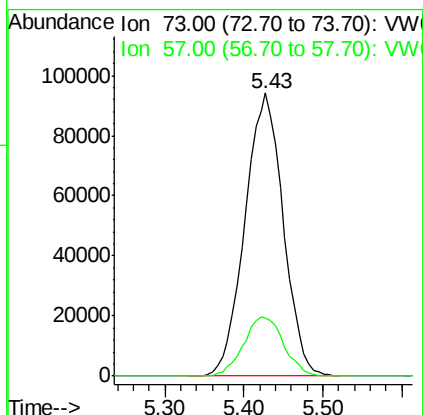
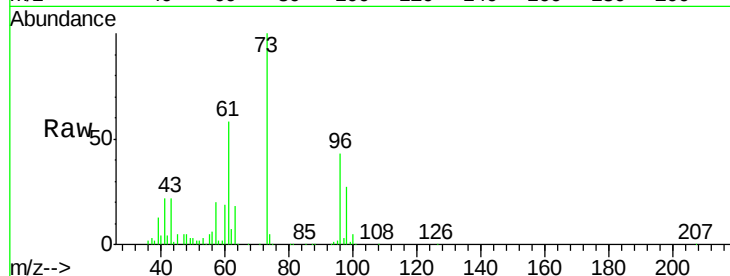


#19

Methyl tert-butyl Ether
 Concen: 51.168 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

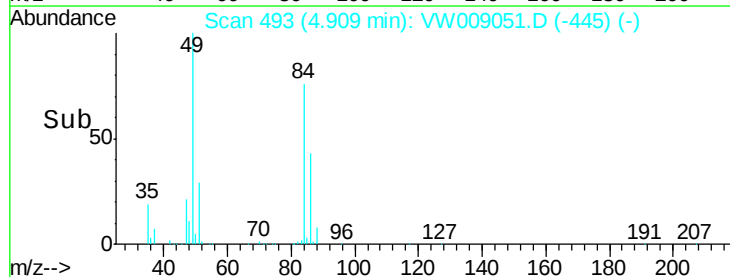
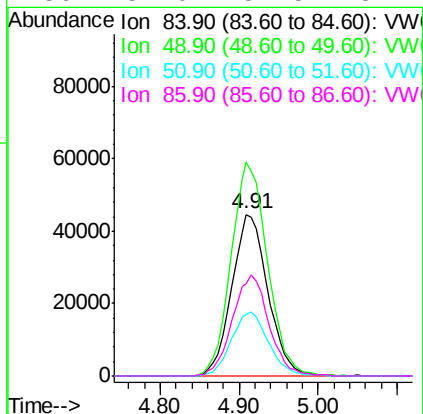
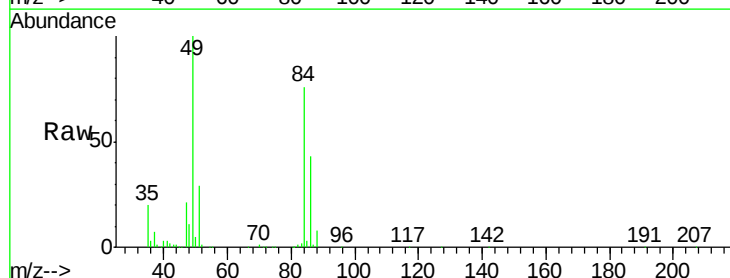
Tgt Ion: 73 Resp: 317712
 Ion Ratio Lower Upper
 73 100
 57 20.4 17.3 25.9

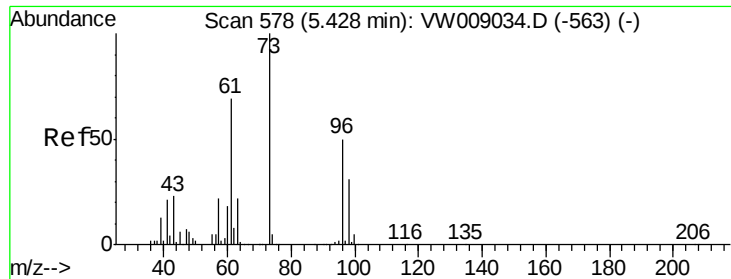


#20

Methylene Chloride
 Concen: 50.964 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 84 Resp: 141863
 Ion Ratio Lower Upper
 84 100
 49 132.1 102.4 153.6
 51 38.2 31.6 47.4
 86 57.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 46.485 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

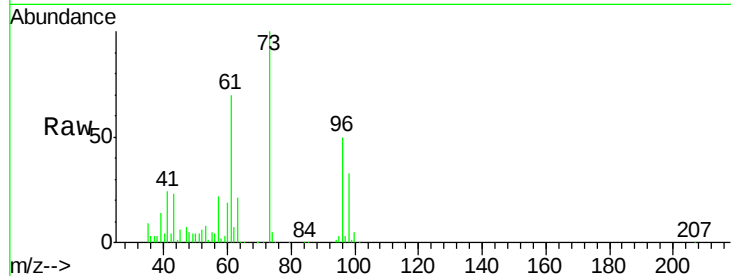
Tgt Ion: 96 Resp: 125985

Ion Ratio Lower Upper

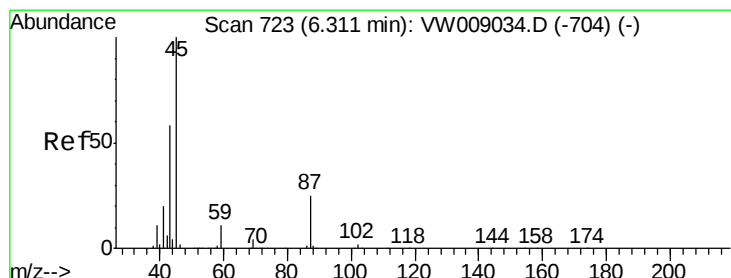
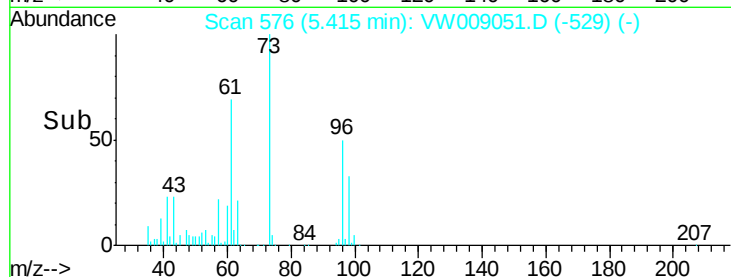
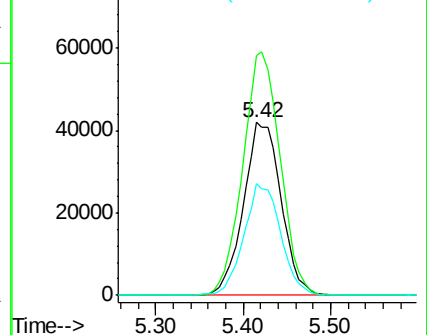
96 100

61 137.7 111.0 166.6

98 64.6 49.4 74.0



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: 49.987 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion: 45 Resp: 411292

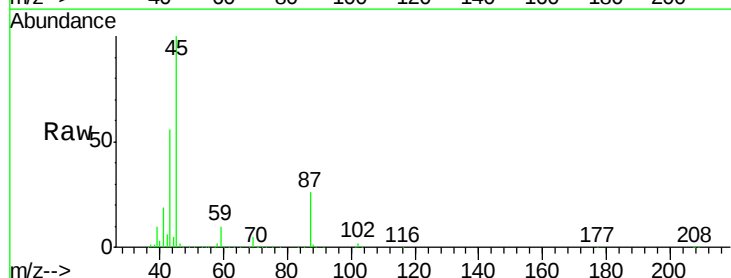
Ion Ratio Lower Upper

45 100

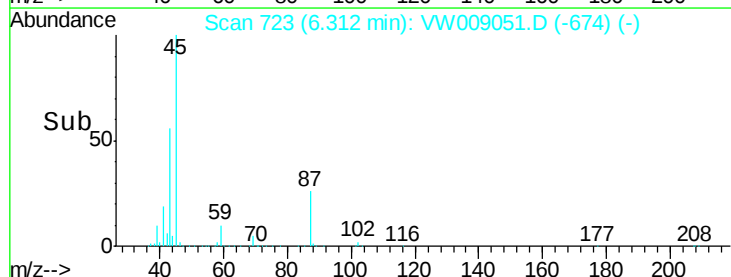
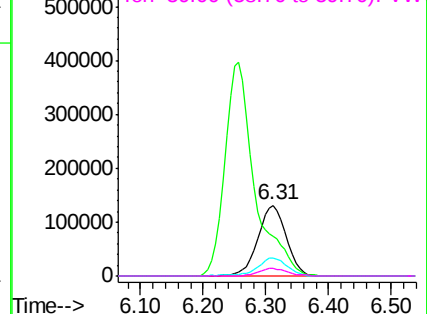
43 55.9 46.2 69.4

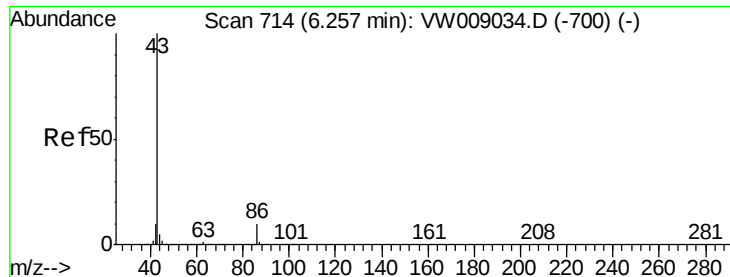
87 25.5 20.1 30.1

59 10.3 8.4 12.6



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: 253.949 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

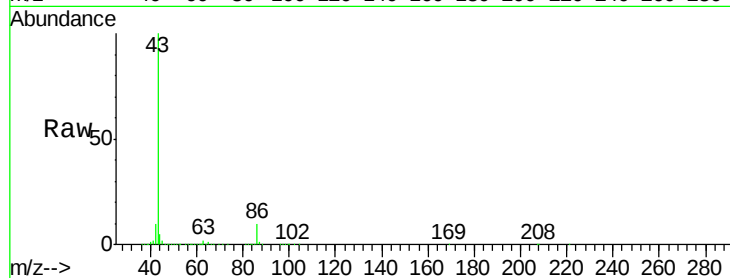
VSTDCCC050EC

Tgt Ion: 43 Resp: 1300277

Ion Ratio Lower Upper

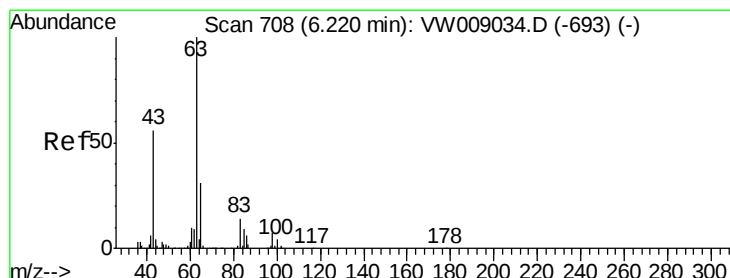
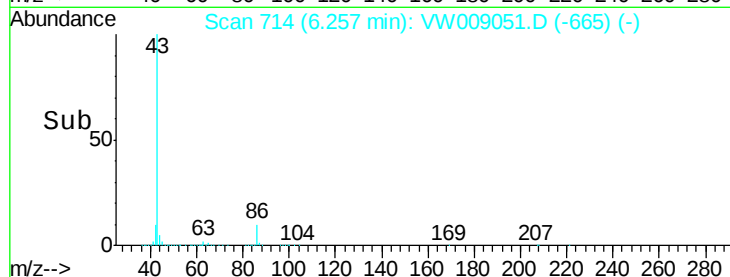
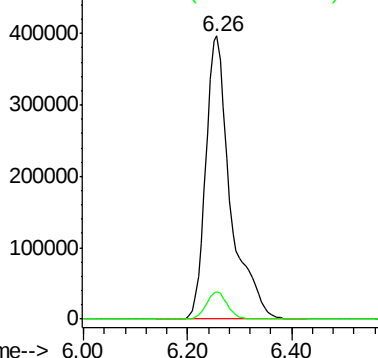
43 100

86 9.6 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 47.051 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

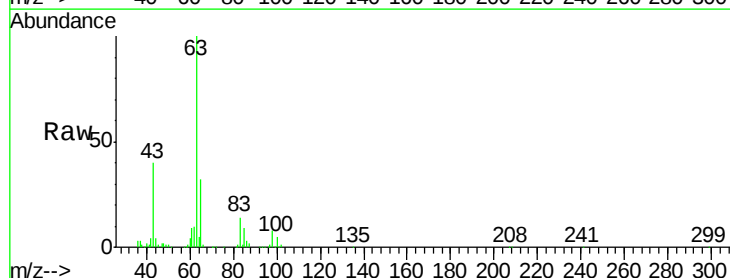
Tgt Ion: 63 Resp: 224548

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.2

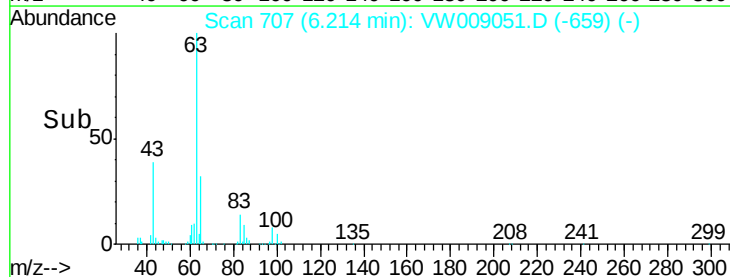
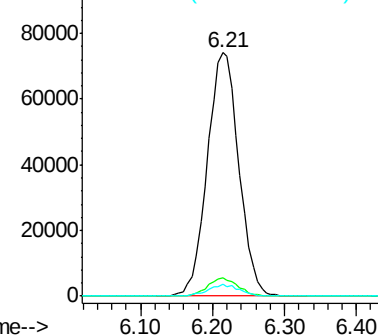
100 4.7 2.1 6.2

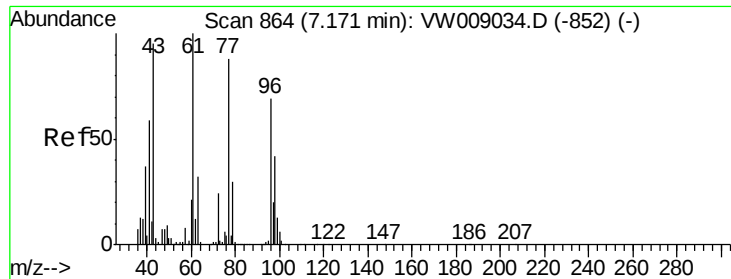


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 262.651 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

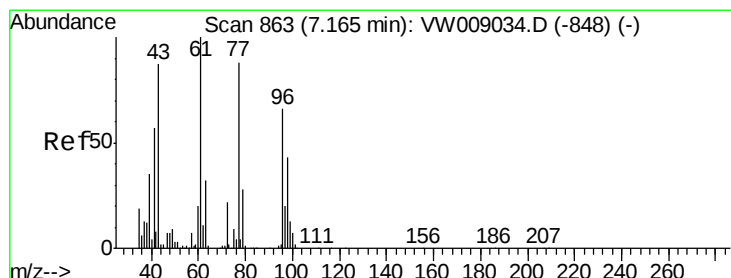
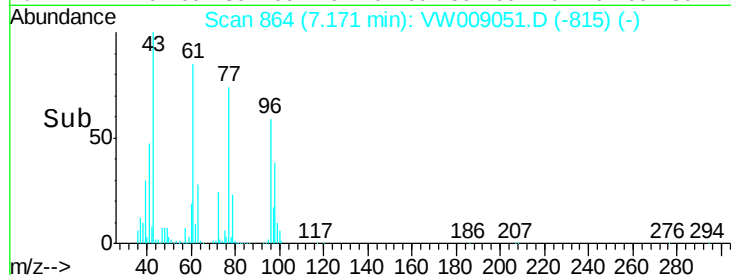
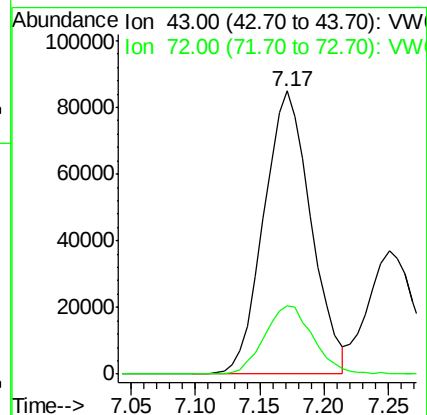
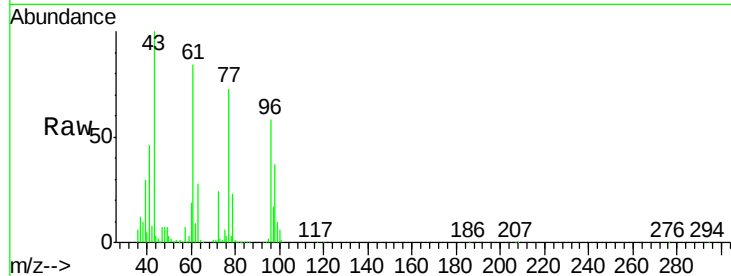
VSTDCCC050EC

Tgt Ion: 43 Resp: 215233

Ion Ratio Lower Upper

43 100

72 24.3 20.0 30.0



#26

2,2-Dichloropropane

Concen: 43.647 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009051.D

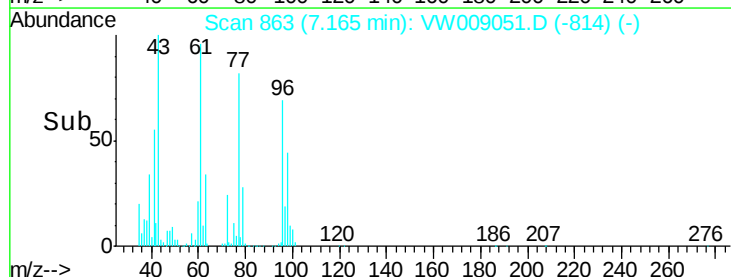
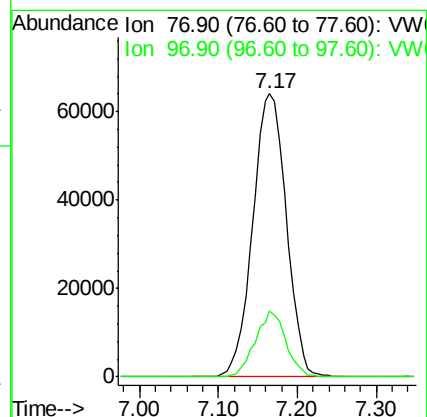
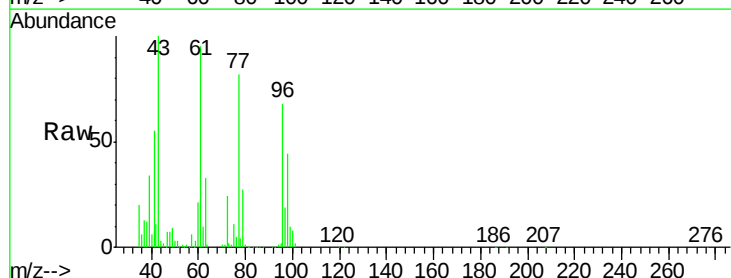
Acq: 07 Mar 2019 20:50

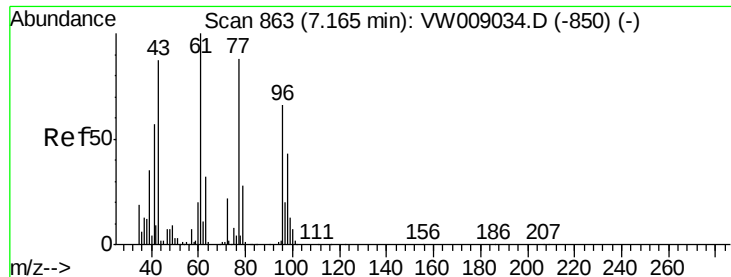
Tgt Ion: 77 Resp: 189343

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.9



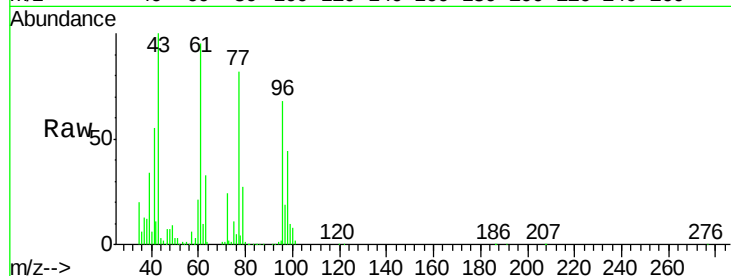


#27

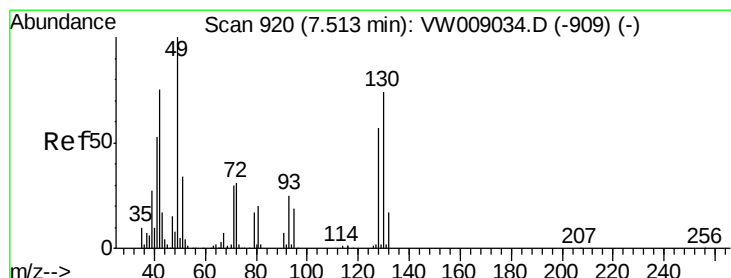
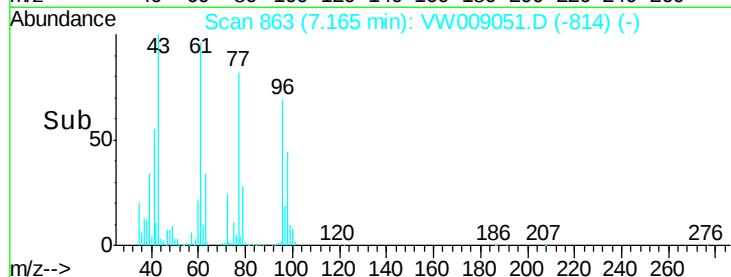
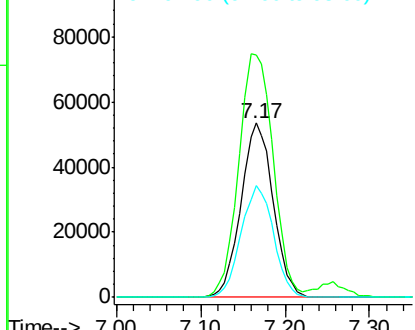
cis-1,2-Dichloroethene
Concen: 47.701 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 138848
Ion Ratio Lower Upper
96 100
61 149.3 0.0 299.8
98 64.5 0.0 127.2



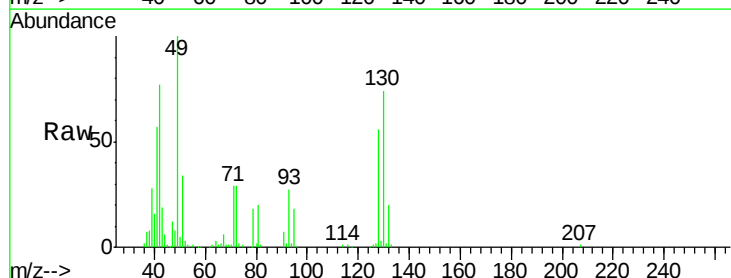
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



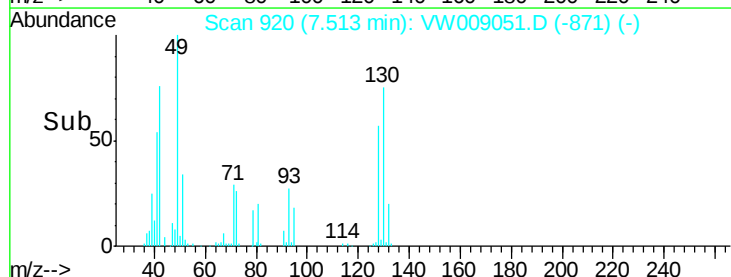
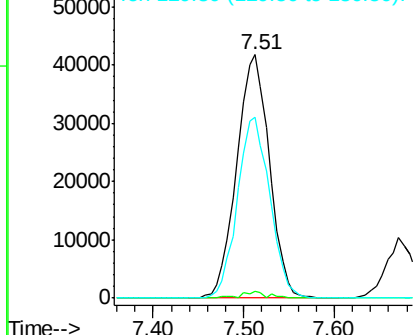
#28

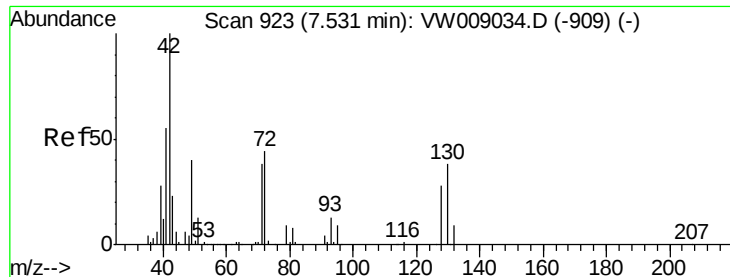
Bromochloromethane
Concen: 52.640 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 49 Resp: 104494
Ion Ratio Lower Upper
49 100
129 2.1 0.0 4.6
130 73.9 60.4 90.6



