

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
 Data File : VW010866.D
 Acq On : 20 Jun 2019 00:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Jun 20 05:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	168308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143023	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
35) Dibromofluoromethane	7.88	113	110318	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.32	98	444660	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.62	95	167696	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	90378	43.032	ug/l	98
3) Chloromethane	2.21	50	148289	47.990	ug/l	99
4) Vinyl Chloride	2.35	62	130322	45.649	ug/l	96
5) Bromomethane	2.75	94	75148	47.934	ug/l	99
6) Chloroethane	2.90	64	83033	48.454	ug/l	98
7) Trichlorofluoromethane	3.25	101	185726	50.116	ug/l	100
8) Diethyl Ether	3.68	74	73127	55.216	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114222	50.132	ug/l	99
10) Methyl Iodide	4.27	142	109308	46.901	ug/l	99
11) Tert butyl alcohol	5.17	59	78824	361.187	ug/l	97
12) 1,1-Dichloroethene	4.03	96	110712	50.372	ug/l	98
13) Acrolein	3.89	56	22598	253.403	ug/l	100
14) Allyl chloride	4.67	41	268729	55.451	ug/l	99
15) Acrylonitrile	5.37	53	190899	296.702	ug/l	100
16) Acetone	4.12	43	201657	280.946	ug/l	99
17) Carbon Disulfide	4.37	76	324578	46.521	ug/l	99
18) Methyl Acetate	4.67	43	107533	69.596	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	362356	57.163	ug/l	98
20) Methylene Chloride	4.92	84	130739	51.921	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	131907	52.867	ug/l	97
22) Diisopropyl ether	6.31	45	565405	58.276	ug/l	99
23) Vinyl Acetate	6.26	43	1624096	277.375	ug/l	100
24) 1,1-Dichloroethane	6.21	63	272217	55.987	ug/l	99
25) 2-Butanone	7.17	43	302419	303.847	ug/l	96
26) 2,2-Dichloropropane	7.16	77	197114	49.820	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	151187	55.061	ug/l	98
28) Bromochloromethane	7.51	49	128196	59.080	ug/l	96
29) Tetrahydrofuran	7.53	42	186794	298.375	ug/l	99
30) Chloroform	7.68	83	251019	56.443	ug/l	98
31) Cyclohexane	7.95	56	254096	47.012	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	210778	54.256	ug/l	99
36) 1,1-Dichloropropene	8.08	75	199062	51.131	ug/l	100
37) Ethyl Acetate	7.25	43	128195	59.422	ug/l	98
38) Carbon Tetrachloride	8.07	117	176315	52.463	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	232668	47.013	ug/l	98
40) Benzene	8.32	78	567396	53.424	ug/l	100
41) Methacrylonitrile	7.48	41	86842	67.722	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	191313	56.756	ug/l	99
43) Isopropyl Acetate	8.43	43	246912	59.242	ug/l	99
44) Trichloroethene	9.09	130	137321	52.415	ug/l	98
45) 1,2-Dichloropropane	9.37	63	157146	55.895	ug/l	100
46) Dibromomethane	9.46	93	73076	55.961	ug/l	98
47) Bromodichloromethane	9.65	83	191435	56.554	ug/l	97
48) Methyl methacrylate	9.43	41	119887	59.659	ug/l	97
49) 1,4-Dioxane	9.45	88	24276	1189.053	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	645699	303.253	ug/l	99
52) Toluene	10.39	92	347393	53.161	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	197999	55.225	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228822	54.237	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	105087	55.862	ug/l	99
56) Ethyl methacrylate	10.65	69	167449	57.847	ug/l	97
57) 1,3-Dichloropropane	10.93	76	200625	56.591	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	444592	293.235	ug/l	98
59) 2-Hexanone	10.97	43	455358	295.907	ug/l	99
60) Dibromochloromethane	11.13	129	117970	56.570	ug/l	100
61) 1,2-Dibromoethane	11.24	107	100515	56.394	ug/l	99
64) Tetrachloroethene	10.86	164	136772	60.150	ug/l	97
65) Chlorobenzene	11.66	112	356463	52.930	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	127742	54.794	ug/l	100
67) Ethyl Benzene	11.73	91	675441	52.186	ug/l	100
68) m/p-Xylenes	11.84	106	488884	105.517	ug/l	99
69) o-Xylene	12.16	106	232408	52.889	ug/l	97
70) Styrene	12.18	104	410425	53.767	ug/l	99
71) Bromoform	12.35	173	66487	55.144	ug/l #	99
73) Isopropylbenzene	12.46	105	631670	49.943	ug/l	100
74) N-amyl acetate	12.27	43	233837	57.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	129507	53.787	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	172541	97.621	ug/l #	100
77) Bromobenzene	12.75	156	143289	51.901	ug/l	97
78) n-propylbenzene	12.80	91	770766	50.540	ug/l	100
79) 2-Chlorotoluene	12.90	91	451514	51.821	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	531684	51.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39024	50.745	ug/l	95
82) 4-Chlorotoluene	12.99	91	470182	52.293	ug/l	99
83) tert-Butylbenzene	13.21	119	437848	49.836	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	537332	51.580	ug/l	98
85) sec-Butylbenzene	13.38	105	630888	49.319	ug/l	100
86) p-Isopropyltoluene	13.50	119	568269	49.677	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	276199	51.878	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	274628	52.031	ug/l	99
89) n-Butylbenzene	13.83	91	565372	49.536	ug/l	100
90) Hexachloroethane	14.10	117	105326	51.414	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	249739	52.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23681	57.274	ug/l	97

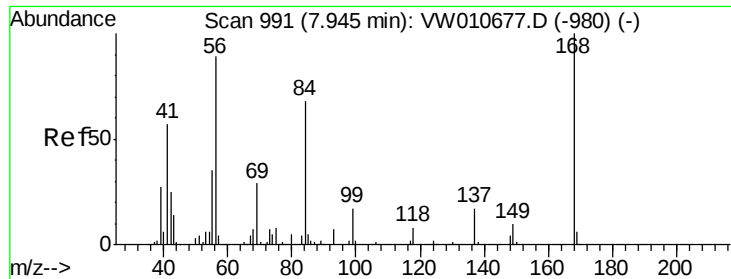
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061919\
Data File : VW010866.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	177040	52.692	ug/l	99
94) Hexachlorobutadiene	15.24	225	102301	48.513	ug/l	100
95) Naphthalene	15.37	128	350660	57.442	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	158899	55.609	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

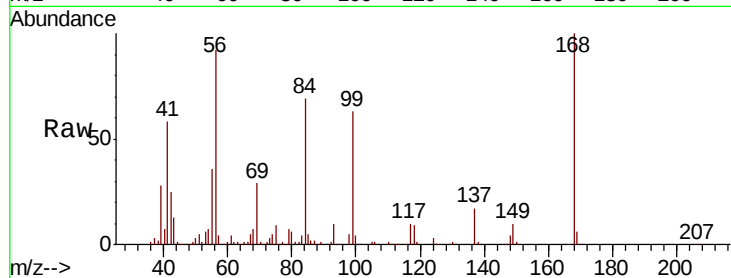
VSTDCCC050

Tot Ion:168 Resp: 227273

Ion Ratio Lower Upper

168 100

99 62.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

60000

40000

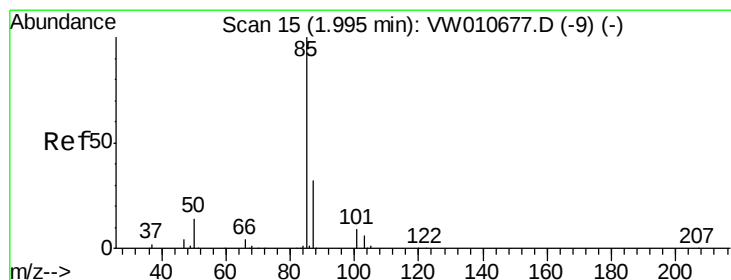
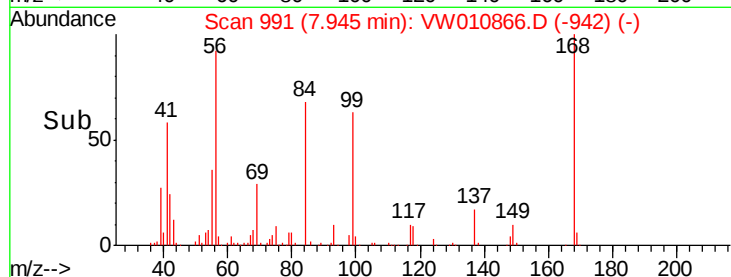
20000

0

Time-->

7.90

8.00



#2

Dichlorodifluoromethane

Concen: 43.032 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW010866.D

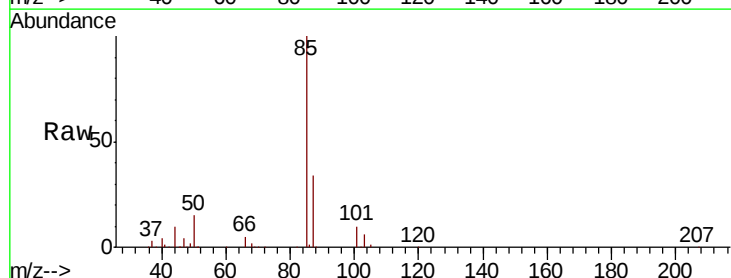
Acq: 20 Jun 2019 00:01

Tgt Ion: 85 Resp: 90378

Ion Ratio Lower Upper

85 100

87 33.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

60000

50000

40000

30000

20000

10000

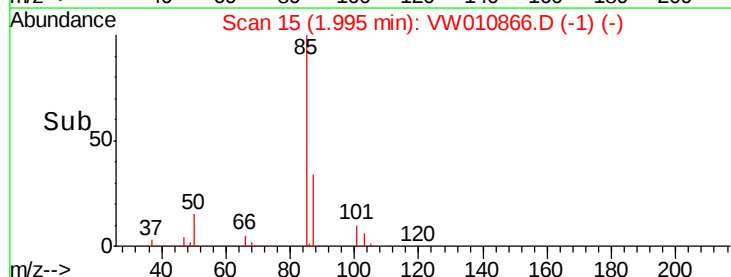
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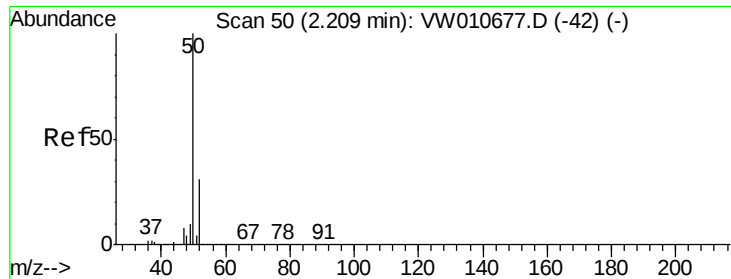
Time-->

1.90

2.00

2.10





#3

Chloromethane

Concen: 47.990 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

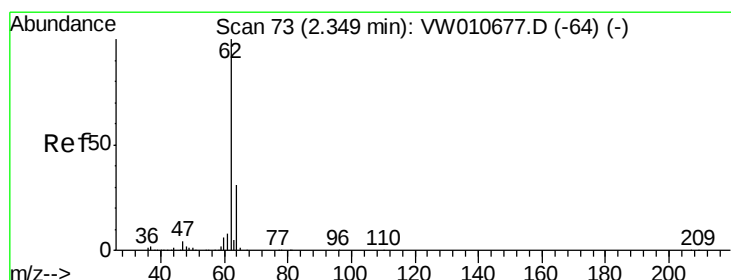
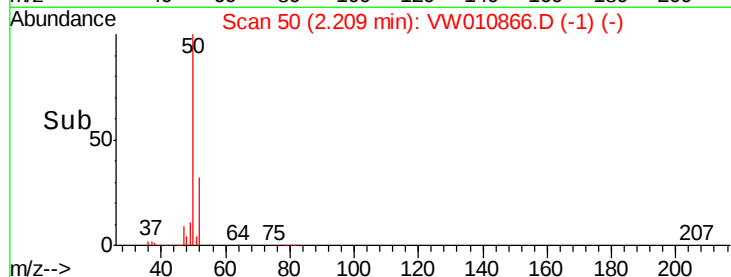
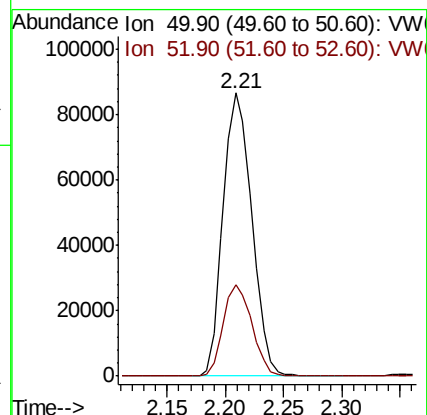
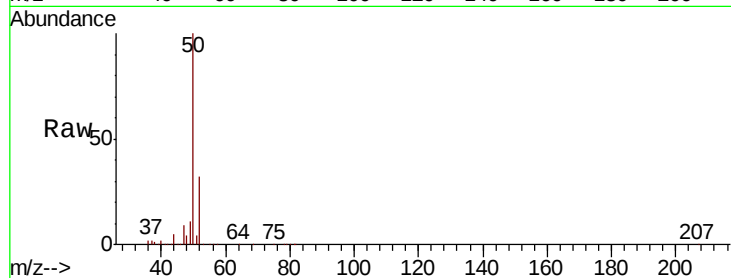
VSTDCCC050

Tot Ion: 50 Resp: 148289

Ion Ratio Lower Upper

50 100

52 32.1 25.2 37.8



#4

Vinyl Chloride

Concen: 45.649 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VW010866.D

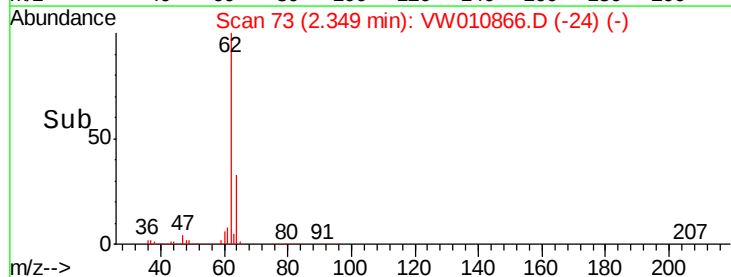
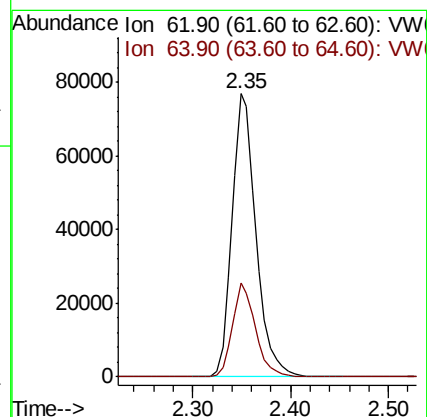
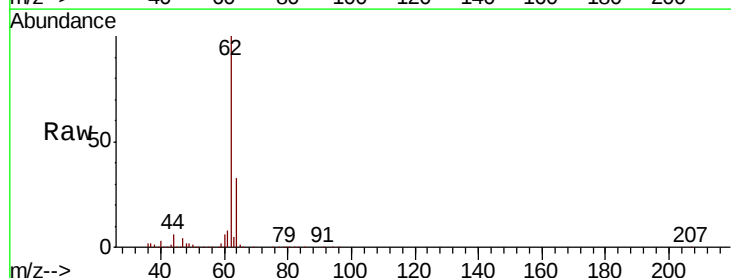
Acq: 20 Jun 2019 00:01

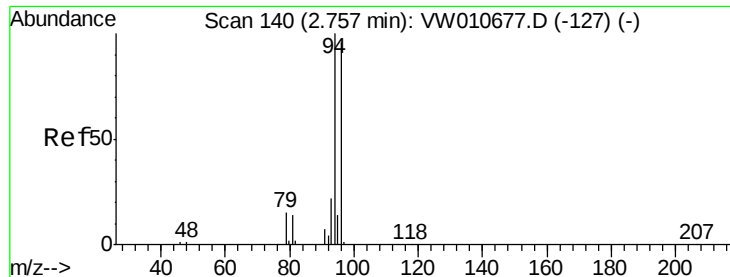
Tgt Ion: 62 Resp: 130322

Ion Ratio Lower Upper

62 100

64 33.0 24.5 36.7





#5

Bromomethane

Concen: 47.934 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

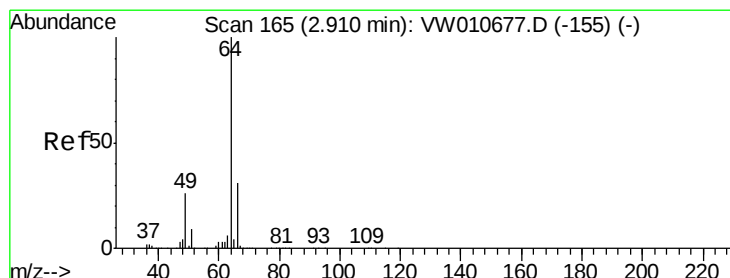
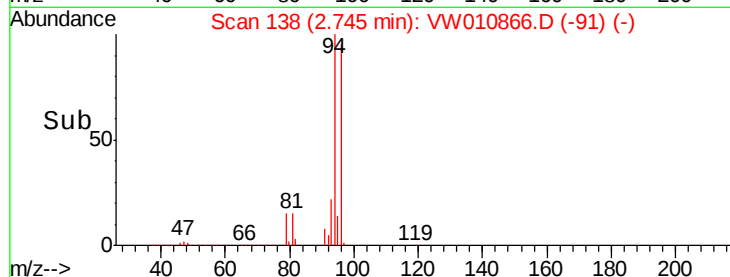
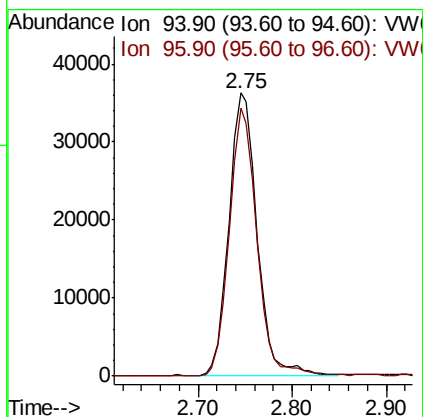
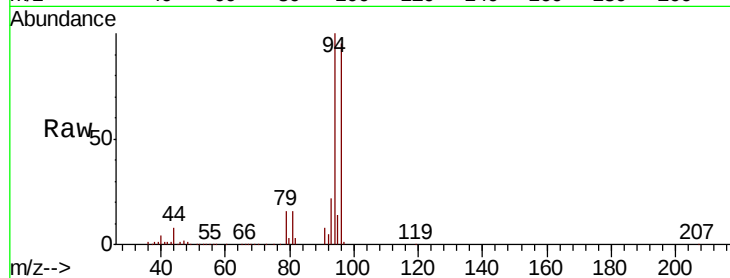
VSTDCCC050

Tot Ion: 94 Resp: 75148

Ion Ratio Lower Upper

94 100

96 94.8 76.5 114.7



#6

Chloroethane

Concen: 48.454 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010866.D

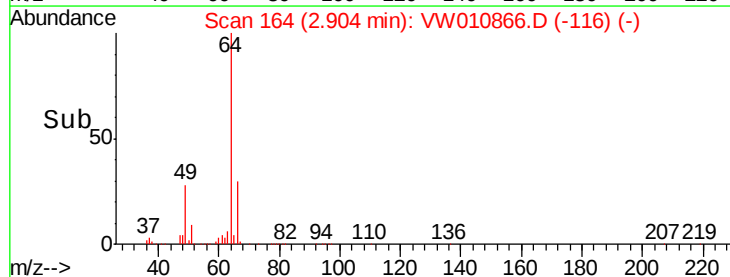
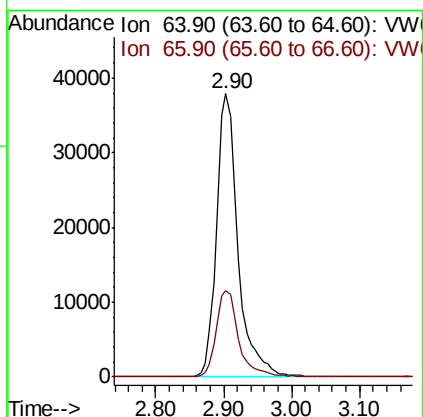
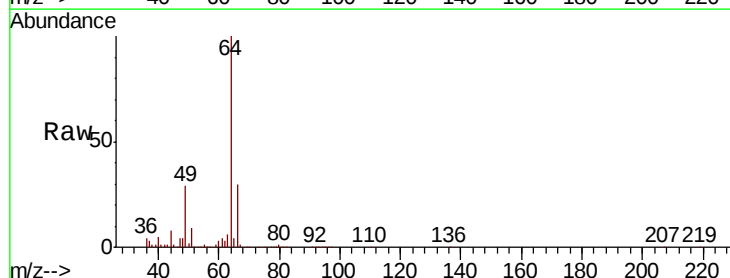
Acq: 20 Jun 2019 00:01

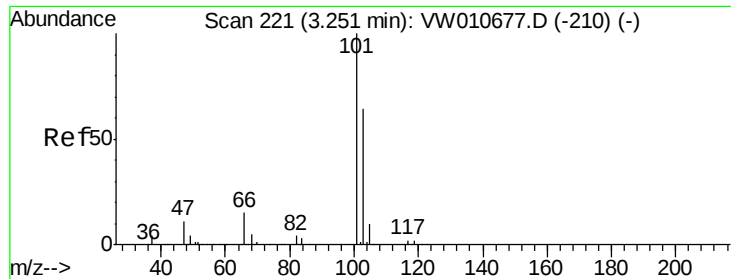
Tgt Ion: 64 Resp: 83033

Ion Ratio Lower Upper

64 100

66 30.2 25.1 37.7



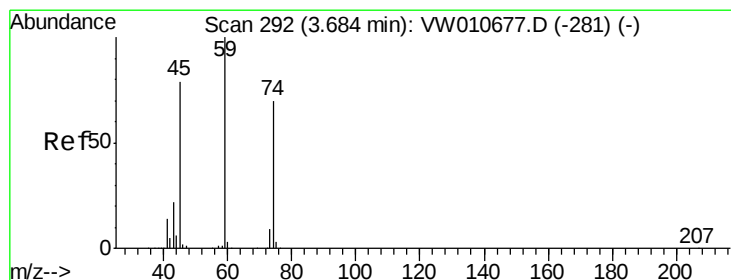
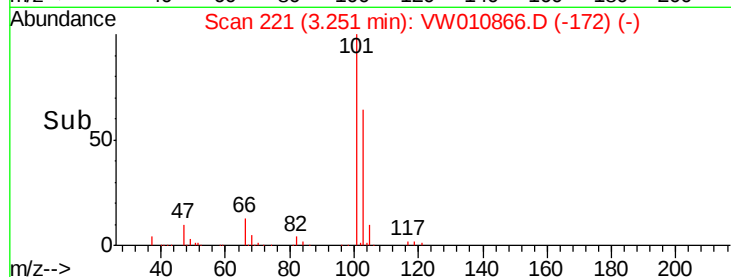
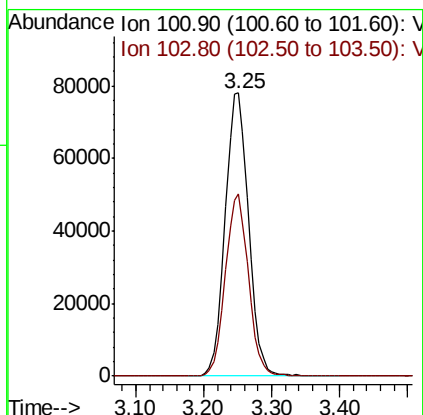
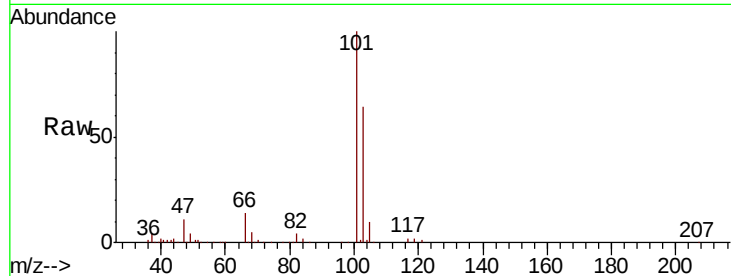


#7

Trichlorofluoromethane
 Concen: 50.116 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

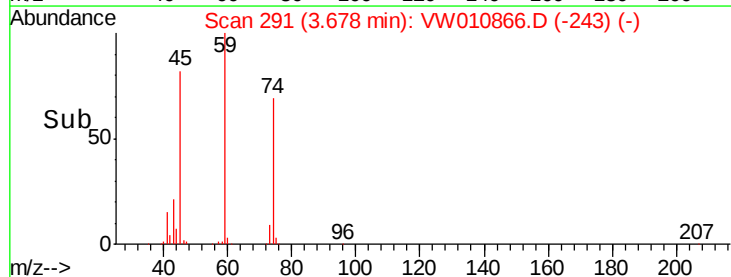
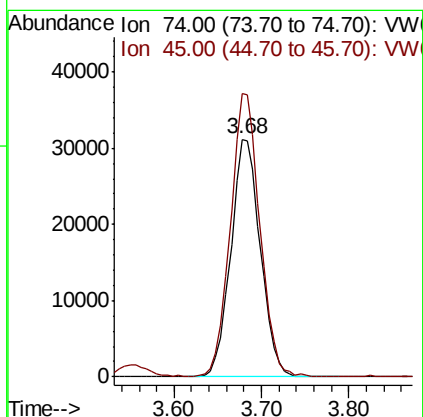
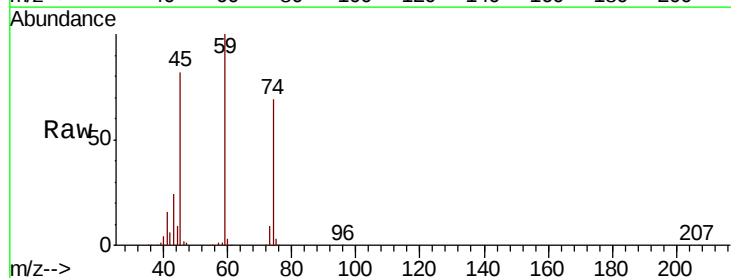
Tot Ion:101 Resp: 185726
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.2 76.8

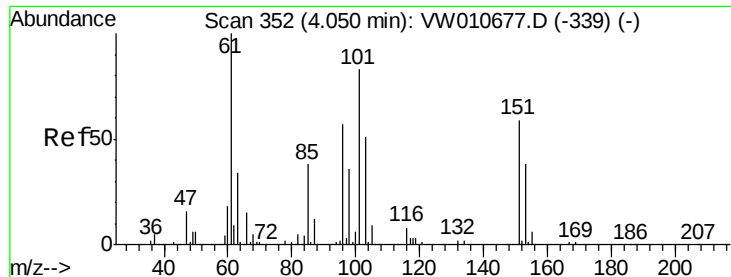


#8

Diethyl Ether
 Concen: 55.216 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 74 Resp: 73127
 Ion Ratio Lower Upper
 74 100
 45 118.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.132 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

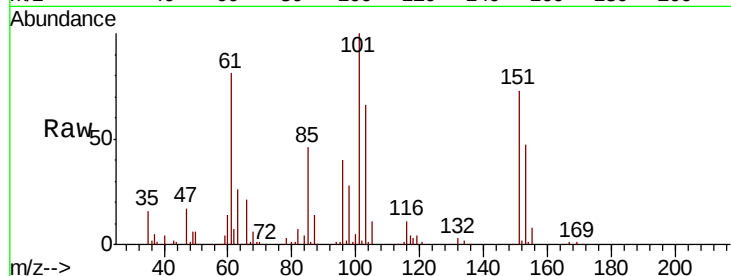
Tot Ion:101 Resp: 114222

Ion Ratio Lower Upper

101 100

85 45.9 35.8 53.8

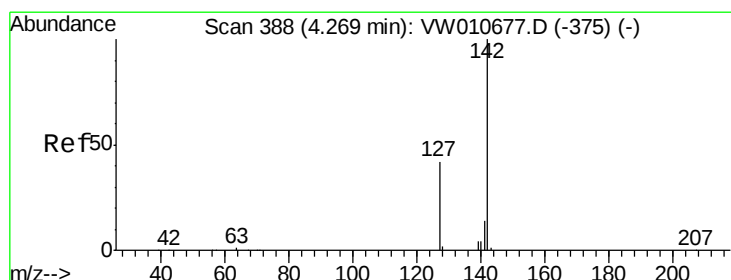
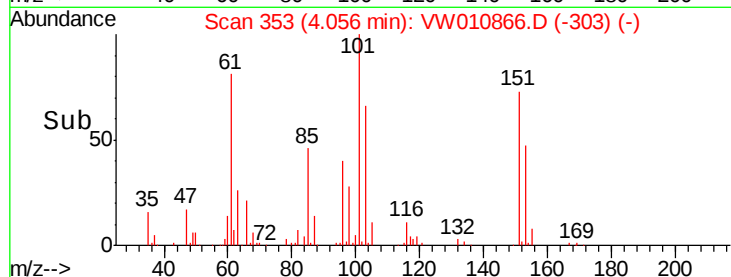
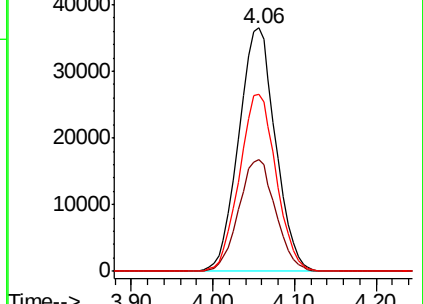
151 72.7 58.1 87.1



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: 46.901 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

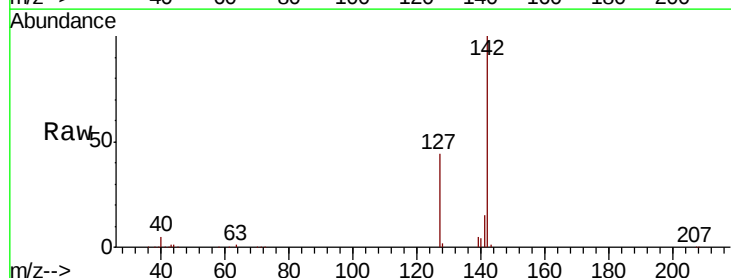
Tgt Ion:142 Resp: 109308

Ion Ratio Lower Upper

142 100

127 44.3 34.6 51.8

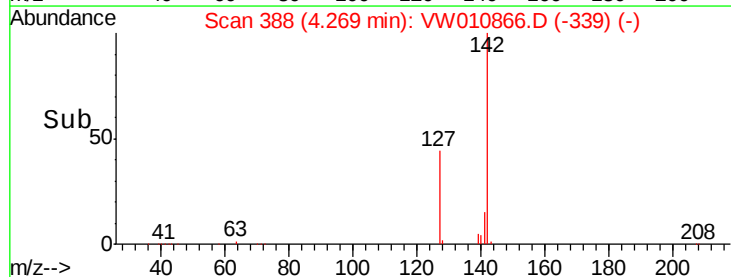
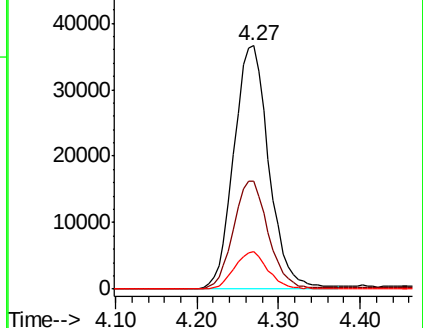
141 14.7 11.6 17.4