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

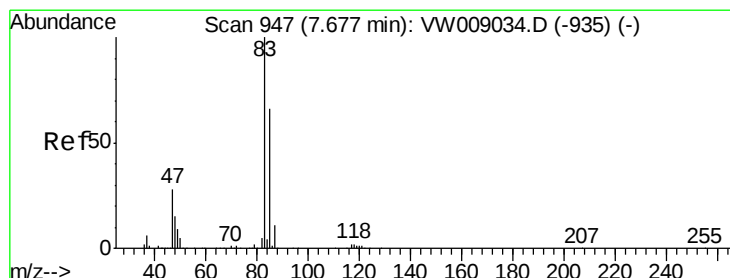
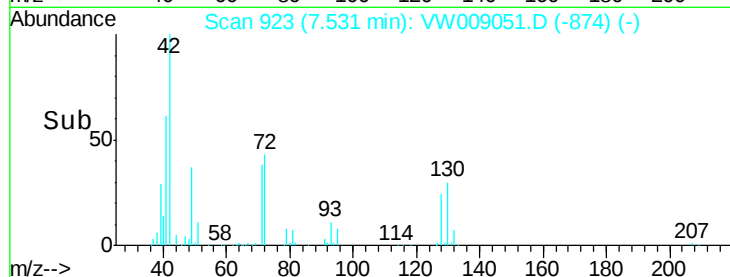
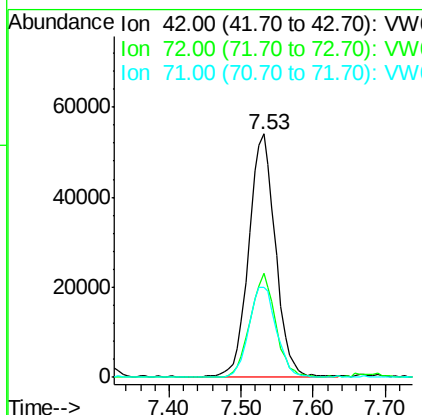
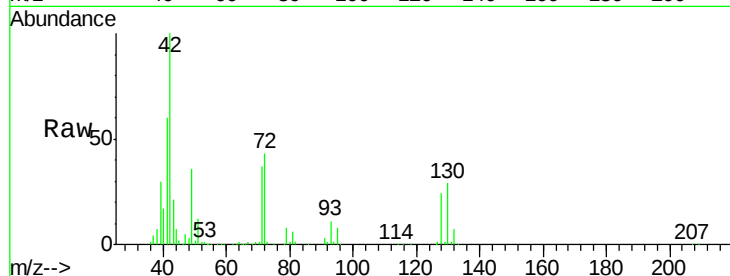




#29
Tetrahydrofuran
Concen: 267.753 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

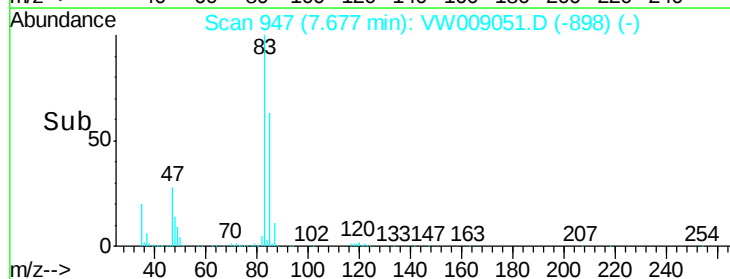
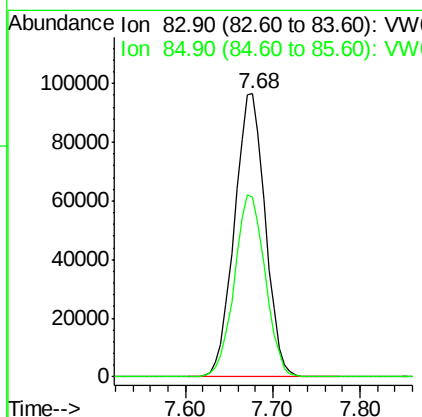
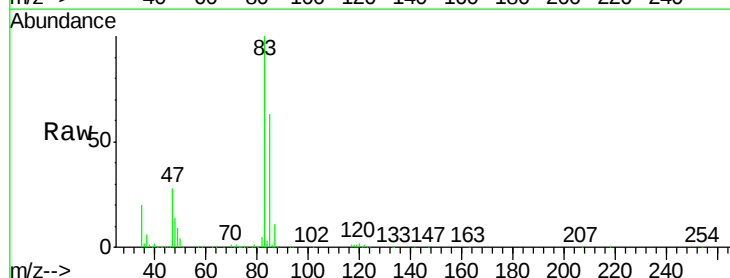
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

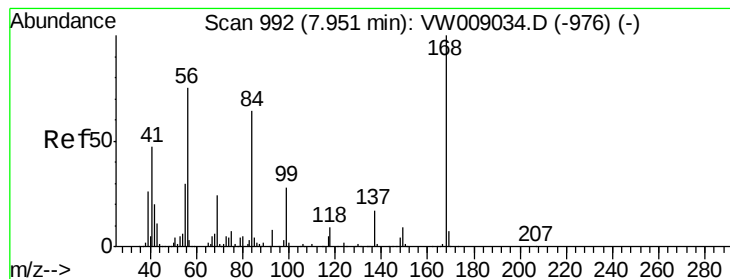
Tgt Ion: 42 Resp: 138269
Ion Ratio Lower Upper
42 100
72 40.9 32.2 48.4
71 38.5 30.7 46.1



#30
Chloroform
Concen: 48.001 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 83 Resp: 235852
Ion Ratio Lower Upper
83 100
85 63.3 53.0 79.6





#31

Cyclohexane

Concen: 42.422 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

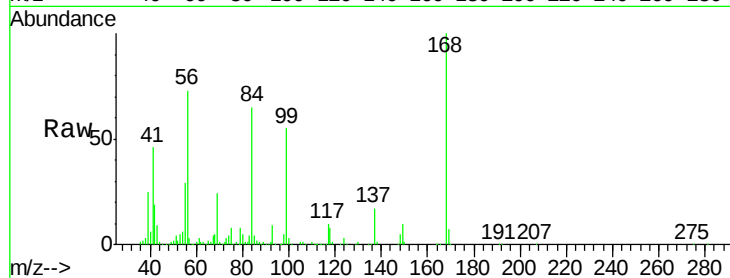
Tgt Ion: 56 Resp: 207881

Ion Ratio Lower Upper

56 100

69 32.4 25.5 38.3

84 87.1 68.6 103.0

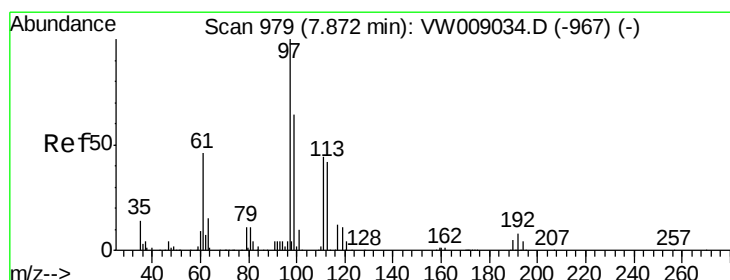
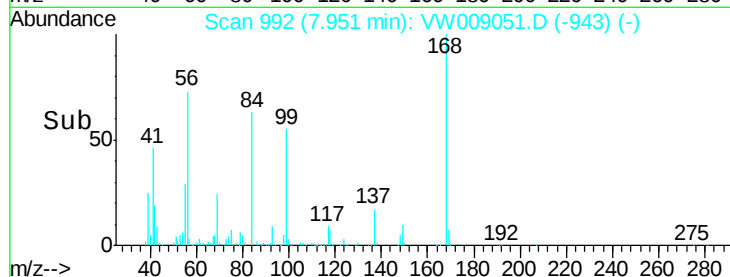
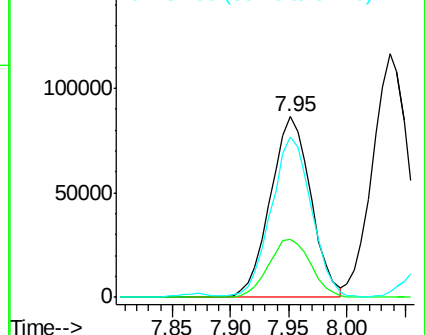


Abundance

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: 45.706 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

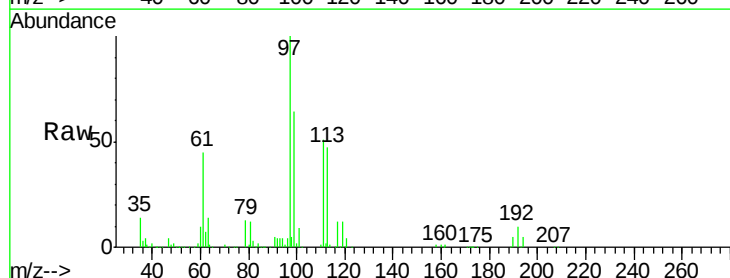
Tgt Ion: 97 Resp: 207250

Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 46.1 37.3 55.9

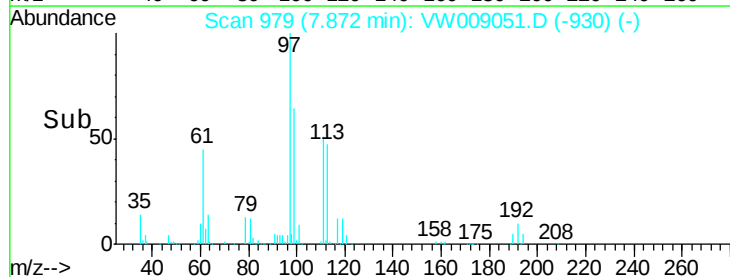
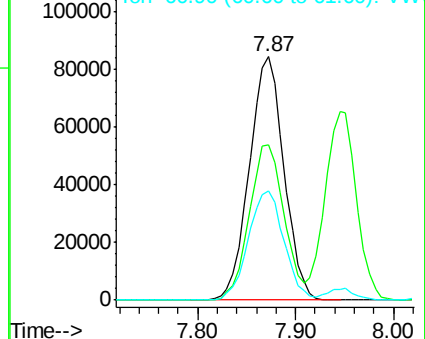


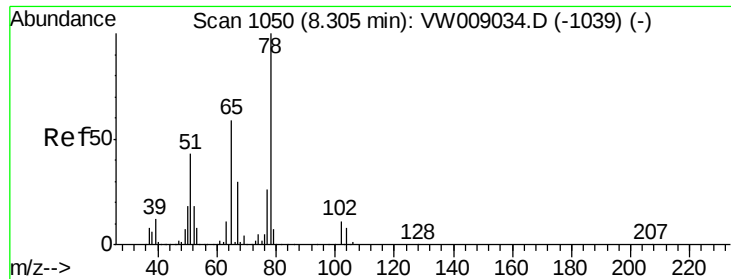
Abundance

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

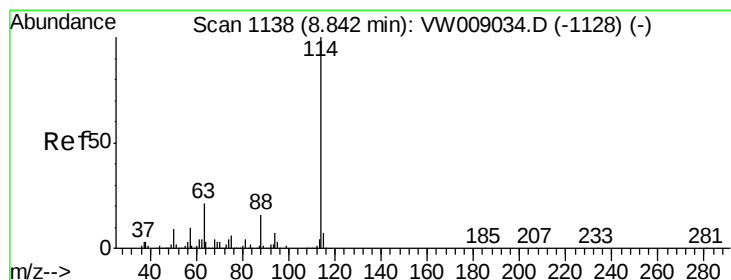
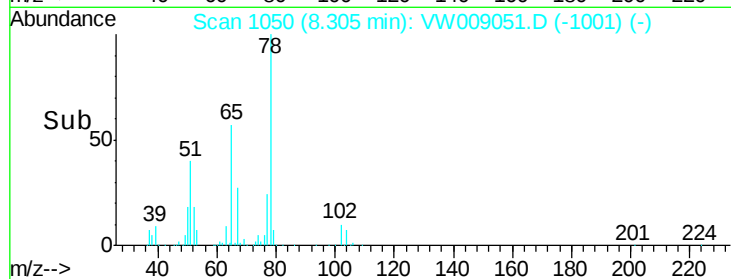
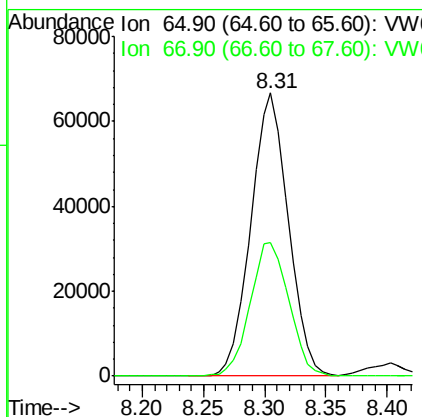
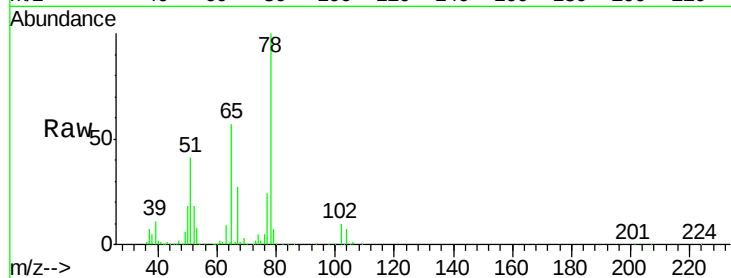




#33
 1,2-Dichloroethane-d4
 Concen: 54.193 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

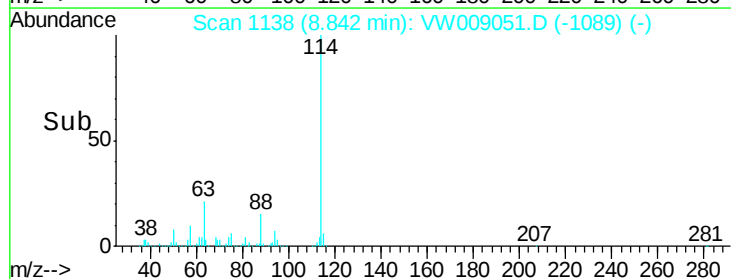
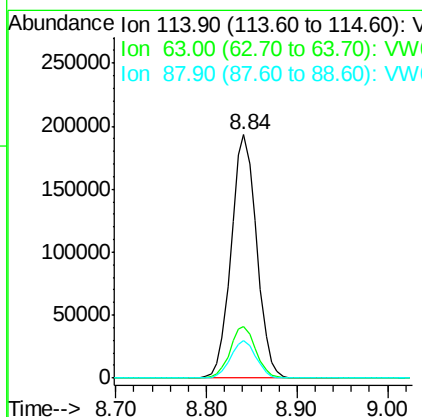
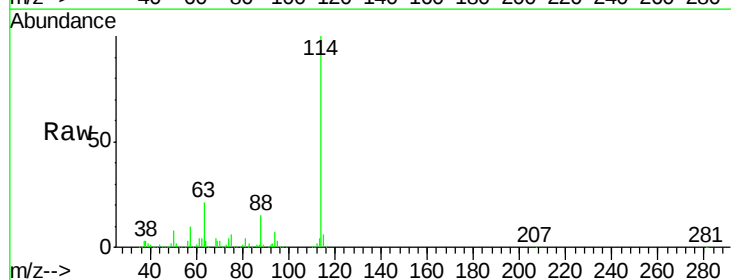
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

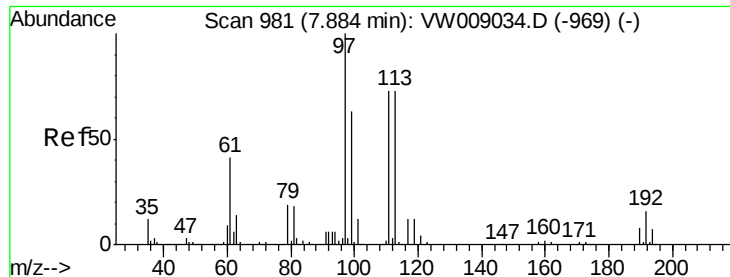
Tgt Ion: 65 Resp: 142400
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 114 Resp: 379143
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.2
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.362 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

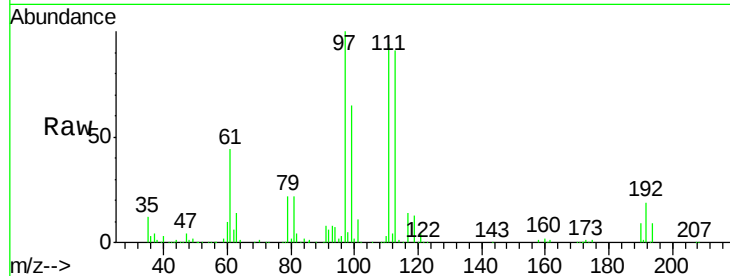
Tgt Ion:113 Resp: 119531

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.4

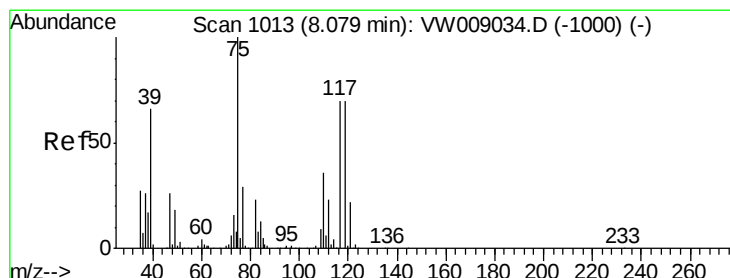
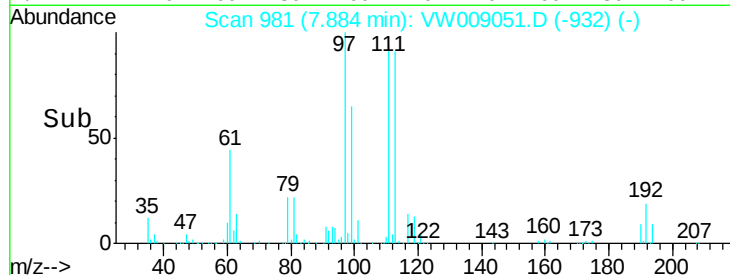
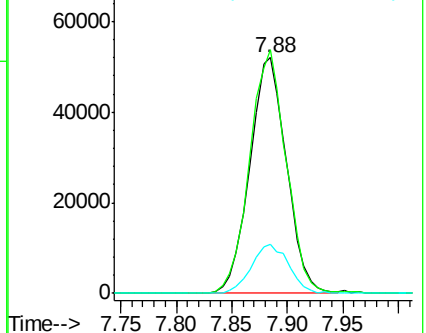
192 21.3 17.1 25.7



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: 45.750 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

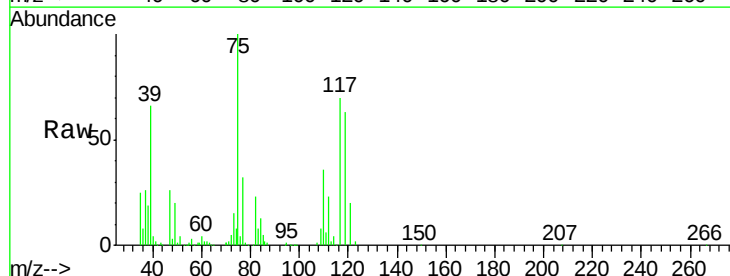
Tgt Ion: 75 Resp: 181371

Ion Ratio Lower Upper

75 100

110 34.1 17.6 52.9

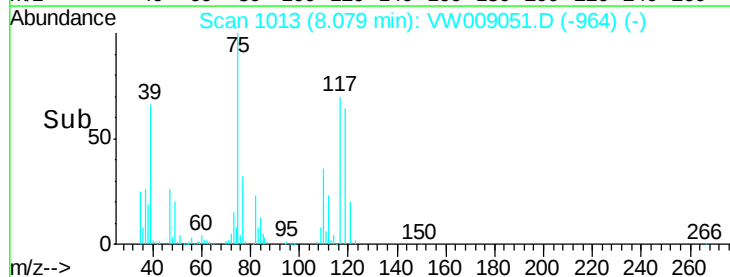
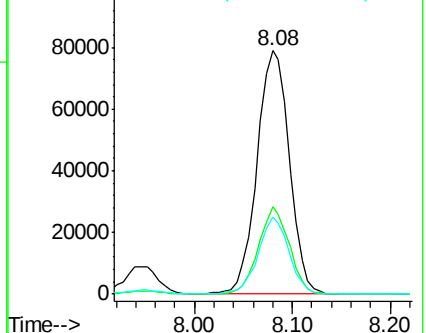
77 30.4 25.1 37.7

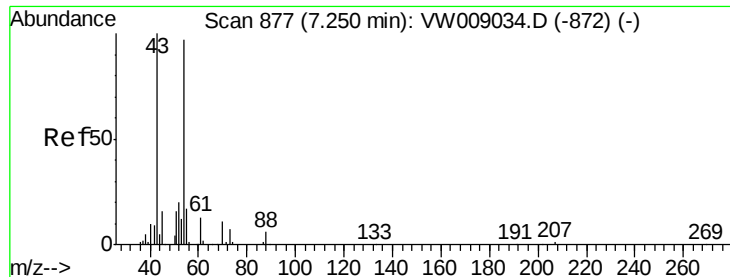


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

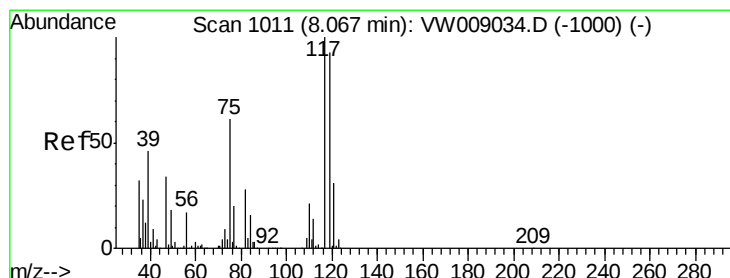
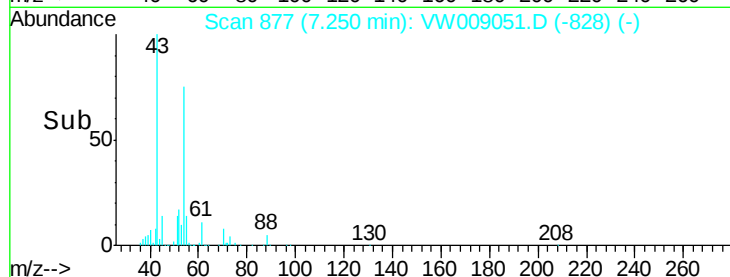
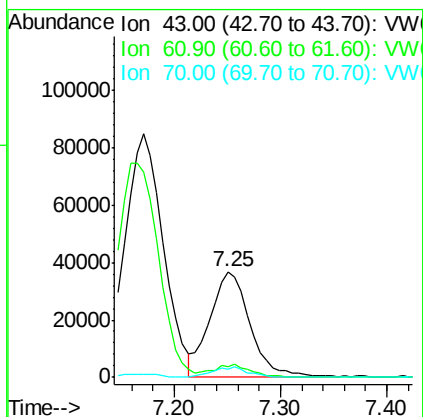
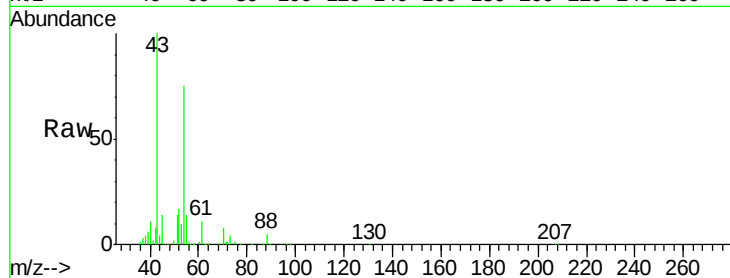




#37
 Ethyl Acetate
 Concen: 50.959 ug/l
 RT: 7.25 min Scan# 877
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

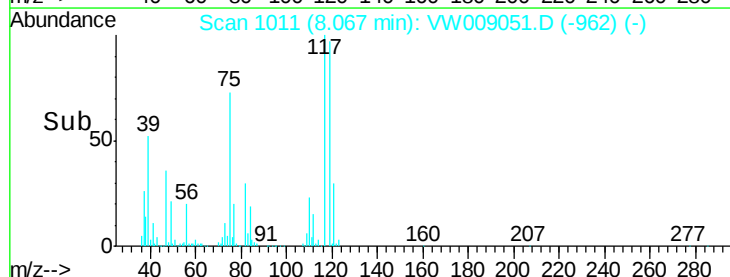
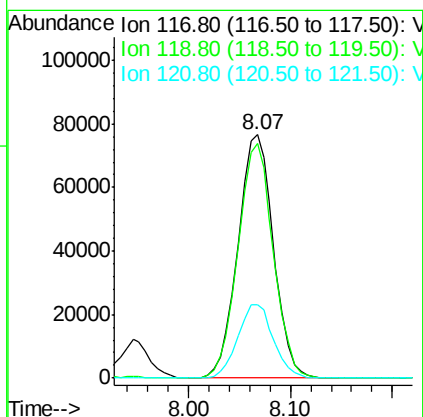
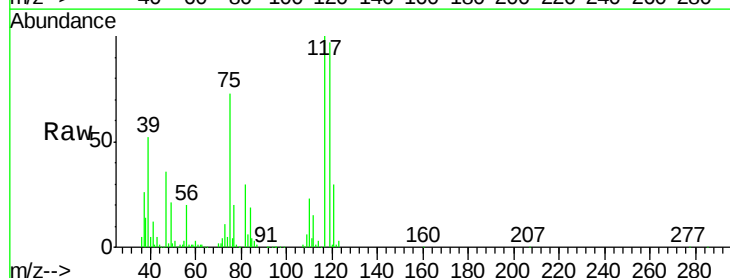
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

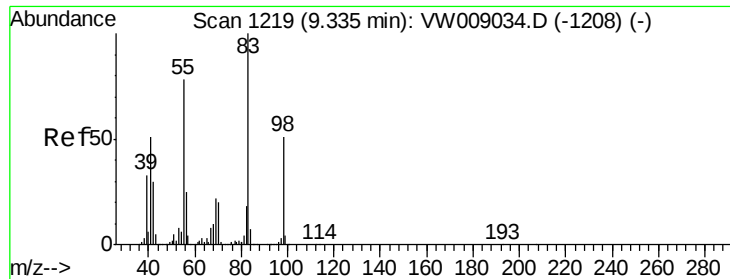
Tgt Ion: 43 Resp: 94891
 Ion Ratio Lower Upper
 43 100
 61 11.7 9.8 14.6
 70 9.1 7.2 10.8



#38
 Carbon Tetrachloride
 Concen: 45.102 ug/l
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 117 Resp: 184655
 Ion Ratio Lower Upper
 117 100
 119 96.5 74.6 112.0
 121 30.1 24.7 37.1





#39

Methylcyclohexane

Concen: 47.047 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

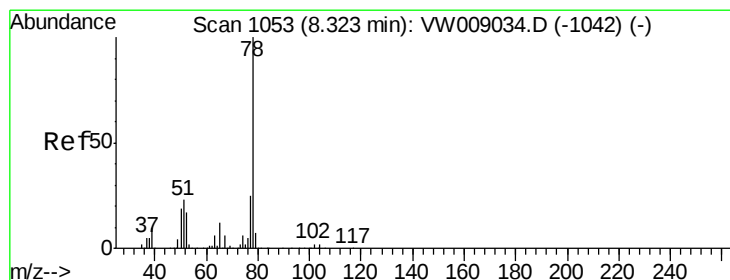
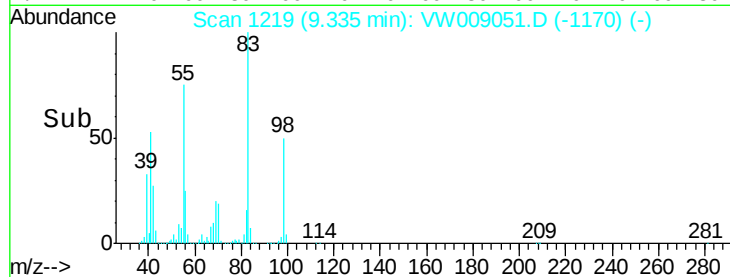
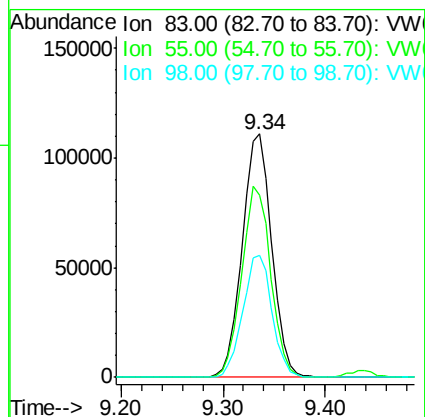
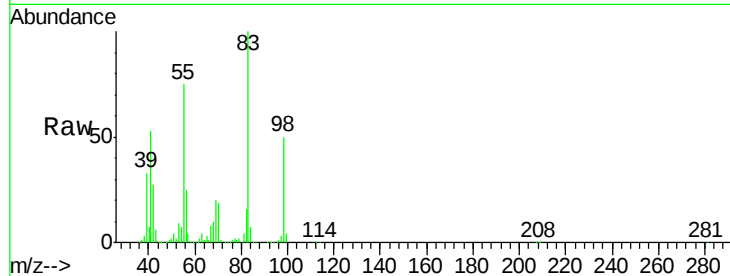
Tgt Ion: 83 Resp: 222151

Ion Ratio Lower Upper

83 100

55 75.1 62.7 94.1

98 49.9 40.8 61.2



#40

Benzene

Concen: 47.496 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009051.D

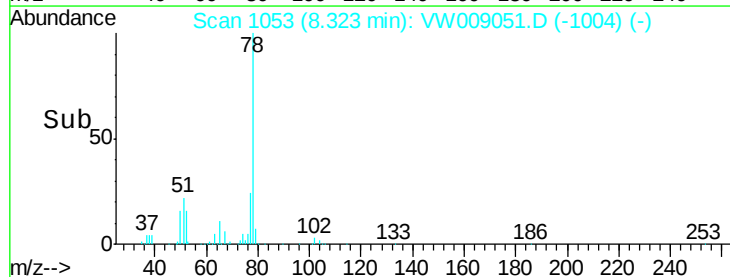
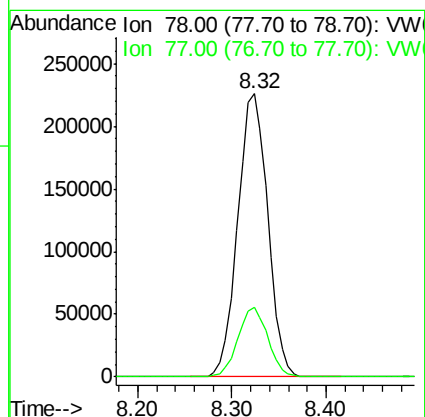
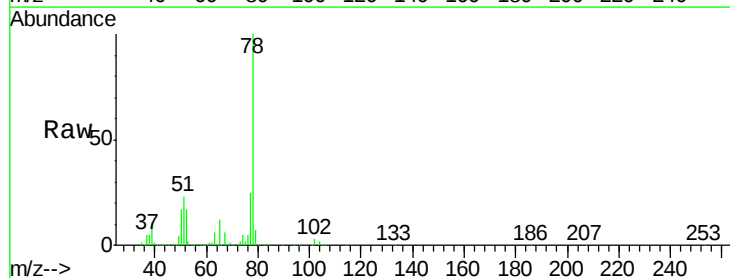
Acq: 07 Mar 2019 20:50

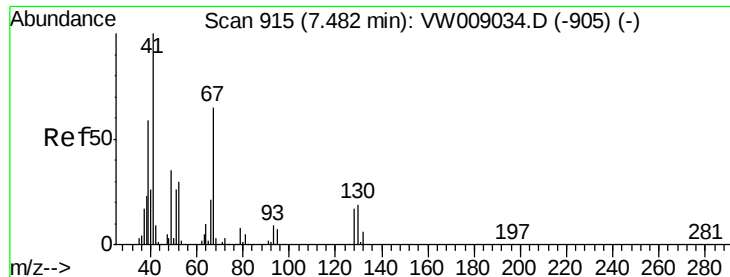
Tgt Ion: 78 Resp: 502640

Ion Ratio Lower Upper

78 100

77 24.6 20.2 30.4

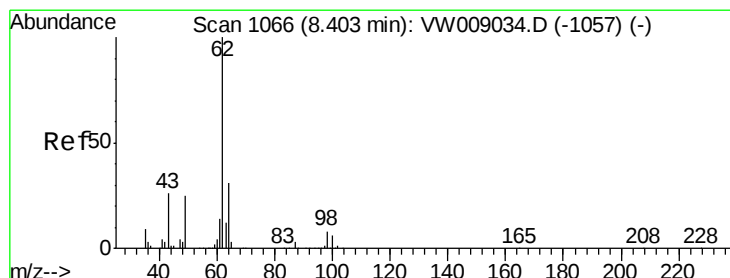
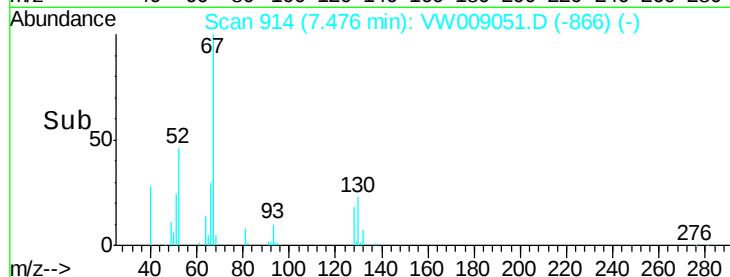
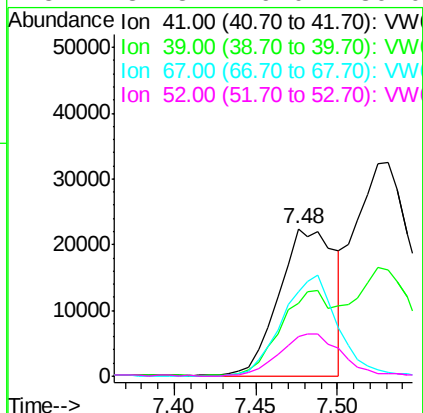
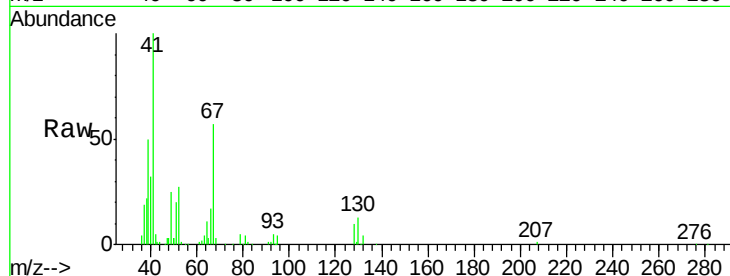




#41
Methacrylonitrile
Concen: 51.961 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

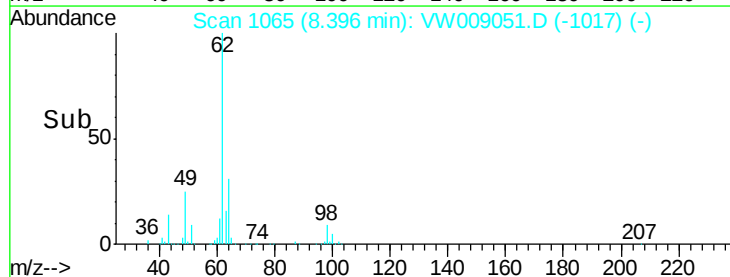
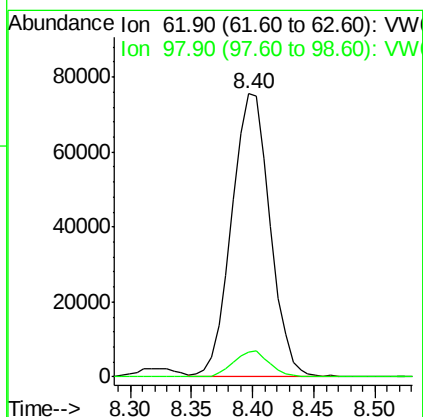
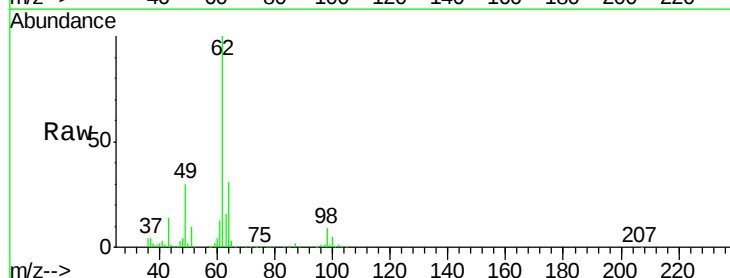
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

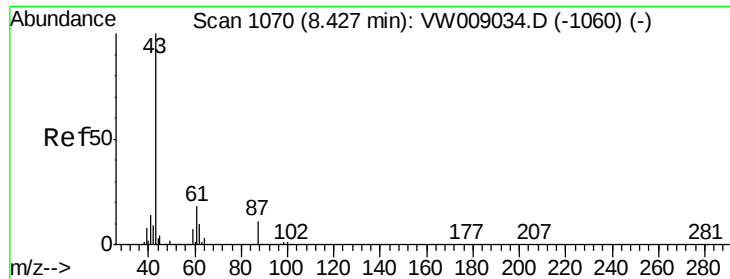
Tgt Ion:	41	Resp:	53731
Ion	Ratio	Lower	Upper
41	100		
39	56.2	53.6	80.4
67	67.5	57.6	86.4
52	31.8	26.0	39.0



#42
1,2-Dichloroethane
Concen: 48.096 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion:	62	Resp:	164322
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.6





#43

Isopropyl Acetate

Concen: 52.986 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

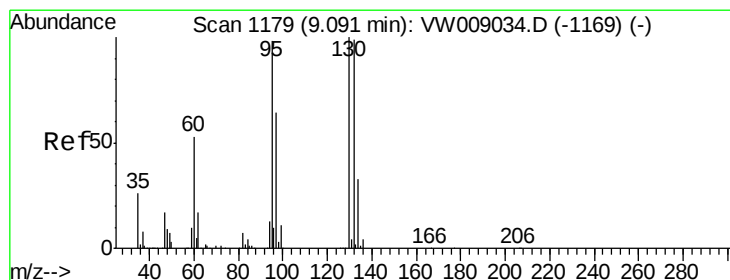
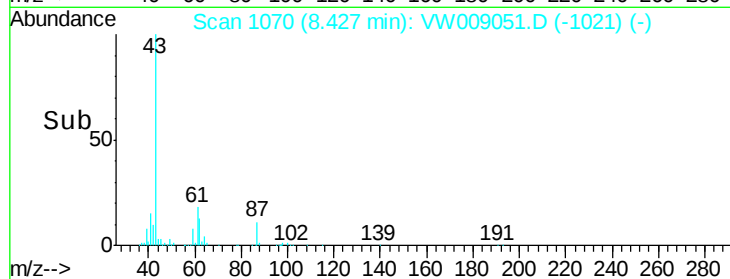
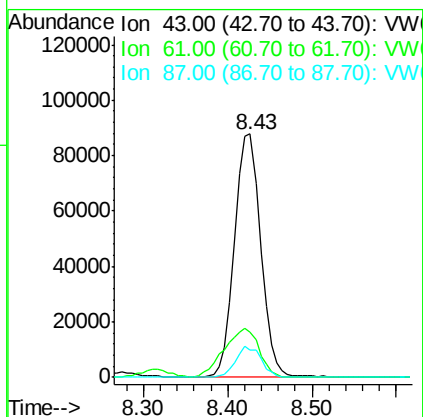
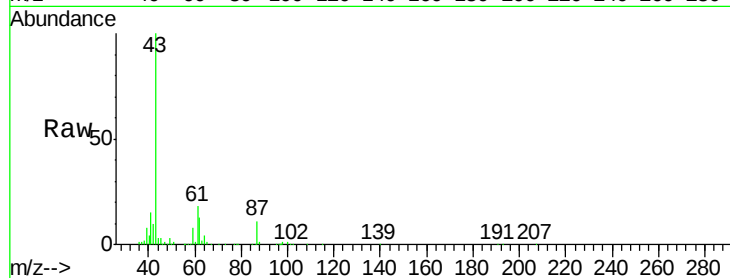
Tgt Ion: 43 Resp: 183764

Ion Ratio Lower Upper

43 100

61 27.0 22.8 34.2

87 12.5 9.4 14.2



#44

Trichloroethene

Concen: 45.976 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW009051.D

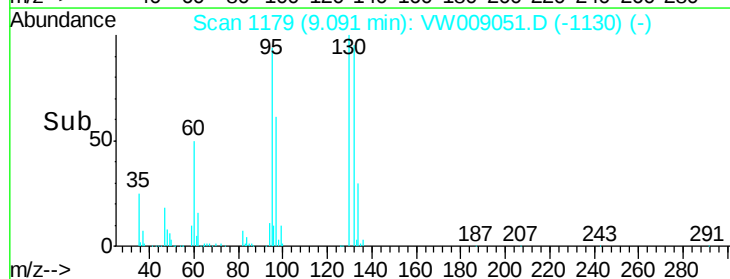
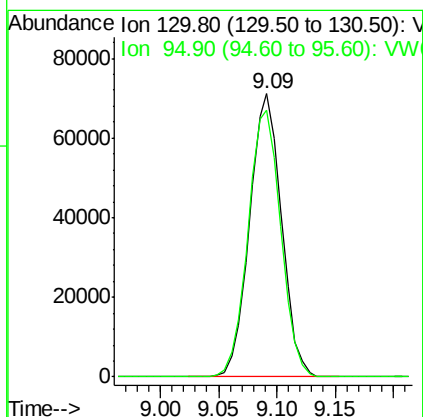
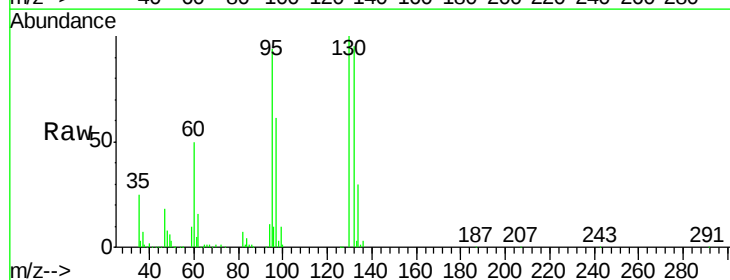
Acq: 07 Mar 2019 20:50

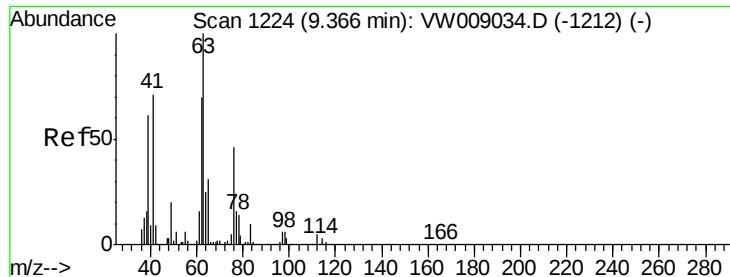
Tgt Ion: 130 Resp: 136370

Ion Ratio Lower Upper

130 100

95 94.3 0.0 197.0





#45

1,2-Dichloropropane

Concen: 48.252 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

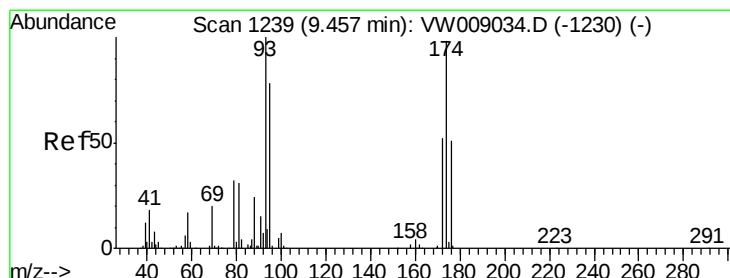
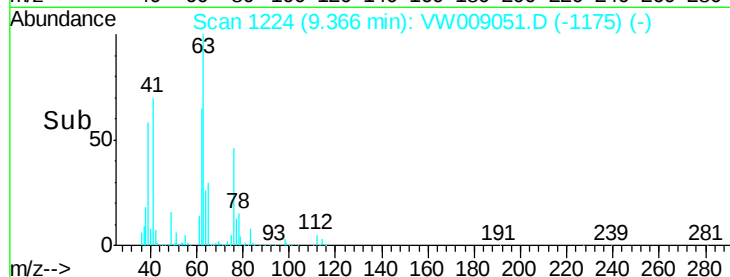
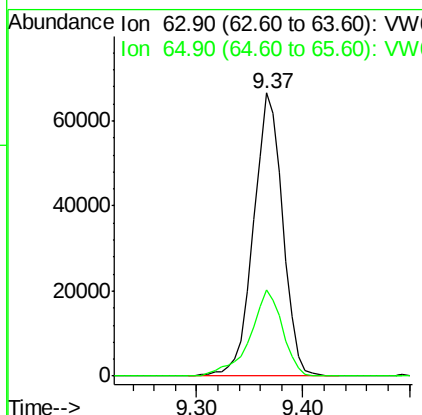
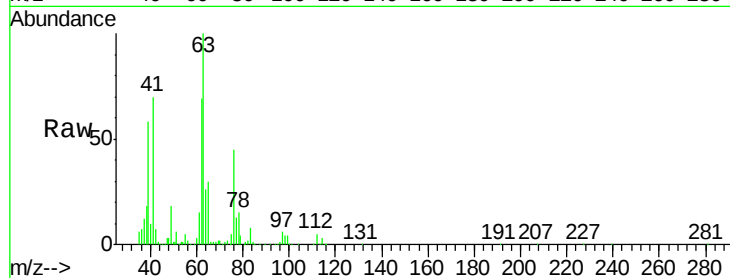
VSTDCCC050EC

Tgt Ion: 63 Resp: 127893

Ion Ratio Lower Upper

63 100

65 30.3 24.9 37.3



#46

Dibromomethane

Concen: 48.899 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

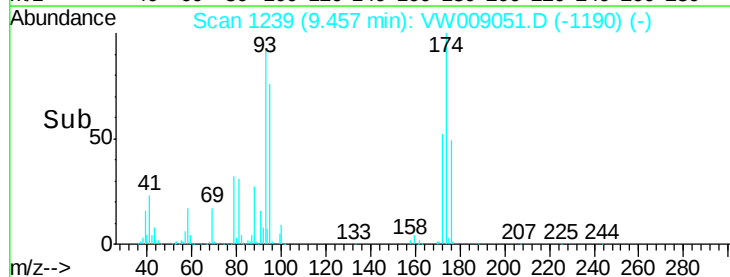
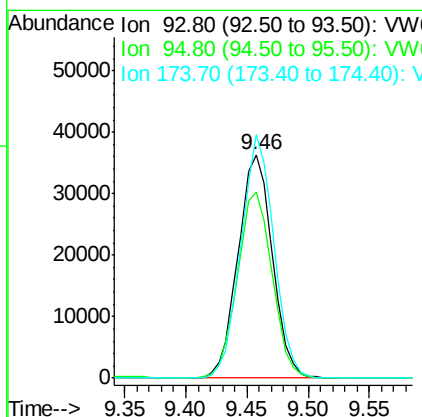
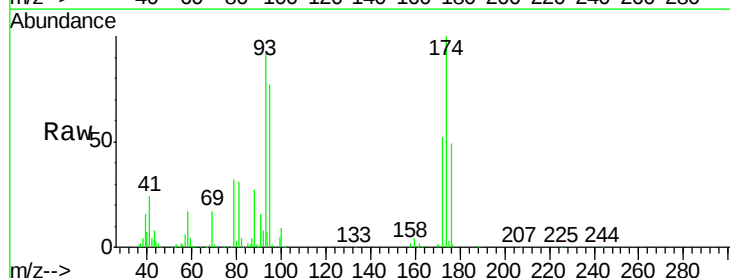
Tgt Ion: 93 Resp: 70784

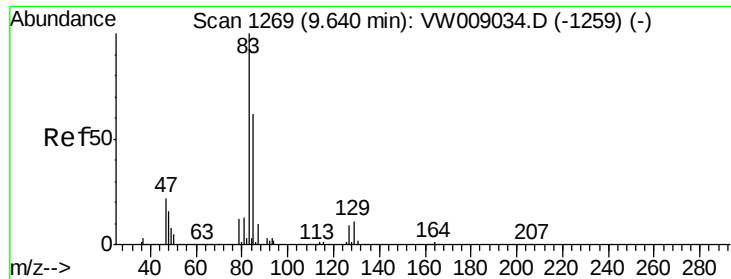
Ion Ratio Lower Upper

93 100

95 84.2 65.0 97.6

174 105.0 81.8 122.6

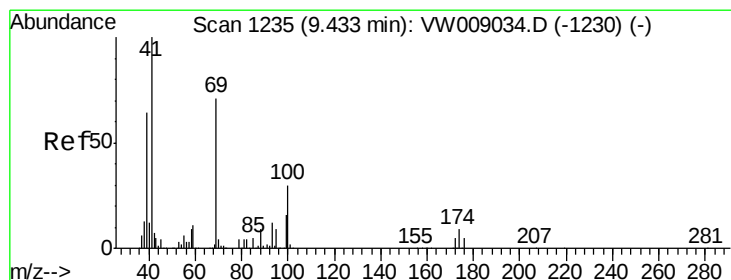
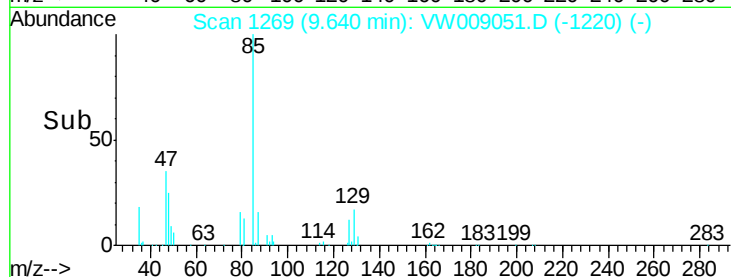
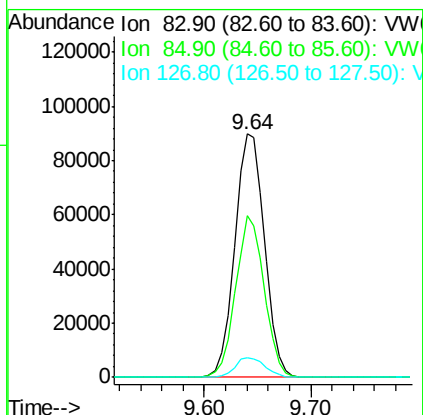
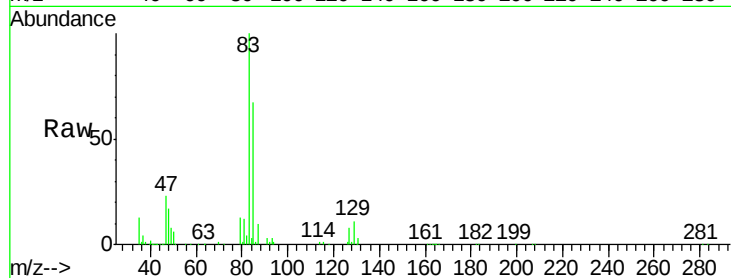