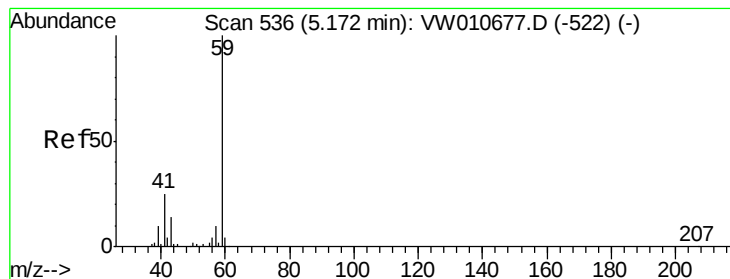


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 361.187 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

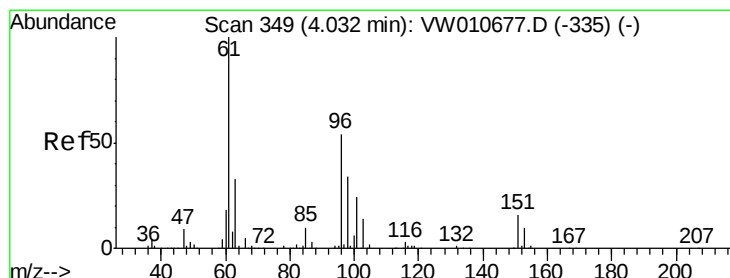
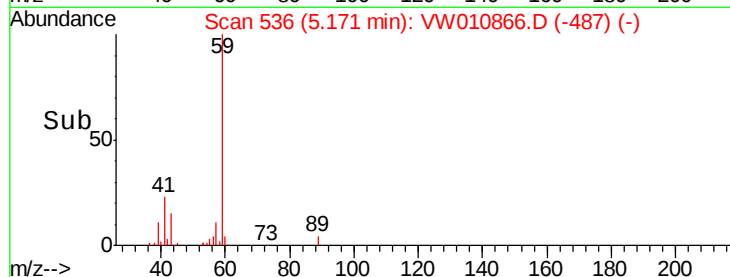
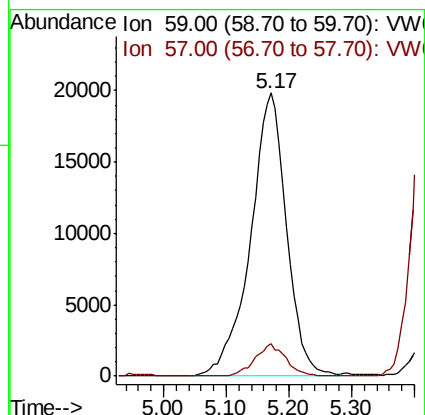
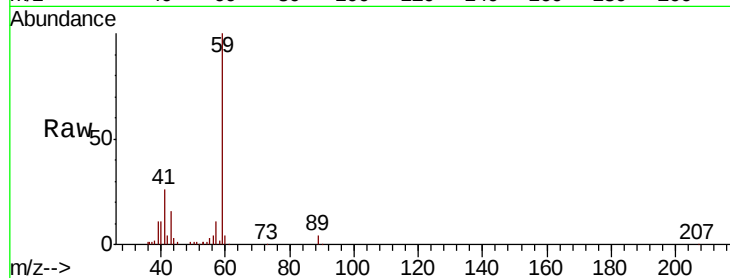
VSTDCCC050

Tot Ion: 59 Resp: 78824

Ion Ratio Lower Upper

59 100

57 9.7 8.6 12.8



#12

1,1-Dichloroethene

Concen: 50.372 ug/l

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

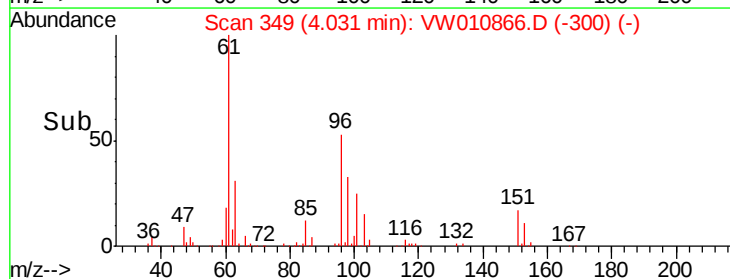
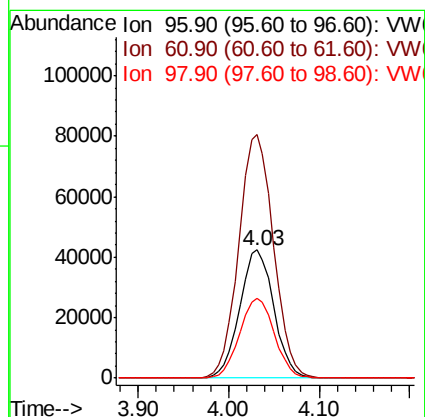
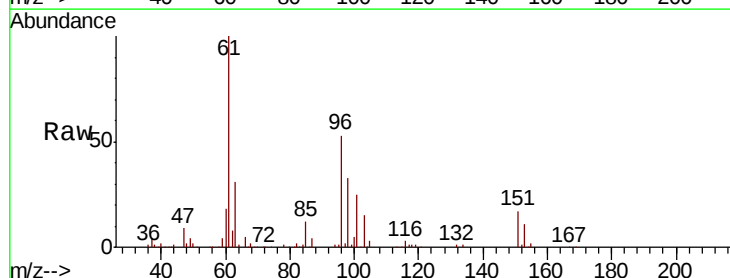
Tgt Ion: 96 Resp: 110712

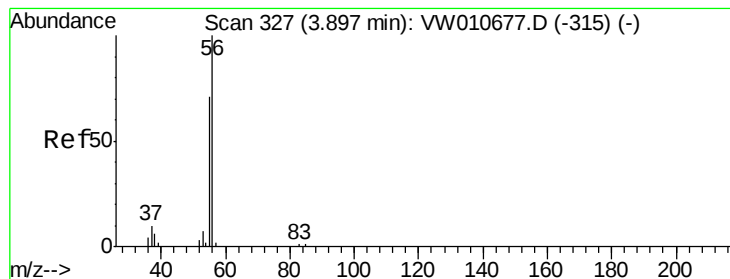
Ion Ratio Lower Upper

96 100

61 189.6 149.1 223.7

98 62.3 51.1 76.7





#13

Acrolein

Concen: 253.403 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

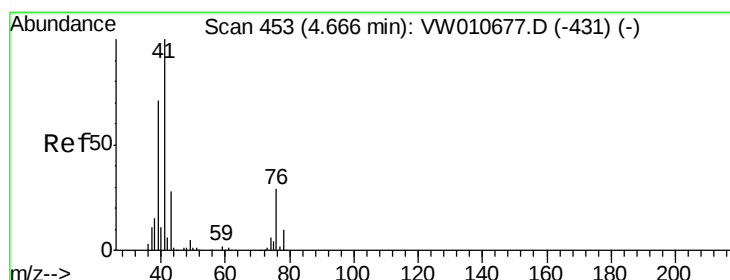
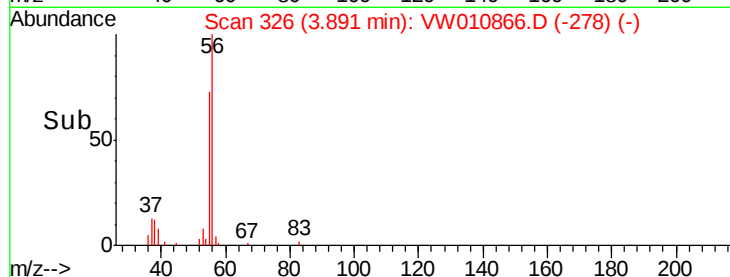
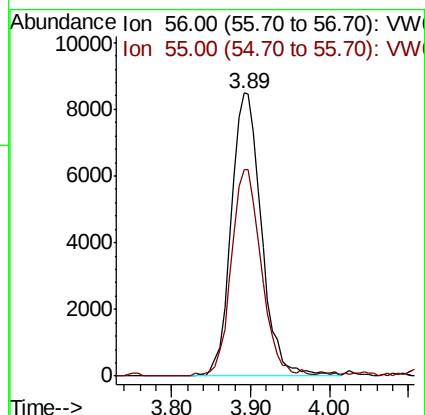
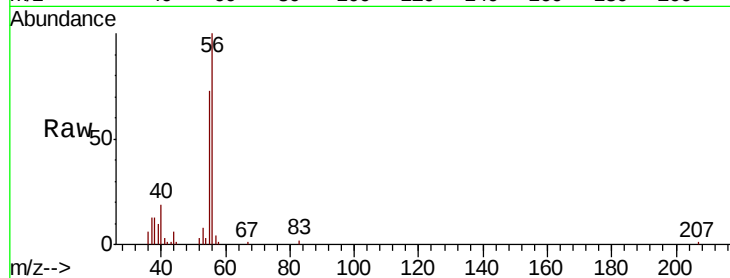
VSTDCCC050

Tot Ion: 56 Resp: 22598

Ion Ratio Lower Upper

56 100

55 72.4 57.6 86.4



#14

Allyl chloride

Concen: 55.451 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

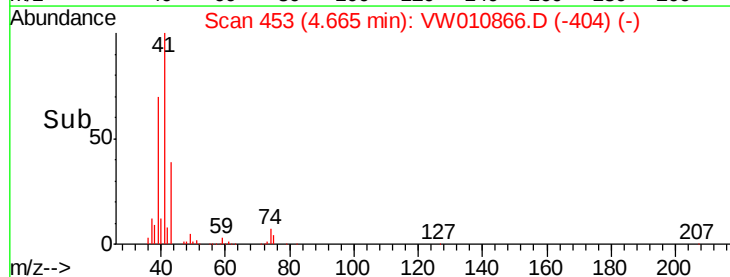
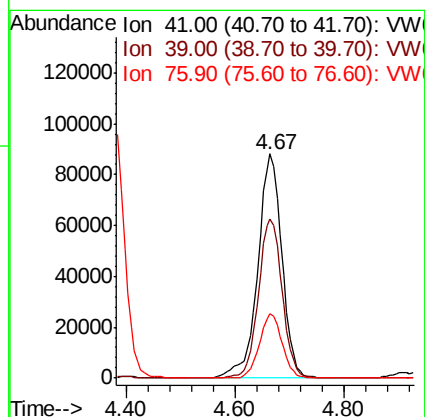
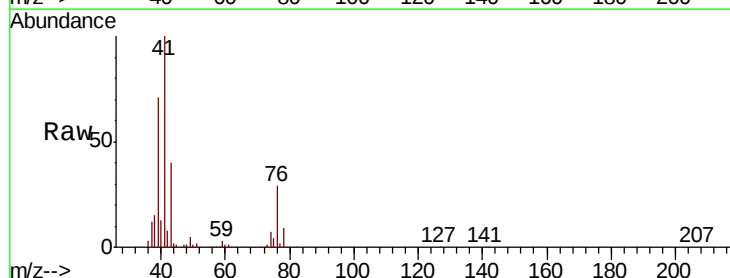
Tgt Ion: 41 Resp: 268729

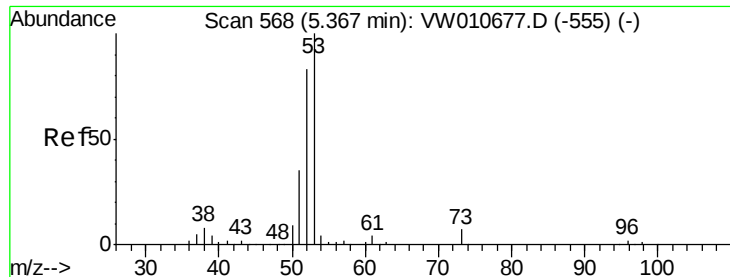
Ion Ratio Lower Upper

41 100

39 69.8 55.8 83.6

76 27.2 22.7 34.1





#15

Acrylonitrile

Concen: 296.702 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

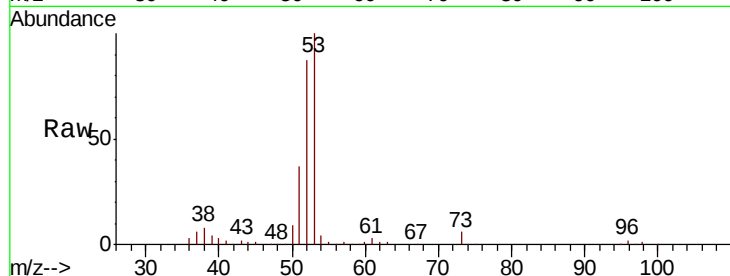
Tot Ion: 53 Resp: 190899

Ion Ratio Lower Upper

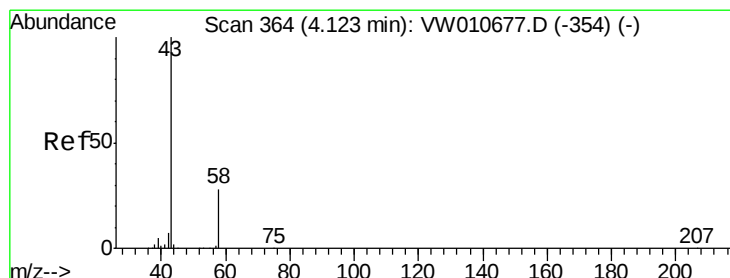
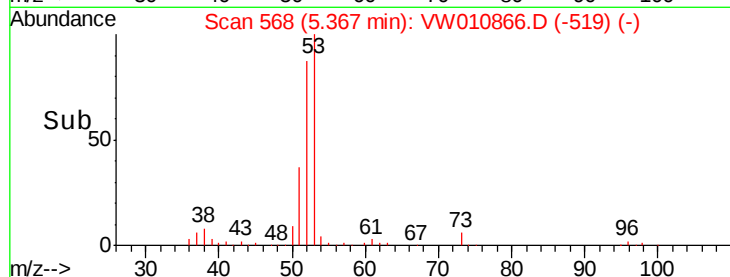
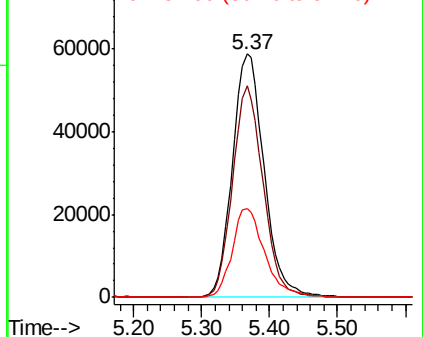
53 100

52 83.8 66.6 100.0

51 37.5 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 280.946 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010866.D

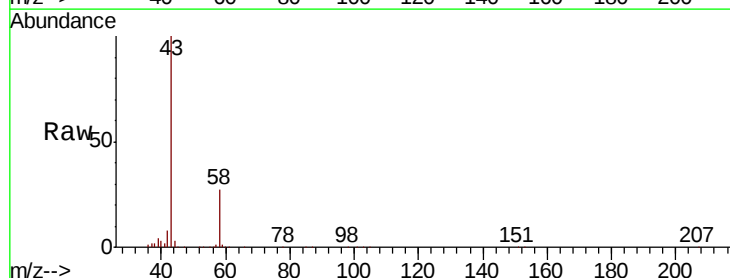
Acq: 20 Jun 2019 00:01

Tgt Ion: 43 Resp: 201657

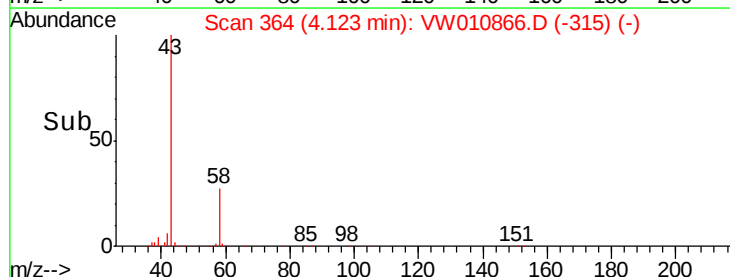
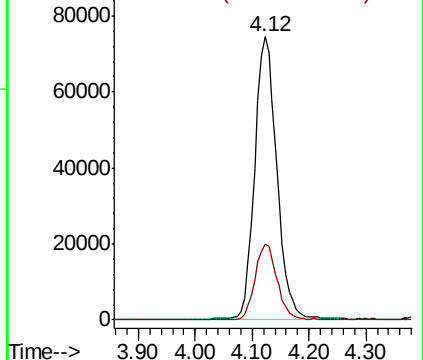
Ion Ratio Lower Upper

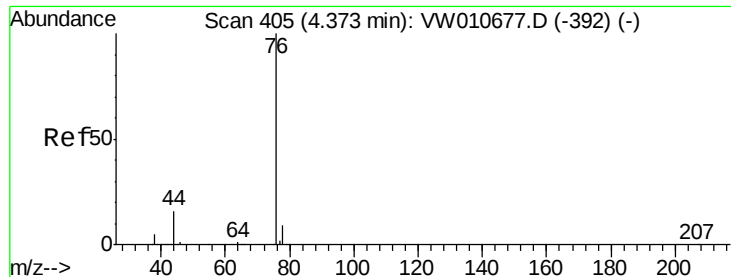
43 100

58 26.9 22.1 33.1



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

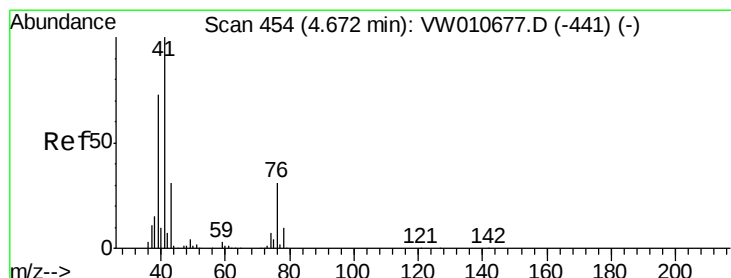
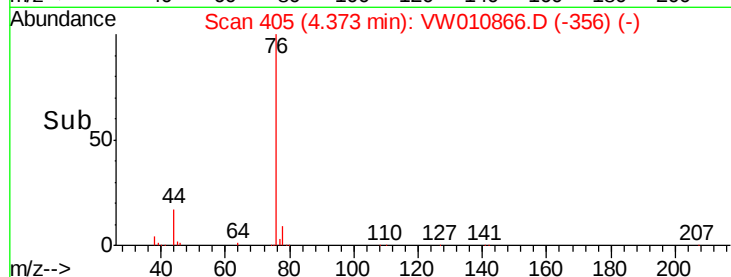
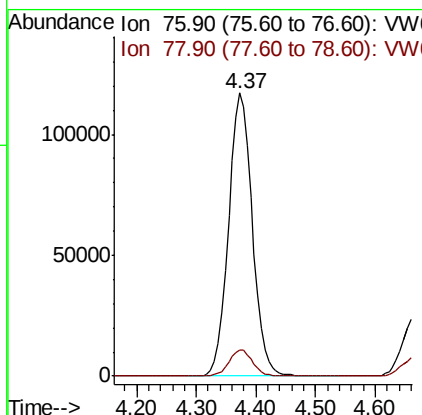
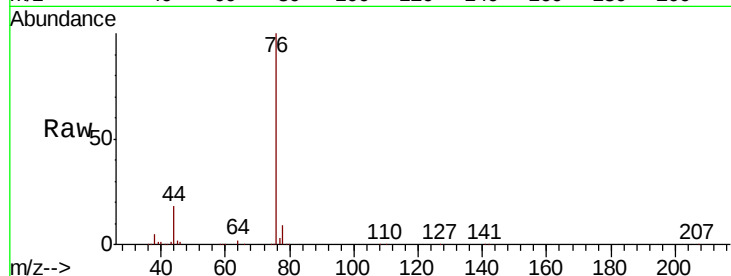




#17
Carbon Disulfide
Concen: 46.521 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

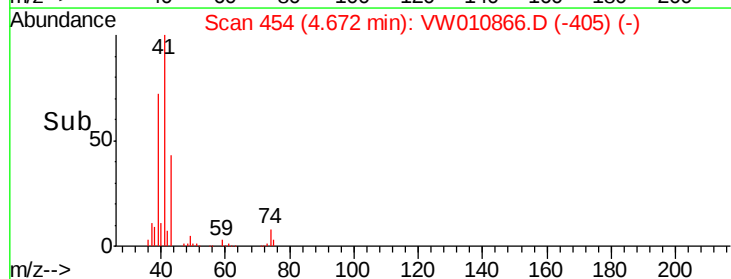
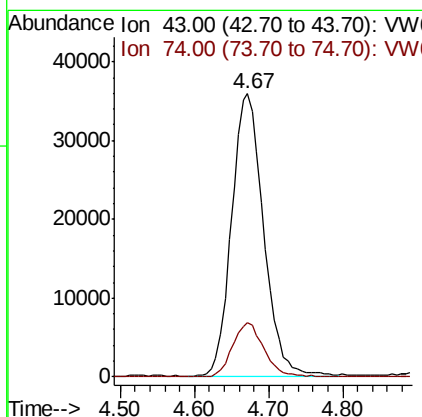
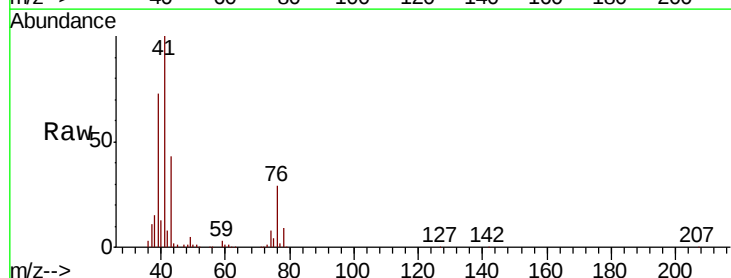
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

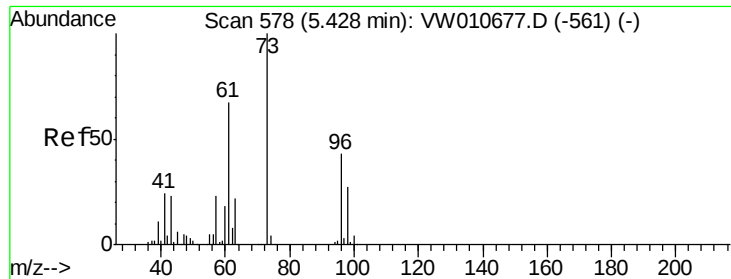
Tot Ion: 76 Resp: 324578
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3



#18
Methyl Acetate
Concen: 69.596 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 43 Resp: 107533
Ion Ratio Lower Upper
43 100
74 19.0 16.7 25.1

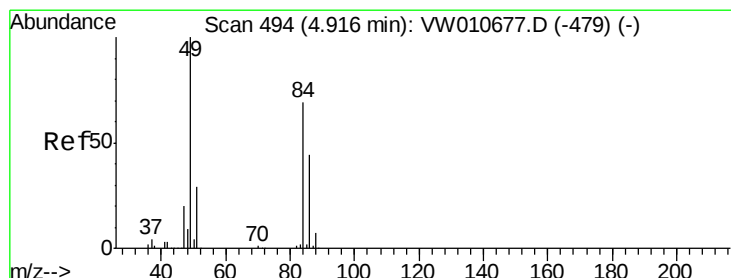
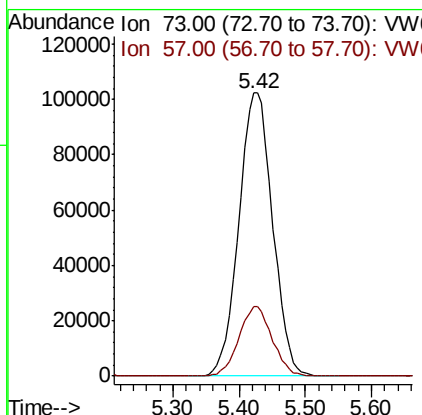
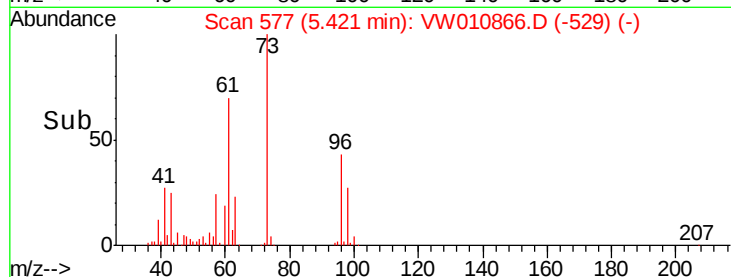
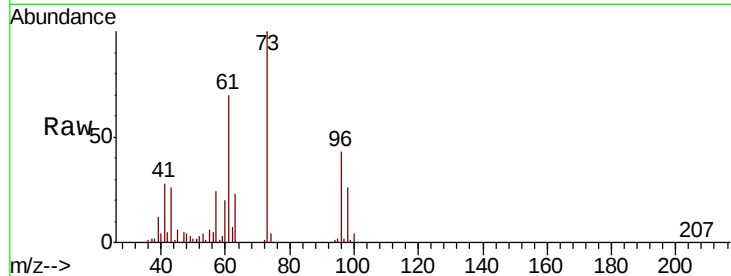




#19
Methvl tert-butvl Ether
Concen: 57.163 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

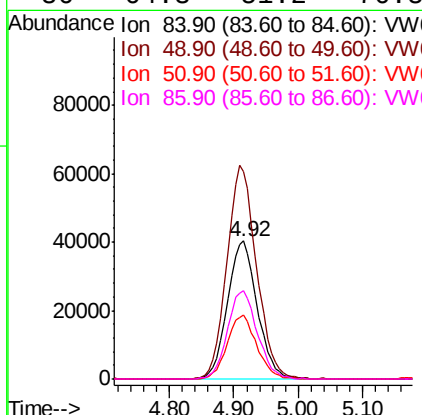
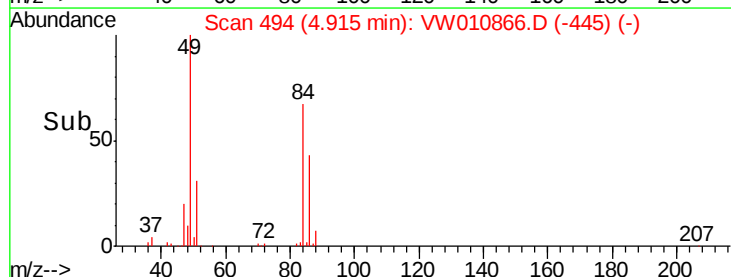
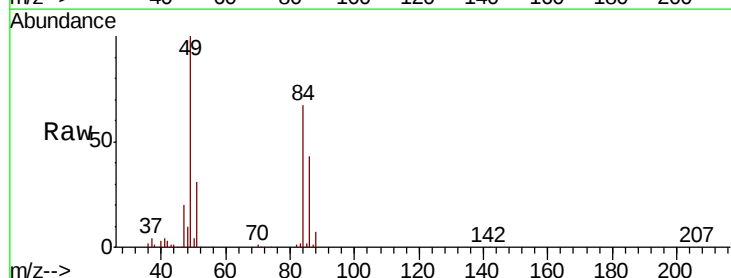
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

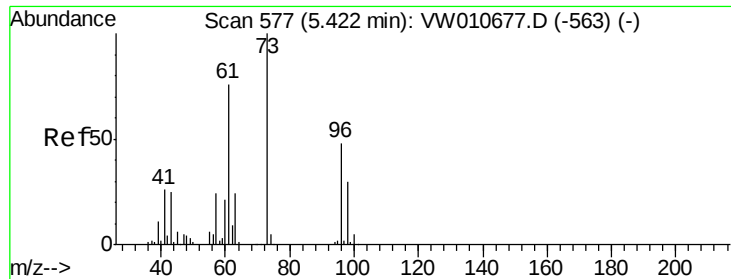
Tot Ion: 73 Resp: 362356
Ion Ratio Lower Upper
73 100
57 24.4 18.6 27.8



#20
Methylene Chloride
Concen: 51.921 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 84 Resp: 130739
Ion Ratio Lower Upper
84 100
49 149.7 116.7 175.1
51 45.9 34.2 51.2
86 64.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 52.867 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

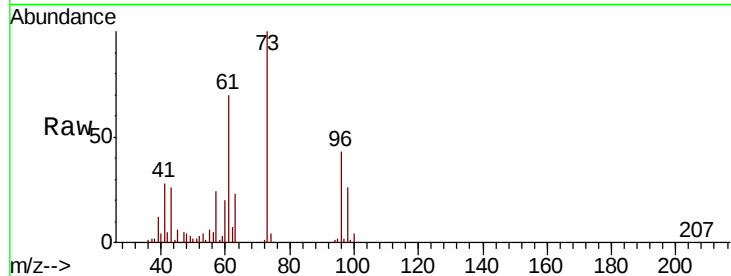
Tot Ion: 96 Resp: 131907

Ion Ratio Lower Upper

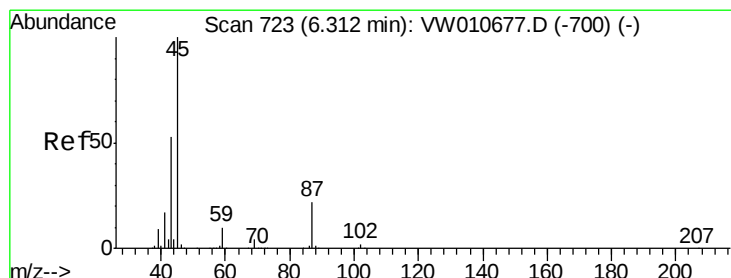
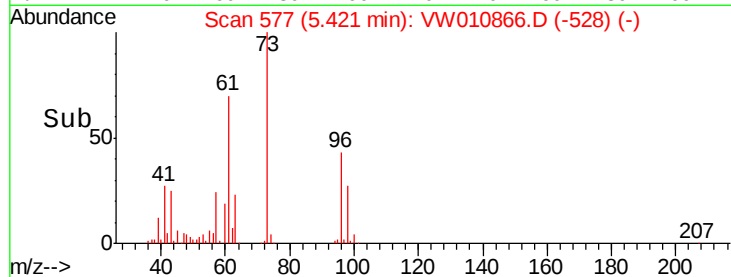
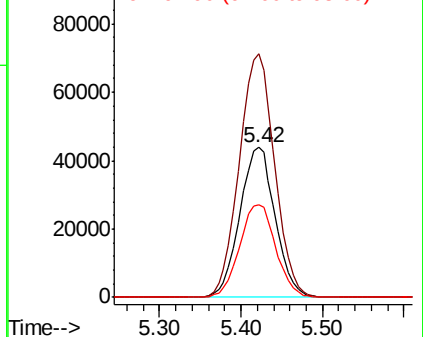
96 100

61 162.8 126.0 189.0

98 61.9 49.6 74.4



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: 58.276 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion: 45 Resp: 565405

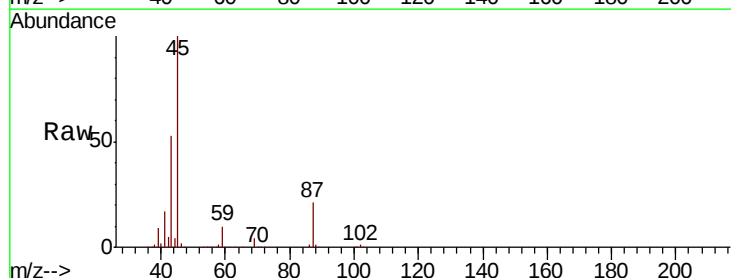
Ion Ratio Lower Upper

45 100

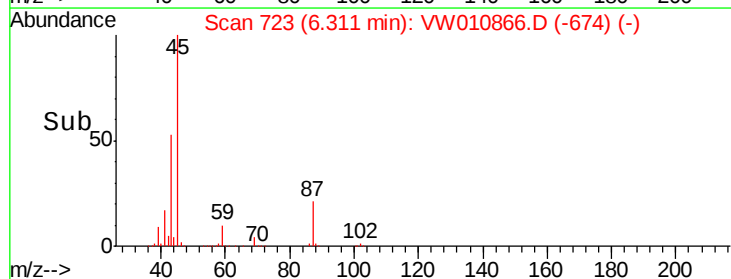
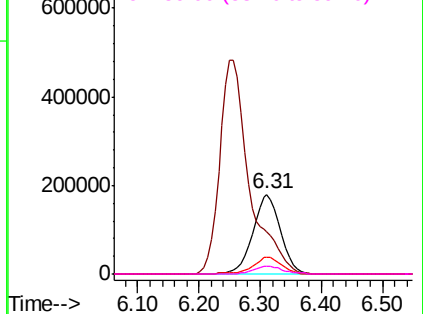
43 53.0 42.5 63.7

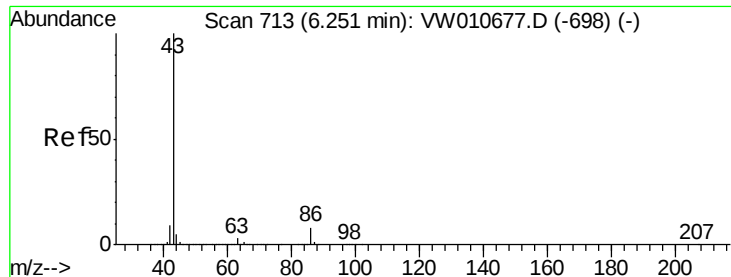
87 20.8 17.4 26.2

59 9.6 8.1 12.1



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: 277.375 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampled :

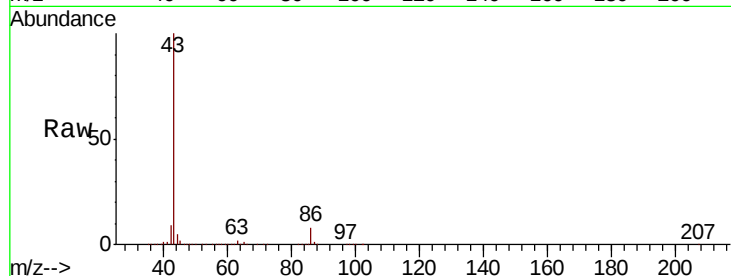
VSTDCCC050

Tot Ion: 43 Resp: 1624096

Ion Ratio Lower Upper

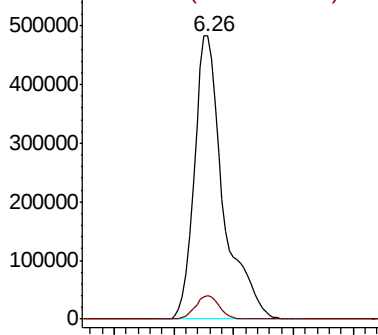
43 100

86 8.2 6.6 10.0

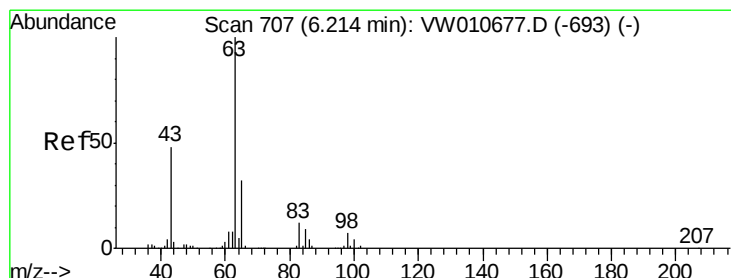
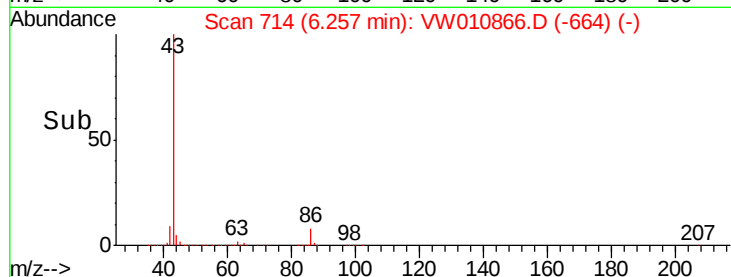


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 55.987 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

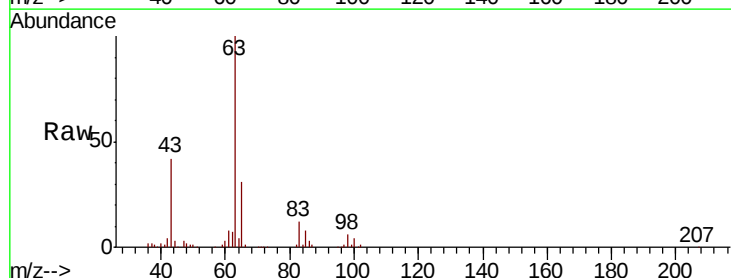
Tgt Ion: 63 Resp: 272217

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

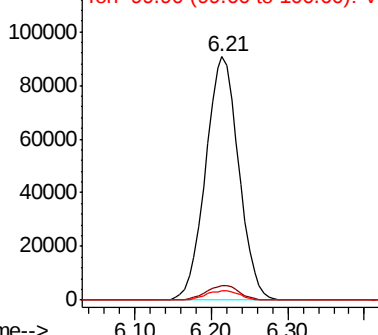
100 3.9 2.1 6.3



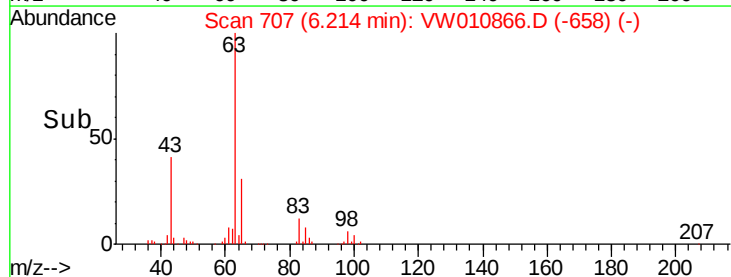
Abundance Ion 62.90 (62.60 to 63.60): VW

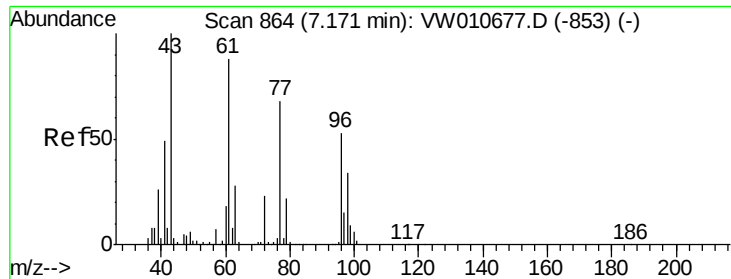
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 303.847 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampled :

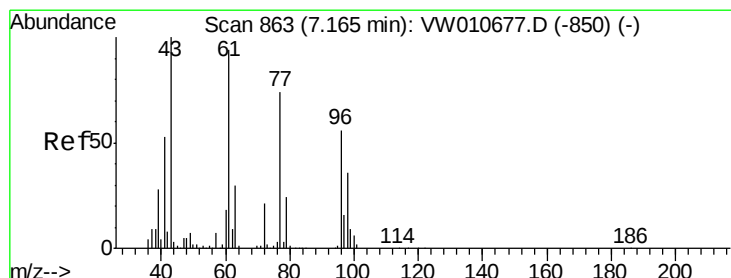
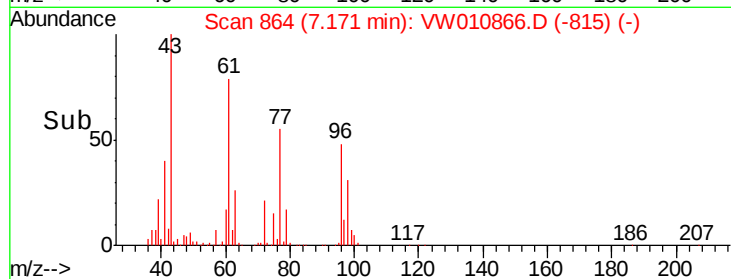
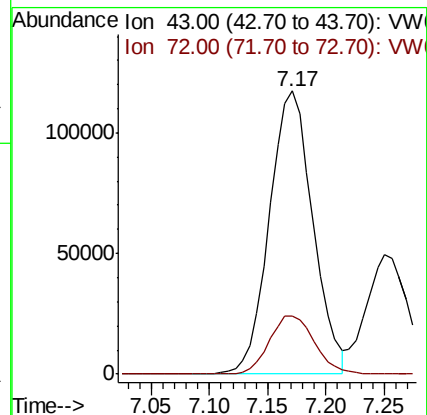
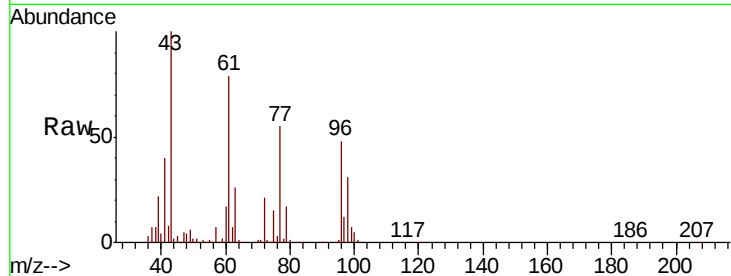
VSTDCCC050

Tot Ion: 43 Resp: 302419

Ion Ratio Lower Upper

43 100

72 20.7 18.1 27.1



#26

2,2-Dichloropropane

Concen: 49.820 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW010866.D

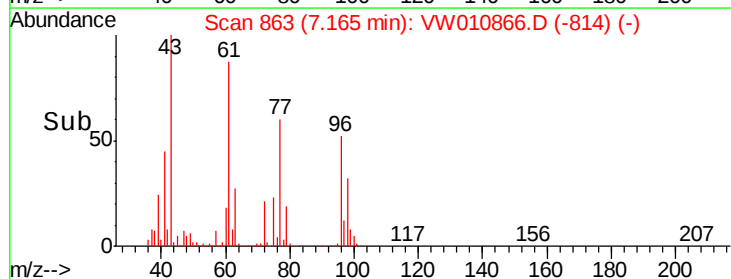
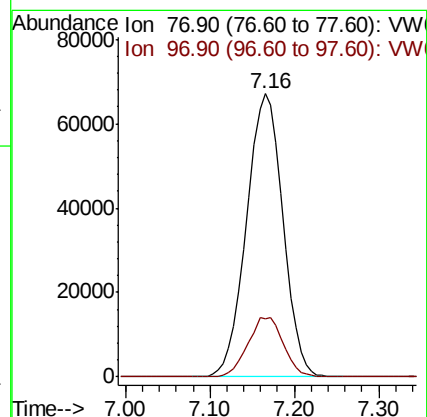
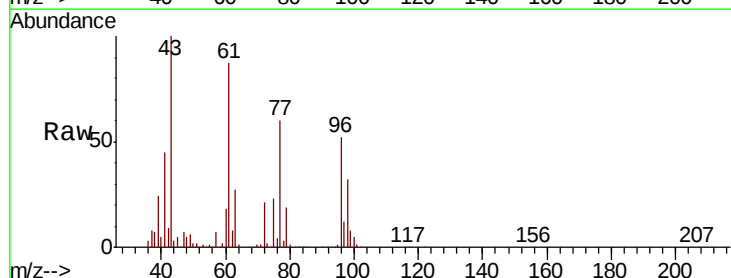
Acq: 20 Jun 2019 00:01

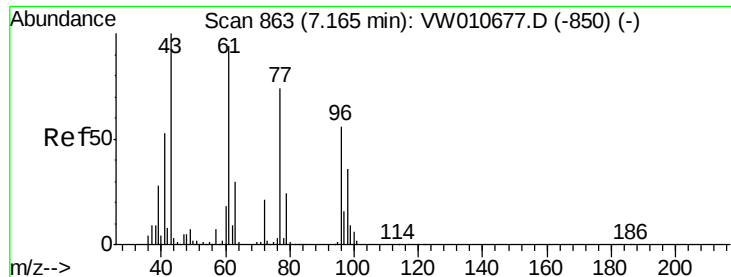
Tgt Ion: 77 Resp: 197114

Ion Ratio Lower Upper

77 100

97 20.5 10.5 31.6



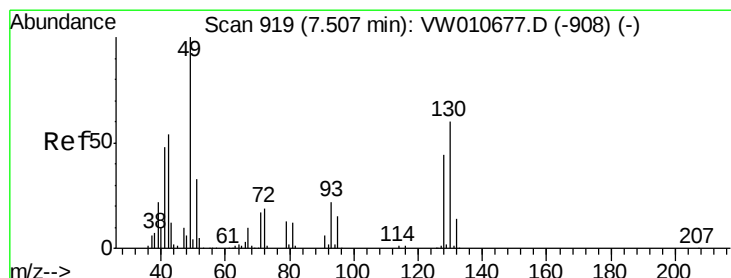
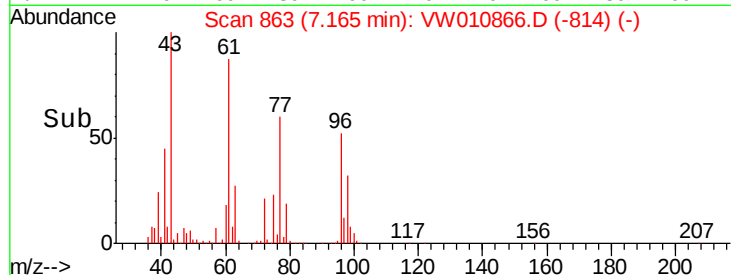
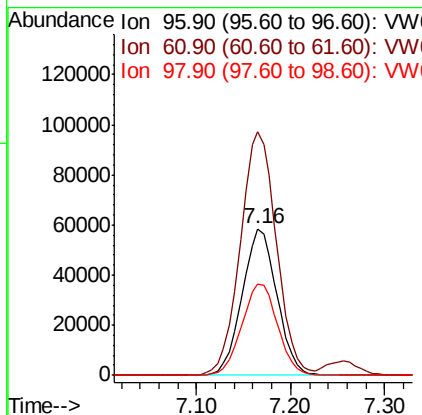
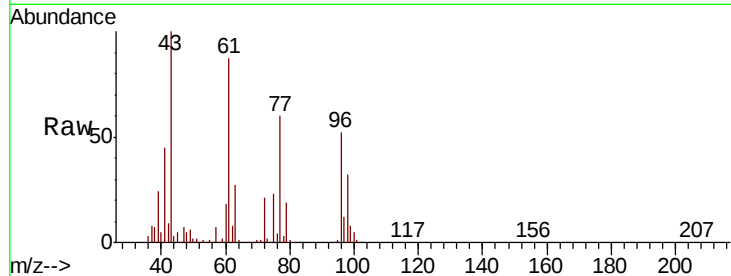


#27

cis-1,2-Dichloroethene
 Concen: 55.061 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

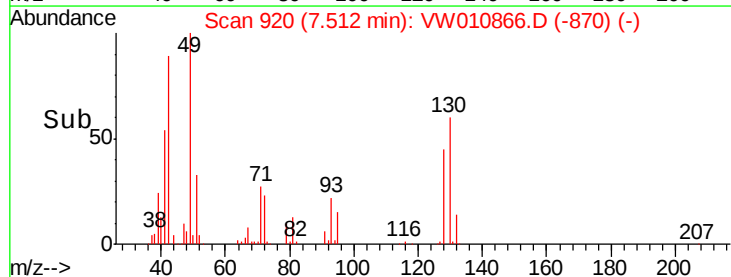
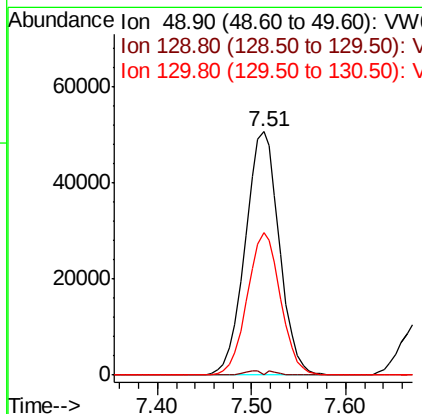
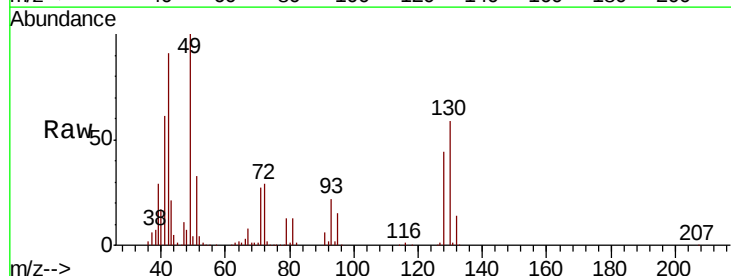
Tot Ion: 96 Resp: 151187
 Ion Ratio Lower Upper
 96 100
 61 172.3 0.0 336.4
 98 64.3 0.0 128.0

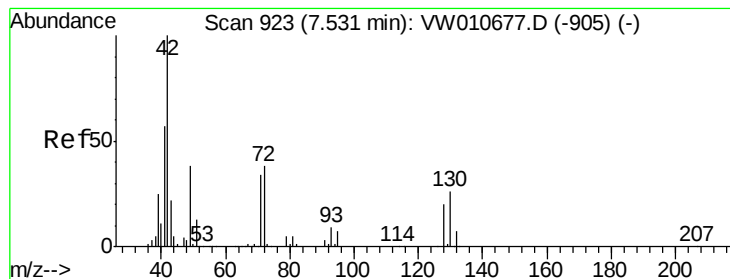


#28

Bromochloromethane
 Concen: 59.080 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 49 Resp: 128196
 Ion Ratio Lower Upper
 49 100
 129 0.7 0.0 3.2
 130 57.2 48.3 72.5





#29

Tetrahydrofuran

Concen: 298.375 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

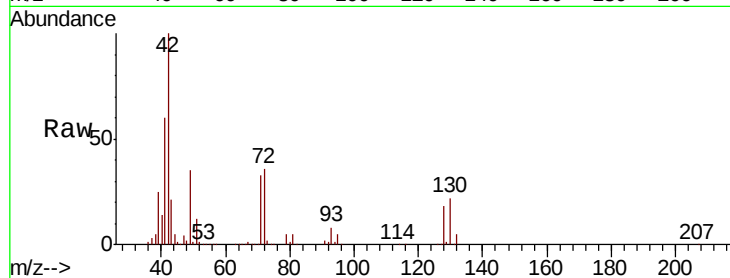
Tot Ion: 42 Resp: 186794

Ion Ratio Lower Upper

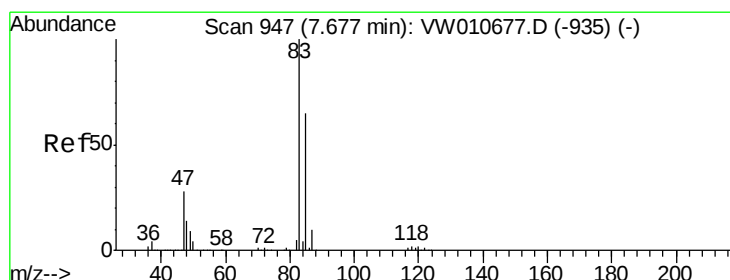
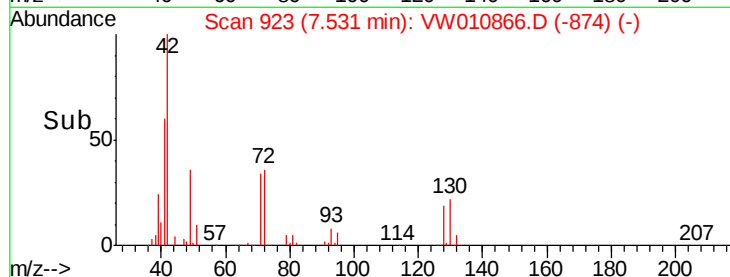
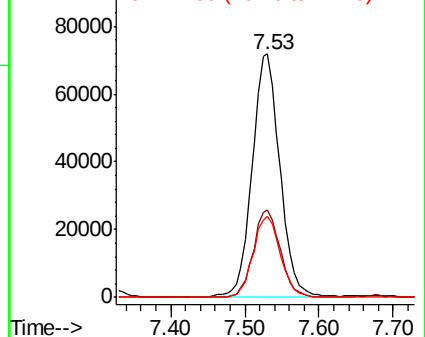
42 100

72 35.2 28.7 43.1

71 33.1 26.6 39.8



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



#30

Chloroform

Concen: 56.443 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW010866.D

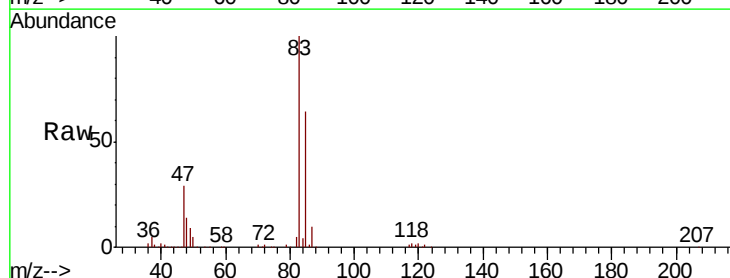
Acq: 20 Jun 2019 00:01

Tgt Ion: 83 Resp: 251019

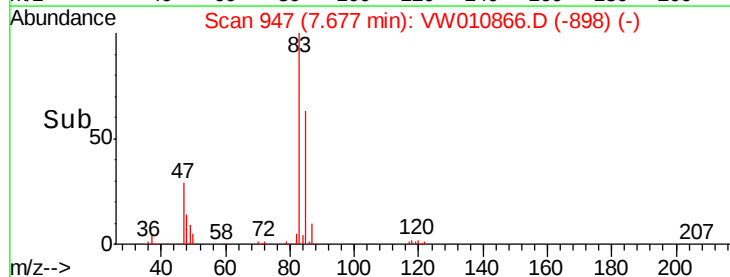
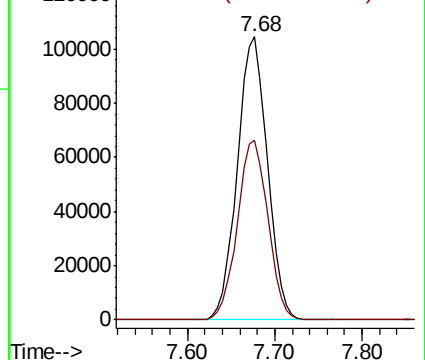
Ion Ratio Lower Upper

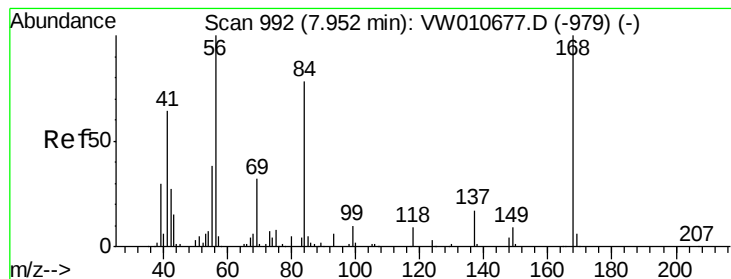
83 100

85 63.5 51.8 77.8



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





#31

Cyclohexane

Concen: 47.012 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

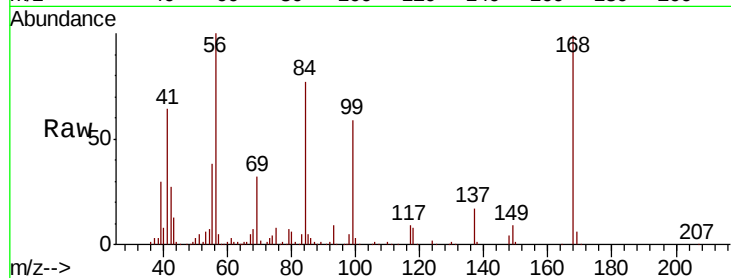
Tot Ion: 56 Resp: 254096

Ion Ratio Lower Upper

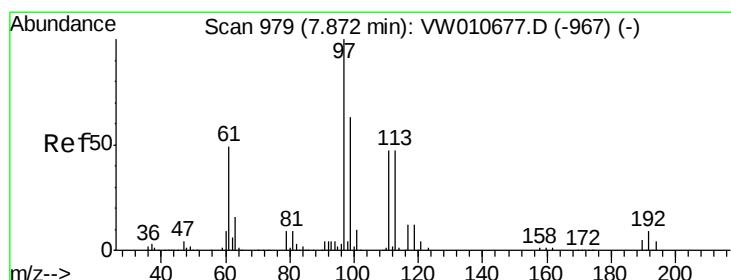
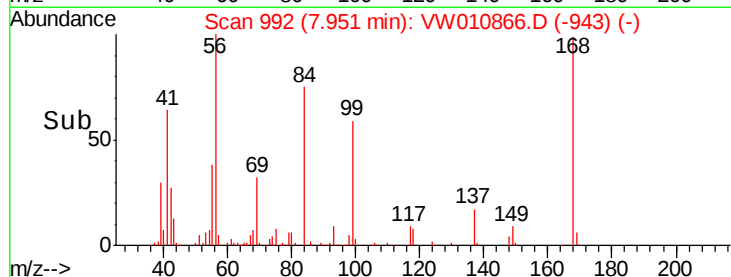
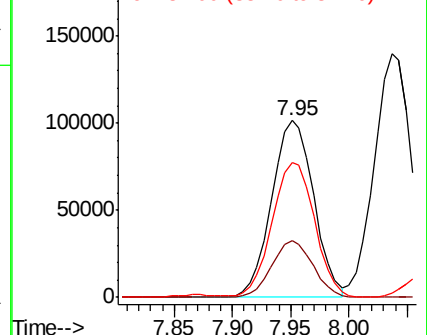
56 100

69 32.4 25.2 37.8

84 75.2 62.2 93.2



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: 54.256 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

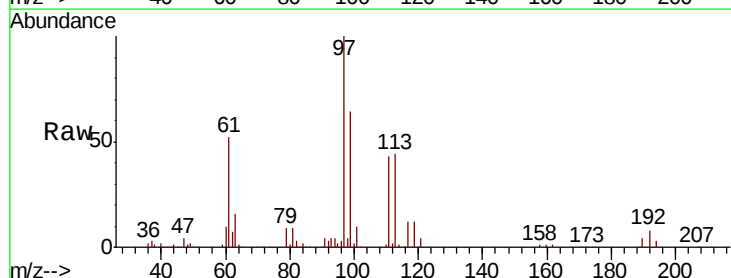
Tgt Ion: 97 Resp: 210778

Ion Ratio Lower Upper

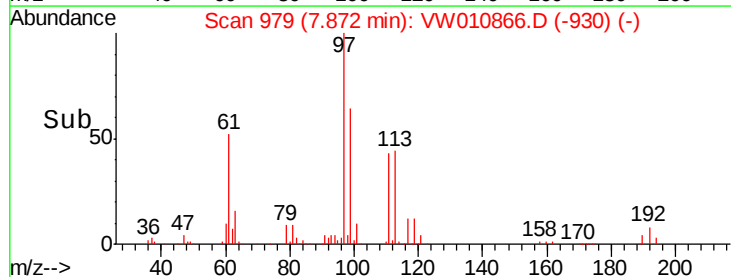
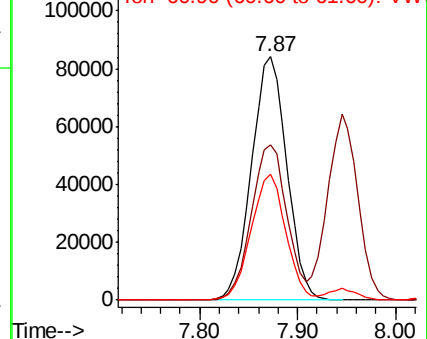
97 100

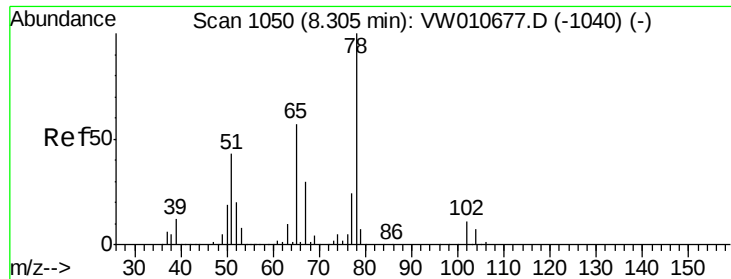
99 64.5 51.3 76.9

61 51.0 40.4 60.6



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: 53.391 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

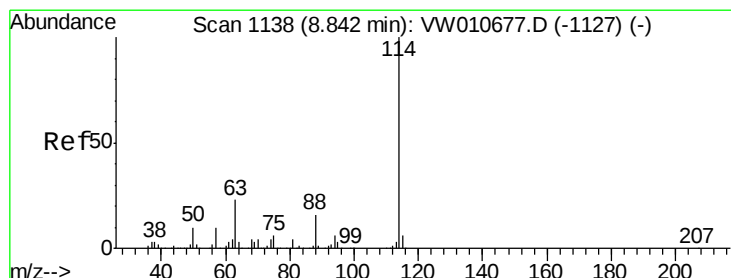
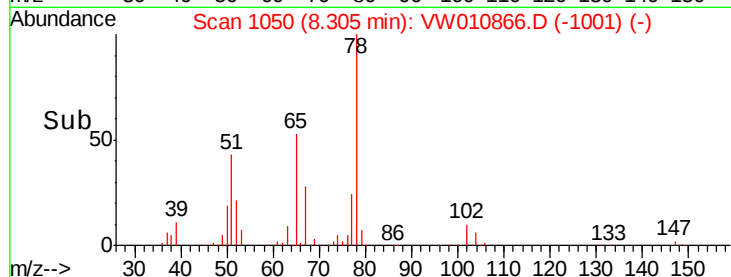
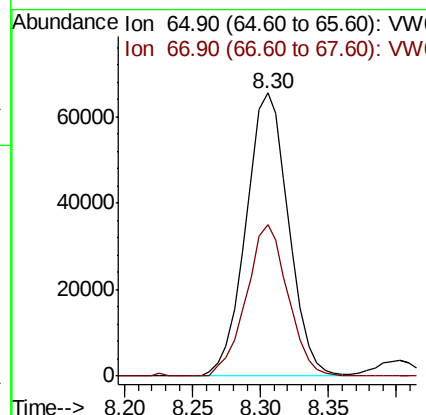
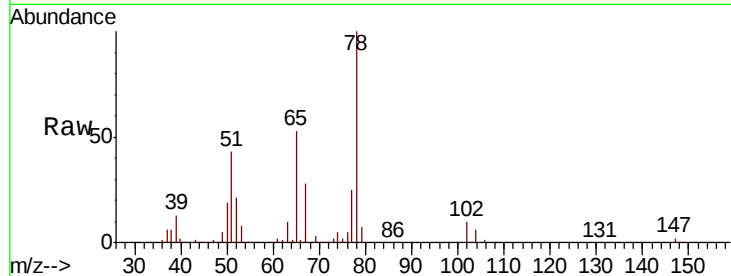
VSTDCCC050