#47
 Bromodichloromethane
 Concen: 47.832 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

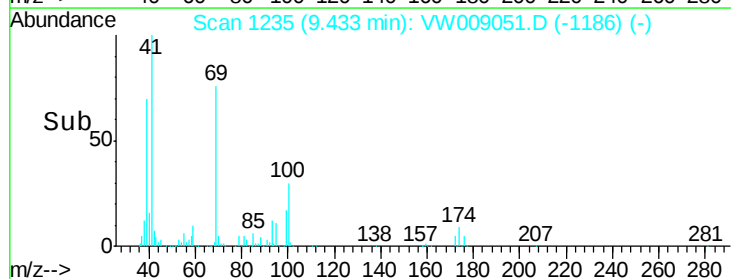
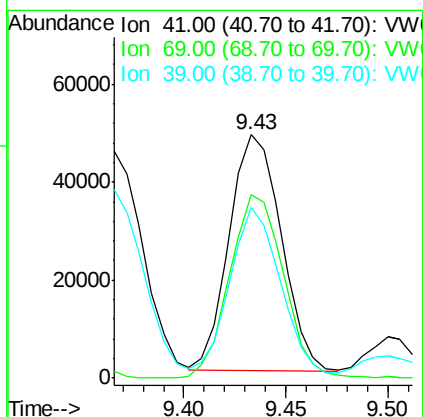
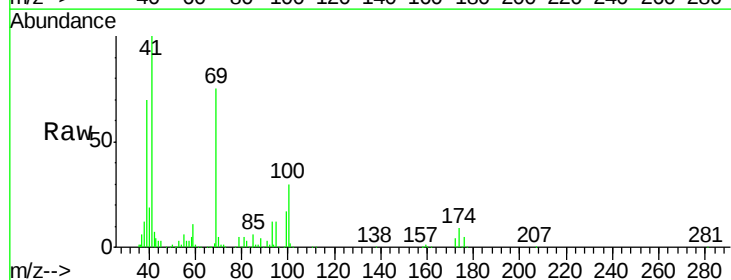
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

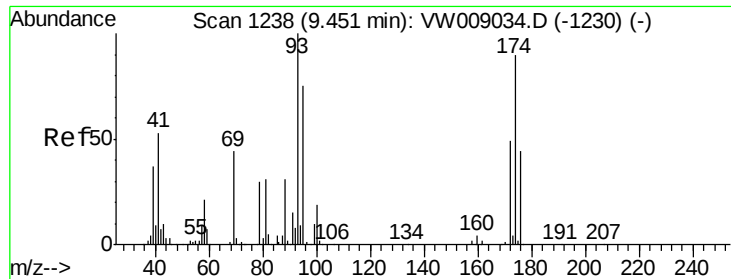
Tgt Ion: 83 Resp: 175269
 Ion Ratio Lower Upper
 83 100
 85 66.6 49.9 74.9
 127 7.9 7.1 10.7



#48
 Methyl methacrylate
 Concen: 53.016 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 41 Resp: 85615
 Ion Ratio Lower Upper
 41 100
 69 80.1 59.1 88.7
 39 66.8 48.9 73.3

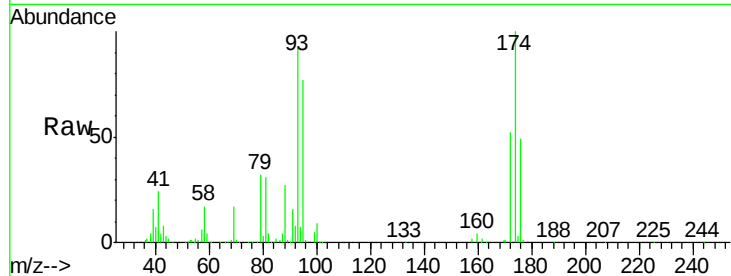




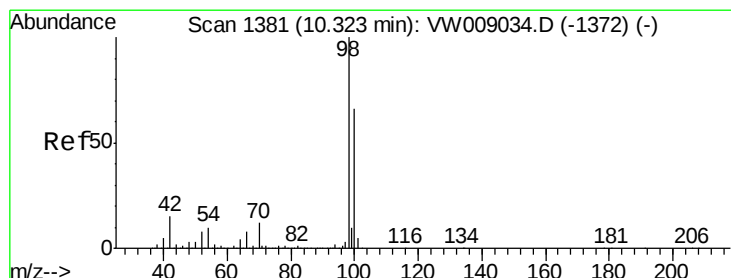
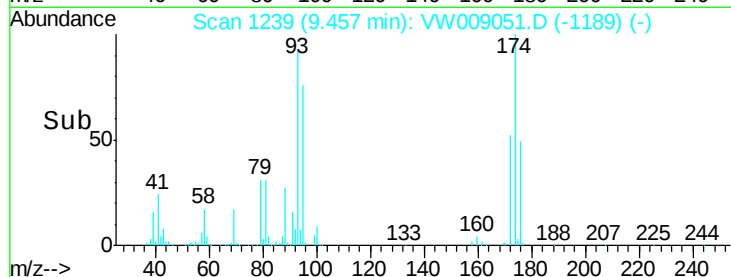
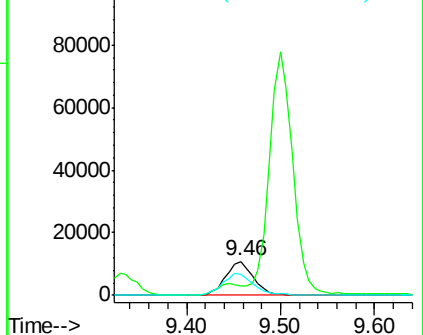
#49
1,4-Dioxane
Concen: 1071.951 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 22220
Ion Ratio Lower Upper
88 100
43 33.9 29.0 43.4
58 72.9 59.2 88.8

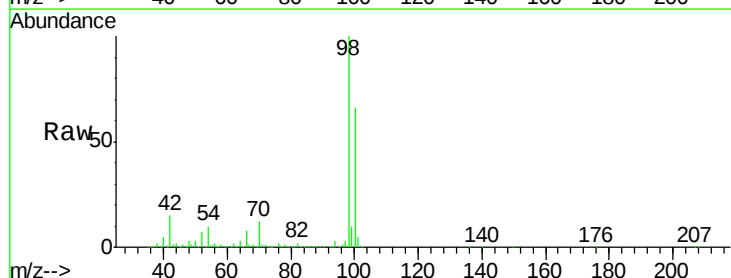


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

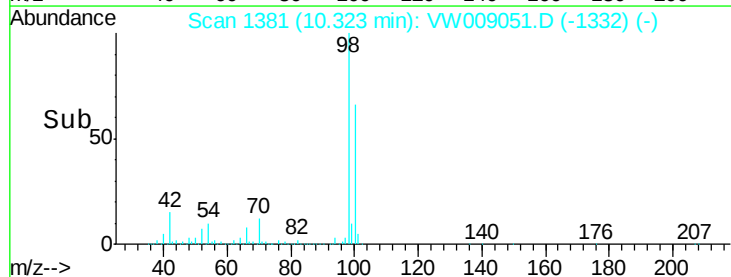
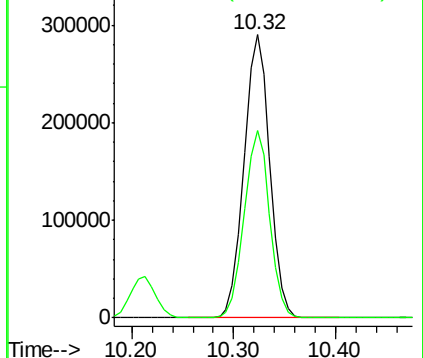


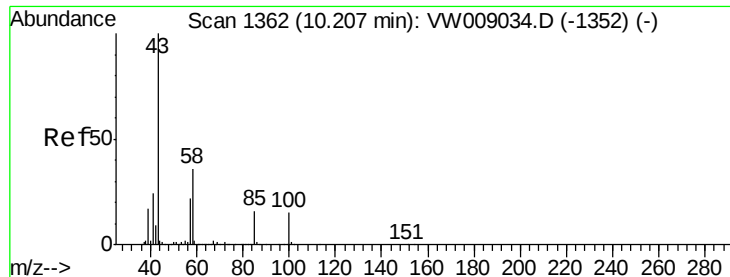
#50
Toluene-d8
Concen: 54.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 98 Resp: 507682
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

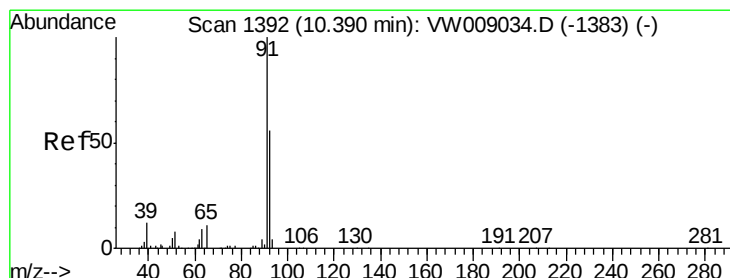
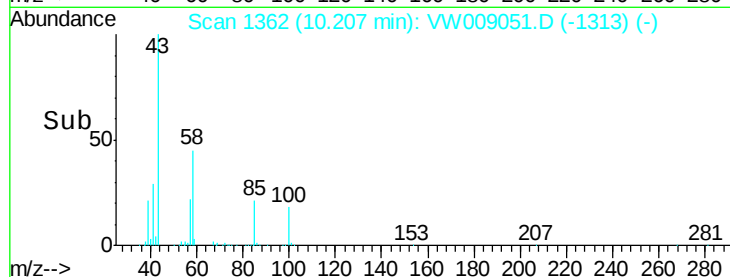
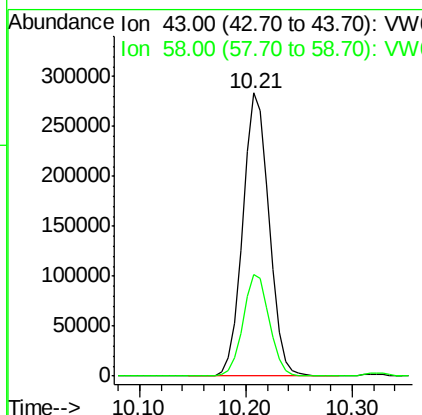
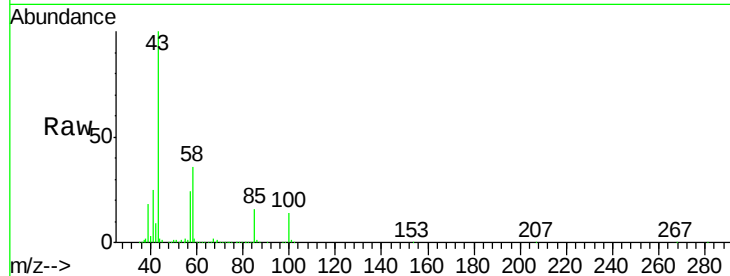




#51
 4-Methyl-2-Pentanone
 Concen: 279.199 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

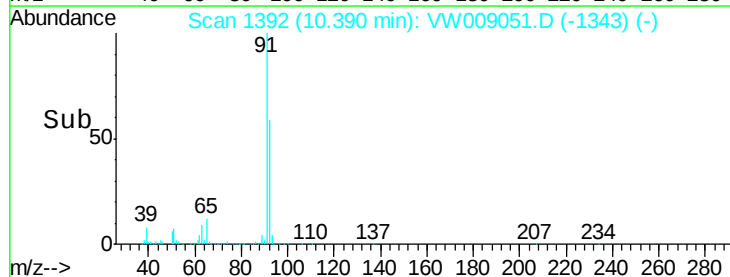
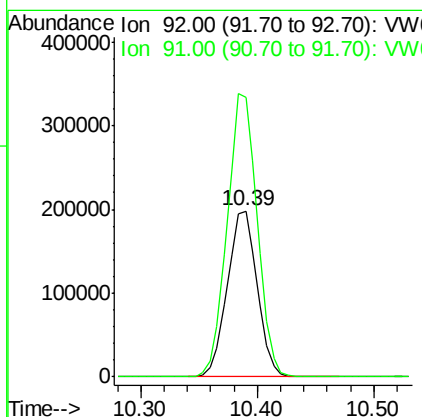
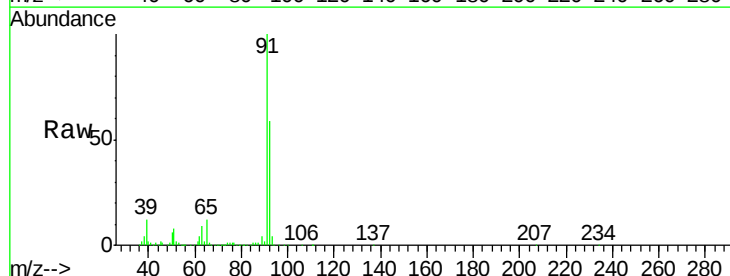
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

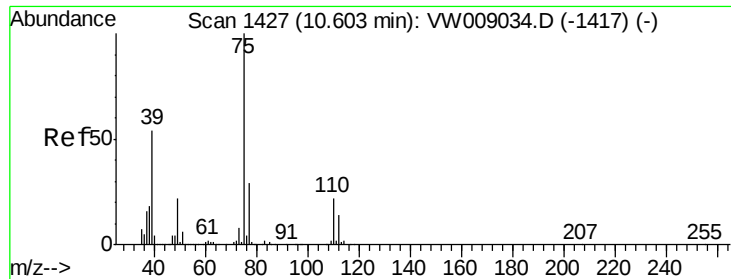
Tgt Ion: 43 Resp: 491576
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.8 43.2



#52
 Toluene
 Concen: 49.165 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 92 Resp: 352860
 Ion Ratio Lower Upper
 92 100
 91 171.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 49.537 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

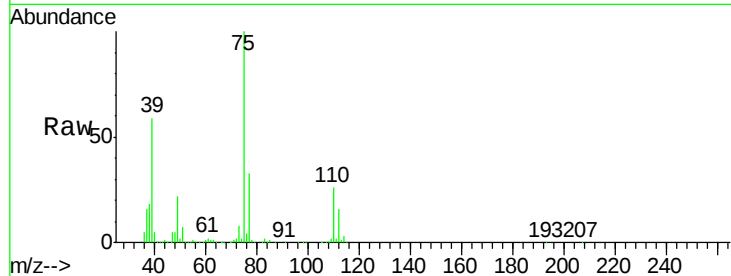
VSTDCCC050EC

Tgt Ion: 75 Resp: 179528

Ion Ratio Lower Upper

75 100

77 32.6 23.6 35.4



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

60000

40000

20000

0

Time--> 10.50

10.60

10.70

10.80

10.90

11.00

11.10

11.20

11.30

11.40

11.50

11.60

11.70

11.80

11.90

12.00

12.10

12.20

12.30

12.40

12.50

12.60

12.70

12.80

12.90

13.00

13.10

13.20

13.30

13.40

13.50

13.60

13.70

13.80

13.90

14.00

14.10

14.20

14.30

14.40

14.50

14.60

14.70

14.80

14.90

15.00

15.10

15.20

15.30

15.40

15.50

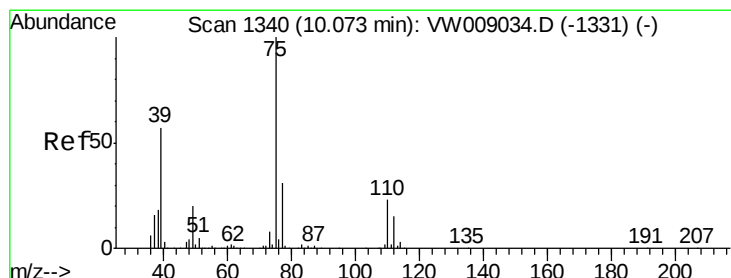
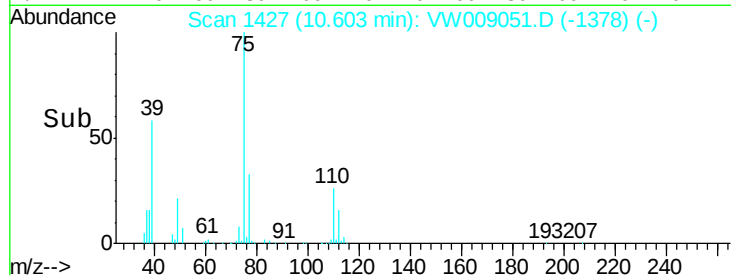
15.60

15.70

15.80

15.90

16.00



#54

cis-1,3-Dichloropropene

Concen: 48.681 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

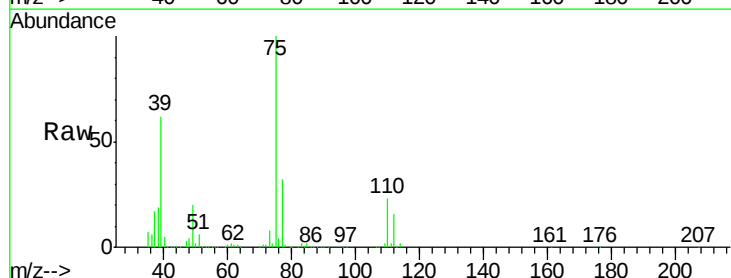
Tgt Ion: 75 Resp: 202742

Ion Ratio Lower Upper

75 100

77 32.3 24.6 36.8

39 61.4 45.9 68.9



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

10.07

150000

100000

50000

0

Time--> 10.00

10.07

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

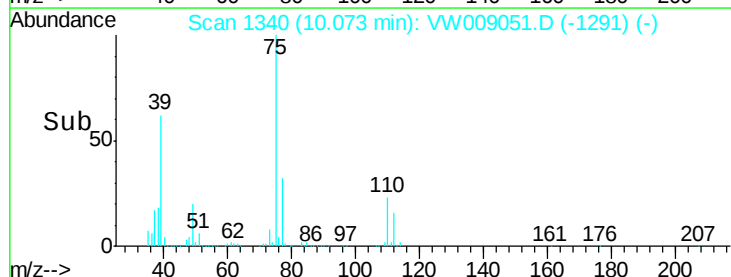
11.00

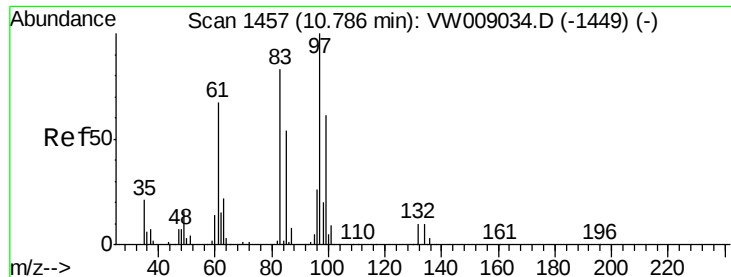
11.05

11.10

11.15

11.20

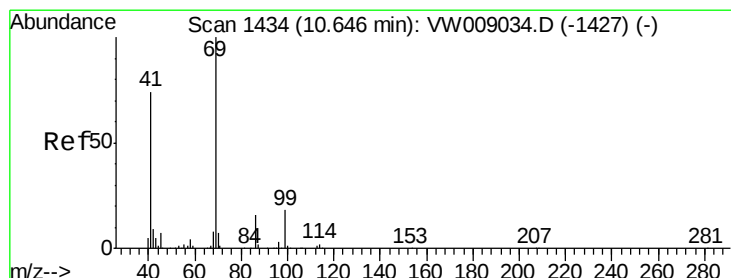
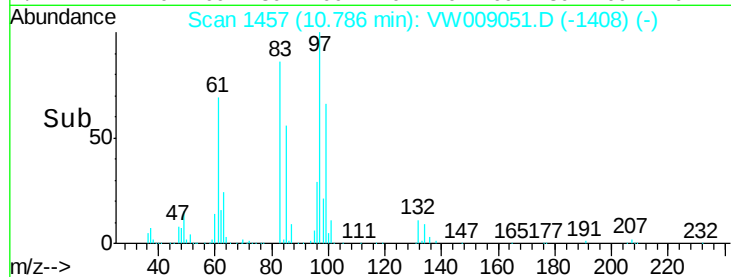
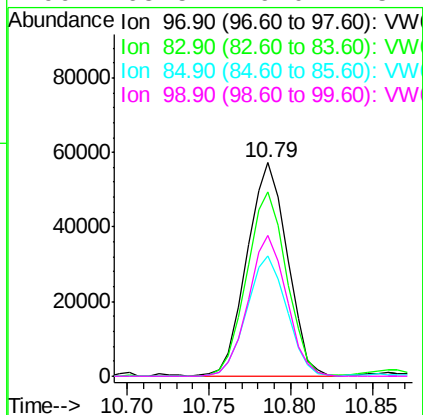
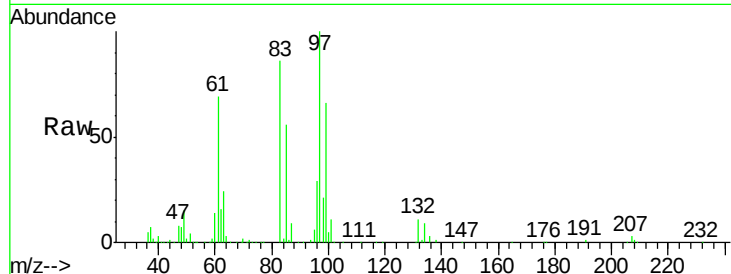




#55
 1,1,2-Trichloroethane
 Concen: 50.490 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

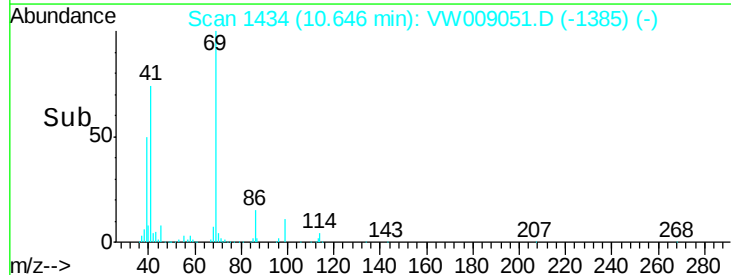
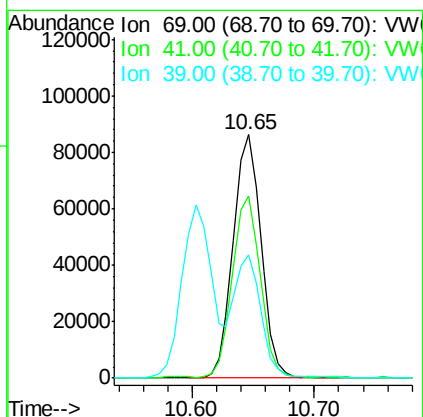
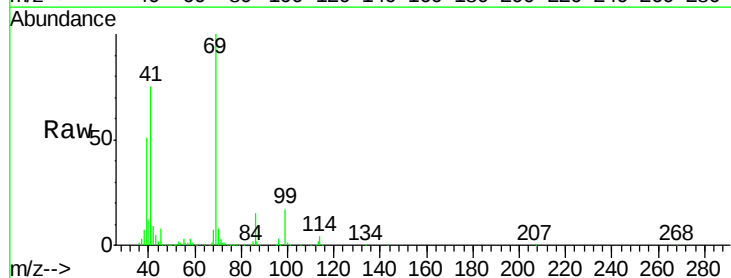
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

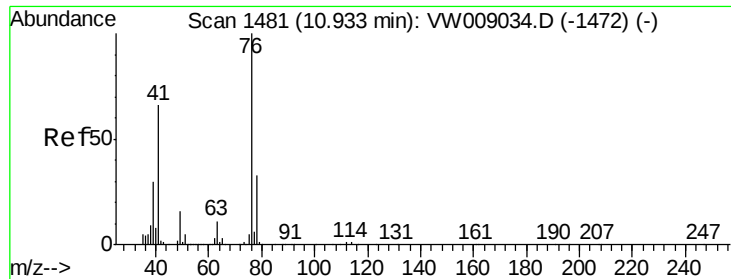
Tgt Ion:	97	Resp:	99061
Ion	Ratio	Lower	Upper
97	100		
83	85.9	66.2	99.2
85	56.0	43.6	65.4
99	65.5	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 56.126 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion:	69	Resp:	136666
Ion	Ratio	Lower	Upper
69	100		
41	73.5	59.4	89.2
39	46.3	38.5	57.7