Tot Ion: 65 Resp: 143023

Ion Ratio Lower Upper

65 100

67 52.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

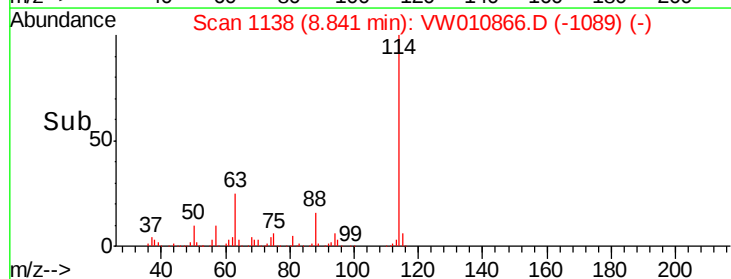
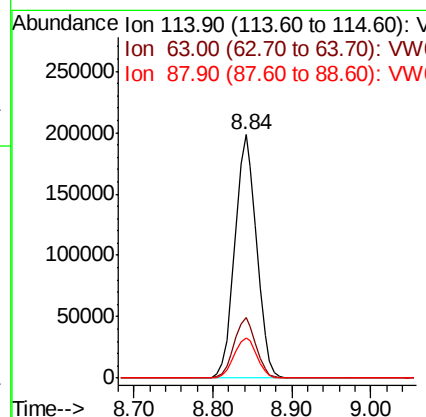
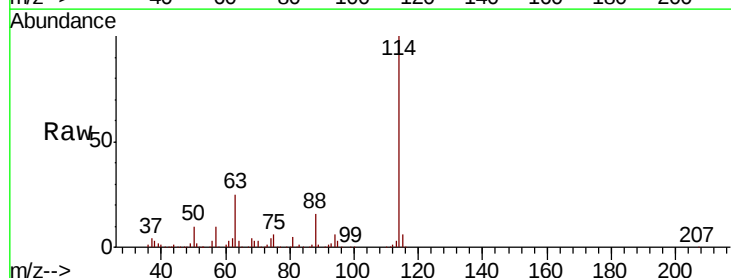
Tgt Ion: 114 Resp: 380333

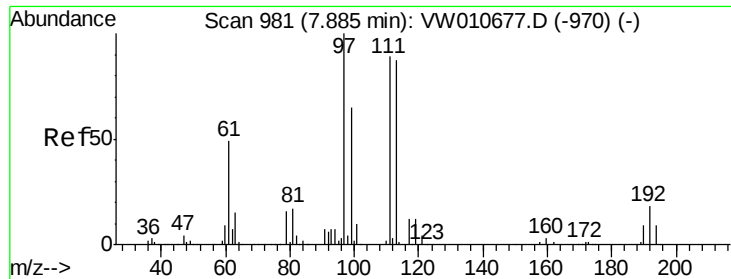
Ion Ratio Lower Upper

114 100

63 25.1 0.0 46.4

88 16.5 0.0 32.2

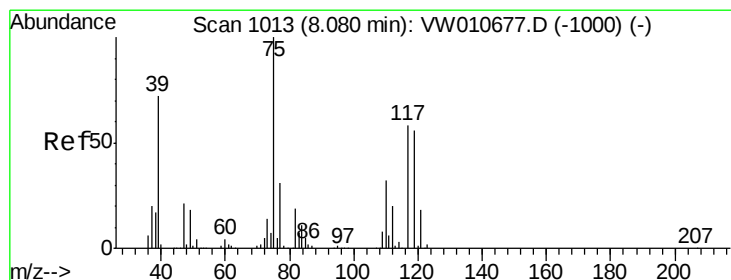
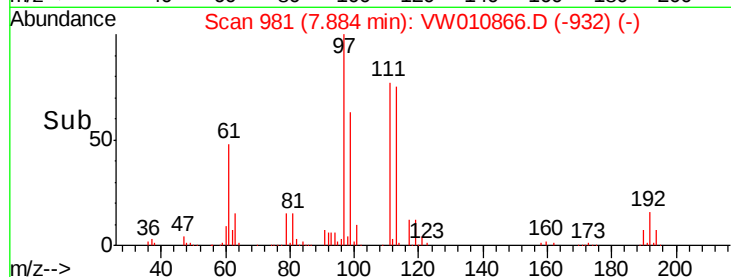
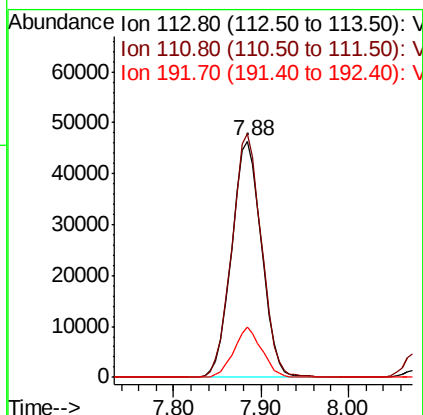
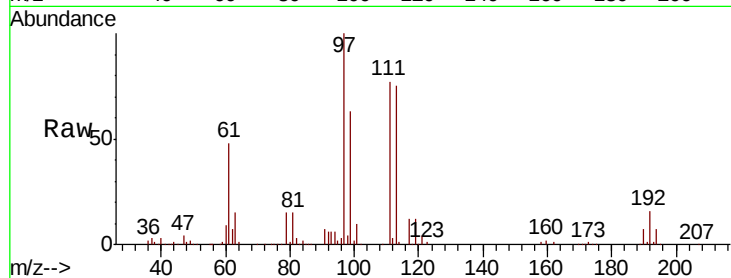




#35
 Dibromofluoromethane
 Concen: 53.439 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

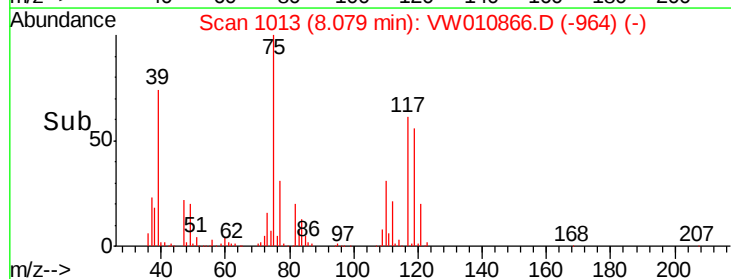
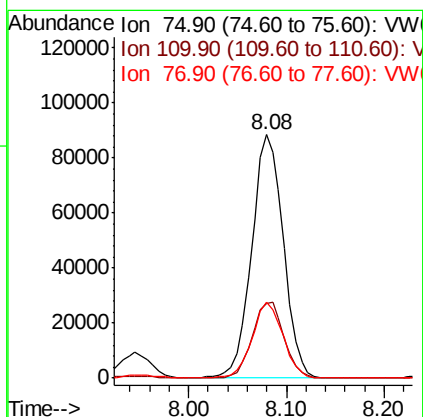
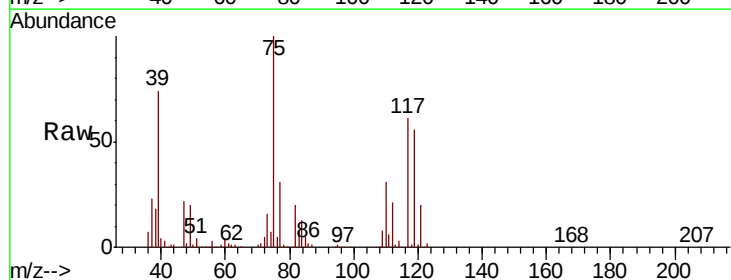
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

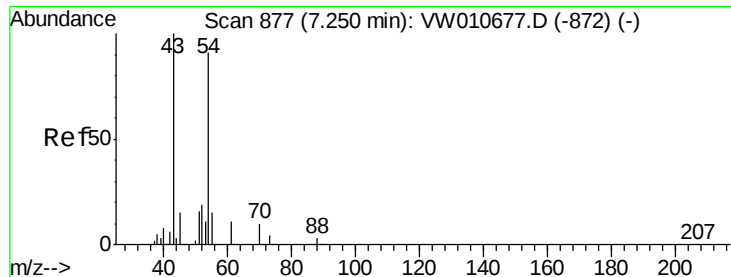
Tot Ion:113 Resp: 110318
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.6 123.8
 192 19.8 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 51.131 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 75 Resp: 199062
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.8 47.3
 77 30.6 24.7 37.1

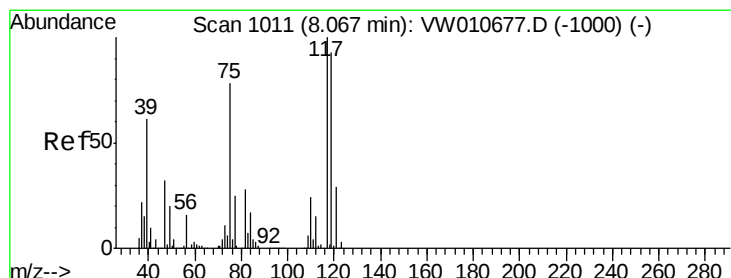
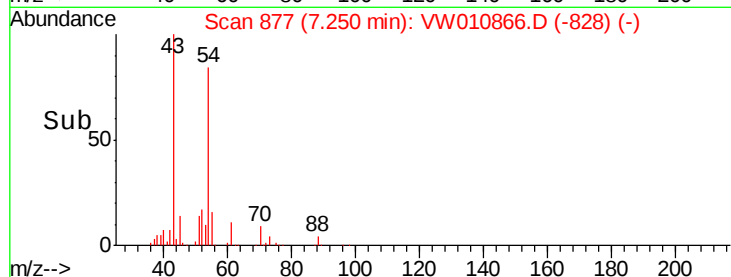
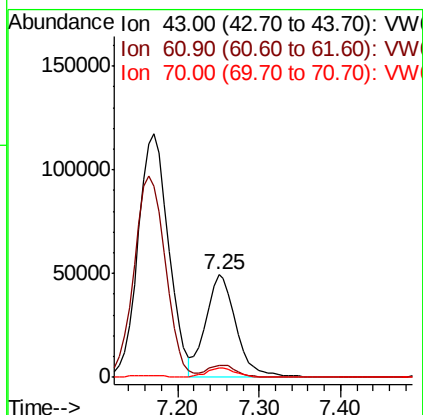
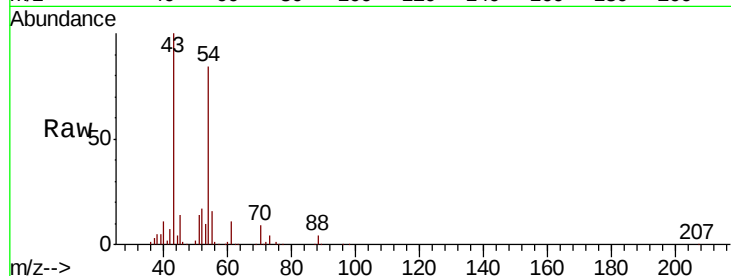




#37
Ethyl Acetate
Concen: 59.422 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

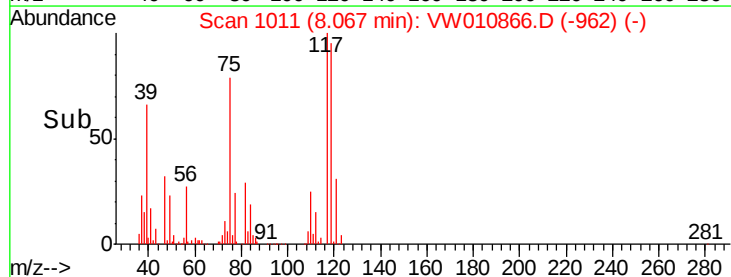
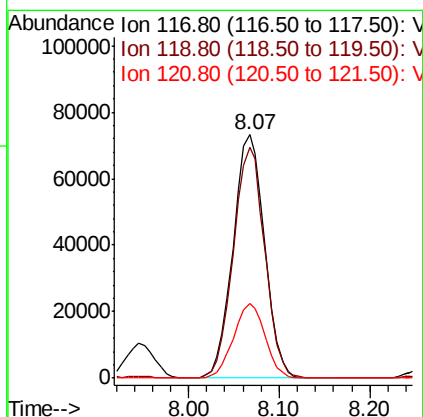
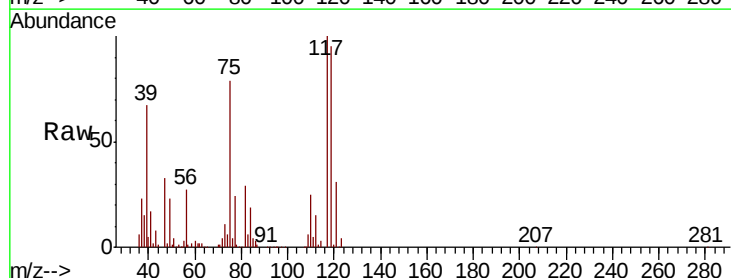
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

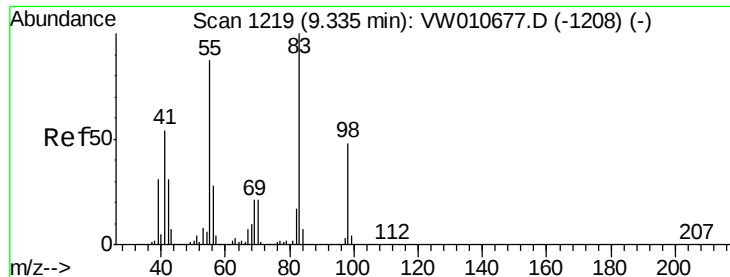
Tot Ion: 43 Resp: 128195
Ion Ratio Lower Upper
43 100
61 11.3 9.7 14.5
70 8.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.463 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 117 Resp: 176315
Ion Ratio Lower Upper
117 100
119 95.0 74.2 111.4
121 30.8 22.9 34.3

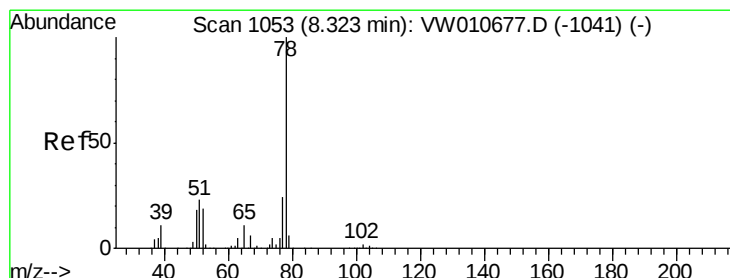
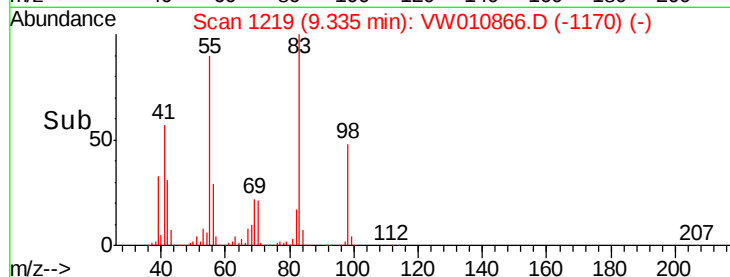
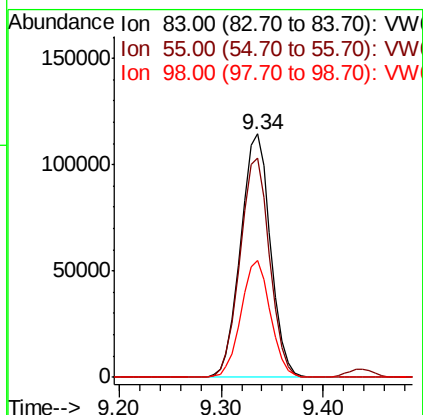
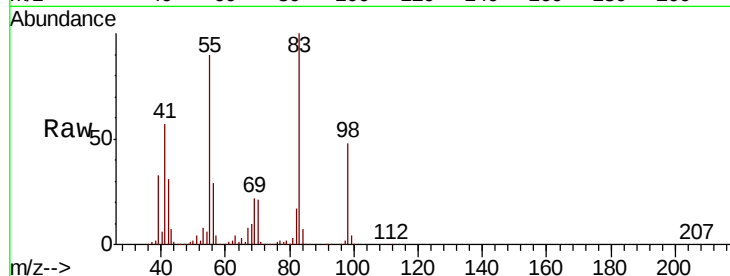




#39
Methvlcvclohexane
Concen: 47.013 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

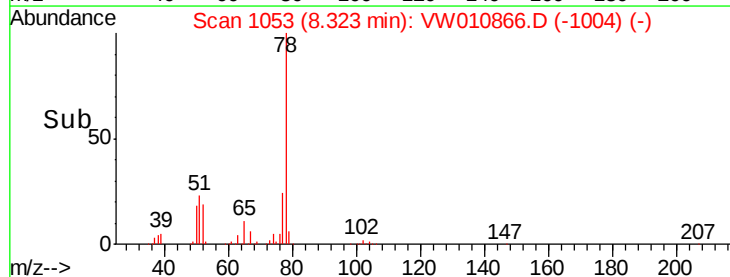
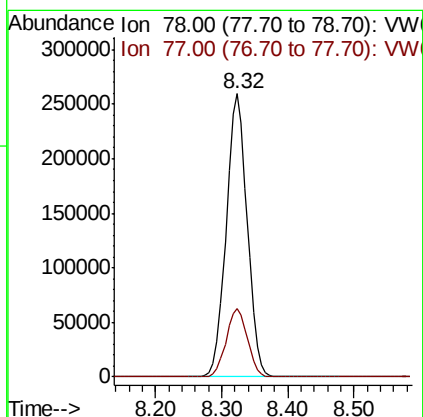
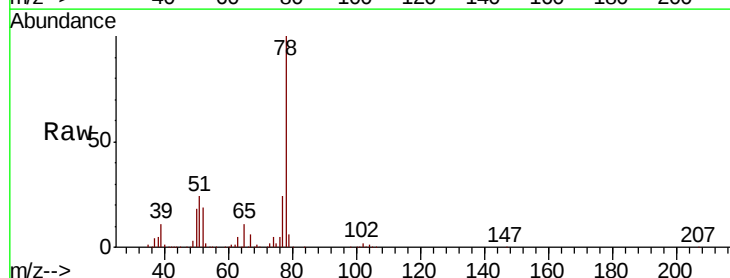
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

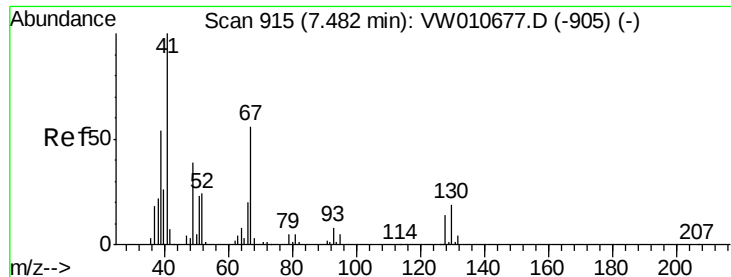
Tot Ion: 83 Resp: 232668
Ion Ratio Lower Upper
83 100
55 89.9 70.0 105.0
98 47.9 38.1 57.1



#40
Benzene
Concen: 53.424 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 78 Resp: 567396
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

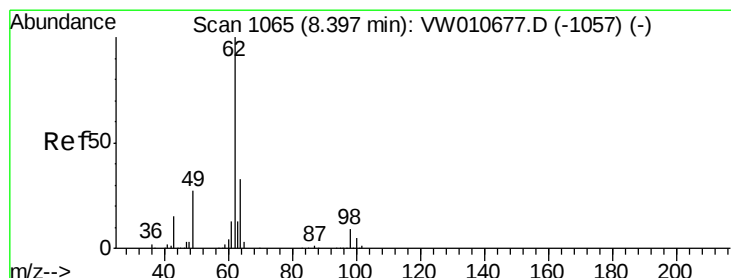
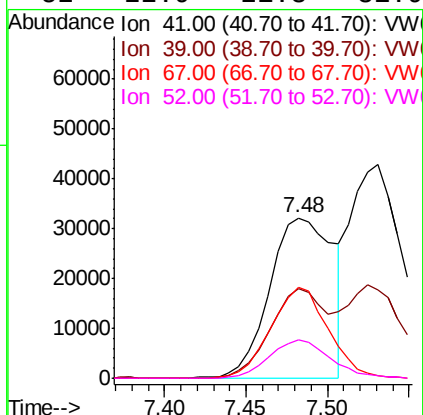
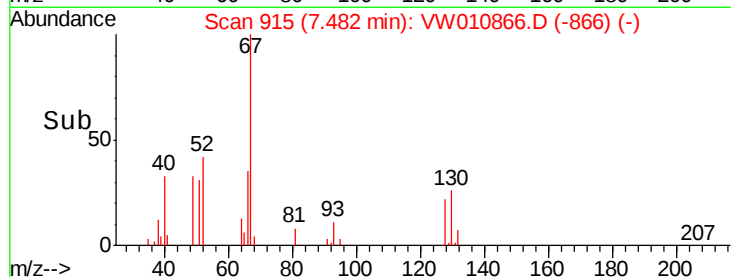
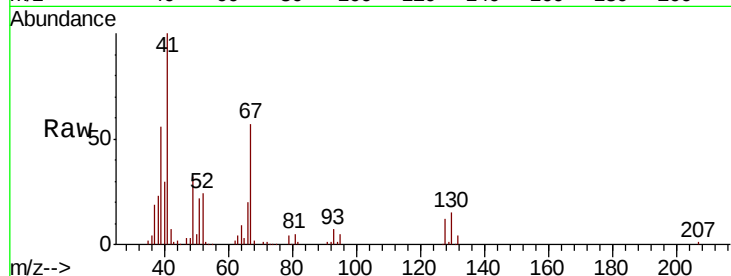




#41
Methacrylonitrile
Concen: 67.722 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

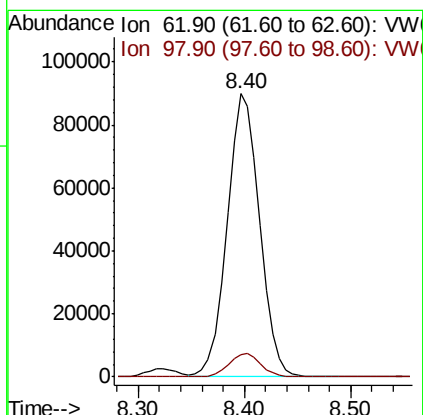
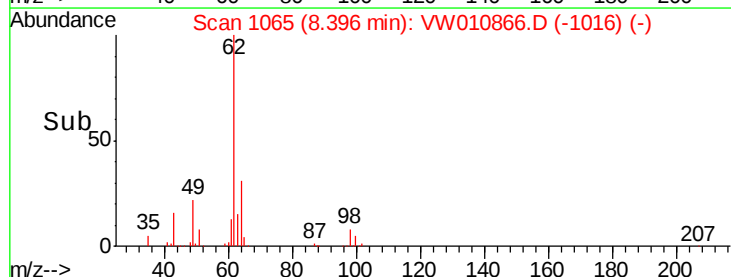
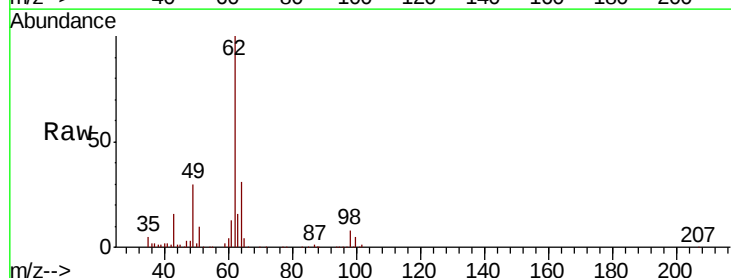
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

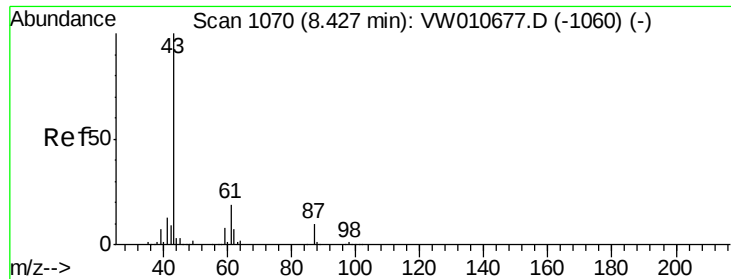
Tot Ion:	41	Resp:	86842
Ion	Ratio	Lower	Upper
41	100		
39	46.8	47.3	70.9#
67	51.7	47.2	70.8
52	22.9	21.3	31.9



#42
1,2-Dichloroethane
Concen: 56.756 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:	62	Resp:	191313
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 59.242 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

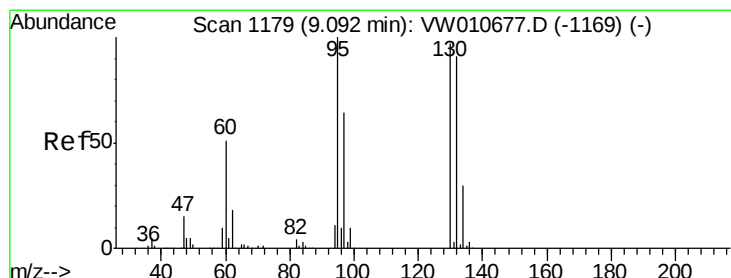
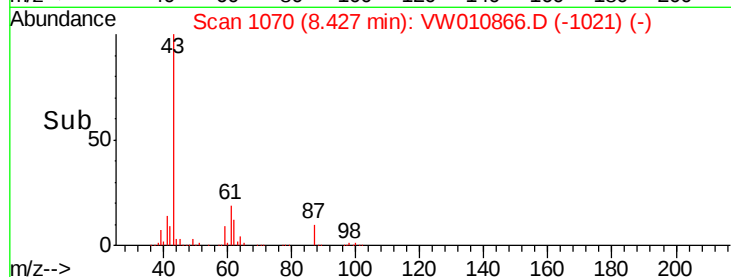
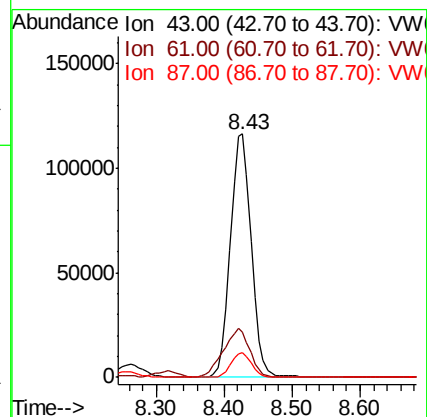
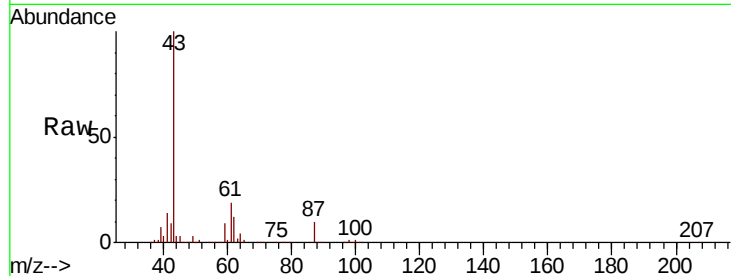
Tot Ion: 43 Resp: 246912

Ion Ratio Lower Upper

43 100

61 25.7 21.2 31.8

87 10.1 8.3 12.5



#44

Trichloroethene

Concen: 52.415 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010866.D

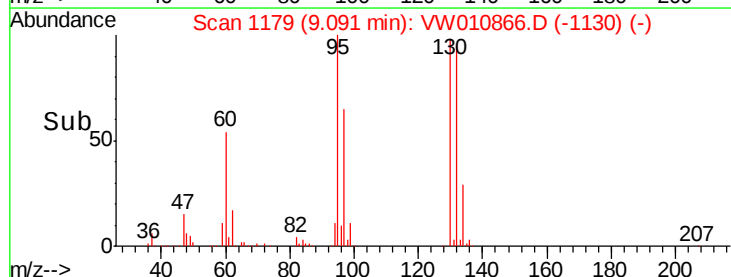
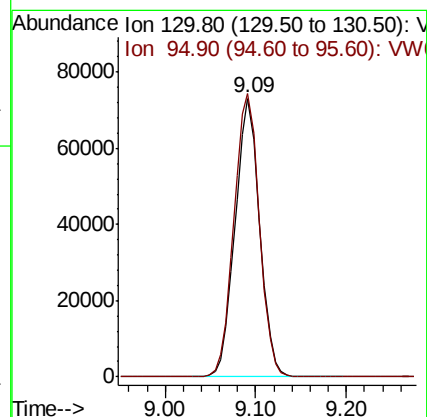
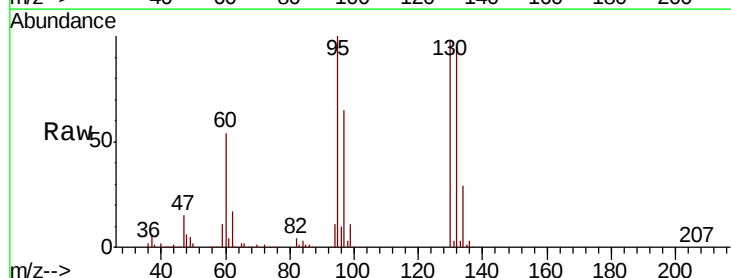
Acq: 20 Jun 2019 00:01

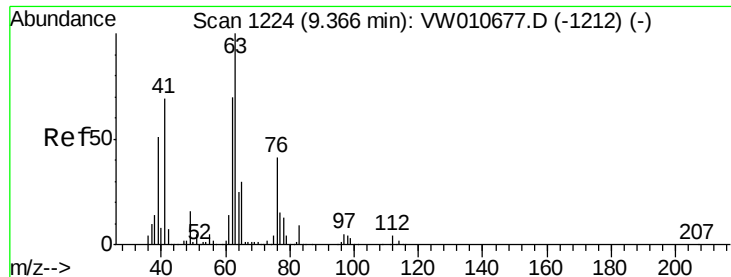
Tgt Ion: 130 Resp: 137321

Ion Ratio Lower Upper

130 100

95 101.6 0.0 207.0





#45

1,2-Dichloropropane

Concen: 55.895 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

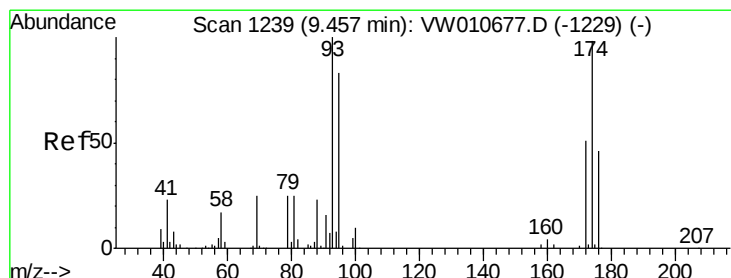
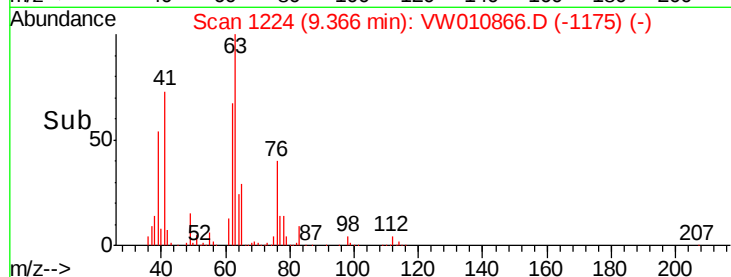
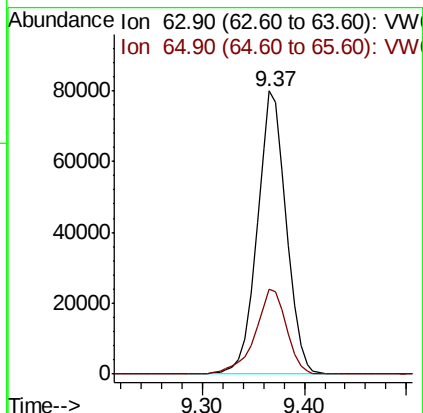
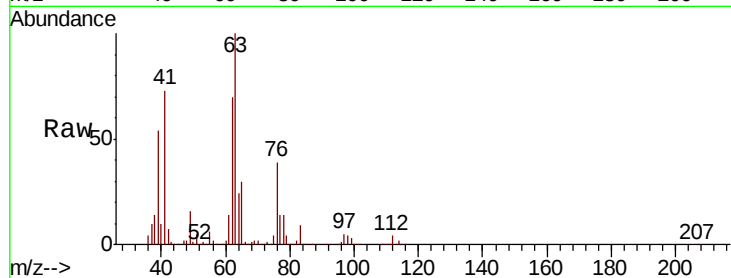
VSTDCCC050

Tot Ion: 63 Resp: 157146

Ion Ratio Lower Upper

63 100

65 29.8 23.8 35.6



#46

Dibromomethane

Concen: 55.961 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

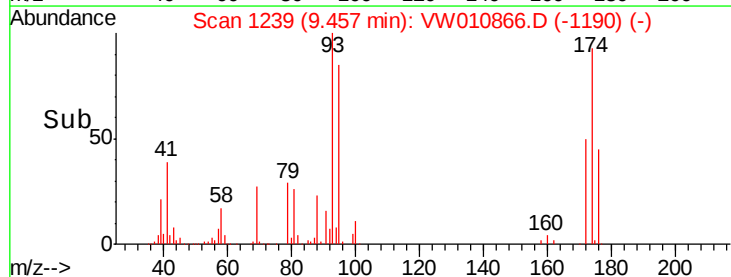
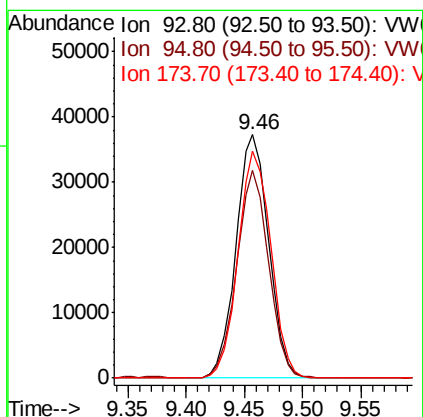
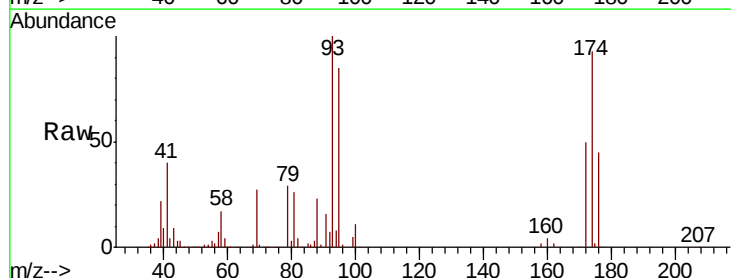
Tgt Ion: 93 Resp: 73076

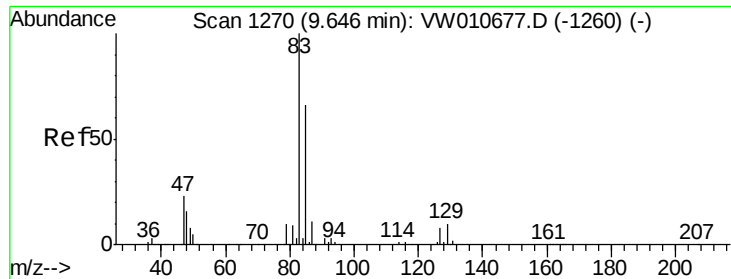
Ion Ratio Lower Upper

93 100

95 83.3 65.8 98.8

174 93.7 77.4 116.0





#47

Bromodichloromethane

Concen: 56.554 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

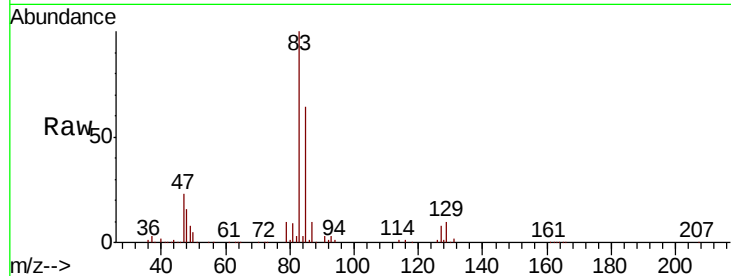
Tot Ion: 83 Resp: 191435

Ion Ratio Lower Upper

83 100

85 63.5 53.0 79.4

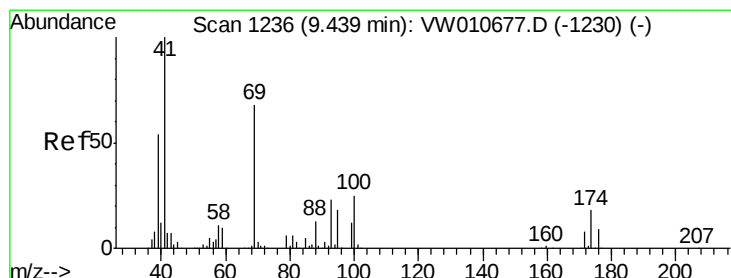
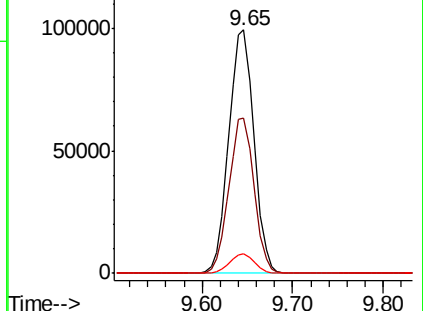
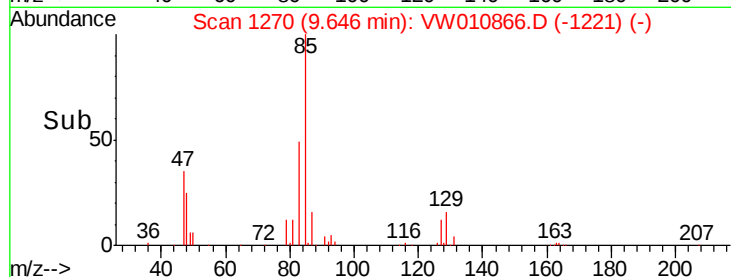
127 7.9 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 59.659 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

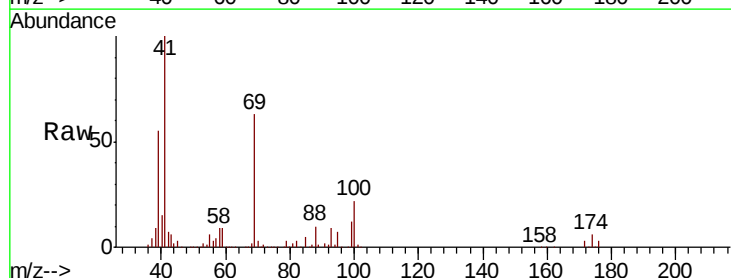
Tgt Ion: 41 Resp: 119887

Ion Ratio Lower Upper

41 100

69 69.5 56.6 85.0

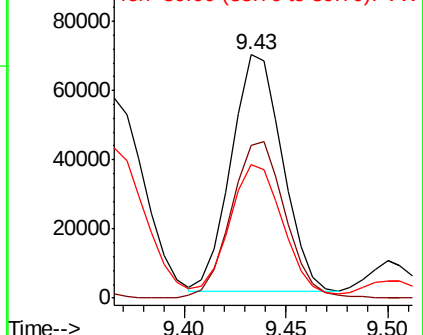
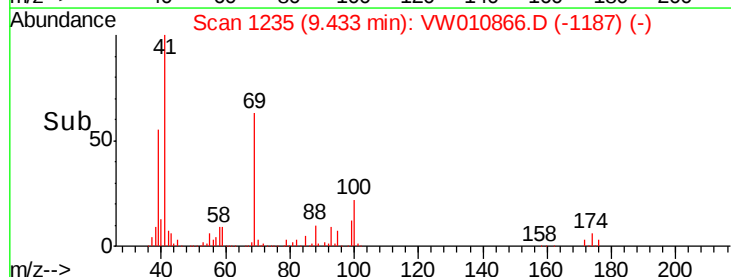
39 59.6 44.4 66.6

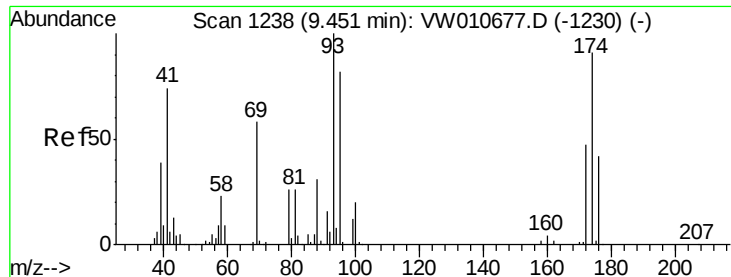


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1189.053 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

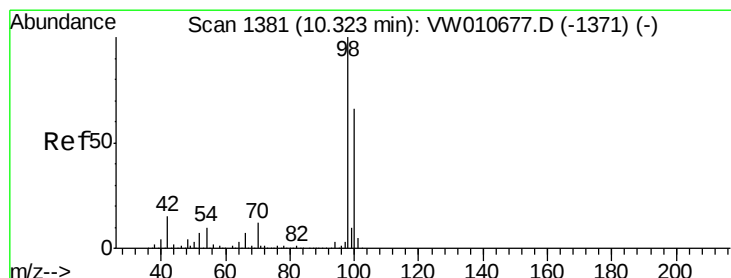
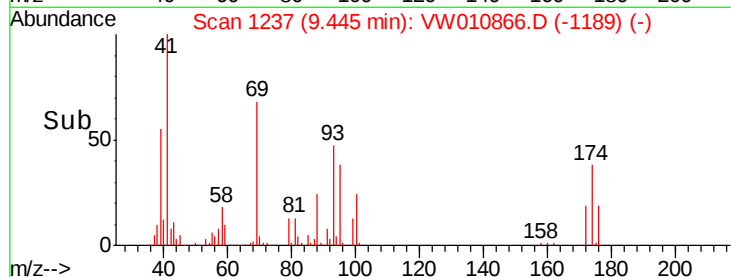
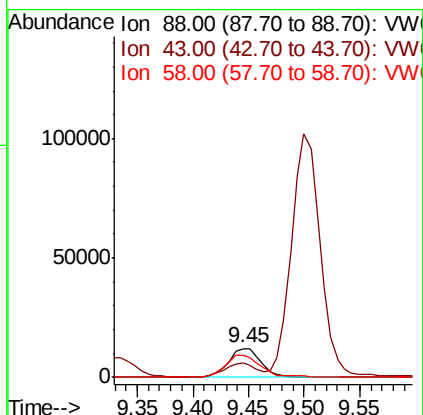
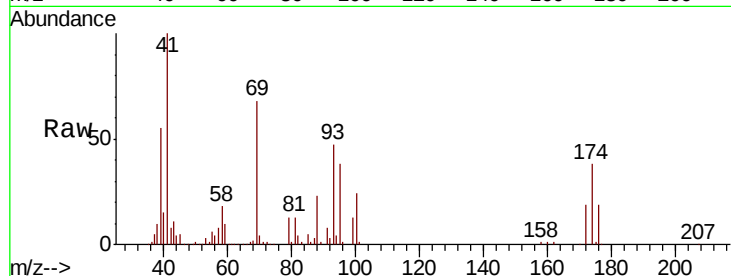
Tot Ion: 88 Resp: 24276

Ion Ratio Lower Upper

88 100

43 45.9 34.2 51.4

58 84.8 69.0 103.4



#50

Toluene-d8

Concen: 49.120 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010866.D

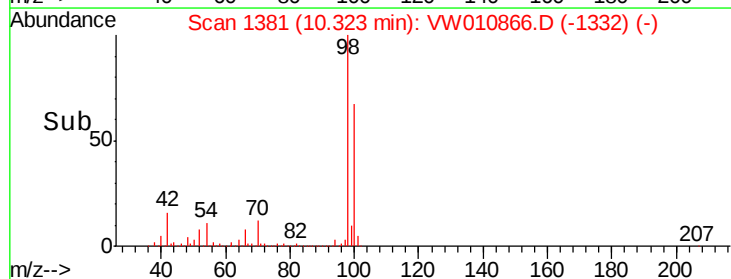
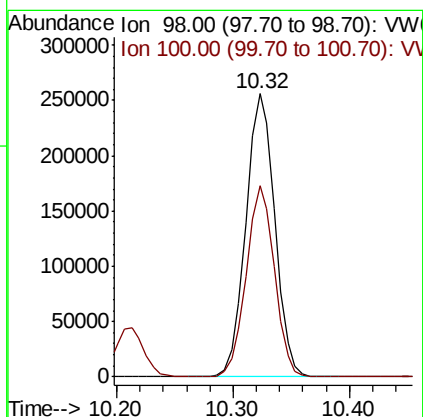
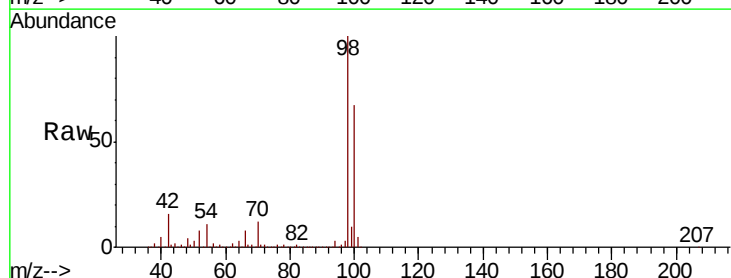
Acq: 20 Jun 2019 00:01

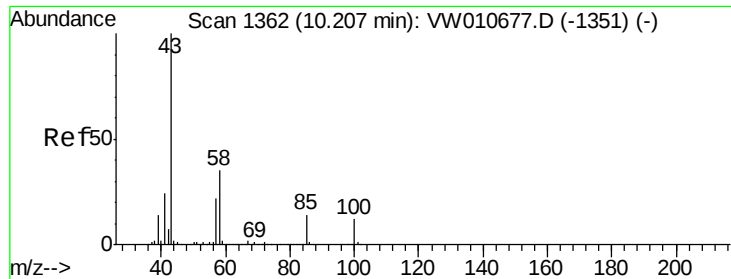
Tgt Ion: 98 Resp: 444660

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6

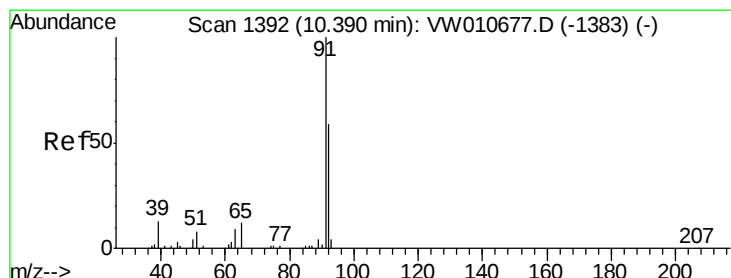
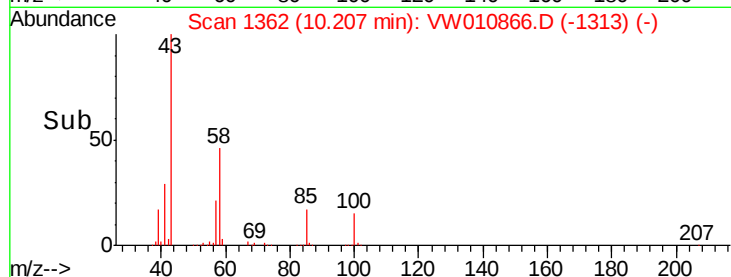
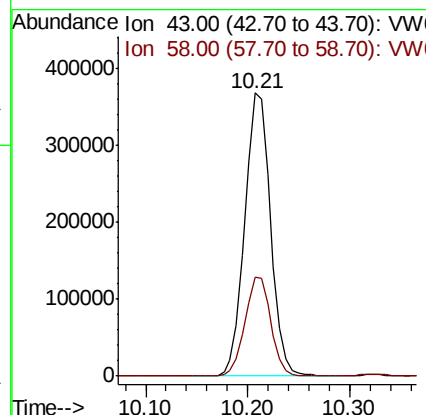
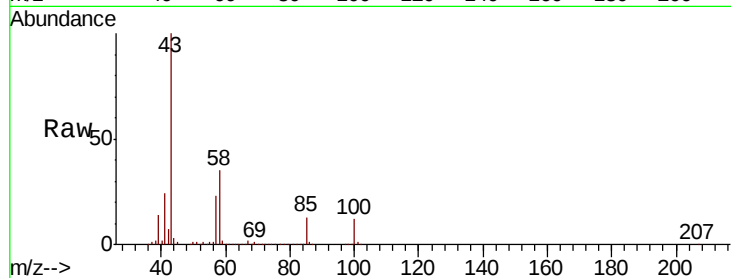




#51
 4-Methyl-2-Pentanone
 Concen: 303.253 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

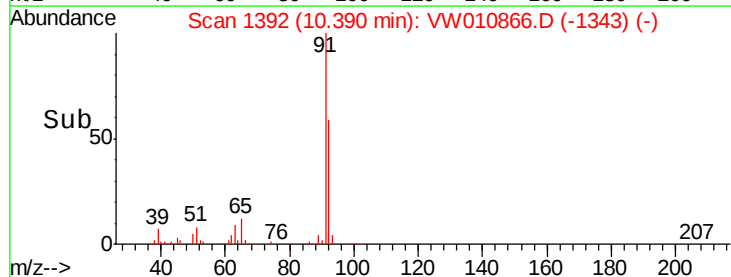
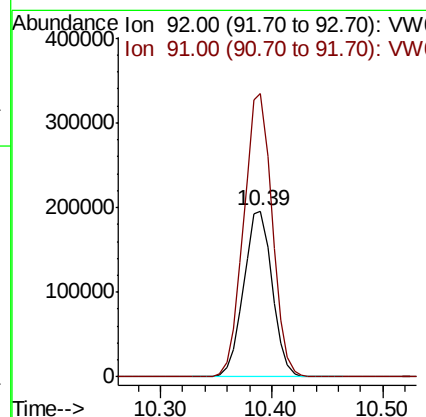
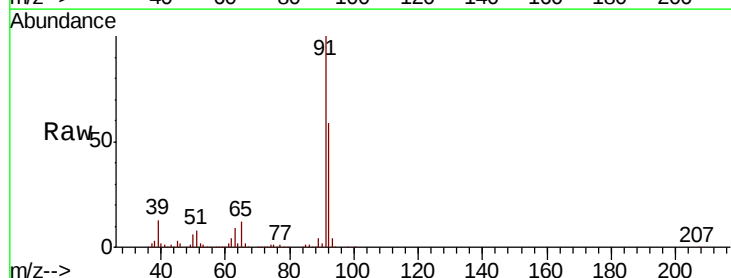
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

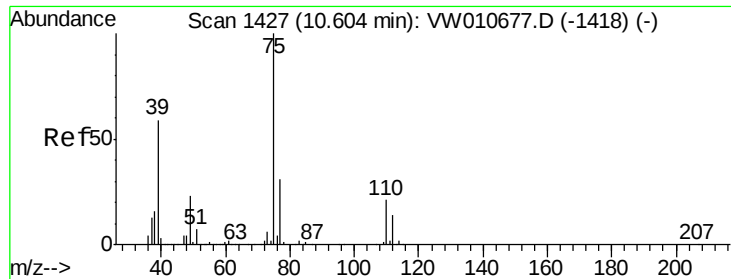
Tot Ion: 43 Resp: 645699
 Ion Ratio Lower Upper
 43 100
 58 35.0 28.4 42.6



#52
 Toluene
 Concen: 53.161 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 92 Resp: 347393
 Ion Ratio Lower Upper
 92 100
 91 170.9 134.9 202.3

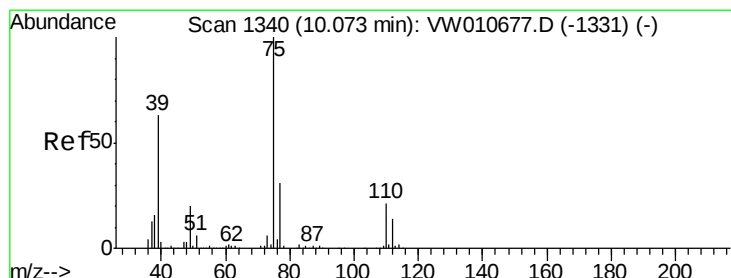
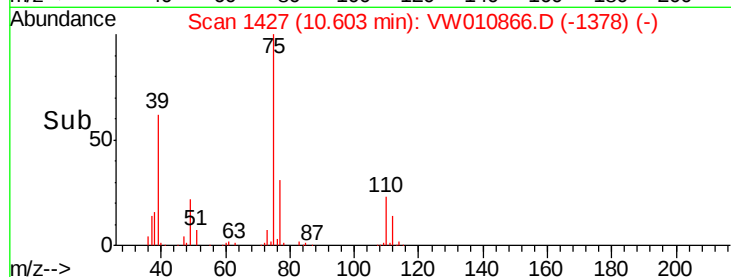
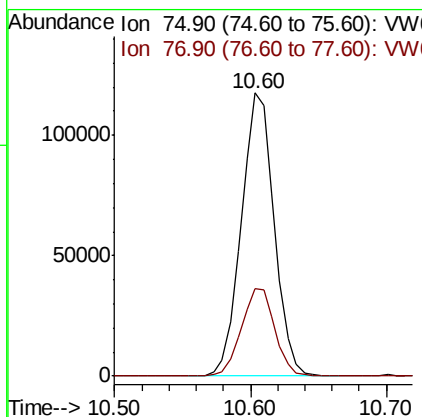
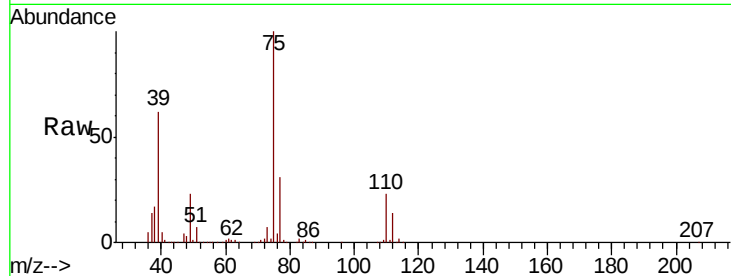




#53
t-1,3-Dichloropropene
Concen: 55.225 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

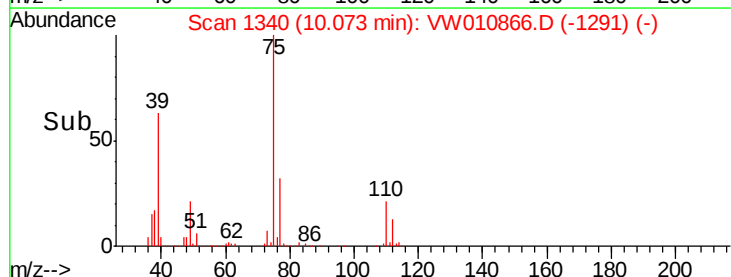
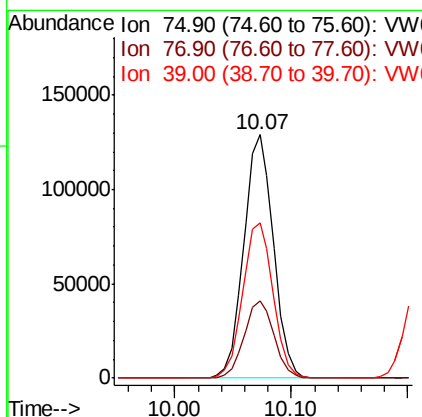
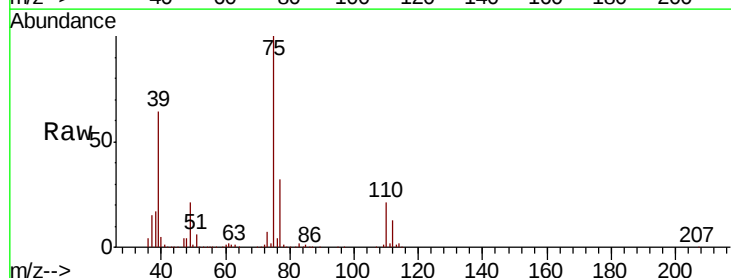
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

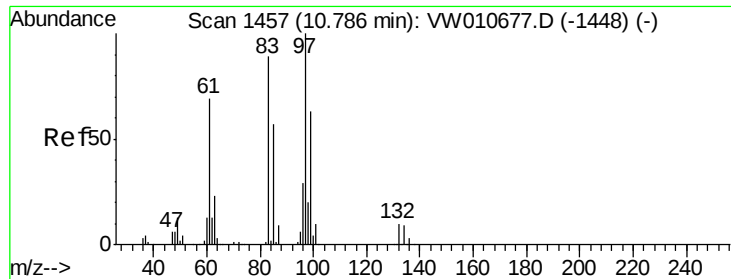
Tot Ion: 75 Resp: 197999
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8



#54
cis-1,3-Dichloropropene
Concen: 54.237 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 75 Resp: 228822
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8
39 63.5 50.1 75.1

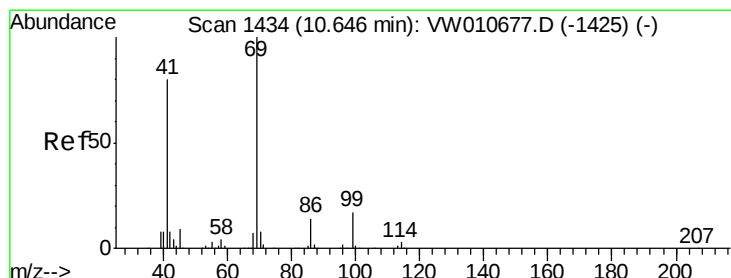
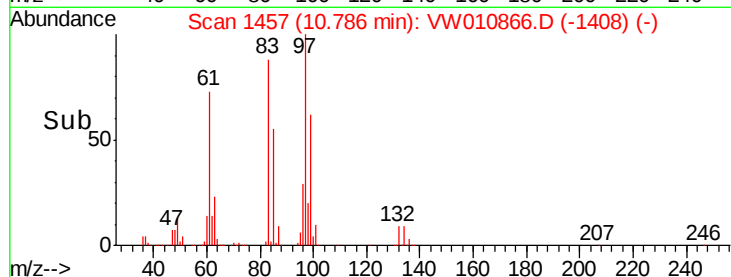
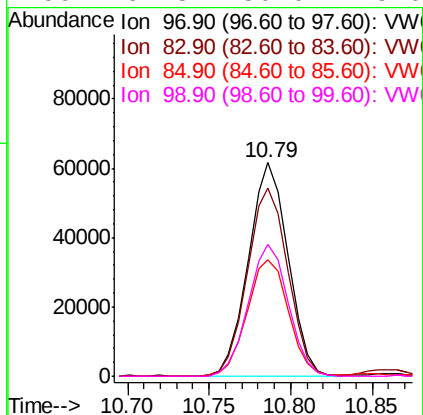
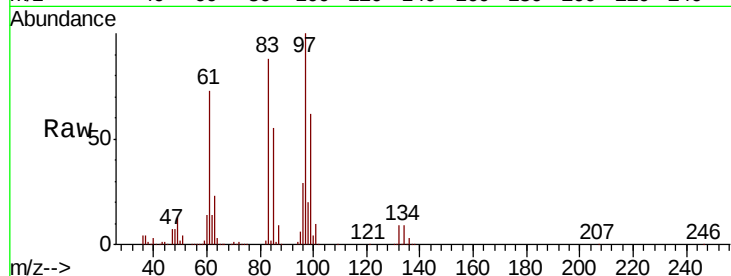




#55
 1,1,2-Trichloroethane
 Concen: 55.862 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

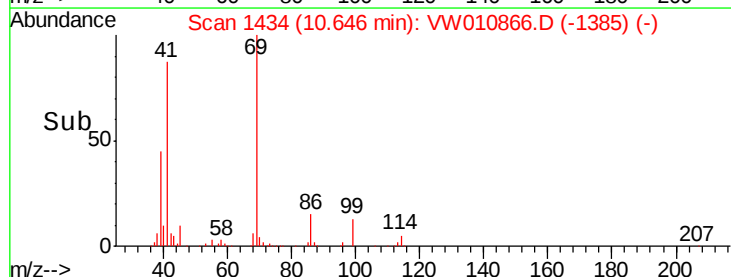
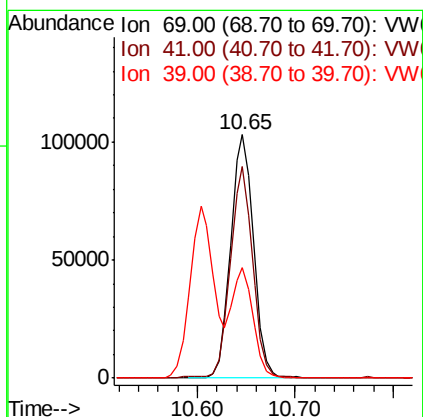
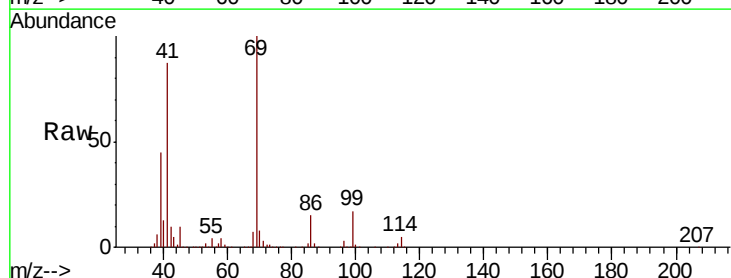
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

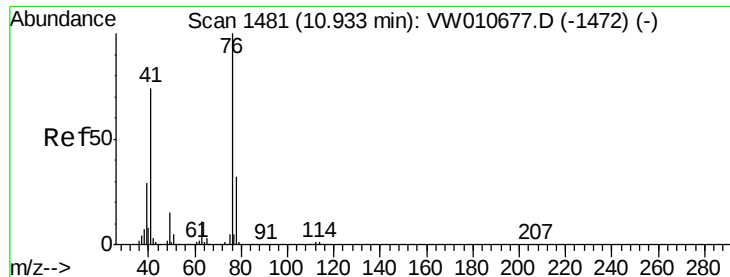
Tot Ion:	97	Resp:	105087
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.1	106.7
85	54.7	45.2	67.8
99	61.8	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 57.847 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion:	69	Resp:	167449
Ion	Ratio	Lower	Upper
69	100		
41	84.9	64.8	97.2
39	41.2	32.2	48.2

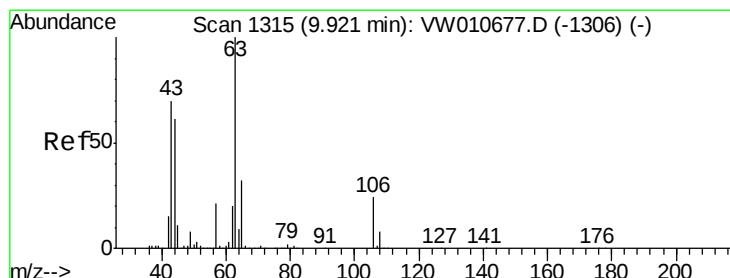
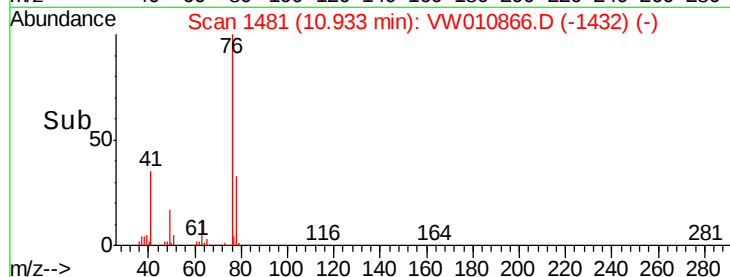
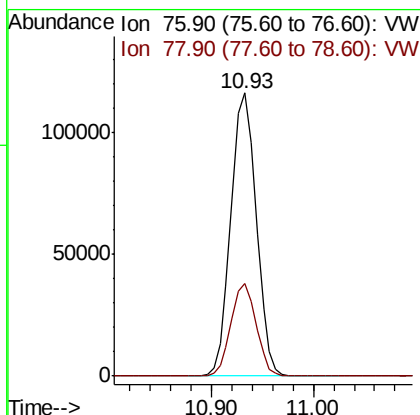
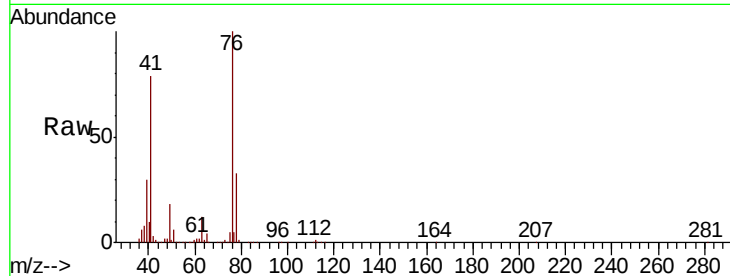