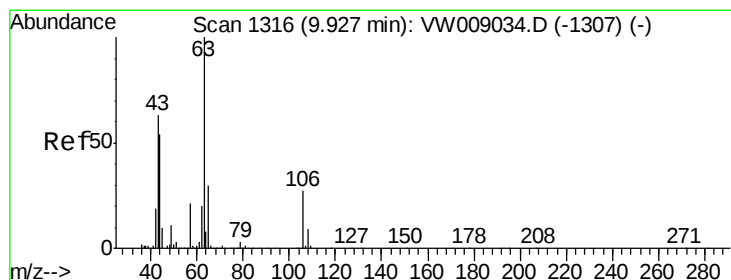
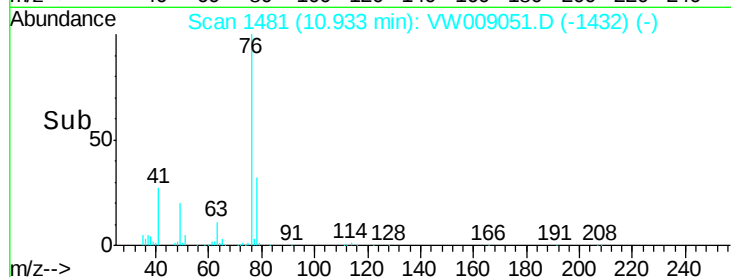
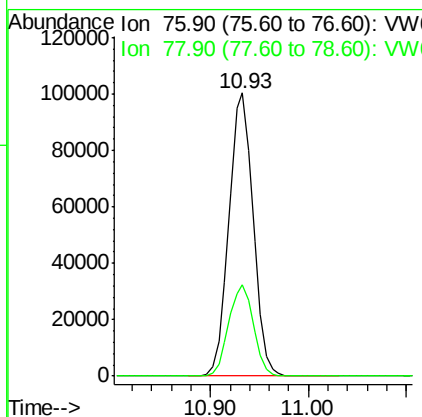
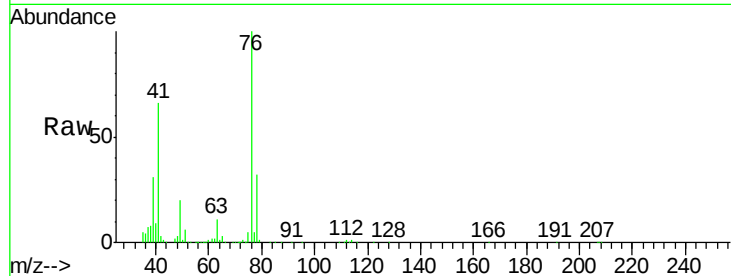




#57
 1,3-Dichloropropane
 Concen: 49.666 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

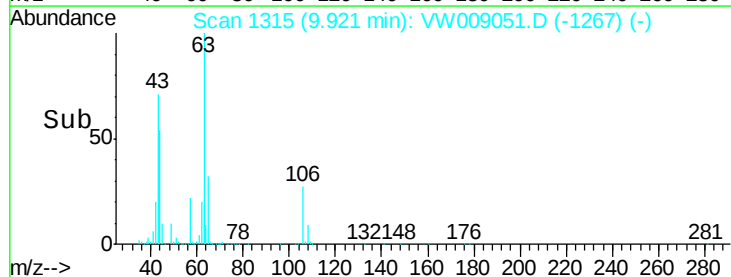
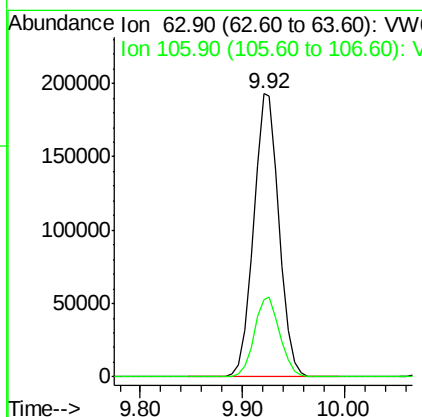
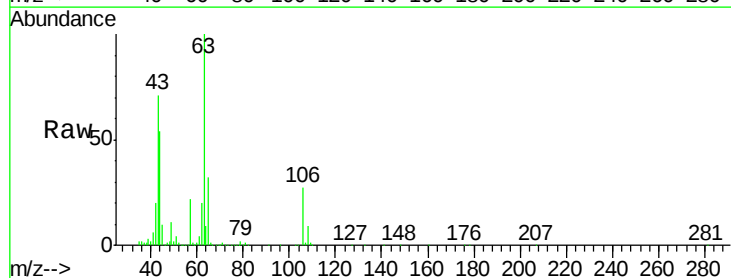
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

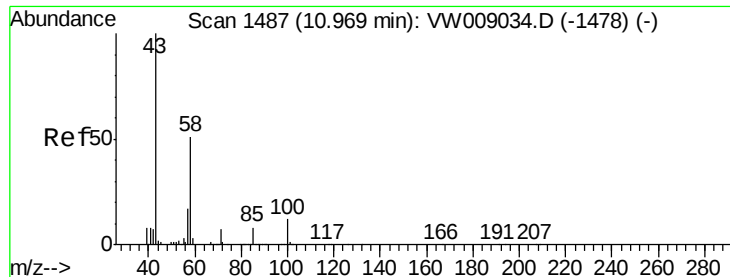
Tgt Ion: 76 Resp: 172622
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.646 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 63 Resp: 335329
 Ion Ratio Lower Upper
 63 100
 106 28.2 23.0 34.6

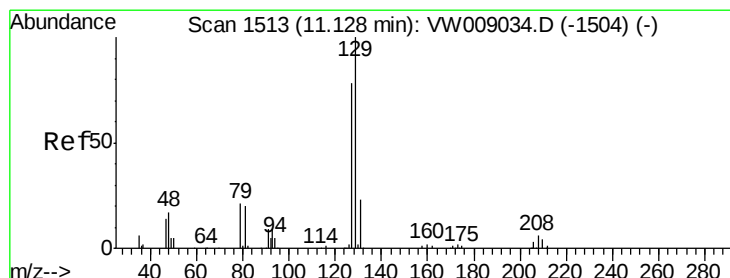
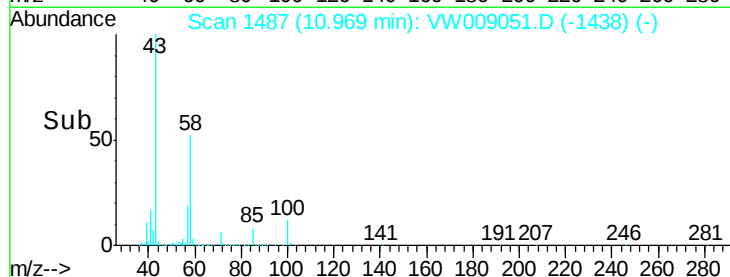
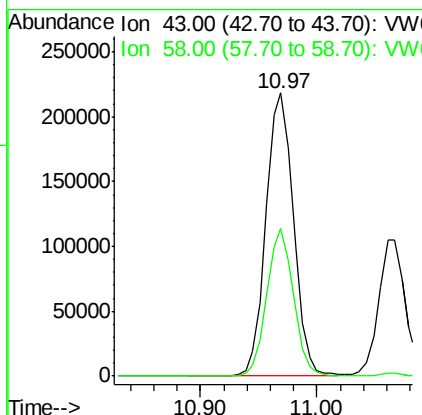
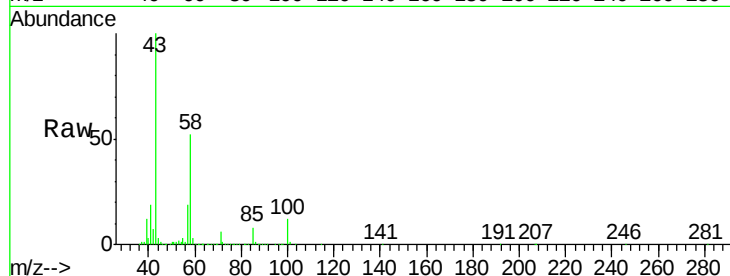




#59
2-Hexanone
Concen: 287.844 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

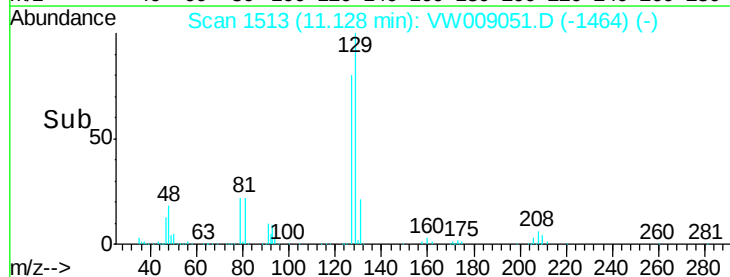
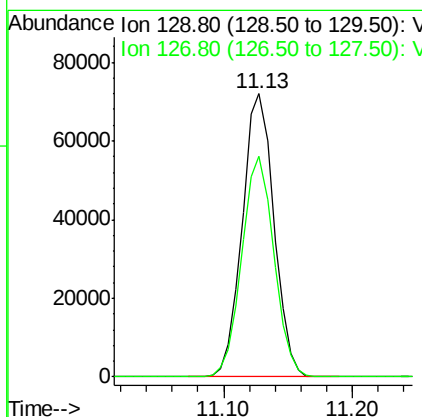
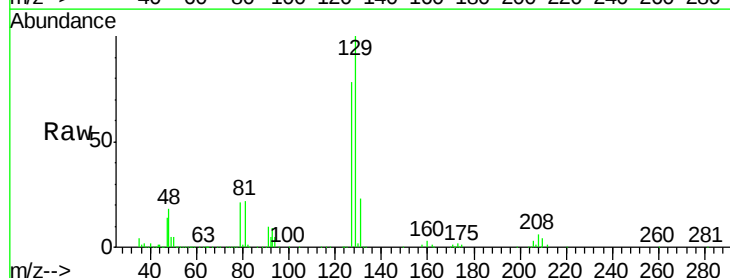
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

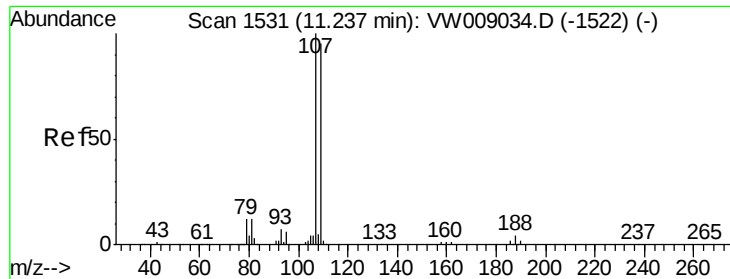
Tgt Ion: 43 Resp: 356321
Ion Ratio Lower Upper
43 100
58 50.1 25.3 75.9



#60
Dibromochloromethane
Concen: 50.317 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 129 Resp: 122172
Ion Ratio Lower Upper
129 100
127 79.0 38.4 115.1





#61

1,2-Dibromoethane

Concen: 50.011 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

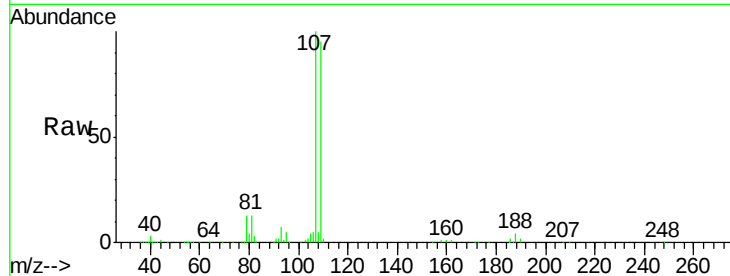
VSTDCCC050EC

Tgt Ion: 107 Resp: 96190

Ion Ratio Lower Upper

107 100

109 95.4 74.7 112.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

60000

50000

40000

30000

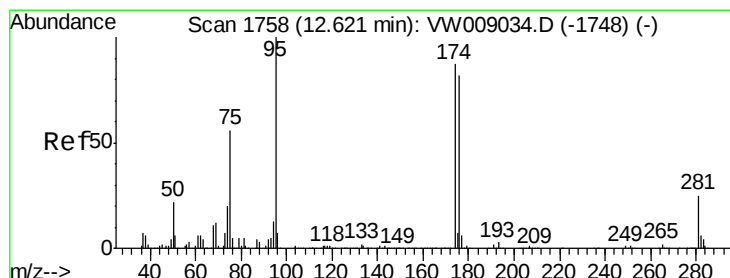
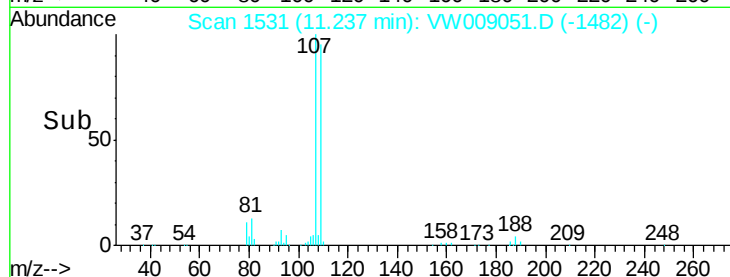
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 53.376 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

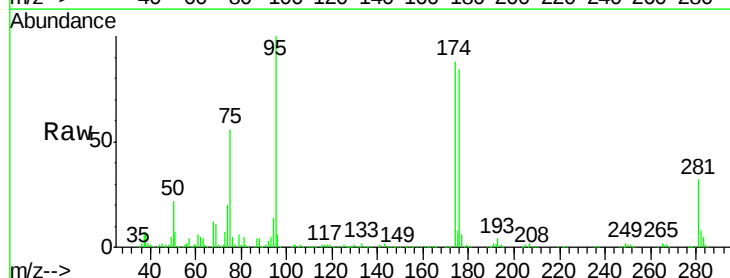
Tgt Ion: 95 Resp: 197003

Ion Ratio Lower Upper

95 100

174 85.0 0.0 167.0

176 81.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

150000

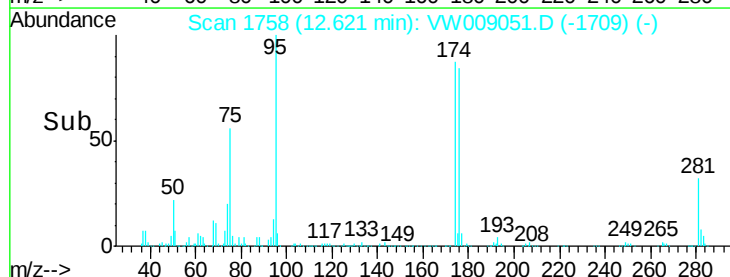
100000

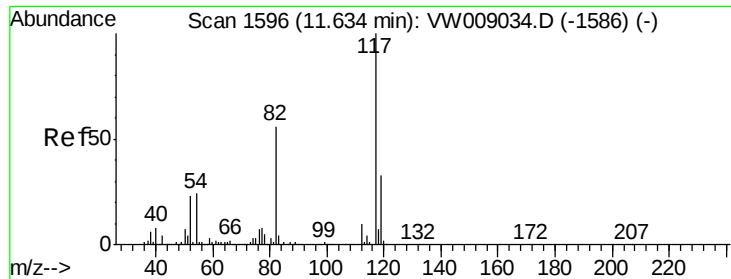
50000

0

Time-->

12.60 12.70

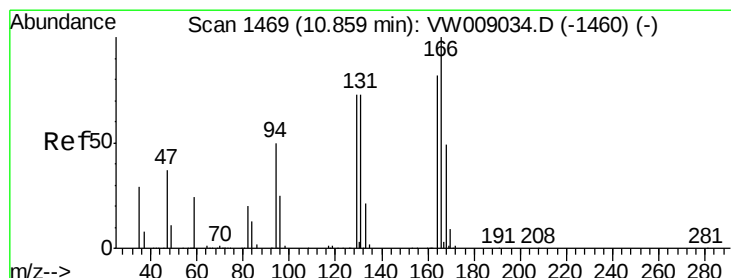
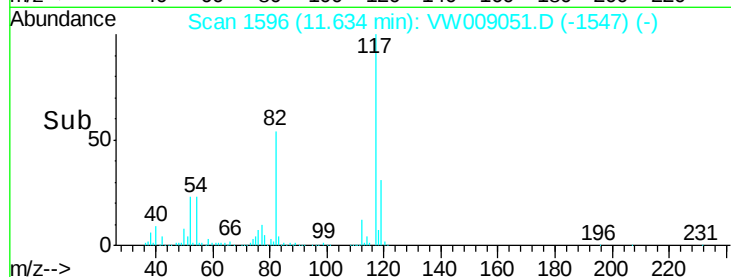
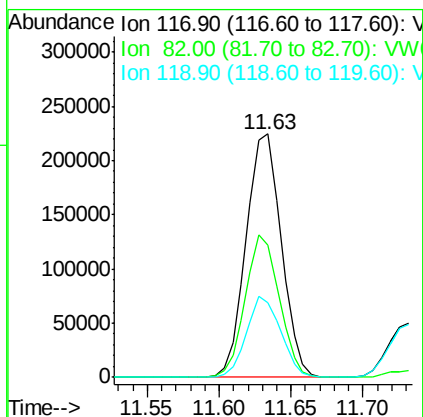
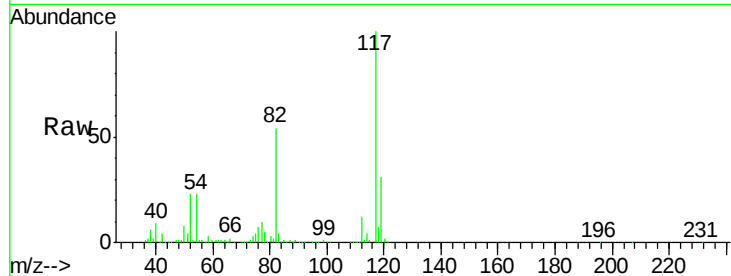




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

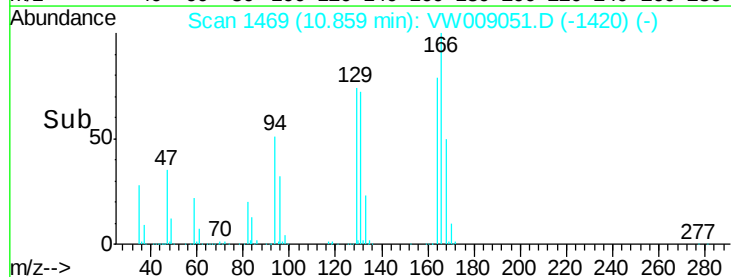
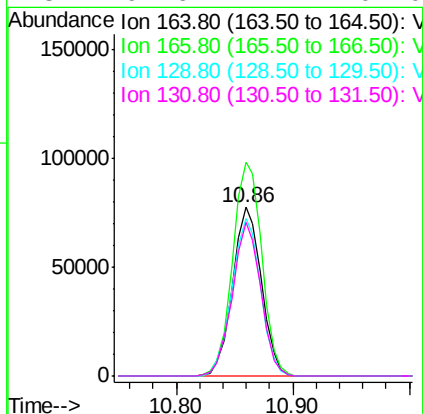
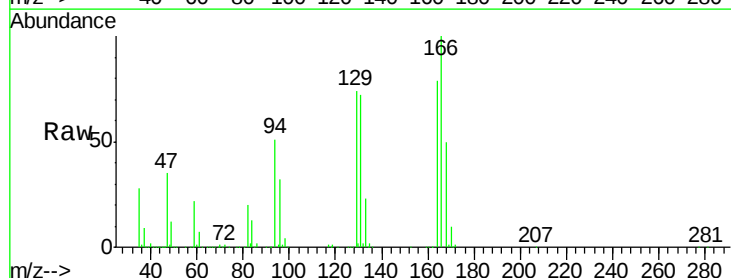
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

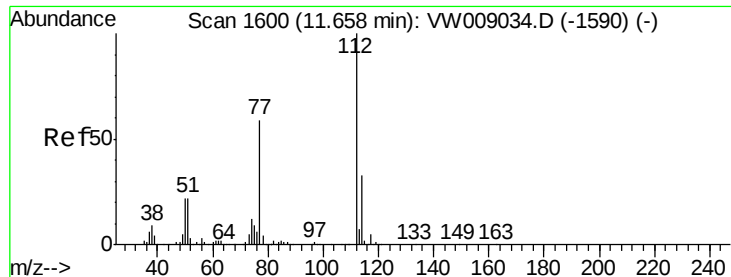
Tgt Ion:117 Resp: 379841
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.6
119 30.9 26.6 39.8



#64
Tetrachloroethene
Concen: 48.798 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion:164 Resp: 133670
Ion Ratio Lower Upper
164 100
166 126.8 97.8 146.6
129 93.3 71.6 107.4
131 91.6 71.4 107.0

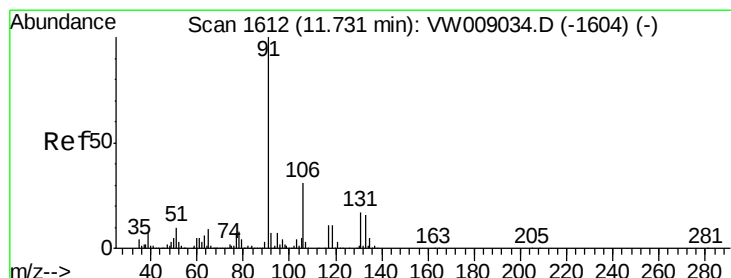
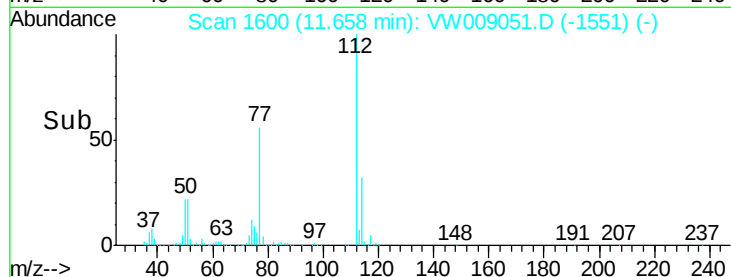
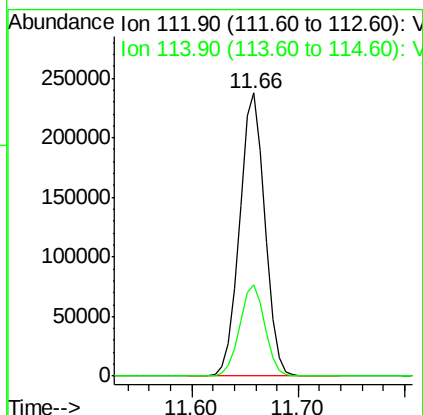
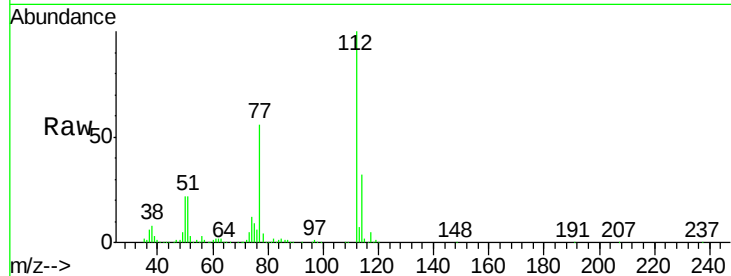




#65
Chlorobenzene
Concen: 47.815 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

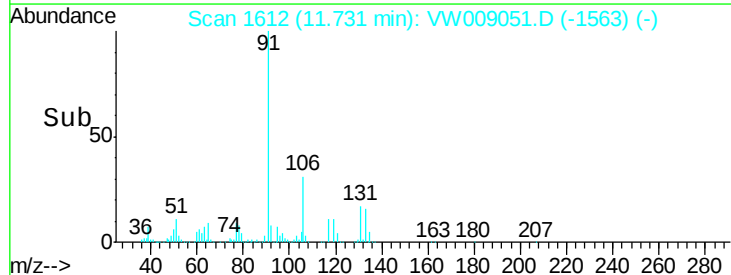
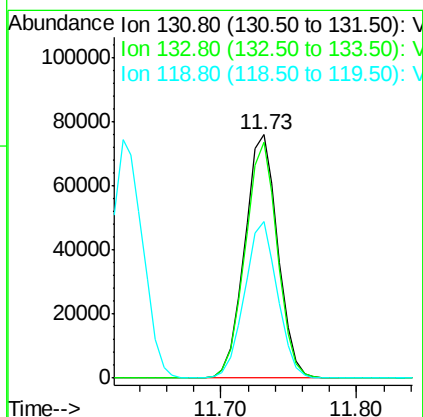
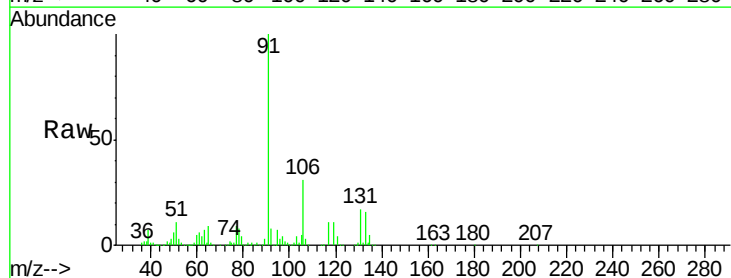
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

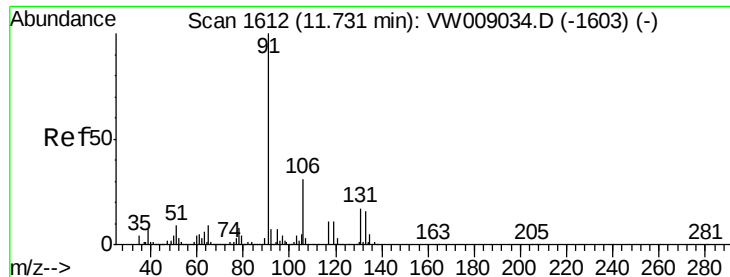
Tgt Ion:112 Resp: 395321
Ion Ratio Lower Upper
112 100
114 32.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.877 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion:131 Resp: 129407
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.8
119 63.7 31.3 93.8

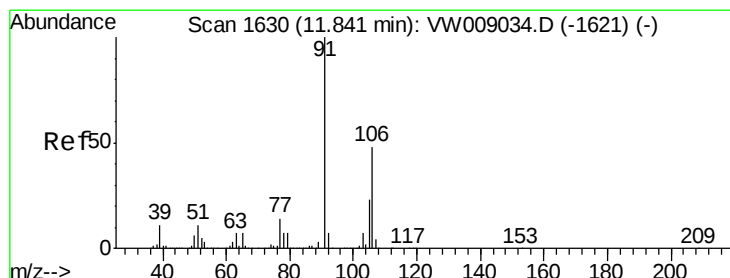
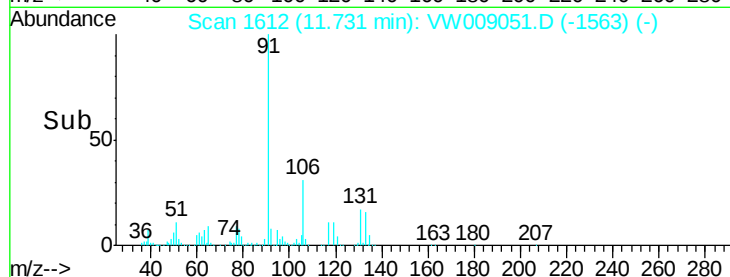
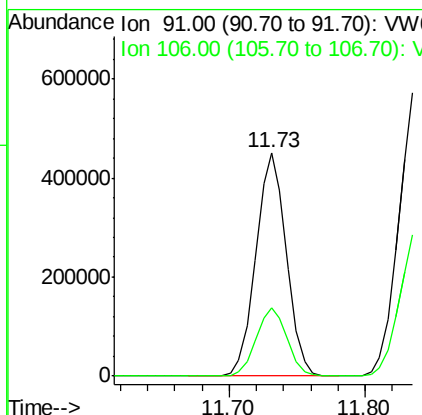
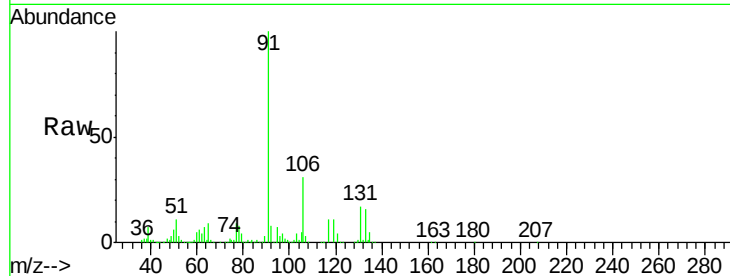




#67
Ethyl Benzene
Concen: 47.471 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

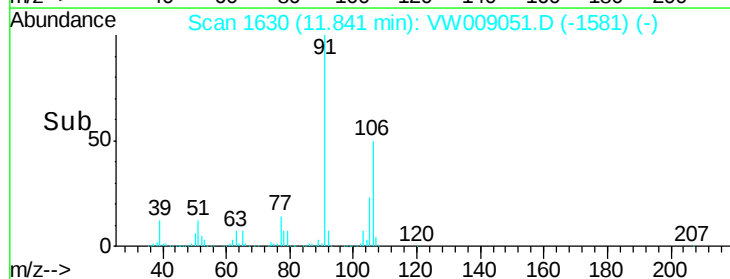
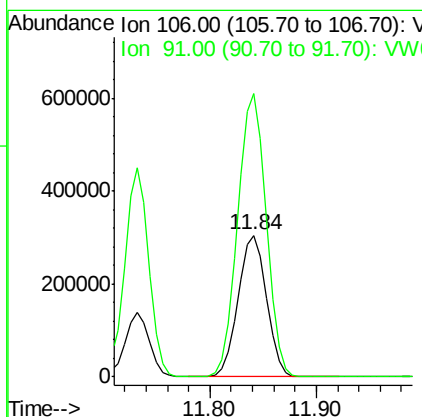
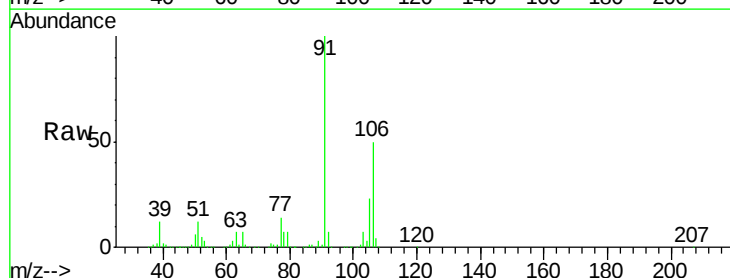
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

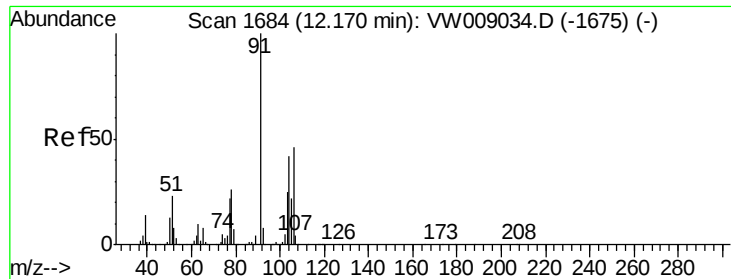
Tgt Ion: 91 Resp: 709025
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 96.891 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion: 106 Resp: 571220
Ion Ratio Lower Upper
106 100
91 201.4 163.2 244.8

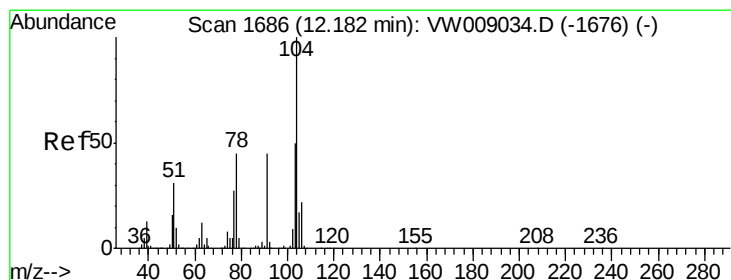
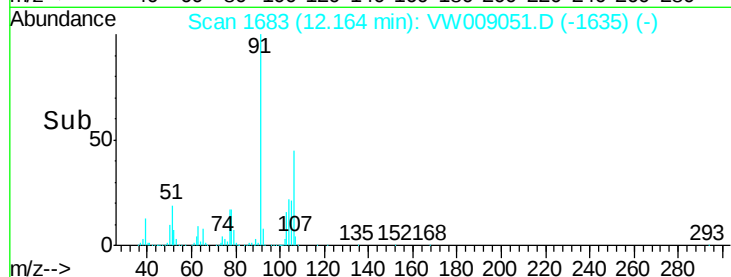
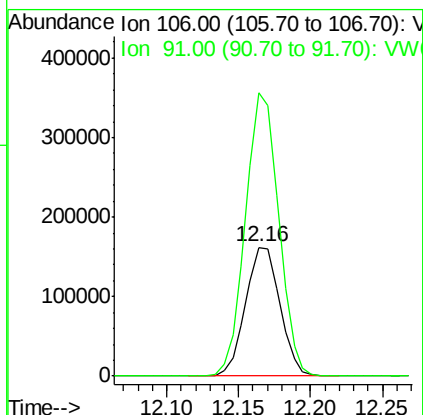
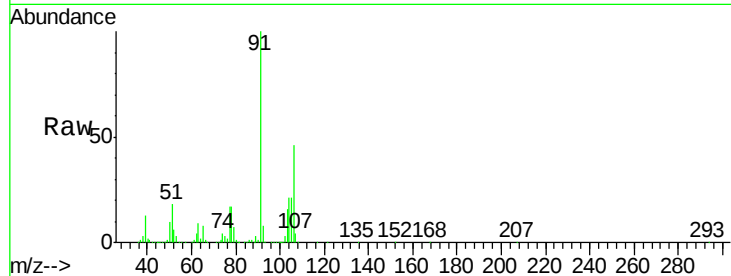




#69
o-Xylene
Concen: 48.761 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

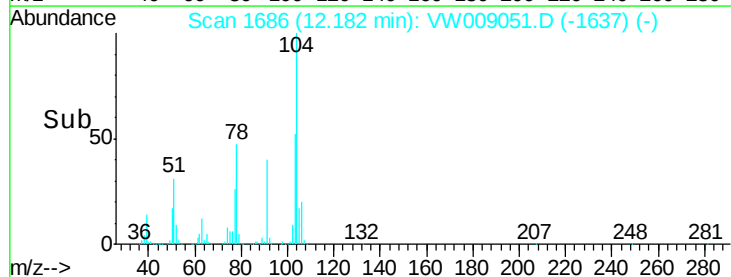
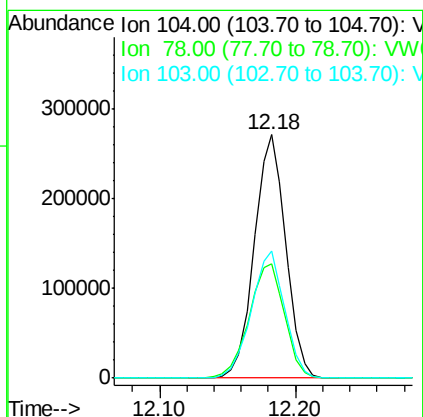
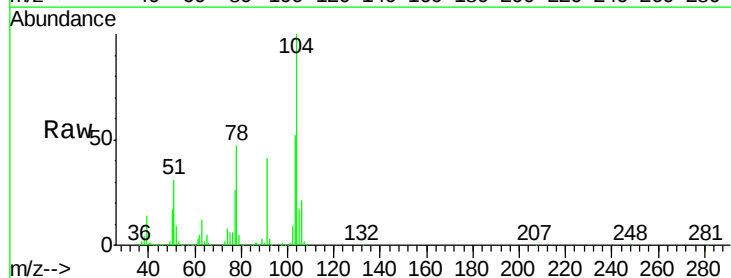
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

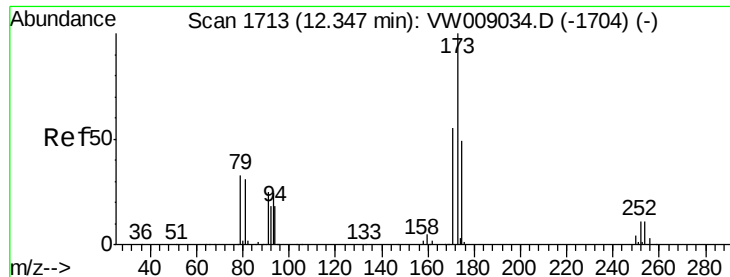
Tgt Ion:106 Resp: 267476
Ion Ratio Lower Upper
106 100
91 213.3 108.6 325.6



#70
Styrene
Concen: 49.522 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion:104 Resp: 439514
Ion Ratio Lower Upper
104 100
78 52.7 42.1 63.1
103 55.5 43.9 65.9





#71

Bromoform

Concen: 50.378 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

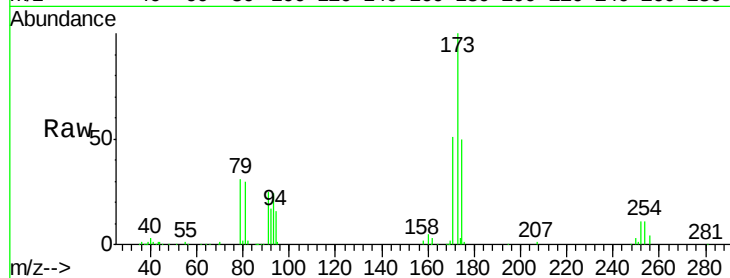
Tgt Ion:173 Resp: 74673

Ion Ratio Lower Upper

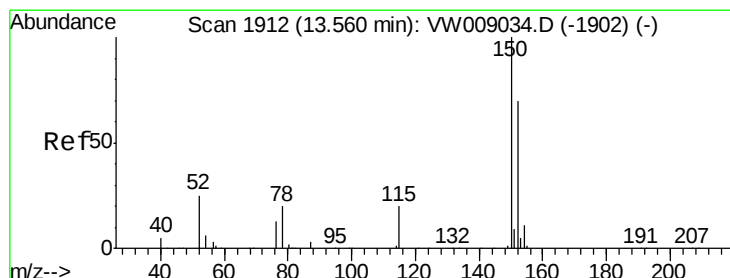
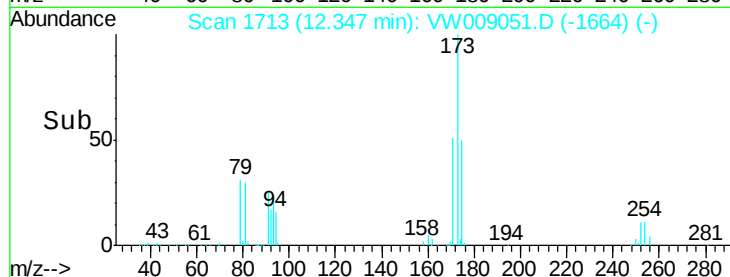
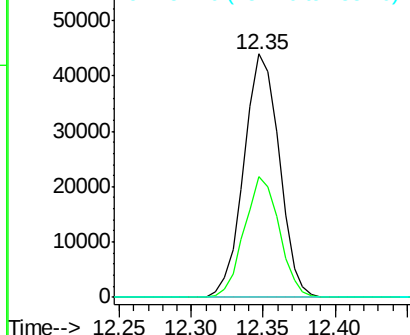
173 100

175 49.0 24.6 74.0

254 0.0 0.0 0.0#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

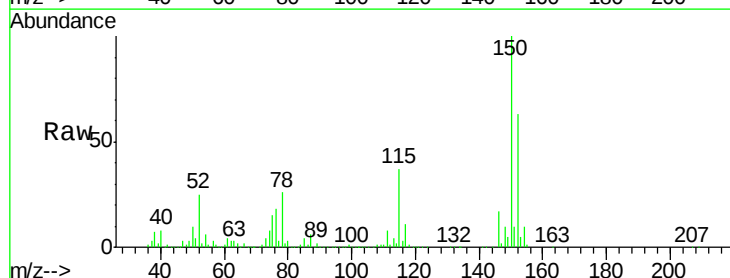
Tgt Ion:152 Resp: 213281

Ion Ratio Lower Upper

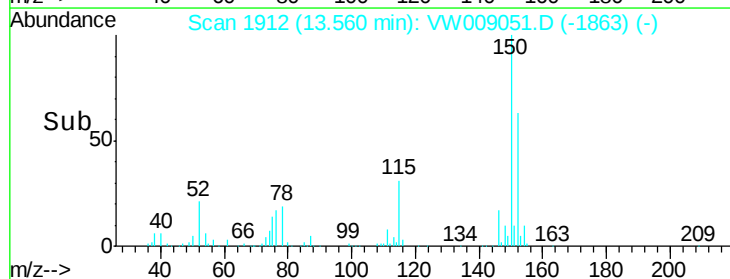
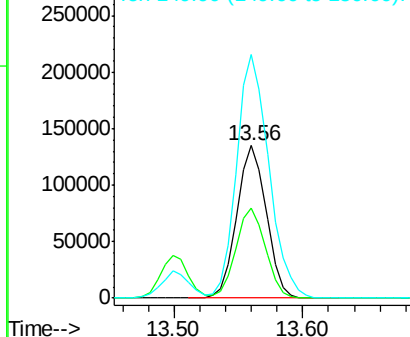
152 100

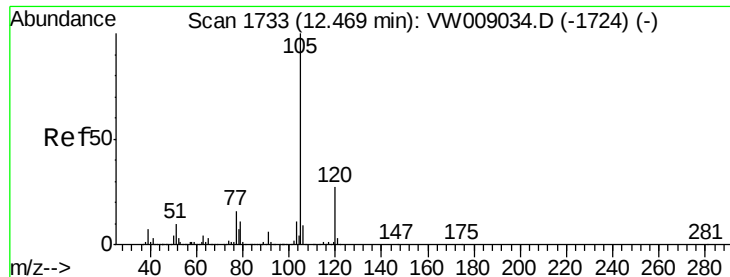
115 59.1 28.9 86.7

150 175.3 0.0 349.2



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





#73

Isopropylbenzene

Concen: 47.701 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

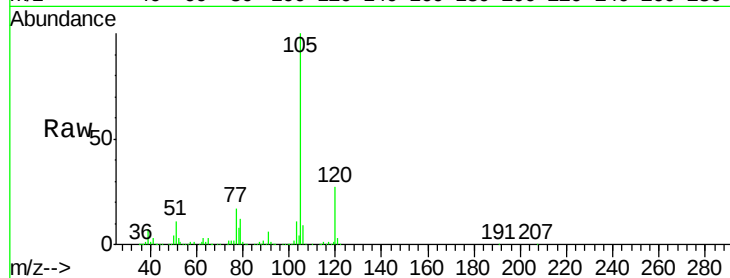
VSTDCCC050EC

Tgt Ion: 105 Resp: 728553

Ion Ratio Lower Upper

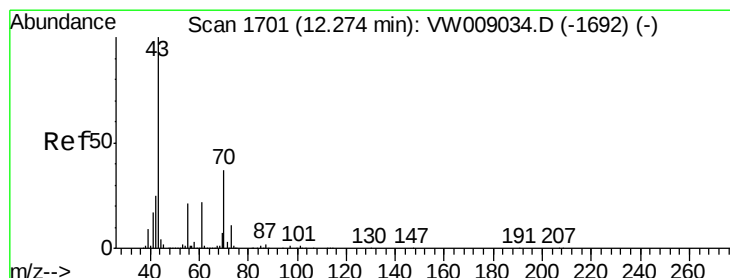
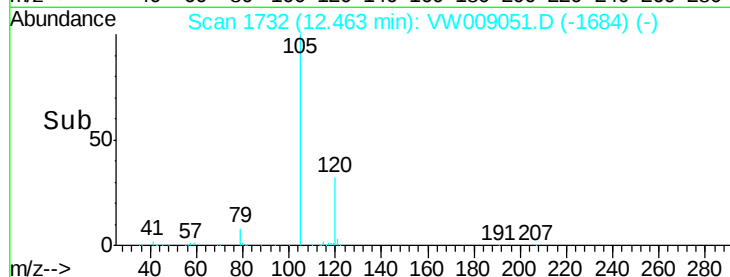
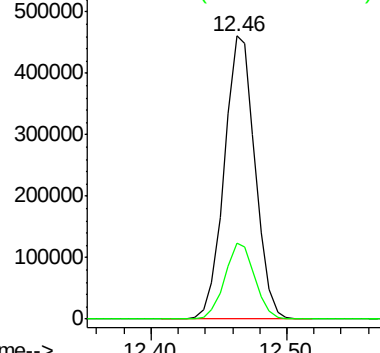
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.285 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Tgt Ion: 43 Resp: 199893

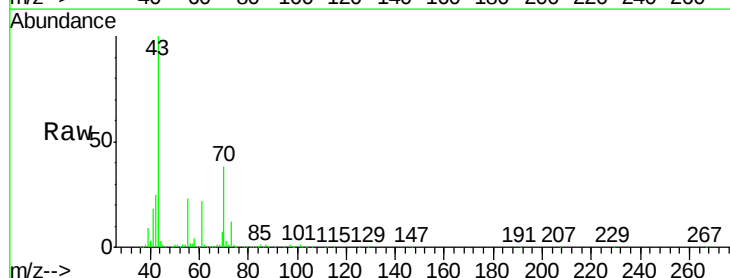
Ion Ratio Lower Upper

43 100

70 39.0 30.8 46.2

55 24.0 17.8 26.8

61 21.4 17.4 26.2

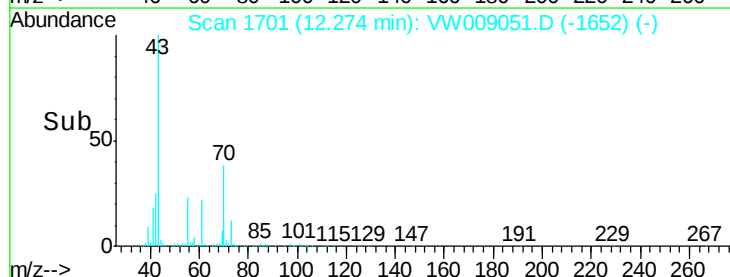
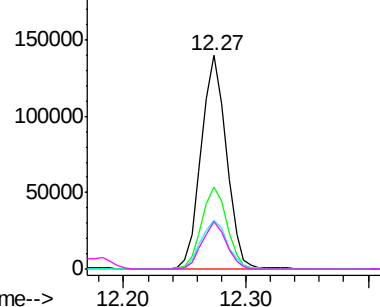


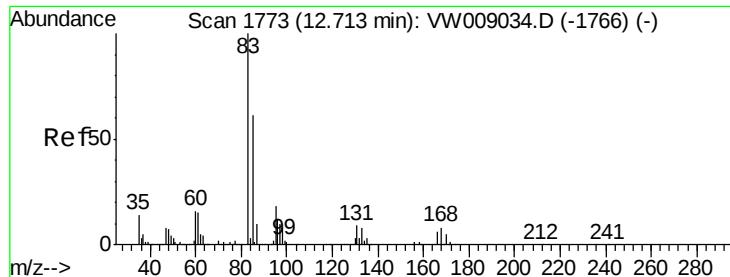
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 50.839 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

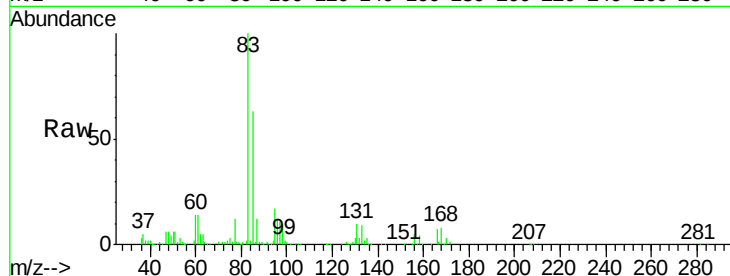
Tgt Ion: 83 Resp: 122483

Ion Ratio Lower Upper

83 100

131 10.7 5.5 16.7

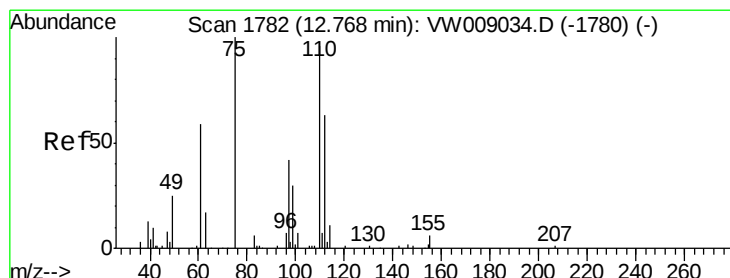
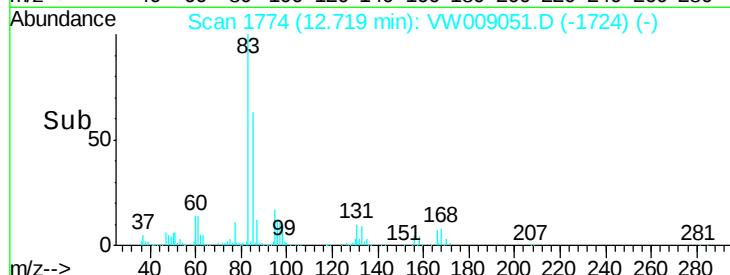
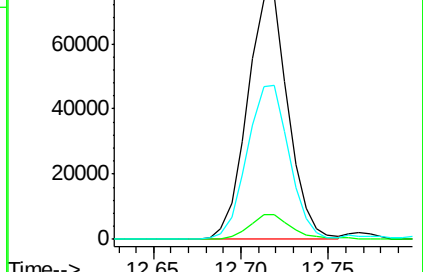
85 64.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 102.302 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009051.D

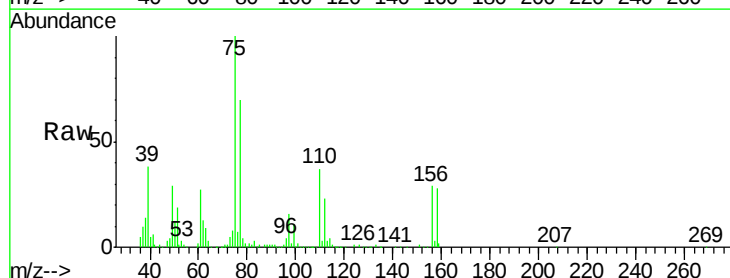
Acq: 07 Mar 2019 20:50

Tgt Ion: 75 Resp: 172388

Ion Ratio Lower Upper

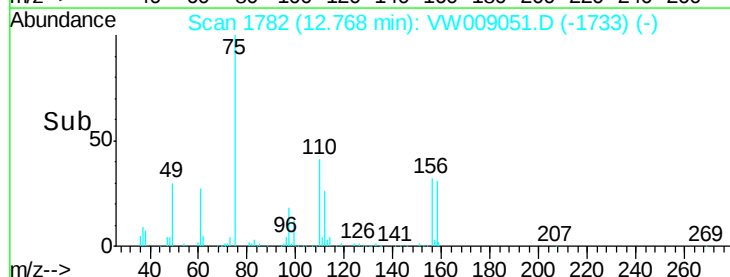
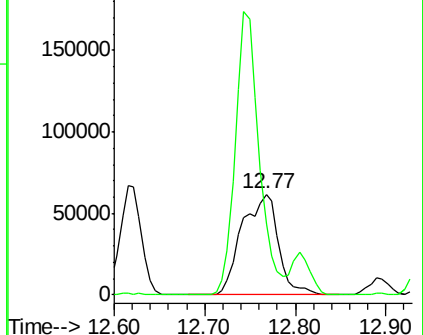
75 100

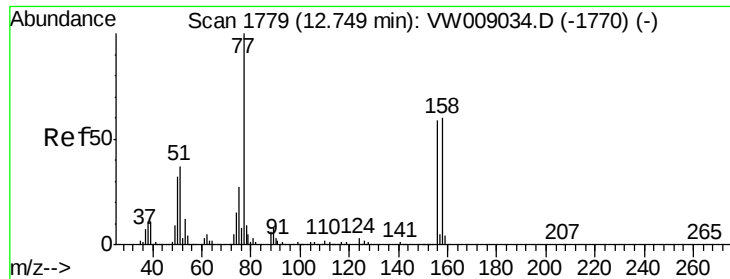
77 0.0 186.7 560.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.977 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