#57
 1,3-Dichloropropane
 Concen: 56.591 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

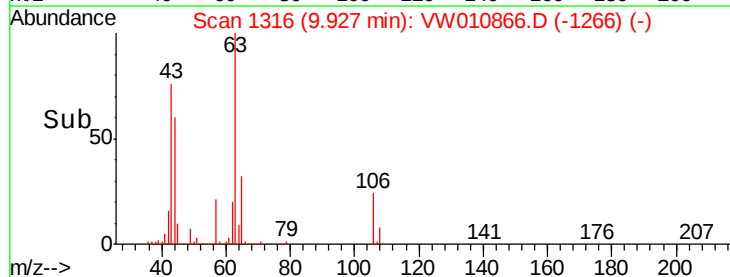
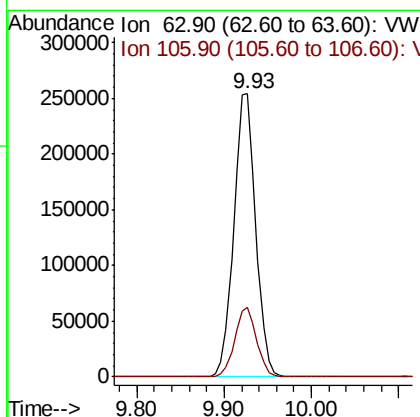
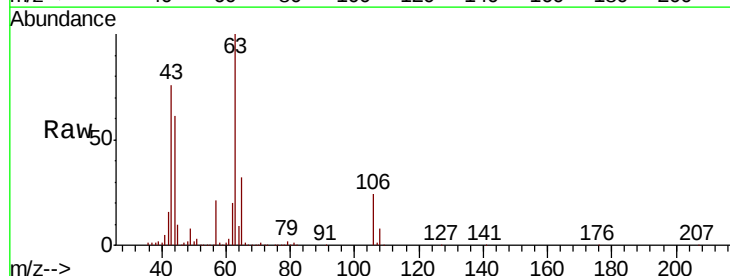
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

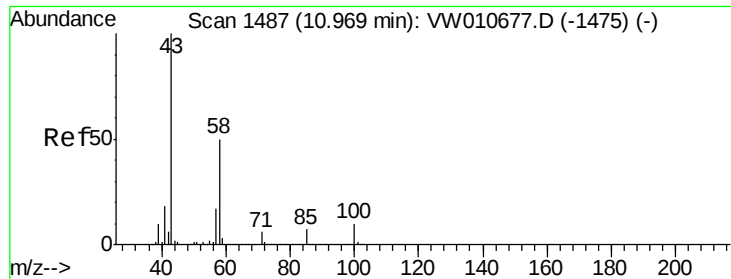
Tot Ion: 76 Resp: 200625
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.235 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 63 Resp: 444592
 Ion Ratio Lower Upper
 63 100
 106 24.3 20.1 30.1

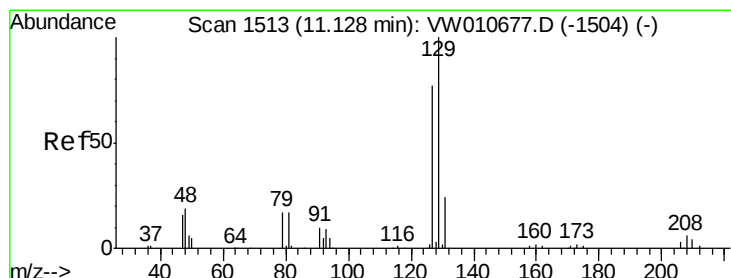
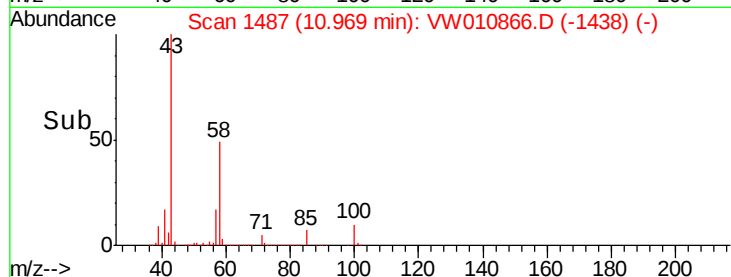
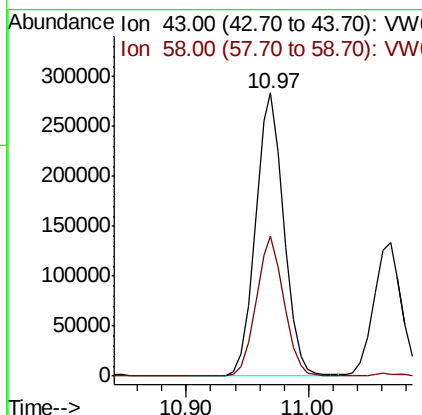
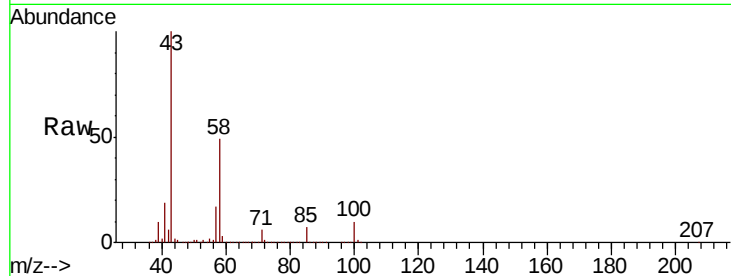




#59
2-Hexanone
Concen: 295.907 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

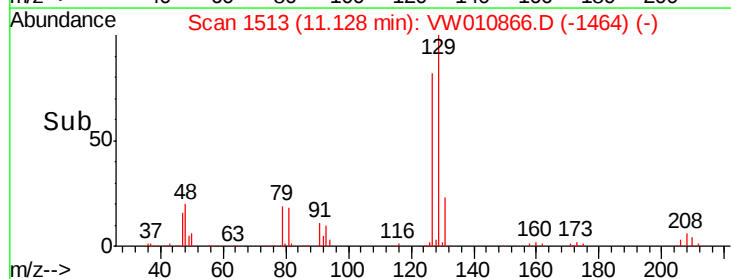
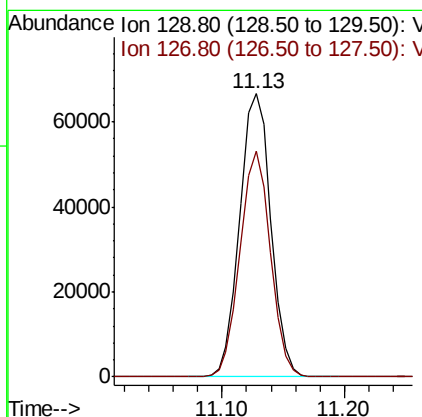
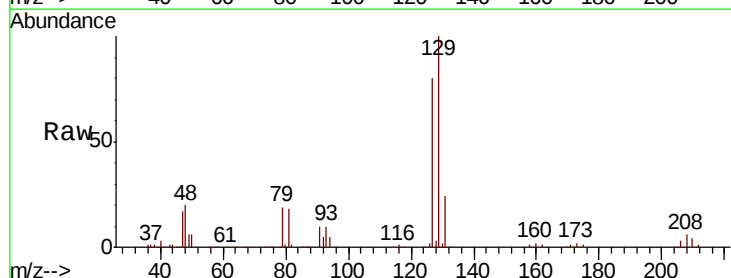
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

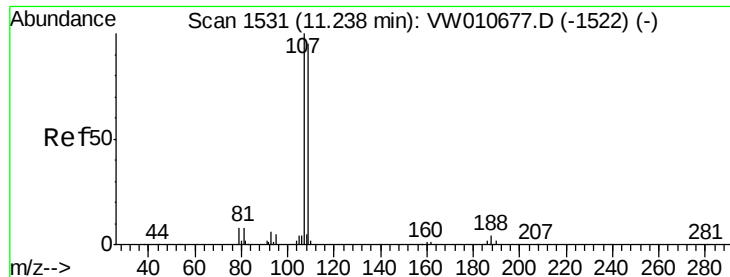
Tot Ion: 43 Resp: 455358
Ion Ratio Lower Upper
43 100
58 48.7 24.9 74.6



#60
Dibromochloromethane
Concen: 56.570 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion: 129 Resp: 117970
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0

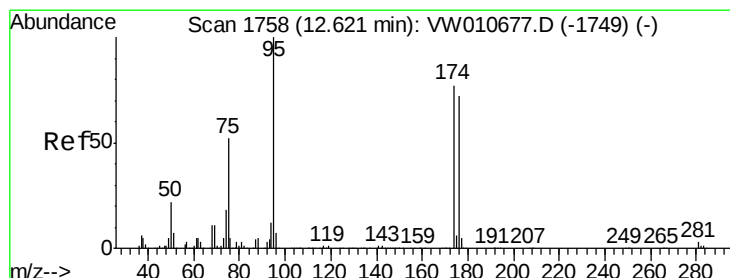
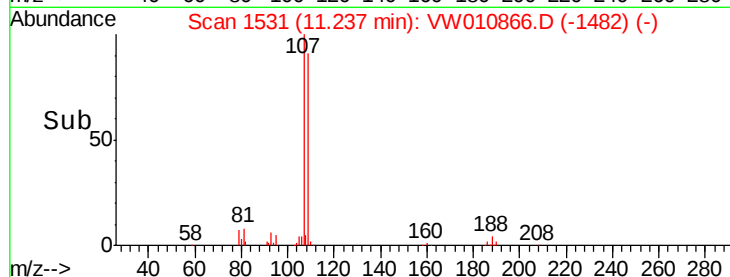
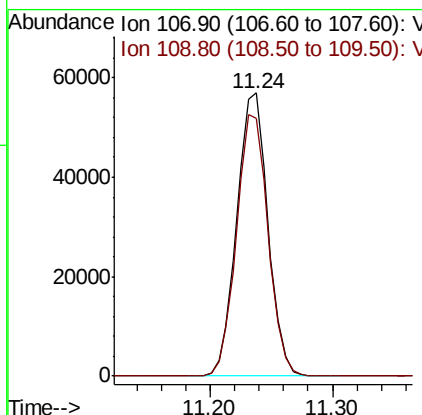
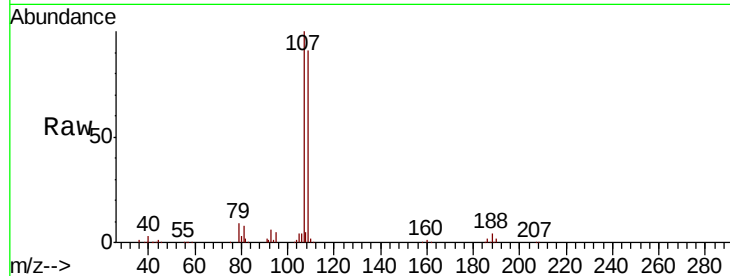




#61
 1,2-Dibromoethane
 Concen: 56.394 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

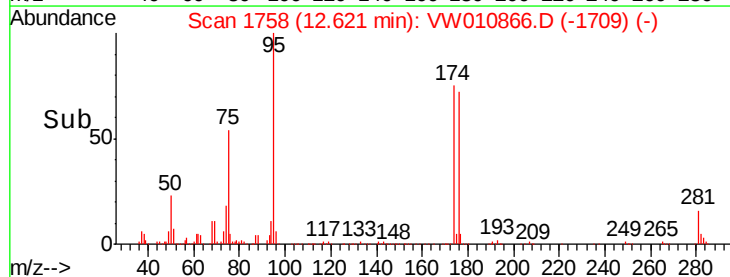
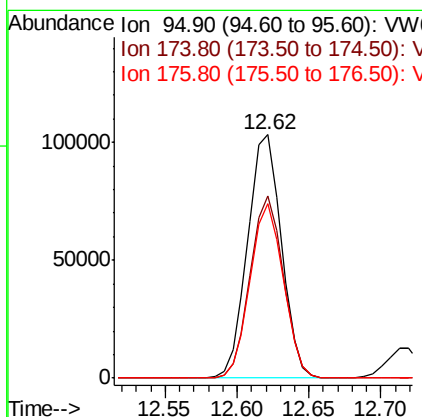
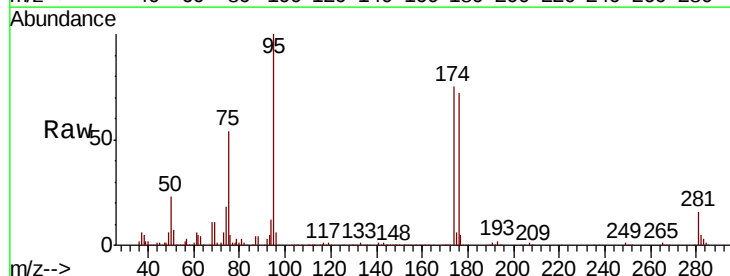
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

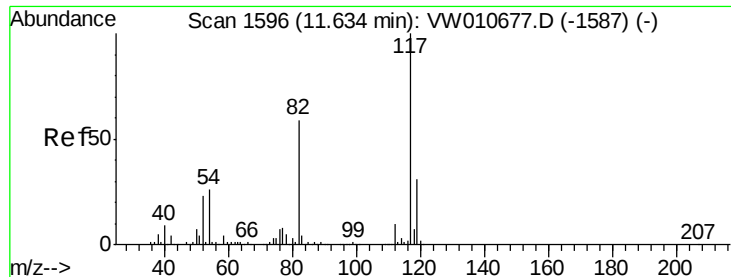
Tot Ion: 107 Resp: 100515
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.8 113.8



#62
 4-Bromofluorobenzene
 Concen: 50.908 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion: 95 Resp: 167696
 Ion Ratio Lower Upper
 95 100
 174 73.3 0.0 150.4
 176 70.8 0.0 144.8

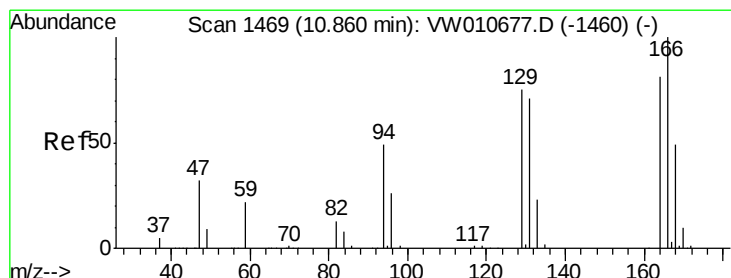
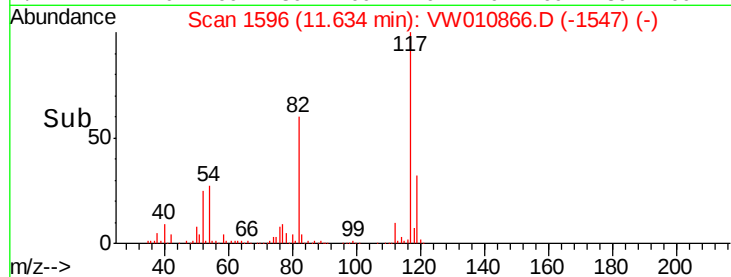
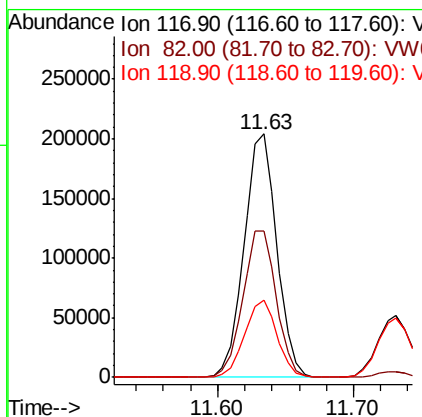
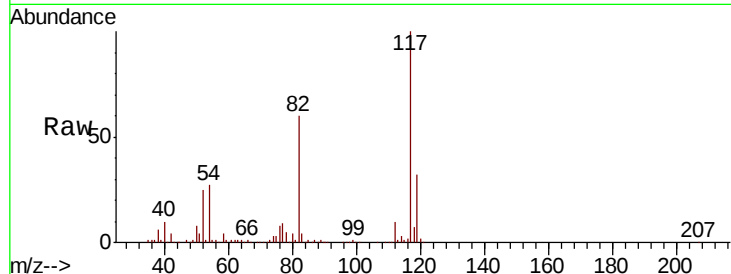




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

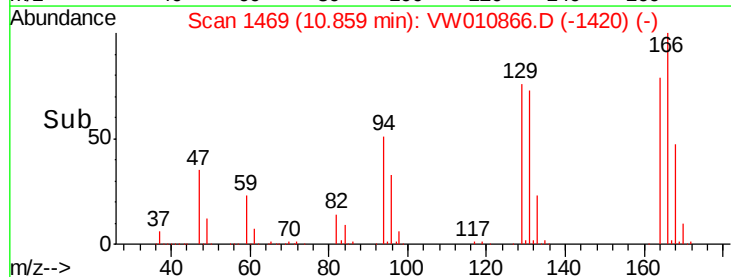
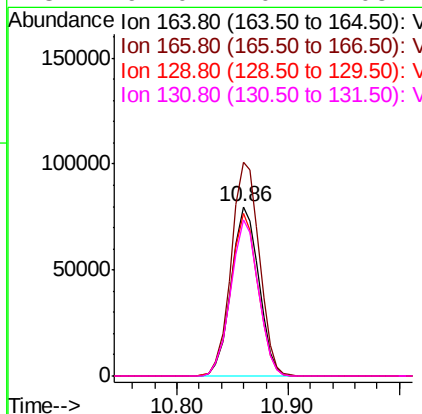
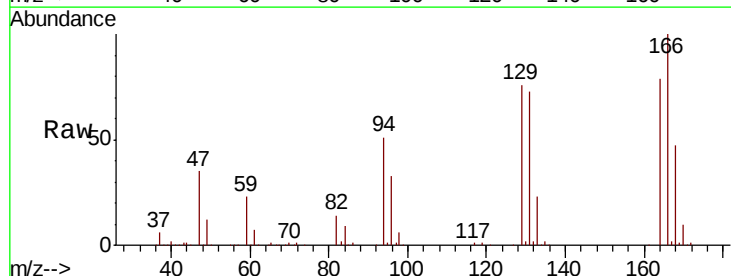
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

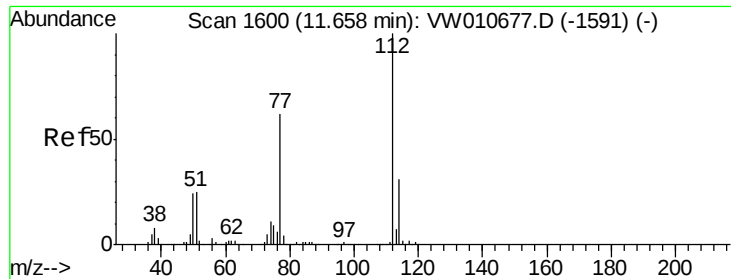
Tot Ion:117 Resp: 342470
Ion Ratio Lower Upper
117 100
82 60.0 47.0 70.4
119 31.8 25.1 37.7



#64
Tetrachloroethene
Concen: 60.150 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:164 Resp: 136772
Ion Ratio Lower Upper
164 100
166 126.1 99.2 148.8
129 96.4 74.6 112.0
131 92.0 70.2 105.4

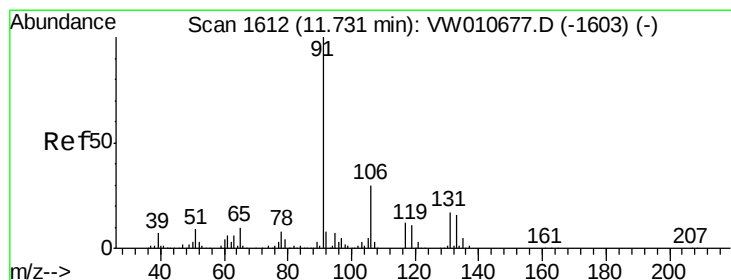
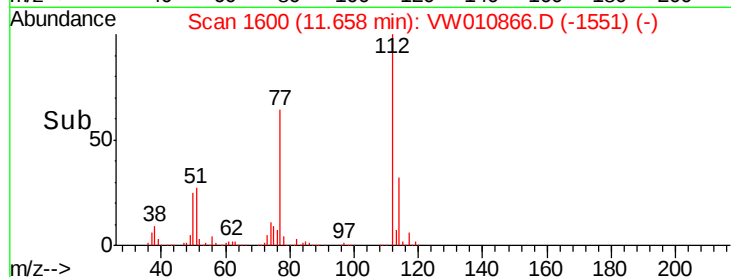
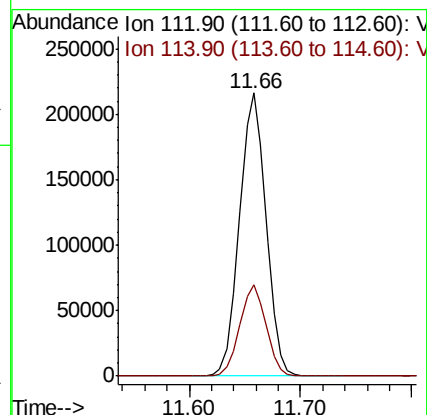
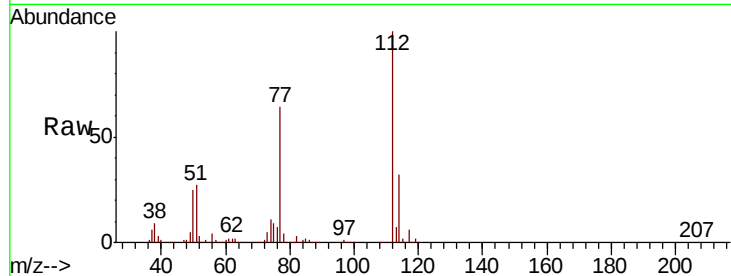




#65
Chlorobenzene
Concen: 52.930 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

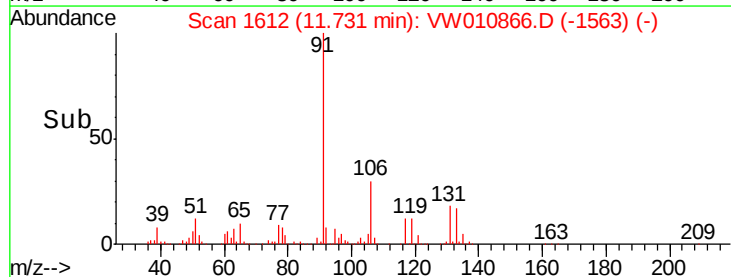
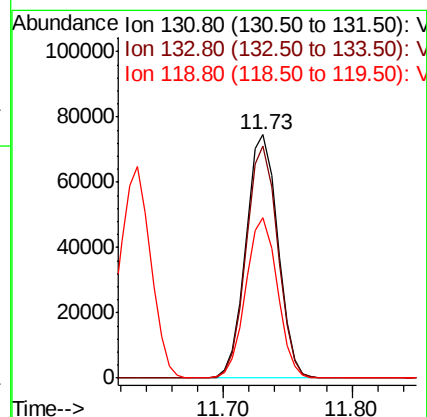
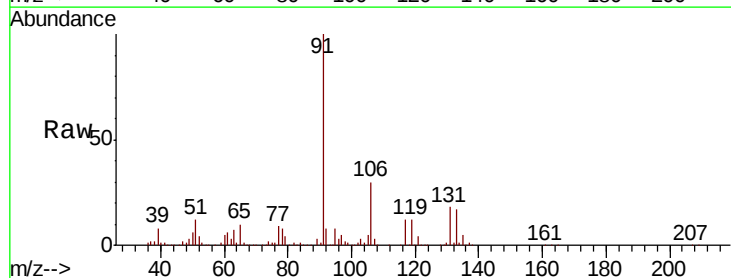
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

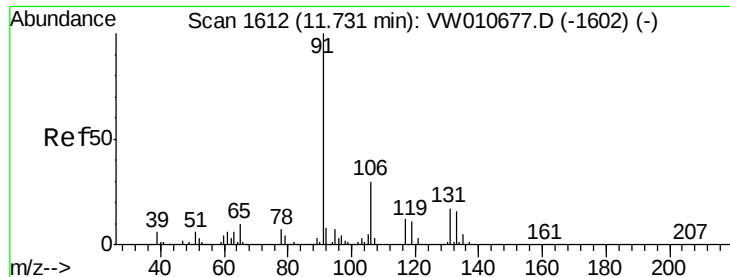
Tot Ion:112 Resp: 356463
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 54.794 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:131 Resp: 127742
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.3 32.4 97.0

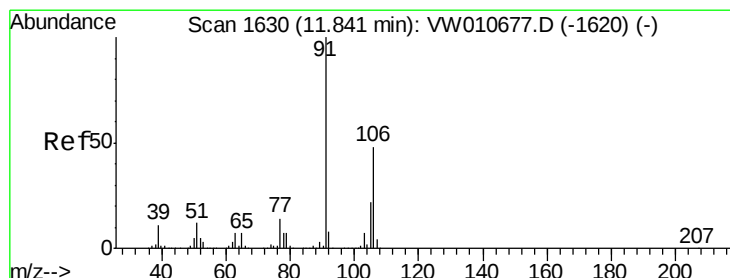
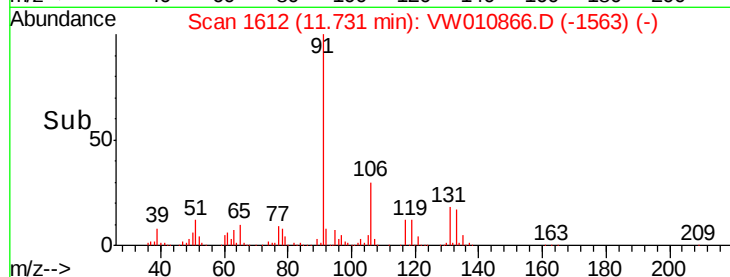
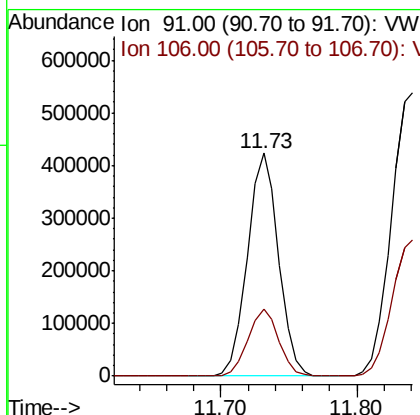
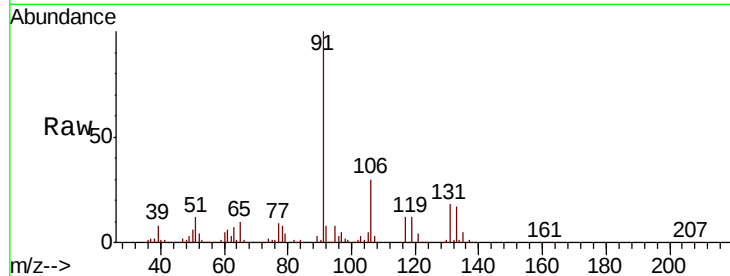




#67
Ethyl Benzene
Concen: 52.186 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

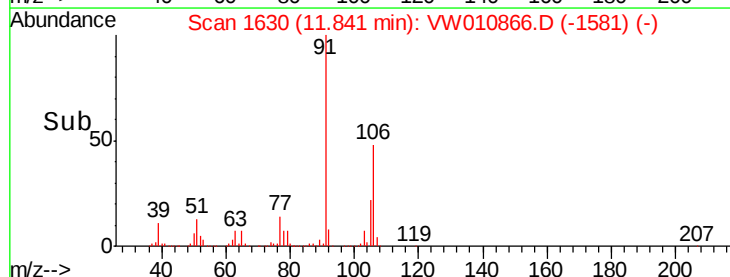
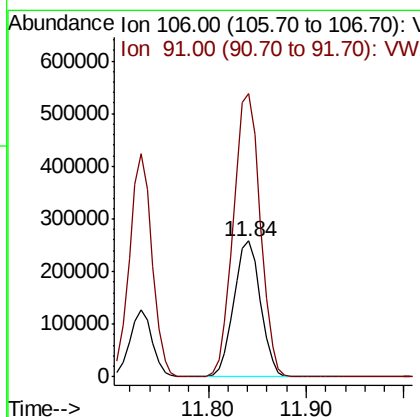
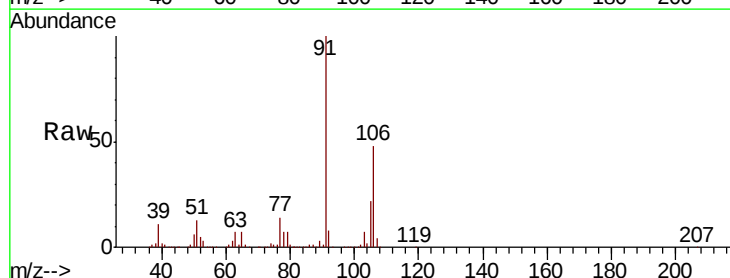
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

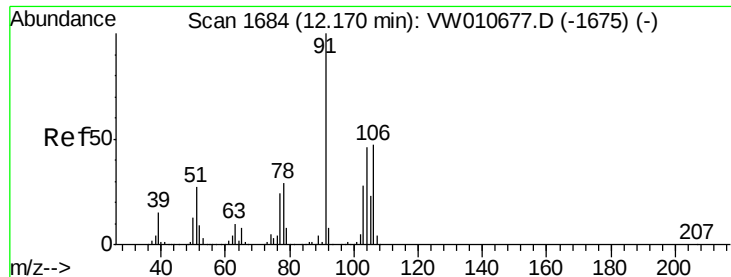
Tot Ion: 91 Resp: 675441
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4



#68
m/p-Xylenes
Concen: 105.517 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:106 Resp: 488884
Ion Ratio Lower Upper
106 100
91 210.2 166.5 249.7