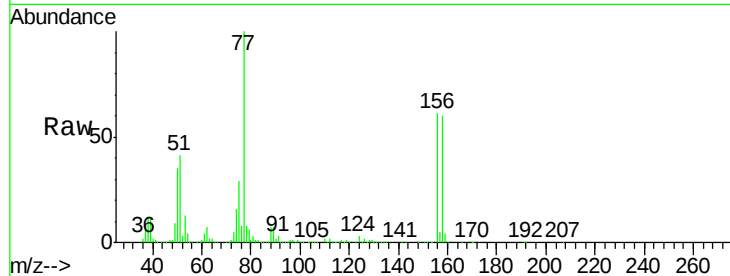
Tgt Ion:156 Resp: 170920

Ion Ratio Lower Upper

156 100

77 185.7 93.0 279.2

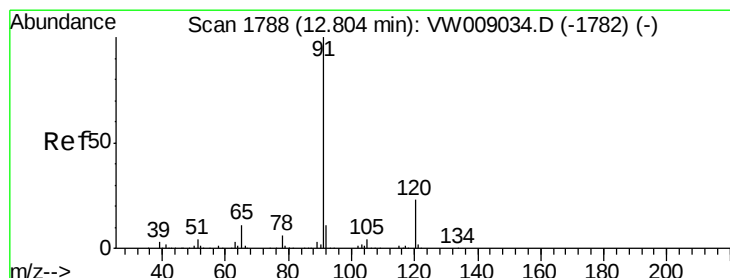
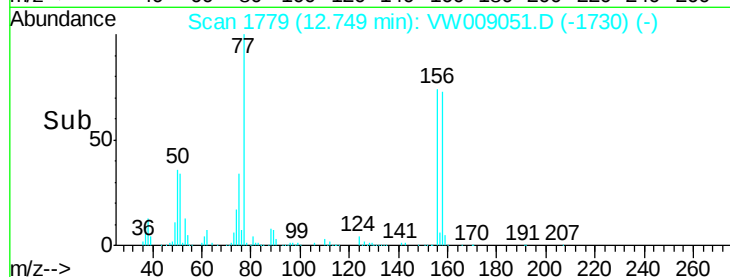
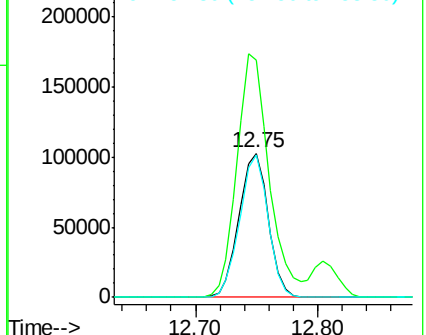
158 96.0 50.0 149.8



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: 47.933 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009051.D

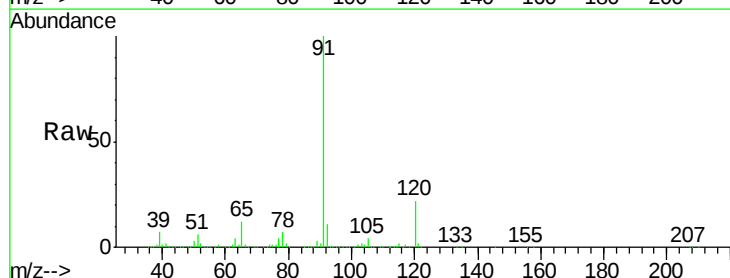
Acq: 07 Mar 2019 20:50

Tgt Ion: 91 Resp: 901752

Ion Ratio Lower Upper

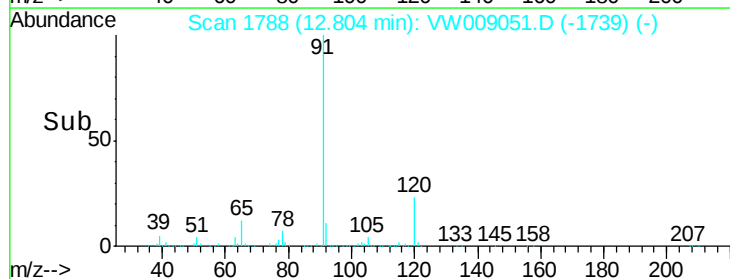
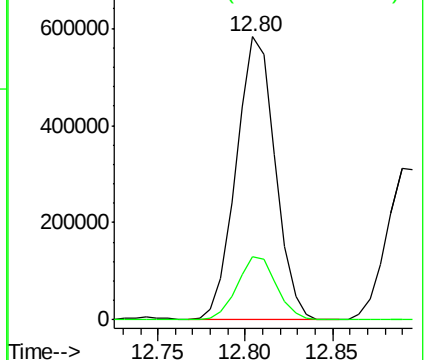
91 100

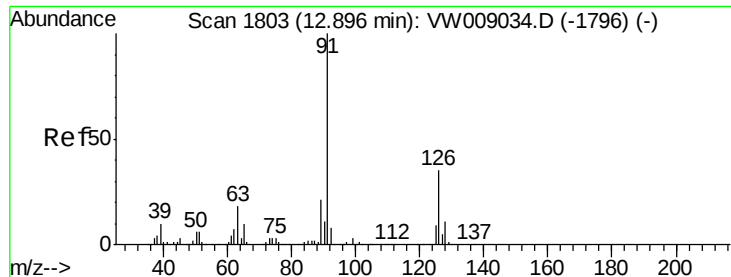
120 22.5 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.767 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

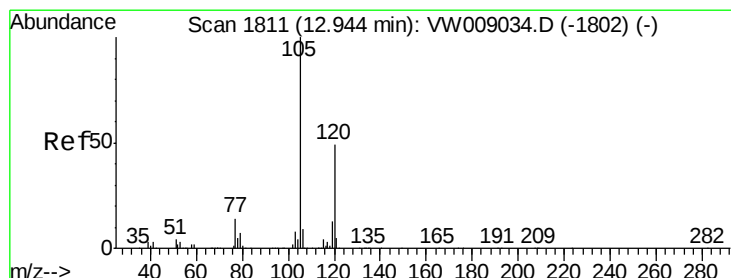
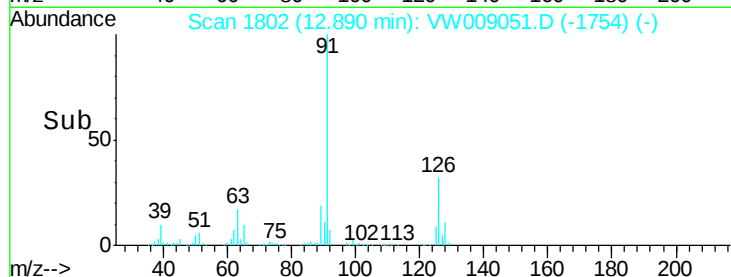
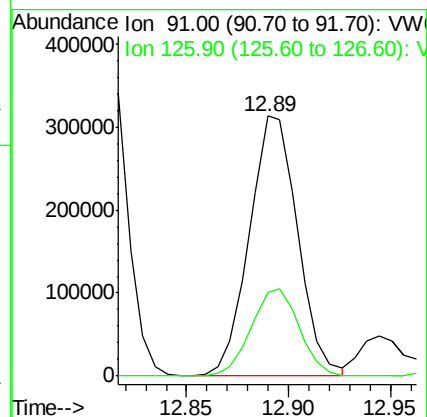
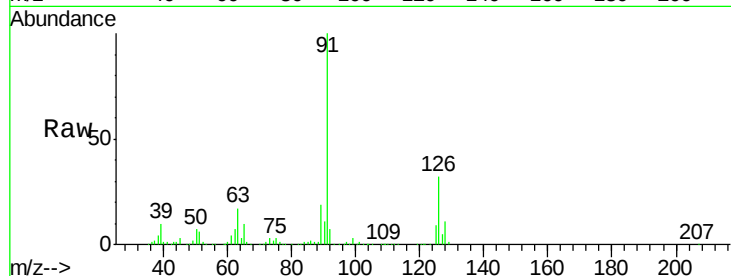
VSTDCCC050EC

Tgt Ion: 91 Resp: 515465

Ion Ratio Lower Upper

91 100

126 33.3 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 48.052 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009051.D

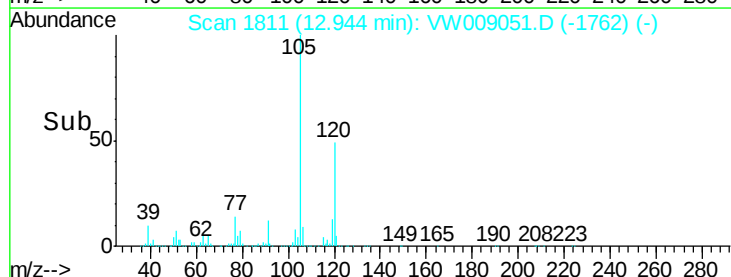
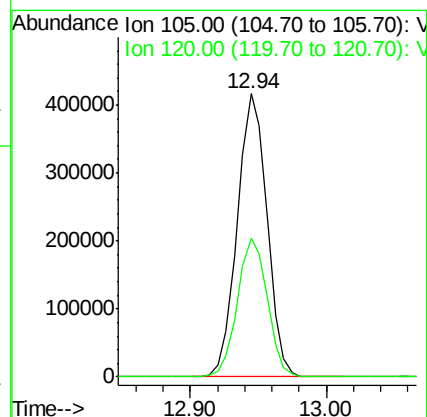
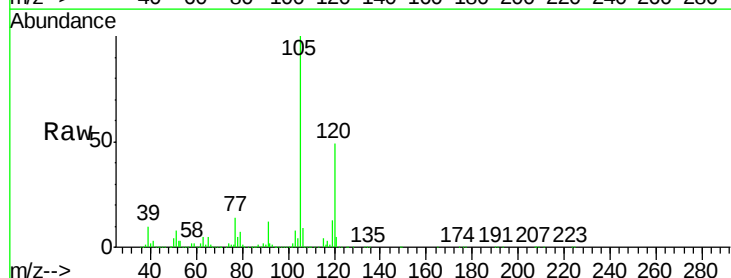
Acq: 07 Mar 2019 20:50

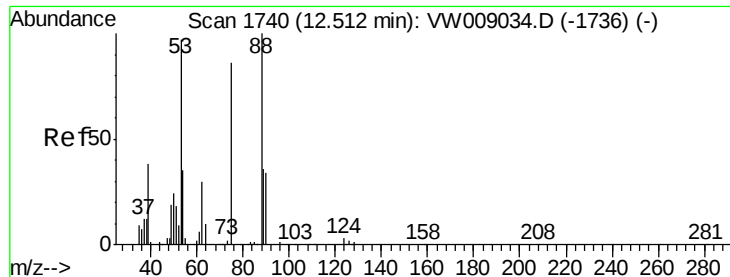
Tgt Ion: 105 Resp: 632619

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 50.133 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

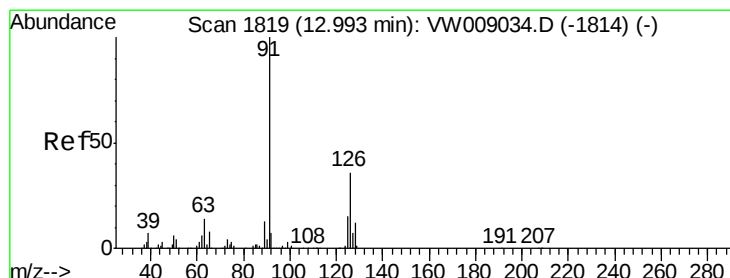
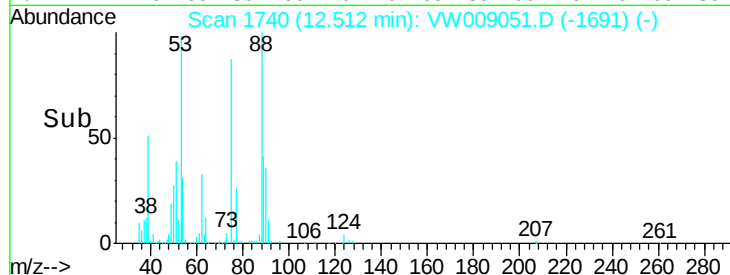
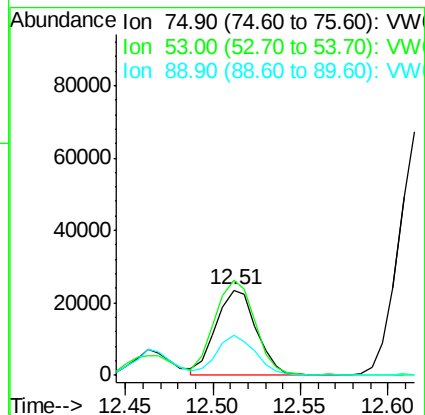
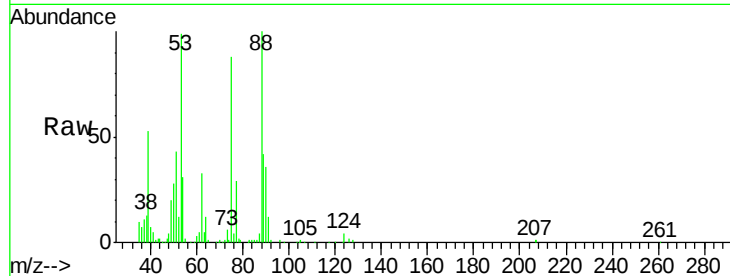
Tgt Ion: 75 Resp: 37769

Ion Ratio Lower Upper

75 100

53 111.2 90.5 135.7

89 45.8 37.5 56.3



#82

4-Chlorotoluene

Concen: 48.003 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW009051.D

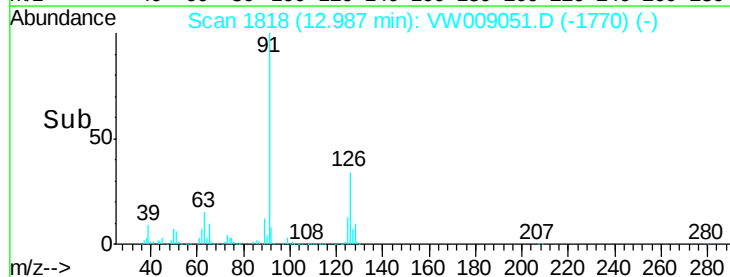
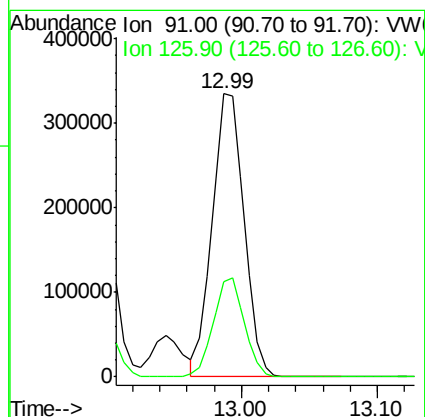
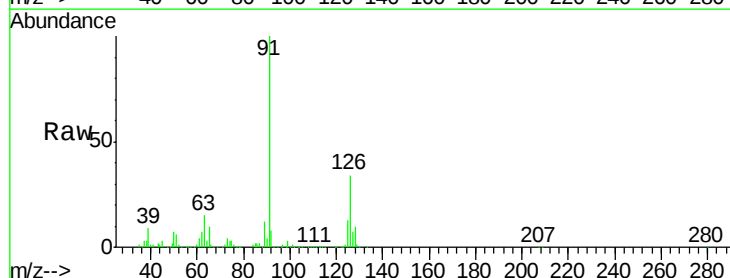
Acq: 07 Mar 2019 20:50

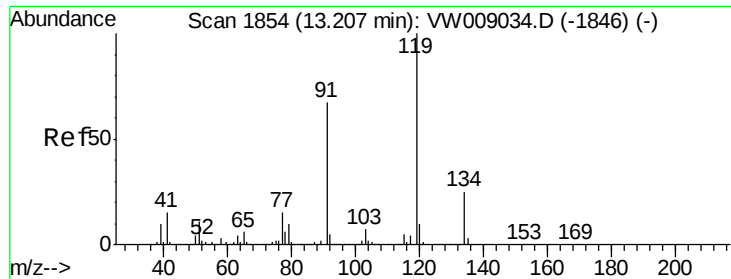
Tgt Ion: 91 Resp: 540862

Ion Ratio Lower Upper

91 100

126 34.2 16.6 49.8

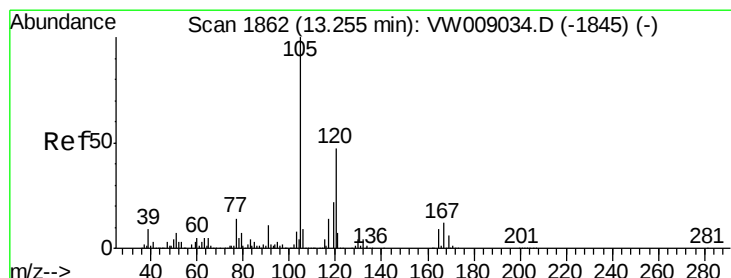
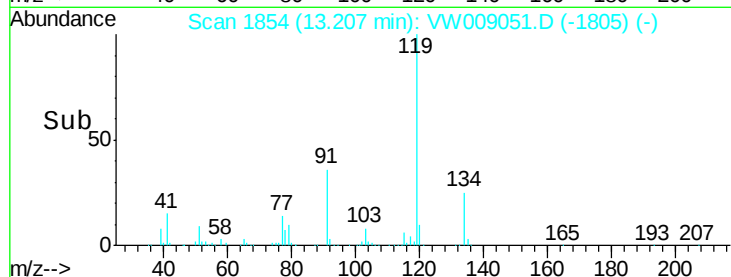
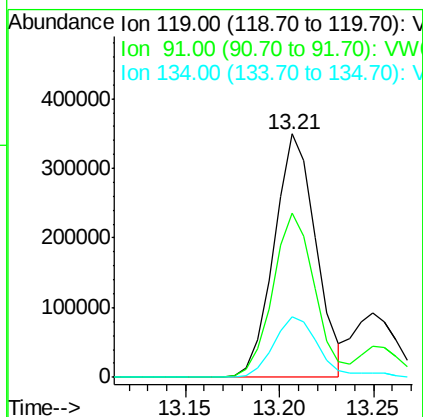
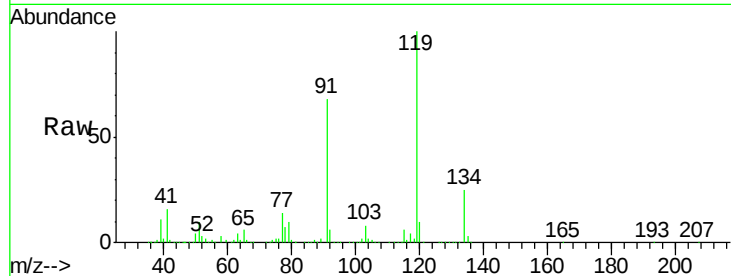




#83
 tert-Butylbenzene
 Concen: 48.395 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

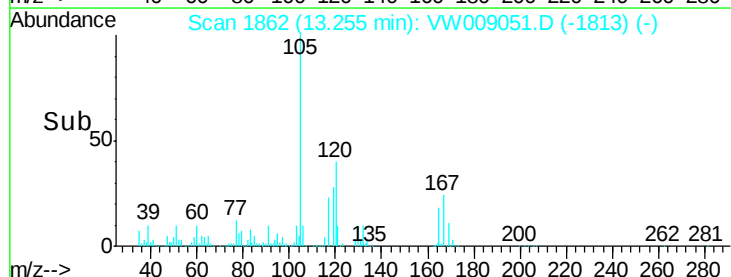
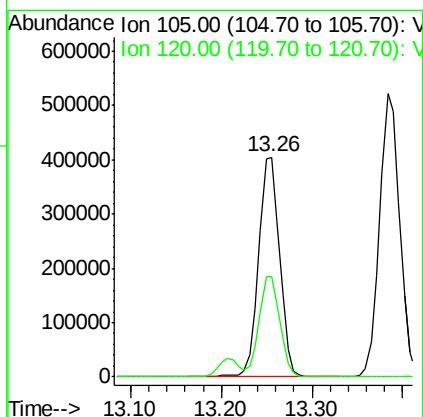
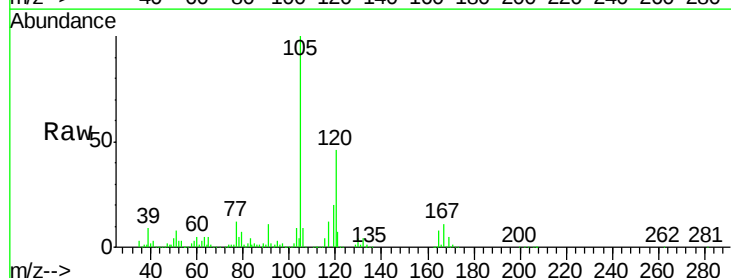
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

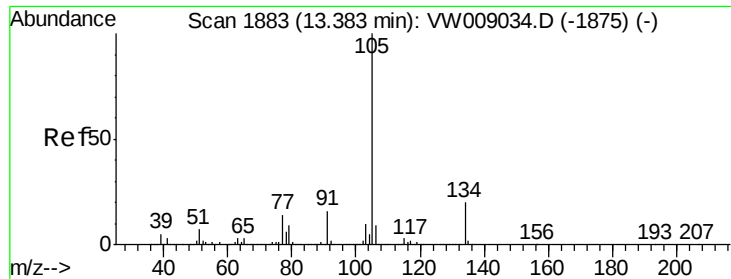
Tgt Ion:119 Resp: 537357
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.2 102.5
 134 27.6 13.9 41.6



#84
 1,2,4-Trimethylbenzene
 Concen: 48.697 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion:105 Resp: 648540
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4

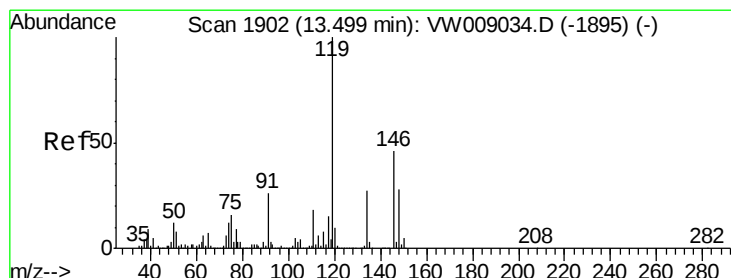
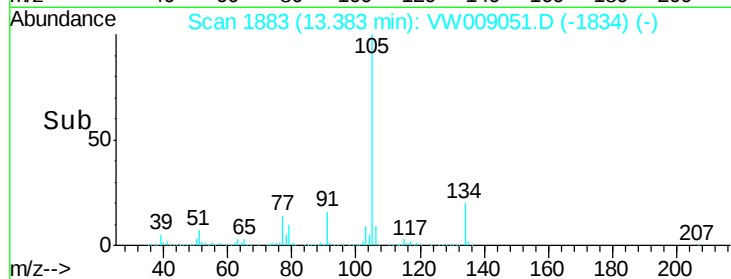
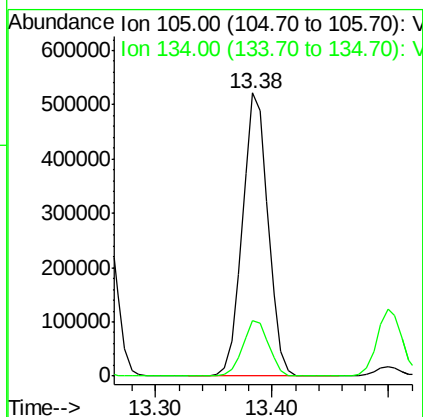
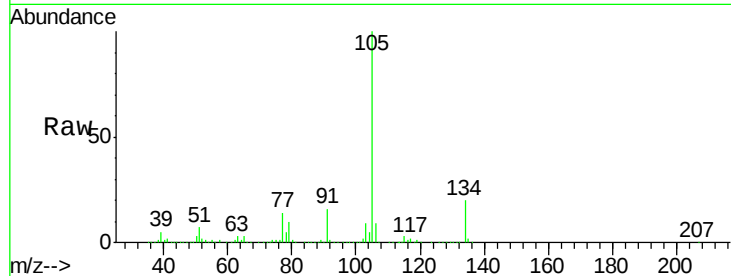




#85
 sec-Butylbenzene
 Concen: 48.542 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

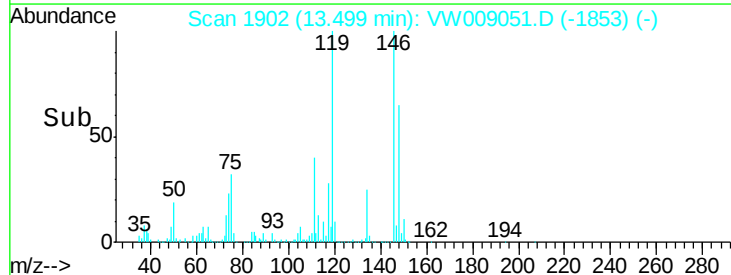
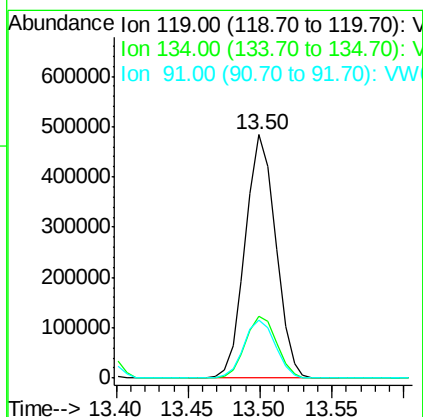
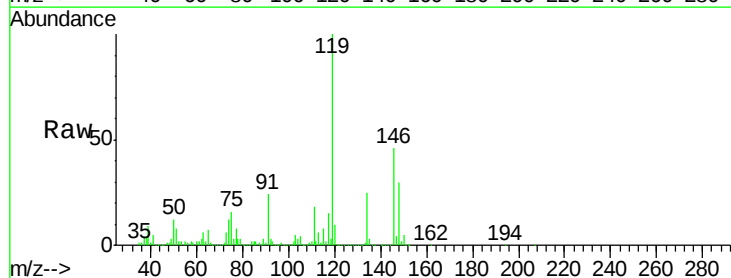
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

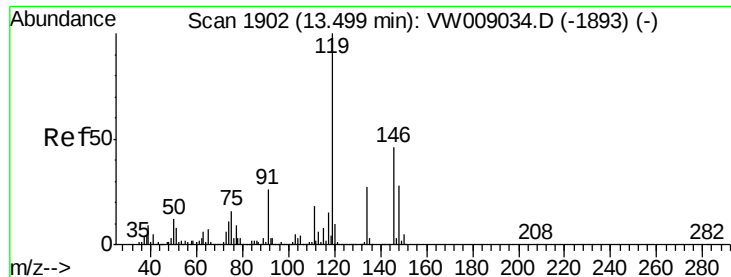
Tgt Ion:105 Resp: 798569
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 48.140 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion:119 Resp: 708466
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 48.367 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

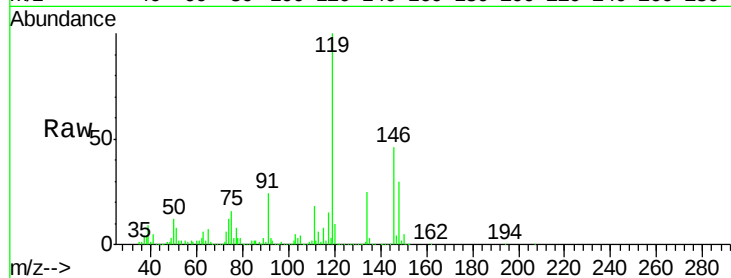
Tgt Ion:146 Resp: 354723

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

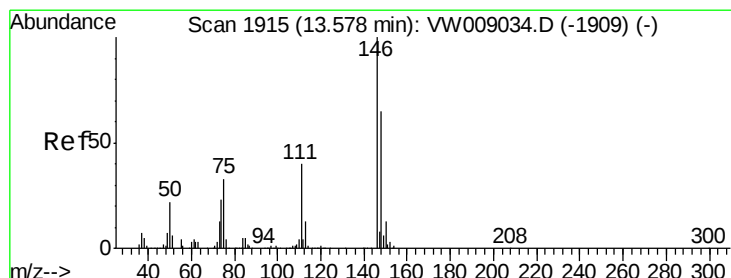
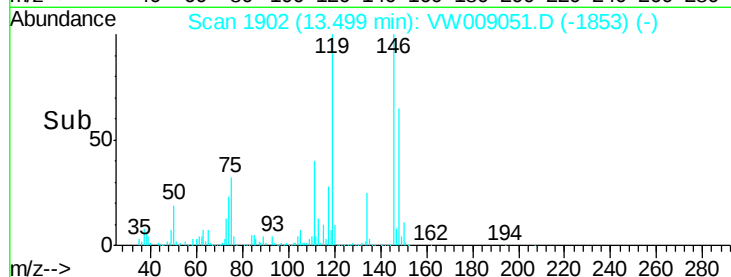
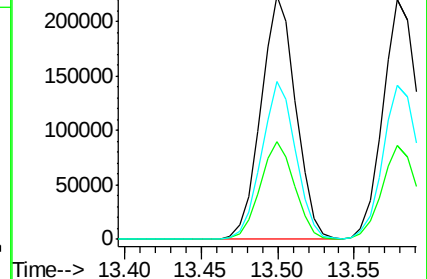
148 63.9 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.253 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

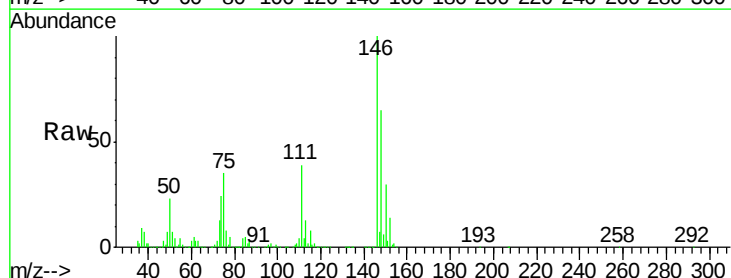
Tgt Ion:146 Resp: 349728

Ion Ratio Lower Upper

146 100

111 39.1 19.7 59.0

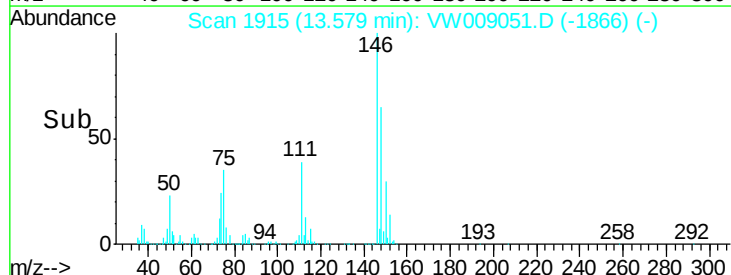
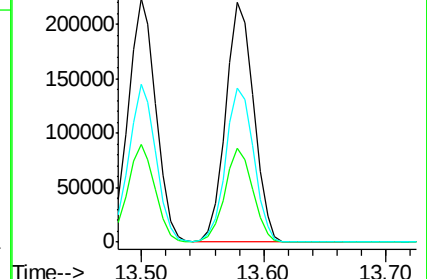
148 64.6 32.2 96.6

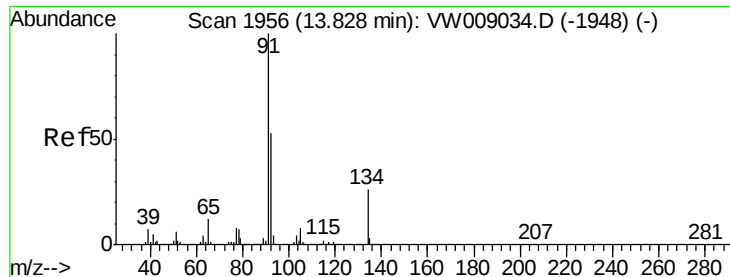


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.150 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

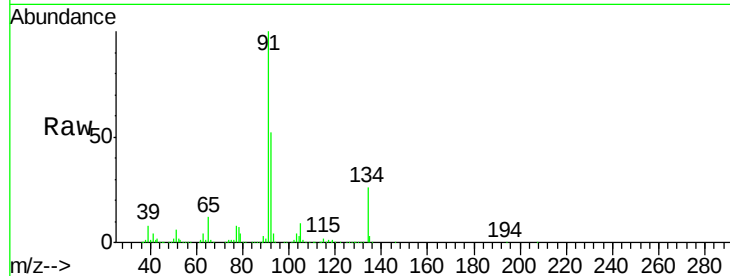
Tgt Ion: 91 Resp: 673645

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.3

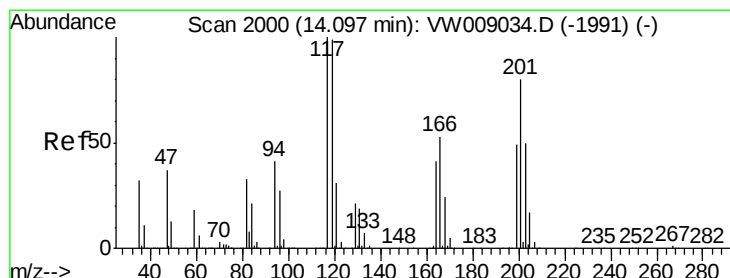
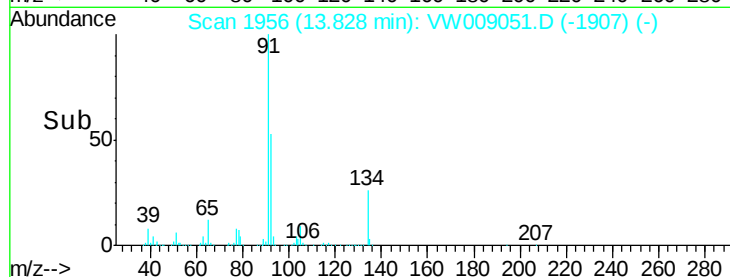
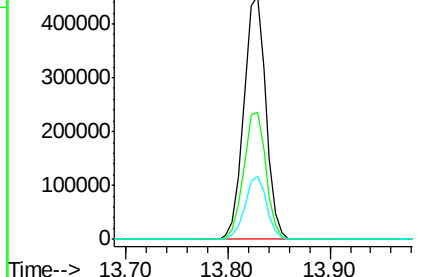
134 25.5 12.9 38.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 48.893 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009051.D

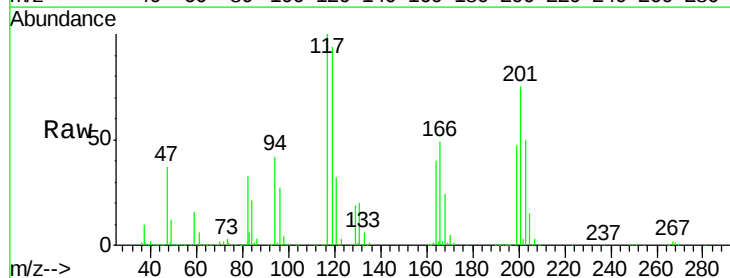
Acq: 07 Mar 2019 20:50

Tgt Ion: 117 Resp: 124099

Ion Ratio Lower Upper

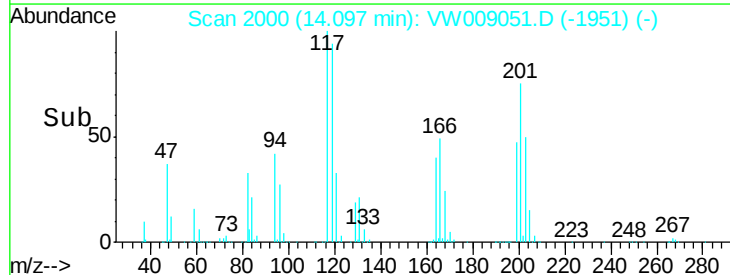
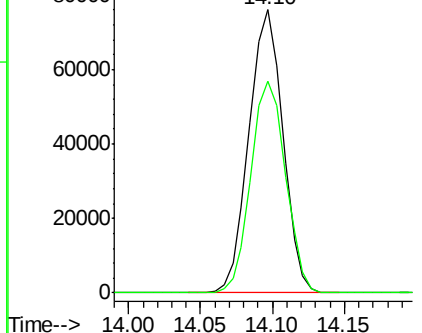
117 100

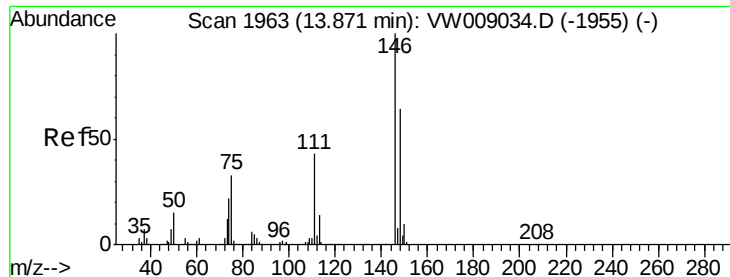
201 76.4 39.1 117.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

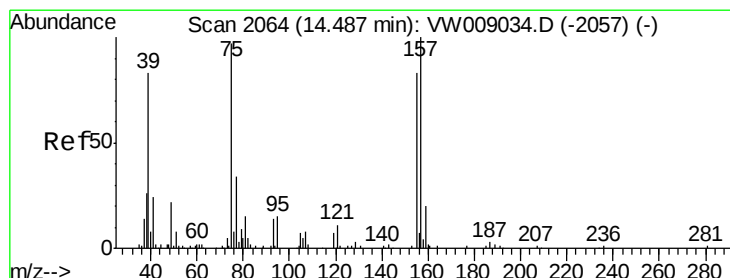
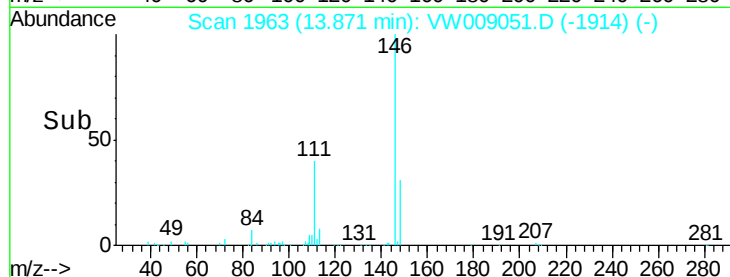
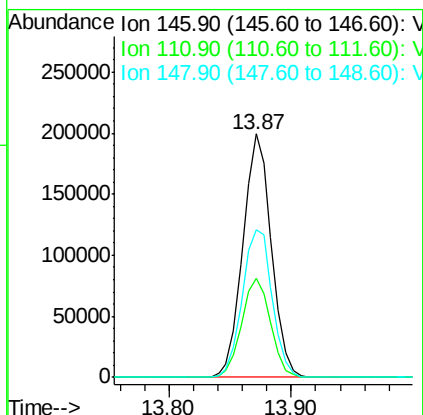
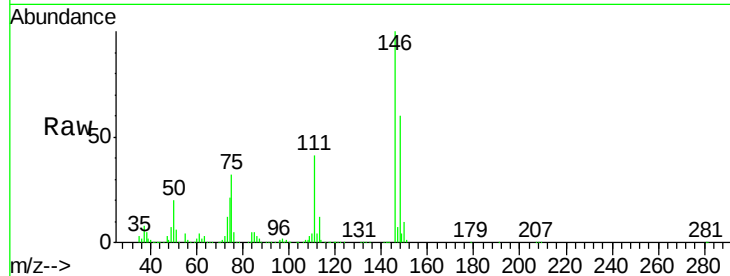




#91
 1,2-Dichlorobenzene
 Concen: 49.569 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

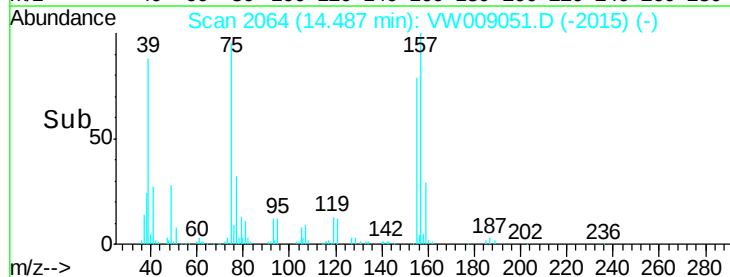
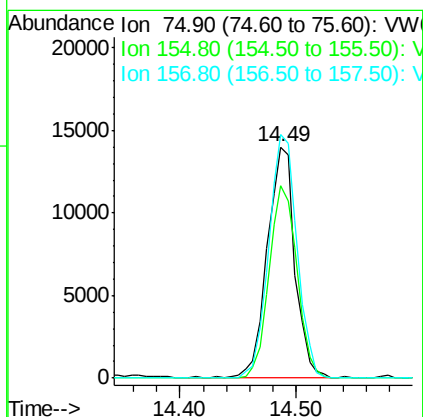
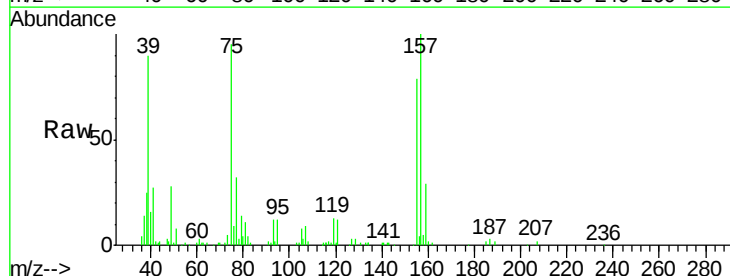
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

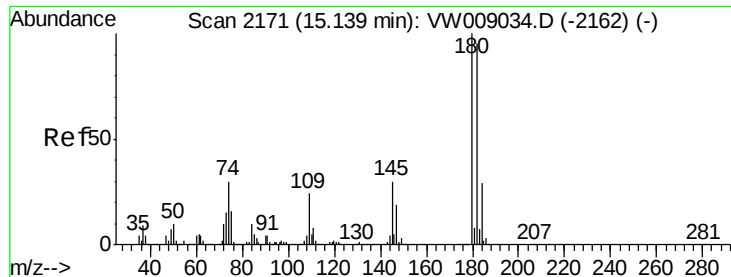
Tgt Ion:146 Resp: 320744
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.1
 148 63.8 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.020 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009051.D
 Acq: 07 Mar 2019 20:50

Tgt Ion: 75 Resp: 23180
 Ion Ratio Lower Upper
 75 100
 155 83.2 40.8 122.4
 157 107.3 52.4 157.3





#93

1,2,4-Trichlorobenzene

Concen: 50.225 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

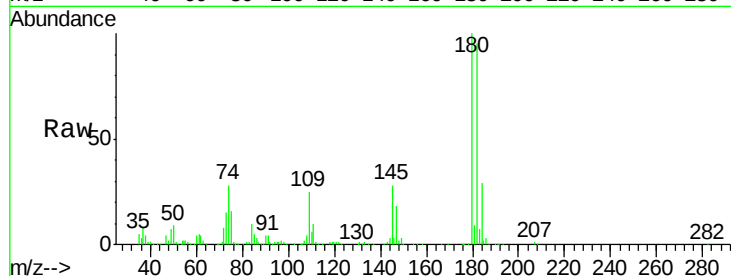
Tgt Ion:180 Resp: 219483

Ion Ratio Lower Upper

180 100

182 96.1 48.1 144.3

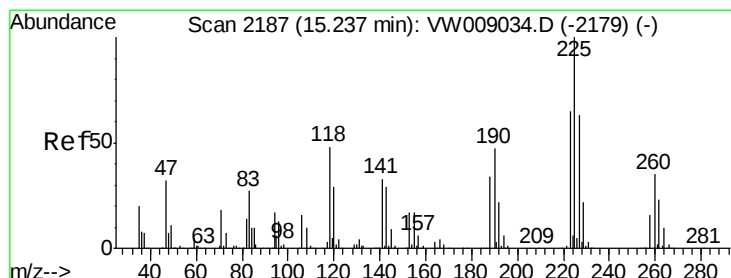
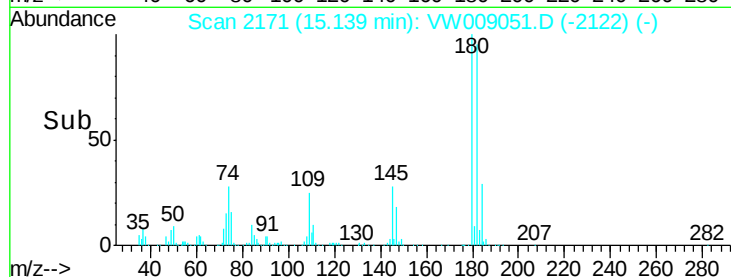
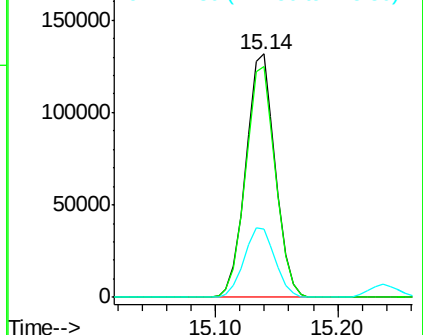
145 30.1 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 47.851 ug/l

RT: 15.24 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VW009051.D

Acq: 07 Mar 2019 20:50

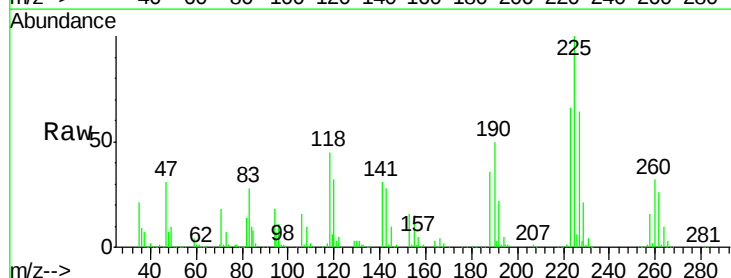
Tgt Ion:225 Resp: 130976

Ion Ratio Lower Upper

225 100

223 63.6 31.6 94.8

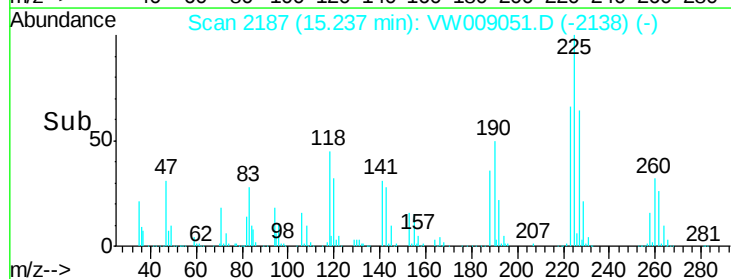
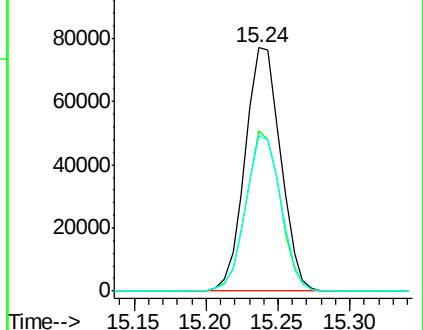
227 63.8 32.0 96.2

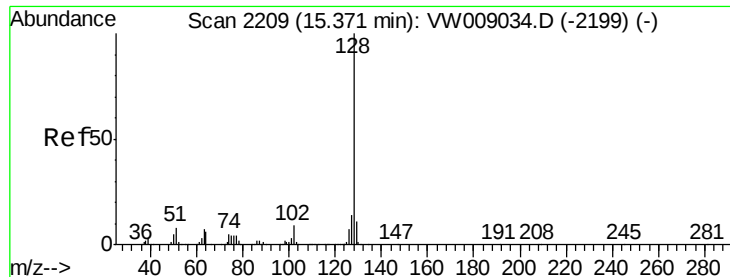


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

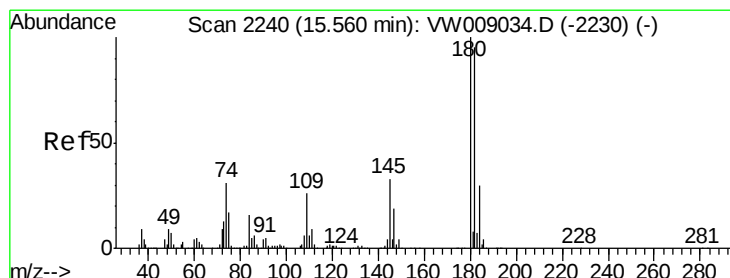
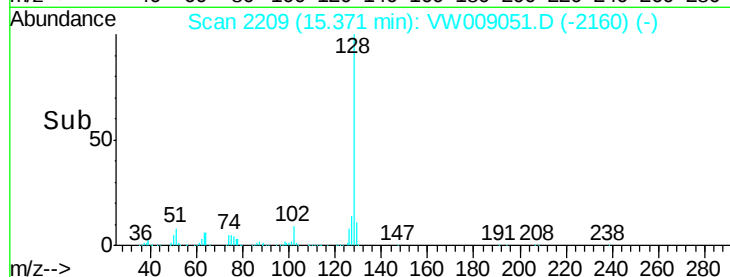
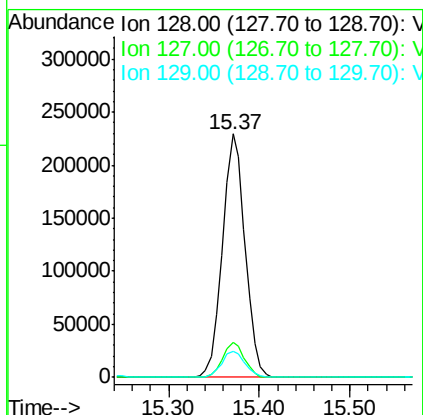
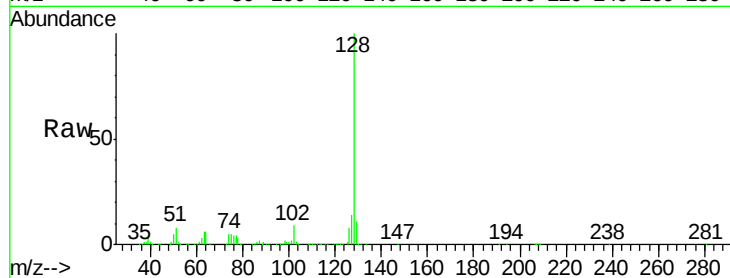




#95
Naphthalene
Concen: 55.470 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 396793
Ion Ratio Lower Upper
128 100
127 13.8 11.0 16.6
129 11.3 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 50.335 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009051.D
Acq: 07 Mar 2019 20:50

Tgt Ion:180 Resp: 193417
Ion Ratio Lower Upper
180 100
182 96.0 48.1 144.3
145 31.4 15.8 47.3