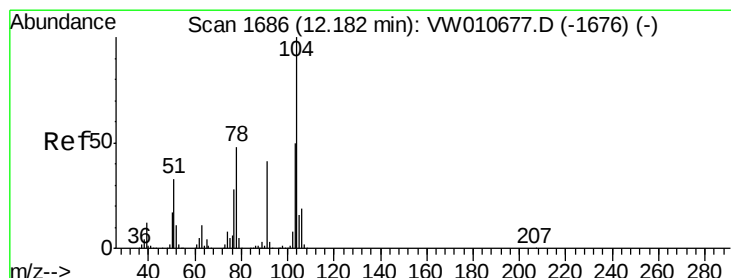
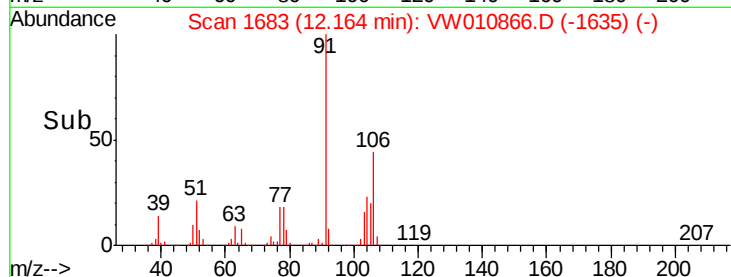
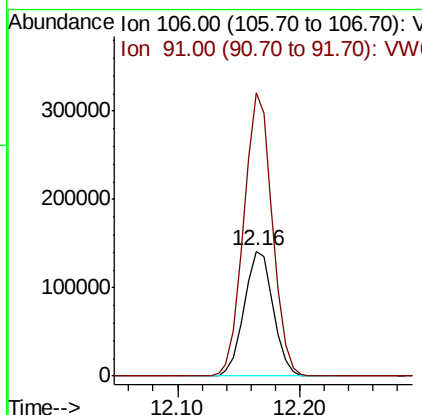
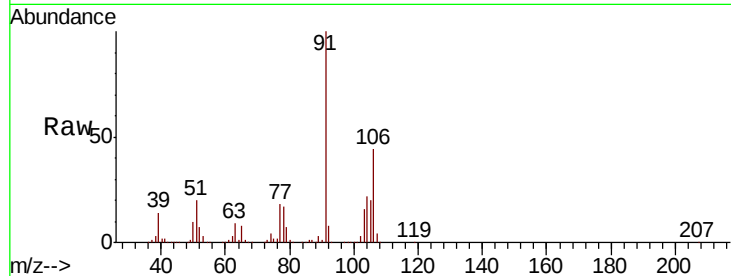




#69
o-Xylene
Concen: 52.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

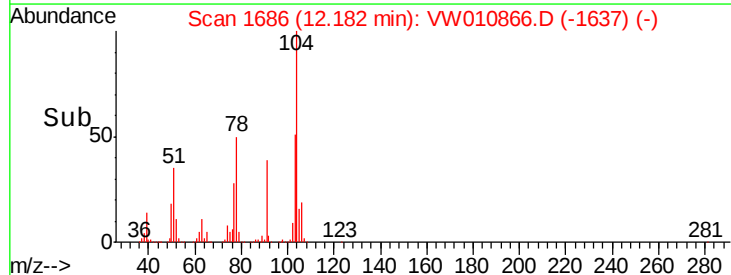
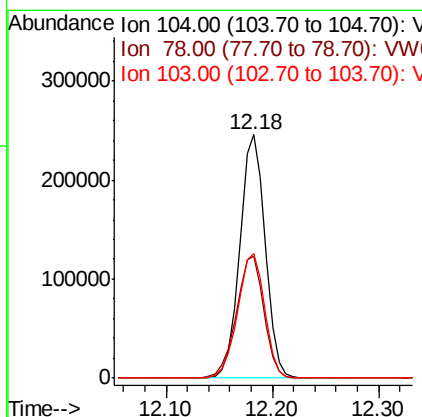
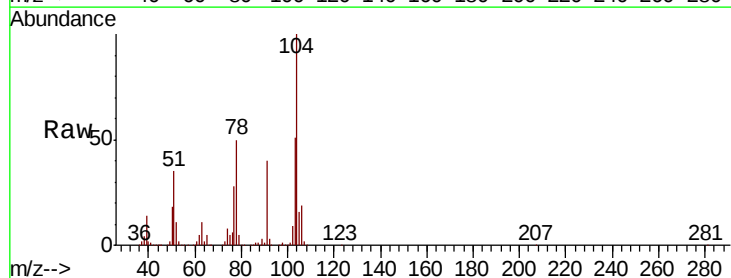
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

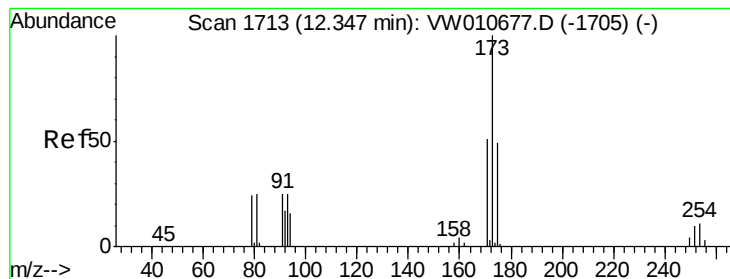
Tot Ion:106 Resp: 232408
Ion Ratio Lower Upper
106 100
91 222.8 108.9 326.6



#70
Styrene
Concen: 53.767 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:104 Resp: 410425
Ion Ratio Lower Upper
104 100
78 54.6 42.7 64.1
103 54.9 43.6 65.4





#71

Bromoform

Concen: 55.144 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

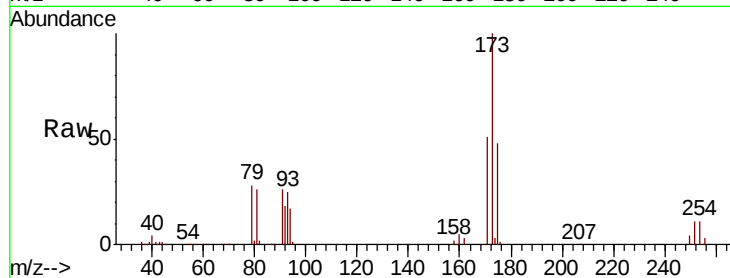
Tot Ion:173 Resp: 66487

Ion Ratio Lower Upper

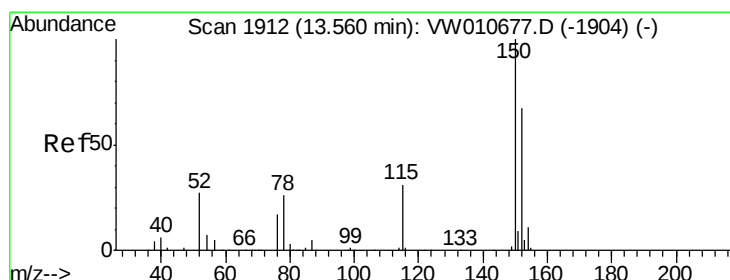
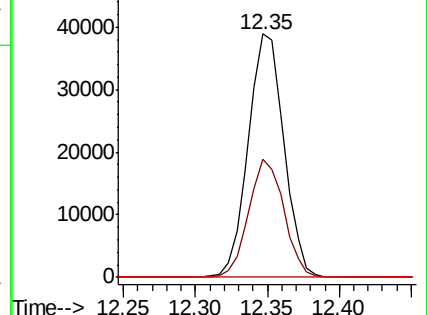
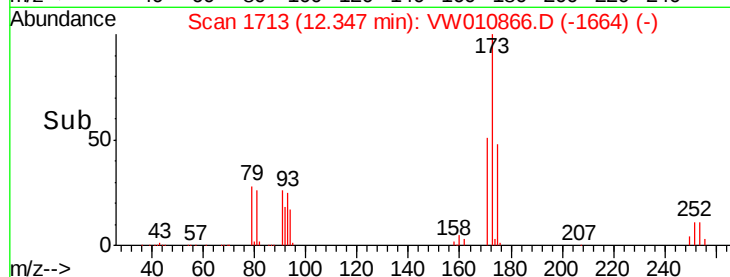
173 100

175 47.6 24.3 72.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

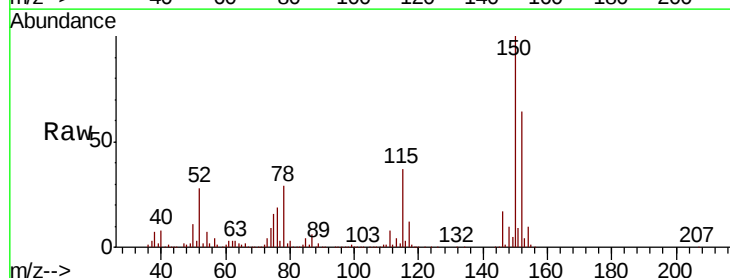
Tgt Ion:152 Resp: 168308

Ion Ratio Lower Upper

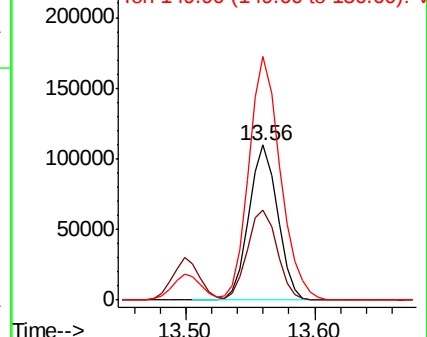
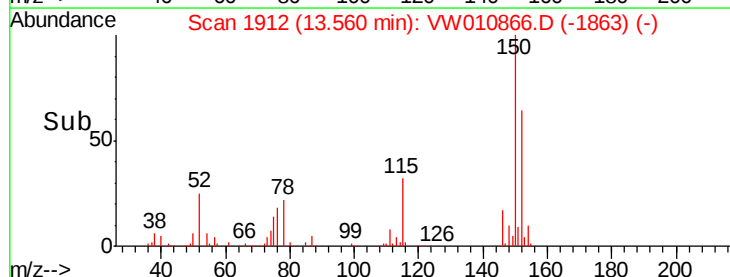
152 100

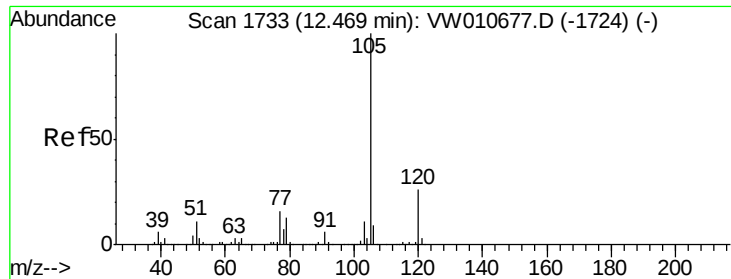
115 60.2 29.8 89.3

150 172.4 0.0 345.0



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





#73

Isopropylbenzene

Concen: 49.943 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

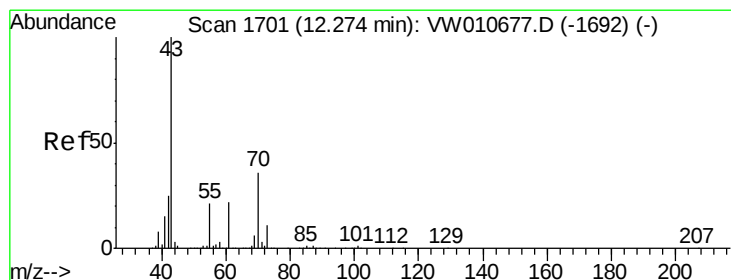
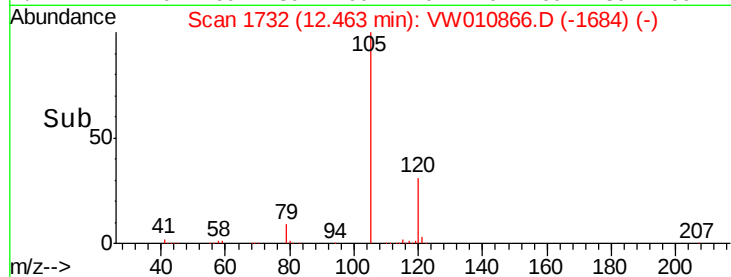
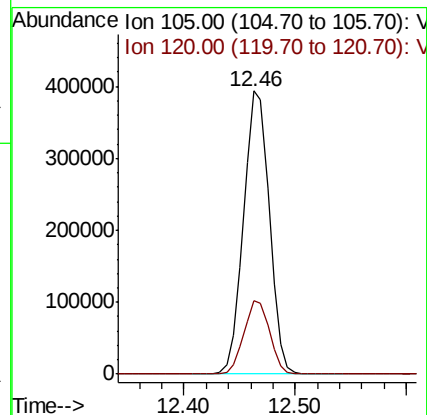
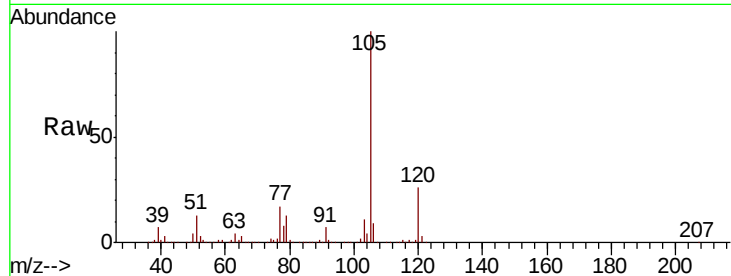
VSTDCCC050

Tot Ion:105 Resp: 631670

Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.1



#74

N-ethyl acetate

Concen: 57.207 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Tgt Ion: 43 Resp: 233837

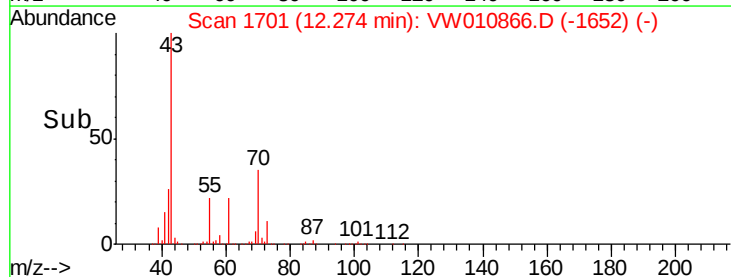
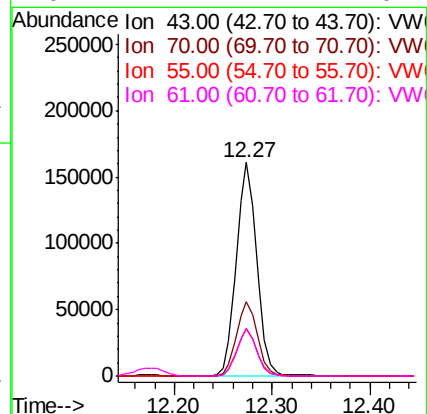
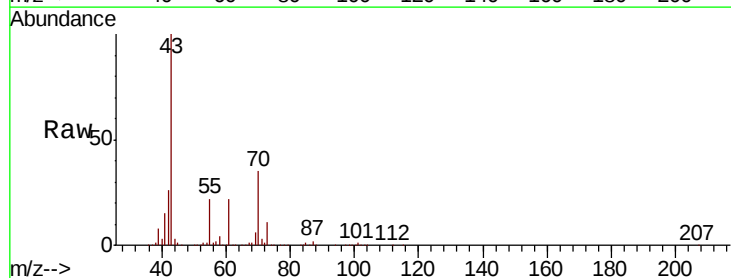
Ion Ratio Lower Upper

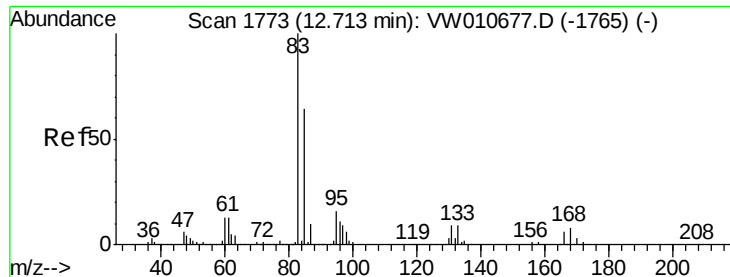
43 100

70 35.7 29.2 43.8

55 21.9 17.5 26.3

61 21.4 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 53.787 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

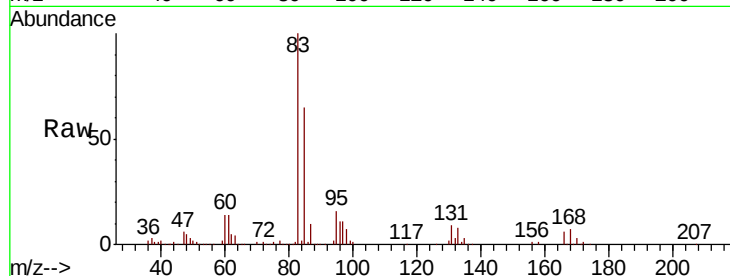
Tot Ion: 83 Resp: 129507

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

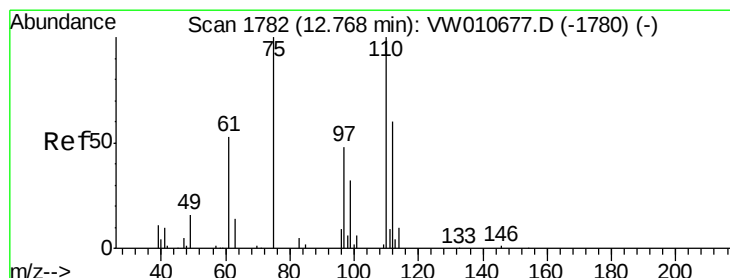
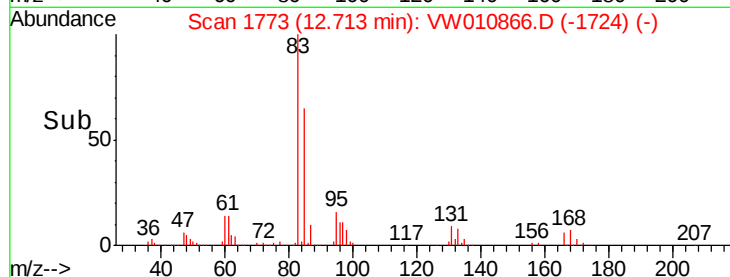
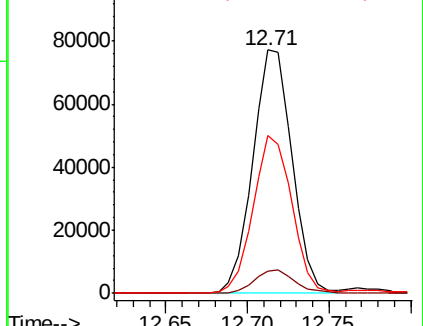
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 97.621 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010866.D

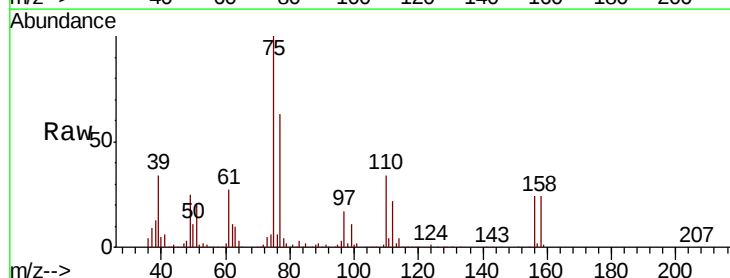
Acq: 20 Jun 2019 00:01

Tgt Ion: 75 Resp: 172541

Ion Ratio Lower Upper

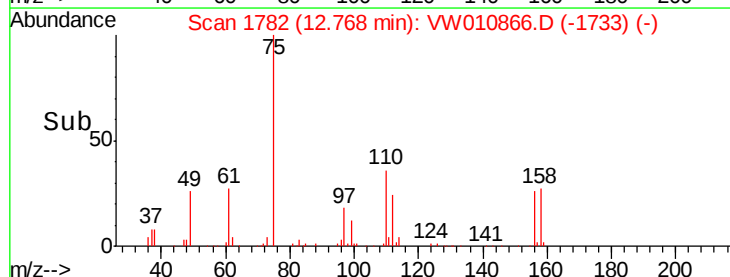
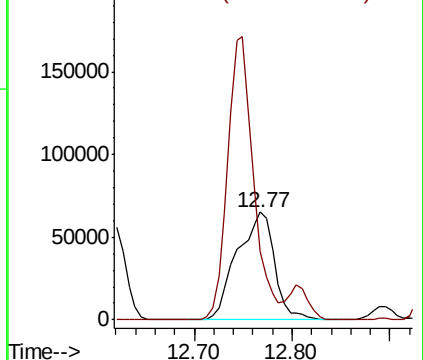
75 100

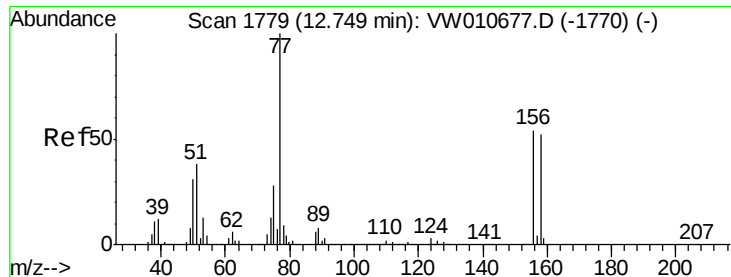
77 181.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.901 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

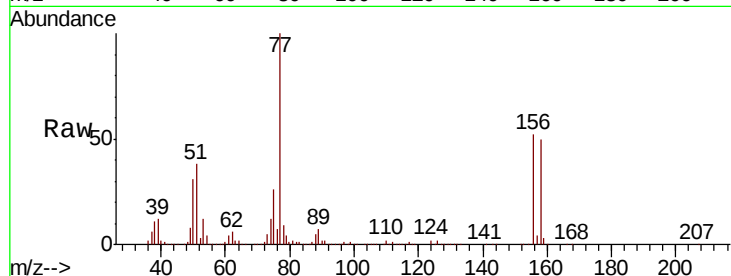
Tot Ion:156 Resp: 143289

Ion Ratio Lower Upper

156 100

77 218.6 106.5 319.4

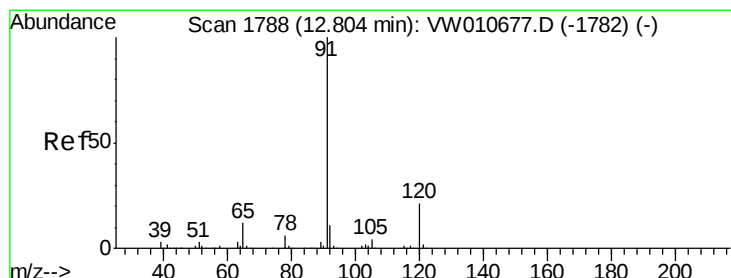
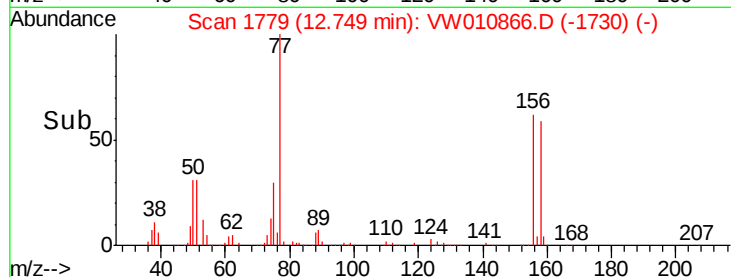
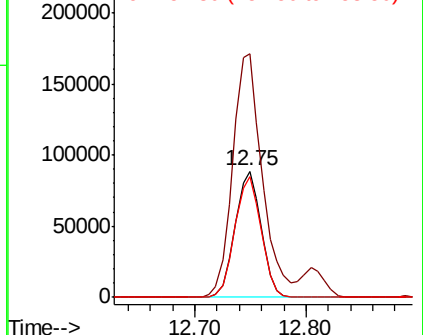
158 96.6 48.3 144.9



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: 50.540 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW010866.D

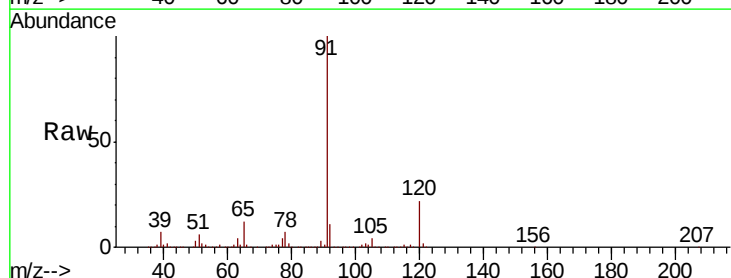
Acq: 20 Jun 2019 00:01

Tgt Ion: 91 Resp: 770766

Ion Ratio Lower Upper

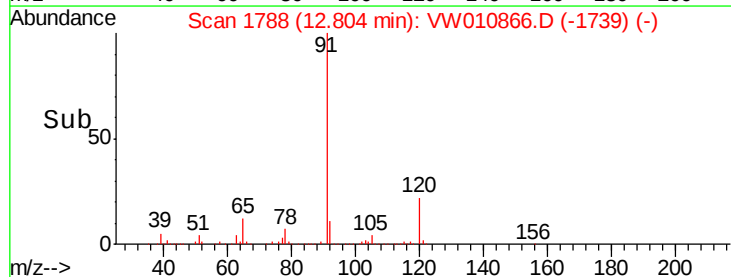
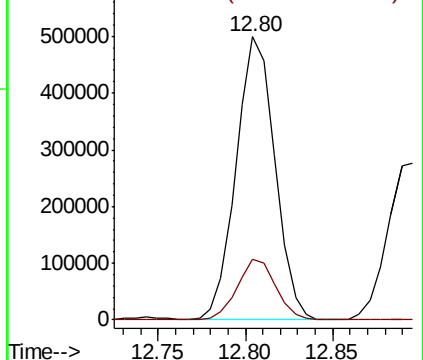
91 100

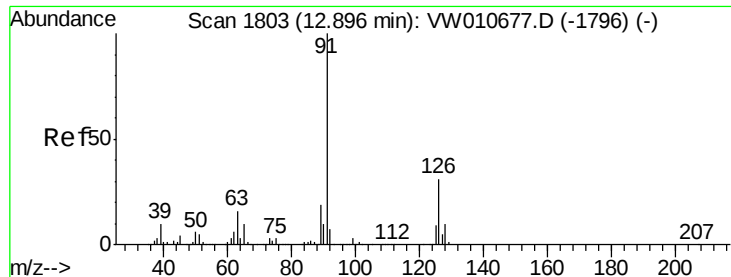
120 21.4 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.821 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

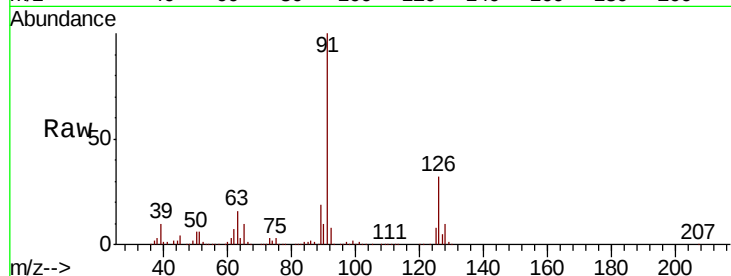
VSTDCCC050

Tot Ion: 91 Resp: 451514

Ion Ratio Lower Upper

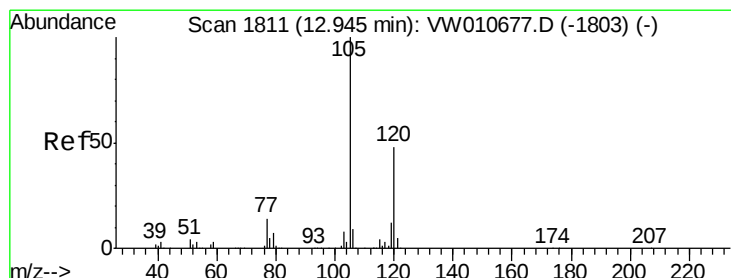
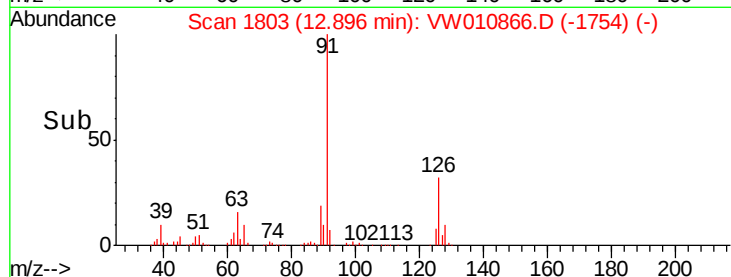
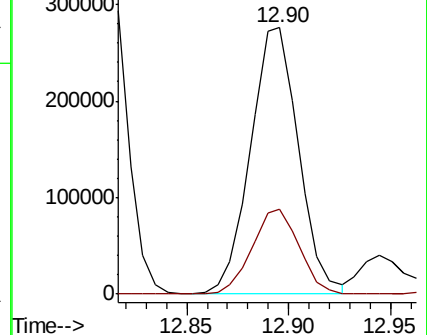
91 100

126 31.2 15.7 47.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.359 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010866.D

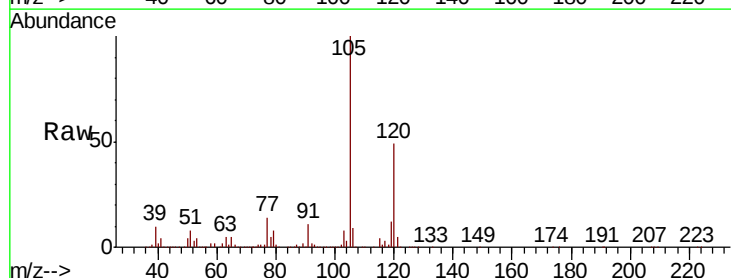
Acq: 20 Jun 2019 00:01

Tgt Ion:105 Resp: 531684

Ion Ratio Lower Upper

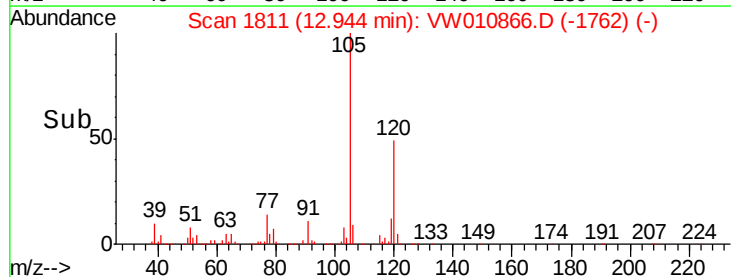
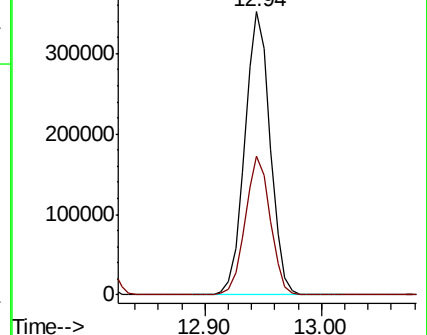
105 100

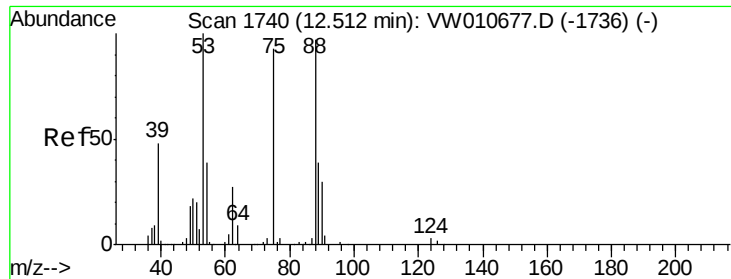
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.745 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

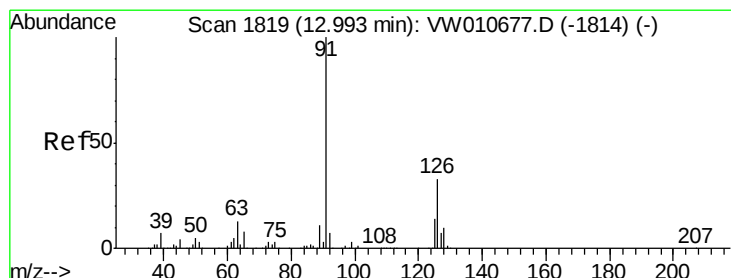
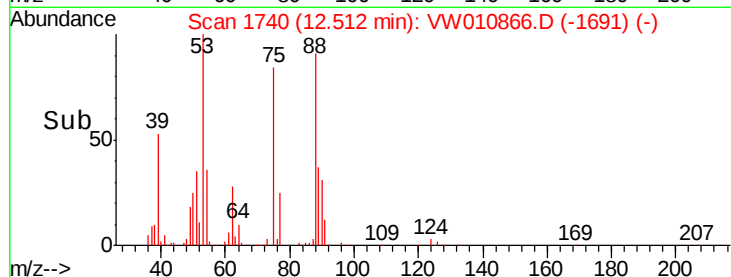
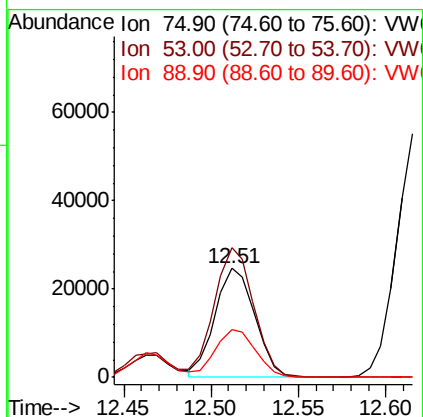
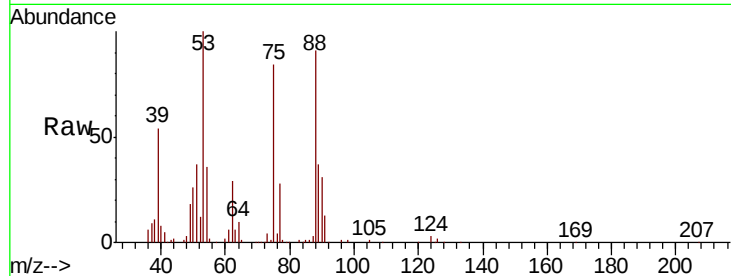
Tot Ion: 75 Resp: 39024

Ion Ratio Lower Upper

75 100

53 119.5 90.1 135.1

89 44.4 34.6 52.0



#82

4-Chlorotoluene

Concen: 52.293 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW010866.D

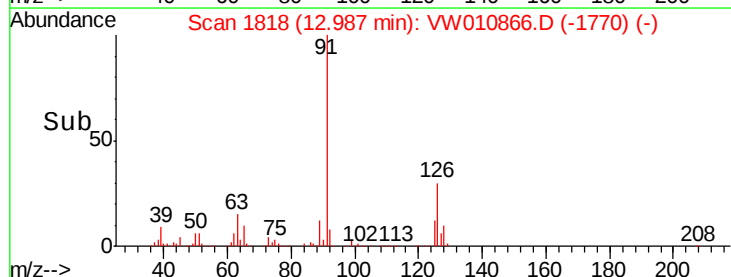
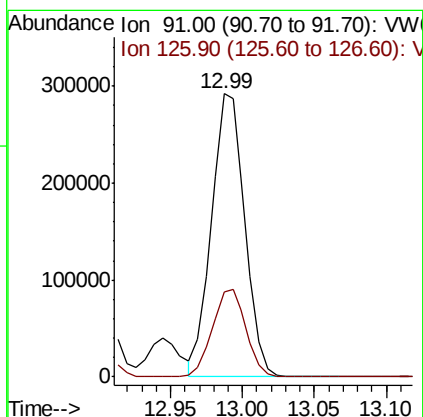
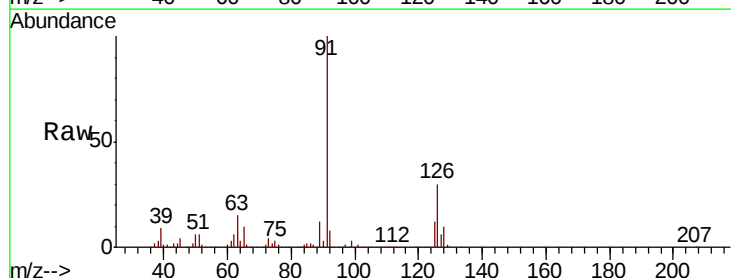
Acq: 20 Jun 2019 00:01

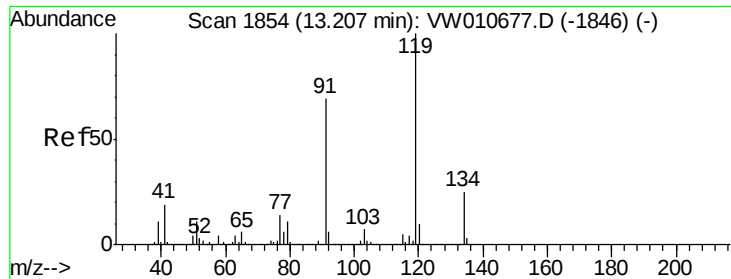
Tgt Ion: 91 Resp: 470182

Ion Ratio Lower Upper

91 100

126 31.4 15.9 47.7

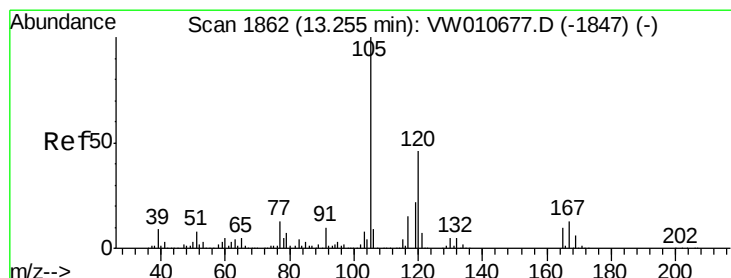
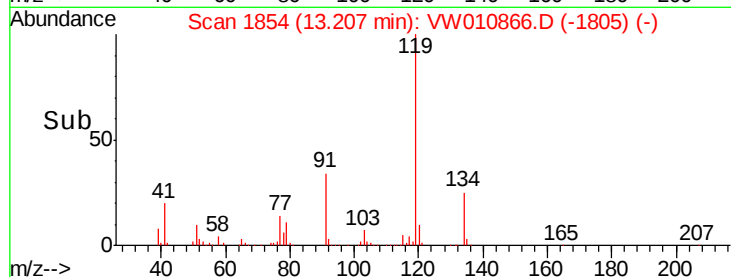
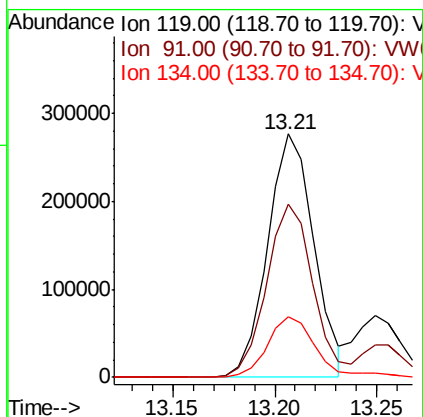
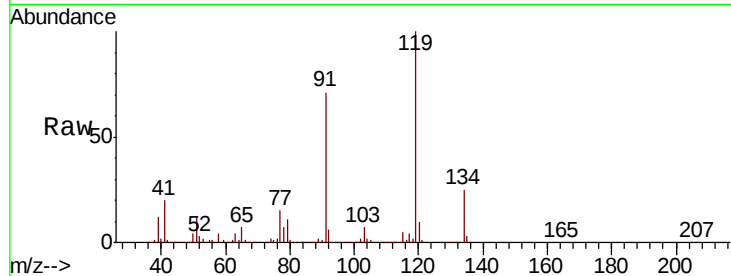




#83
tert-Butylbenzene
Concen: 49.836 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

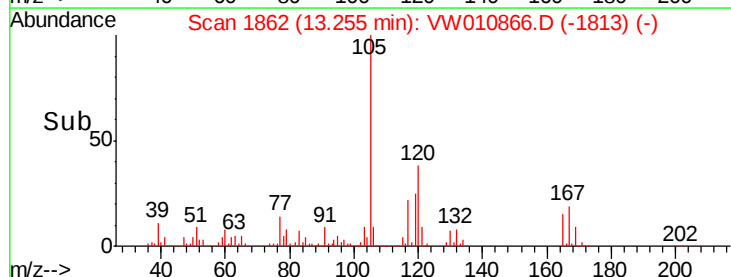
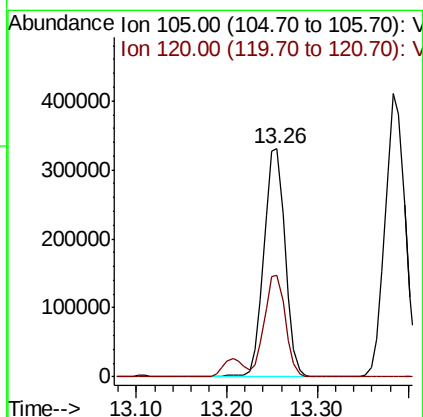
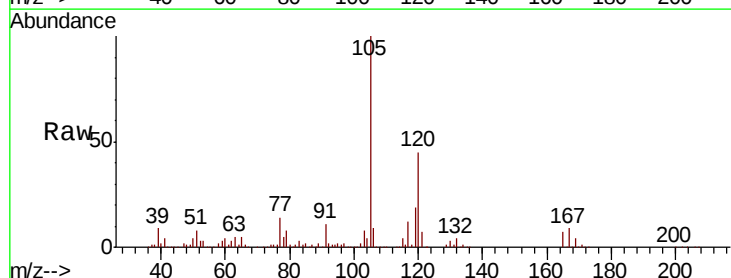
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

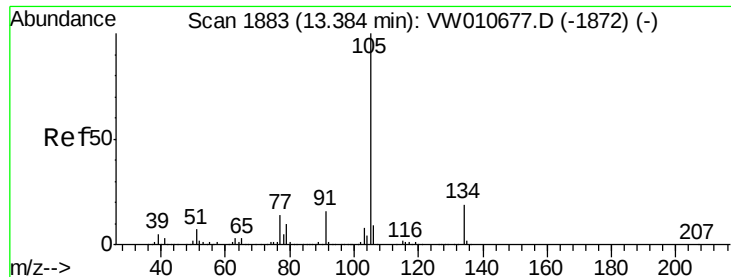
Tot Ion:119 Resp: 437848
Ion Ratio Lower Upper
119 100
91 71.6 35.1 105.3
134 26.3 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 51.580 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:105 Resp: 537332
Ion Ratio Lower Upper
105 100
120 44.0 22.5 67.5





#85

sec-Butylbenzene

Concen: 49.319 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

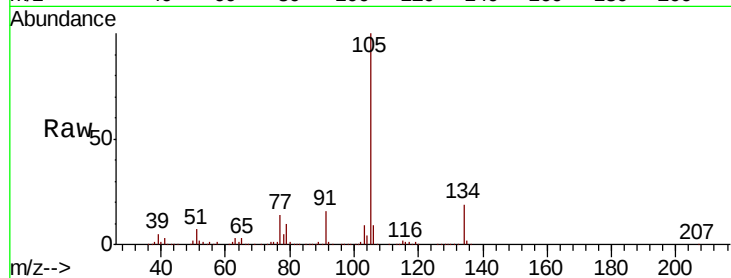
VSTDCCC050

Tot Ion:105 Resp: 630888

Ion Ratio Lower Upper

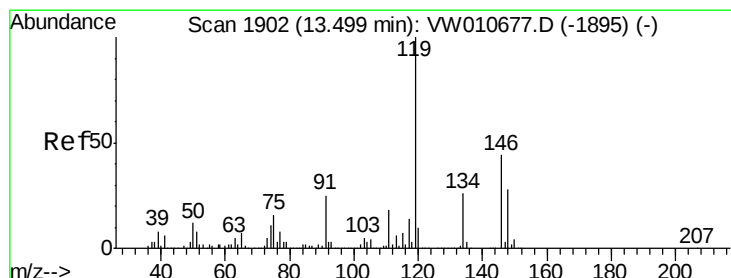
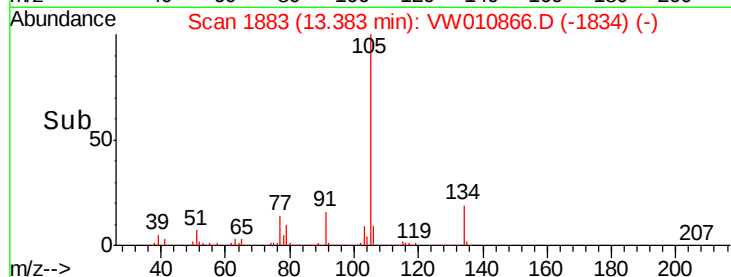
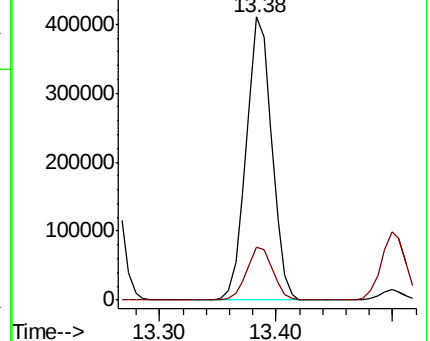
105 100

134 19.1 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.677 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

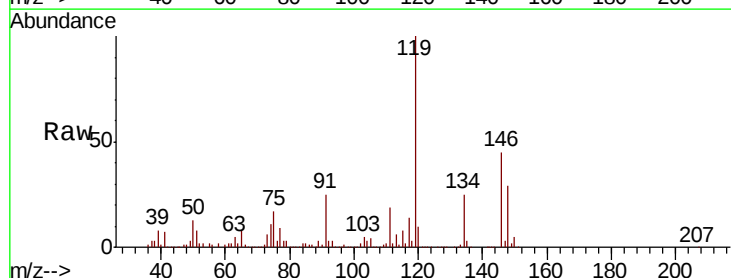
Tgt Ion:119 Resp: 568269

Ion Ratio Lower Upper

119 100

134 25.5 13.0 39.0

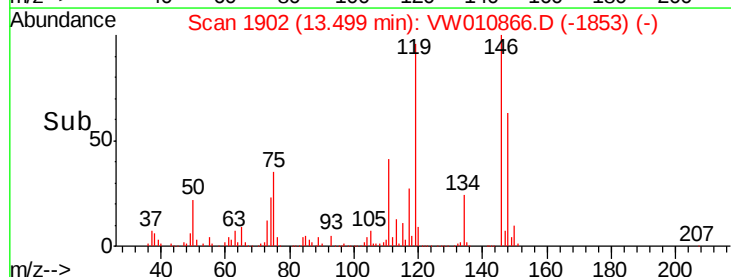
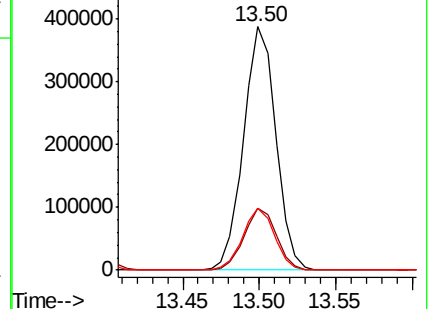
91 24.9 12.2 36.4

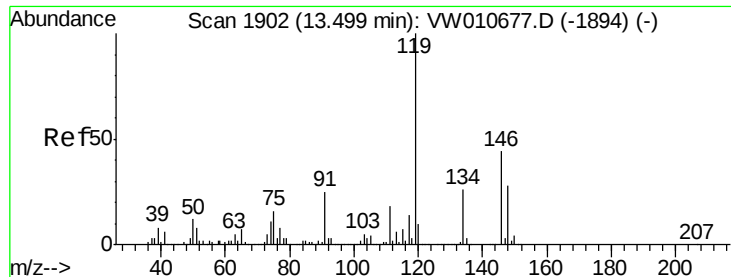


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.878 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

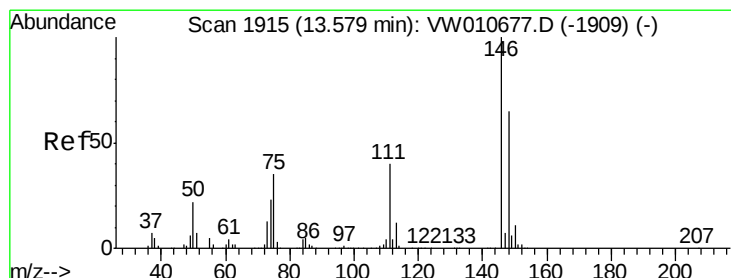
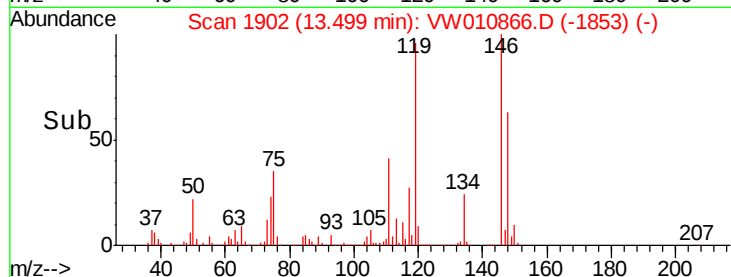
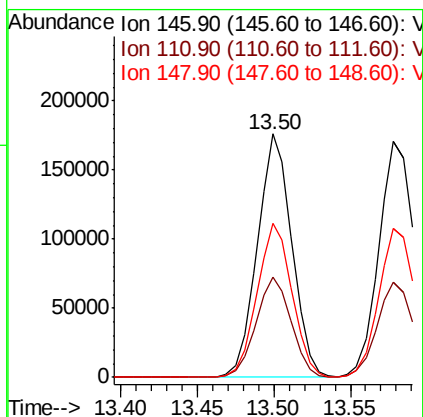
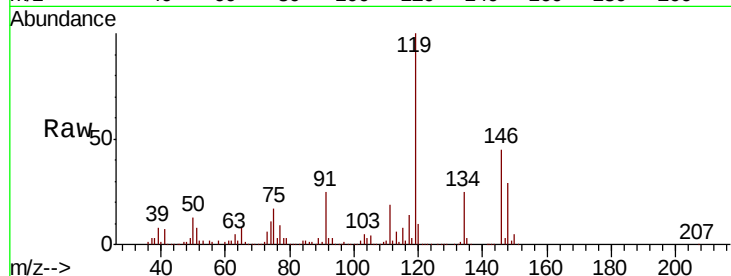
Tot Ion:146 Resp: 276199

Ion Ratio Lower Upper

146 100

111 41.8 20.4 61.3

148 64.0 31.5 94.5



#88

1,4-Dichlorobenzene

Concen: 52.031 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

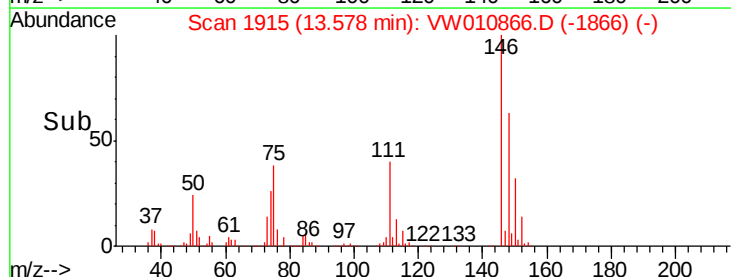
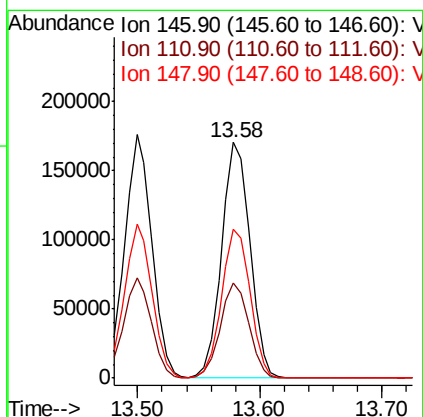
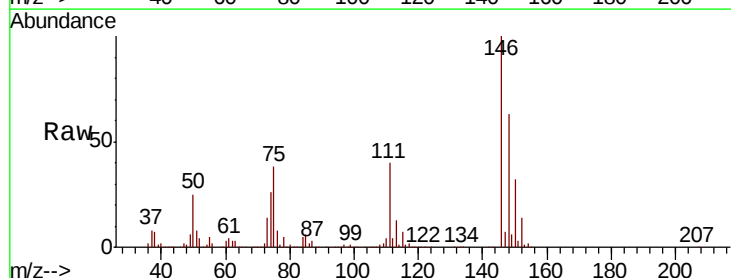
Tgt Ion:146 Resp: 274628

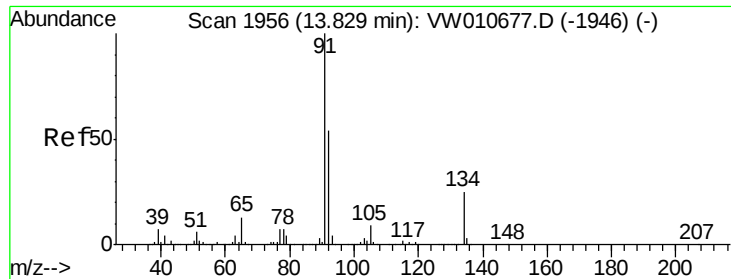
Ion Ratio Lower Upper

146 100

111 40.9 20.3 60.9

148 63.3 32.4 97.2





#89

n-Butylbenzene

Concen: 49.536 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW010866.D

Acq: 20 Jun 2019 00:01

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

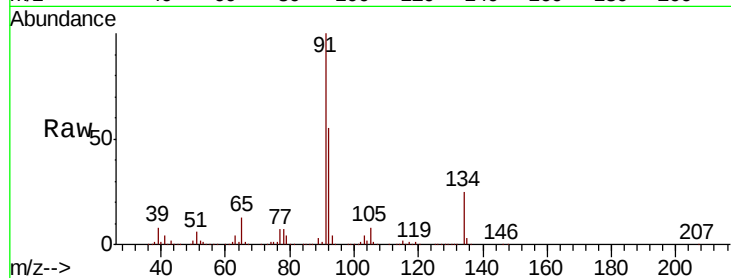
Tot Ion: 91 Resp: 565372

Ion Ratio Lower Upper

91 100

92 54.7 27.3 81.8

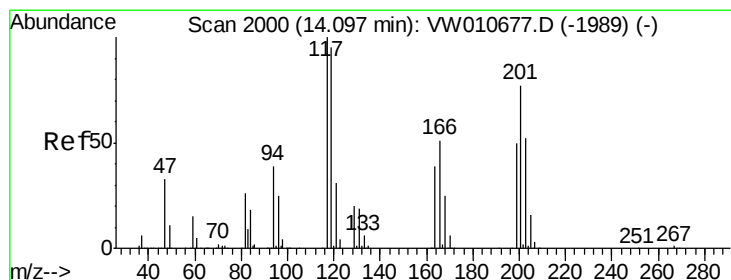
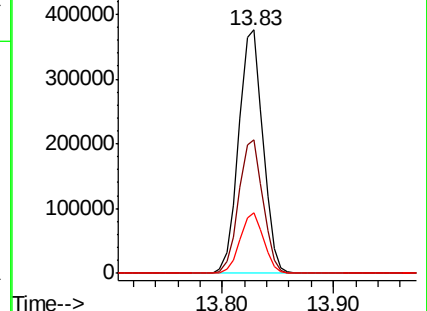
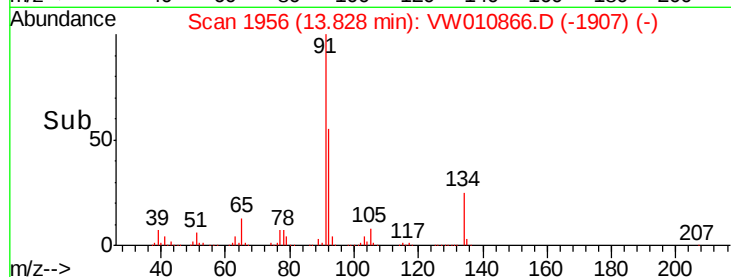
134 24.3 12.3 36.9



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: 51.414 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW010866.D

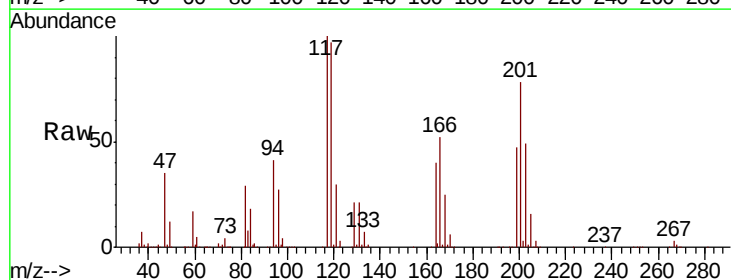
Acq: 20 Jun 2019 00:01

Tgt Ion: 117 Resp: 105326

Ion Ratio Lower Upper

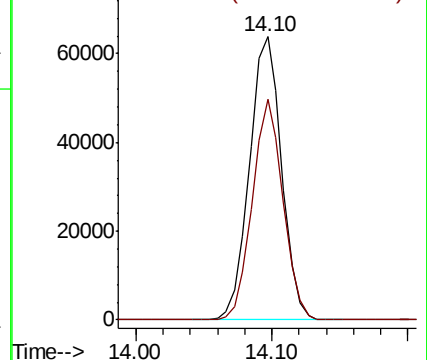
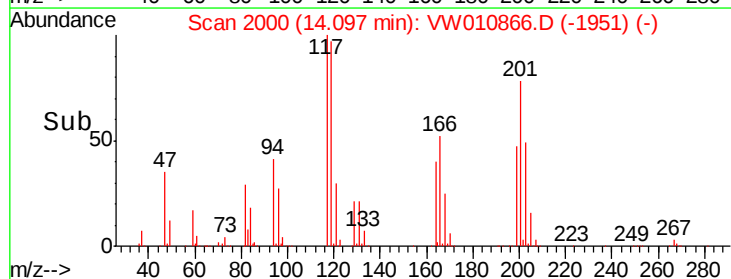
117 100

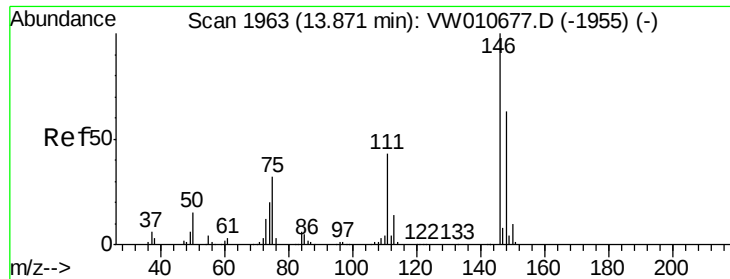
201 74.7 38.8 116.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

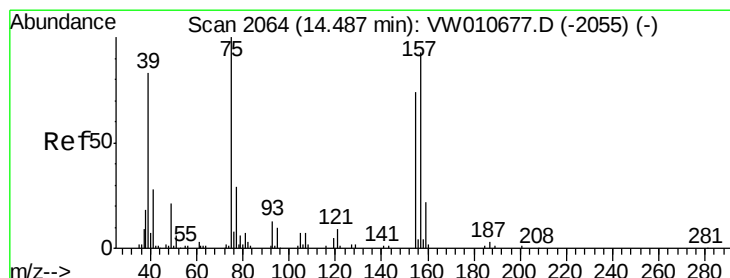
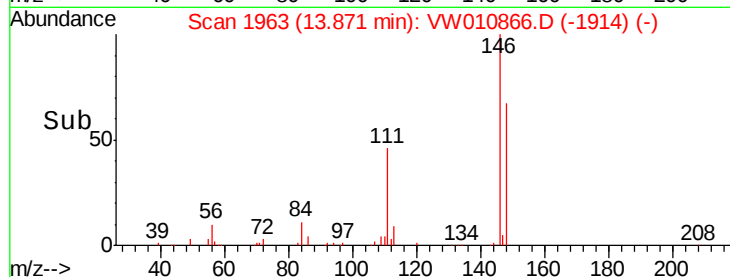
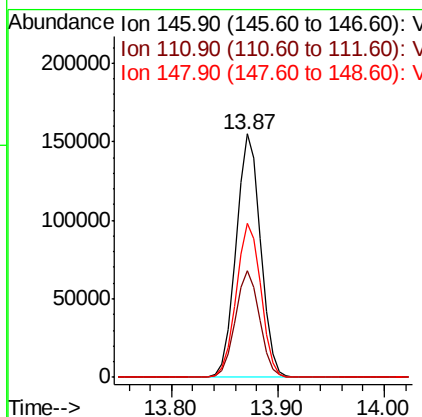
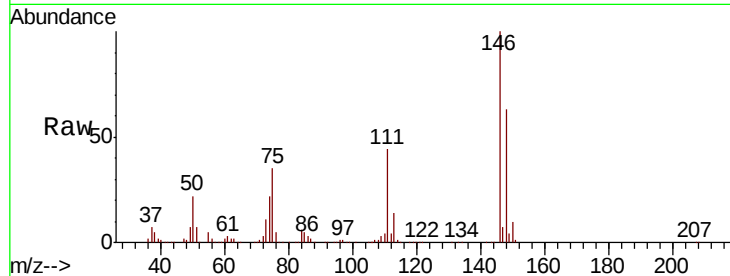




#91
 1,2-Dichlorobenzene
 Concen: 52.160 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

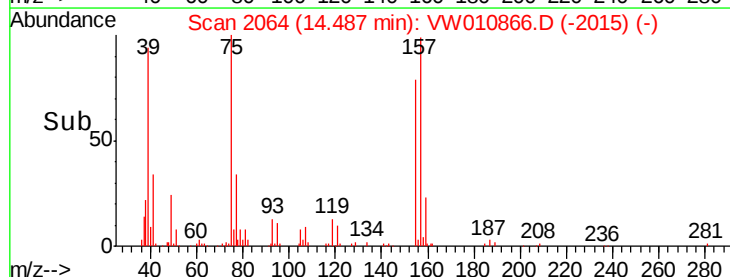
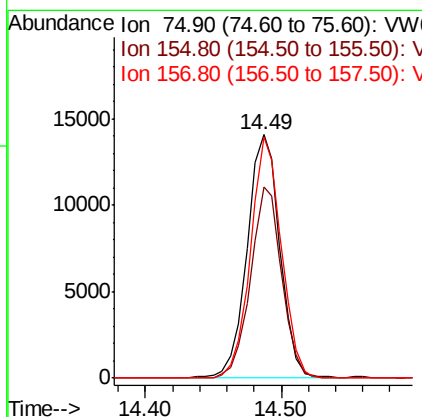
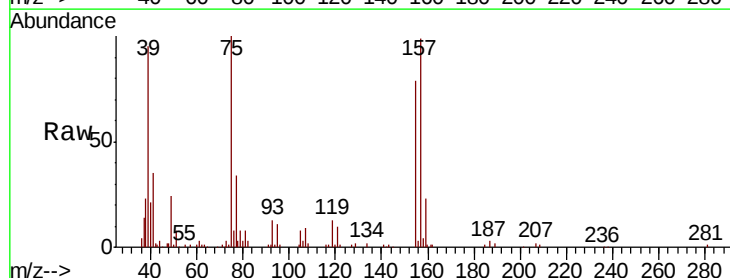
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

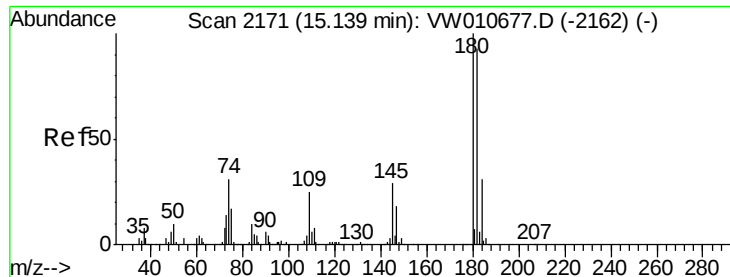
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.5	64.5
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.274 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.0	38.8	116.4
157	93.0	48.4	145.0

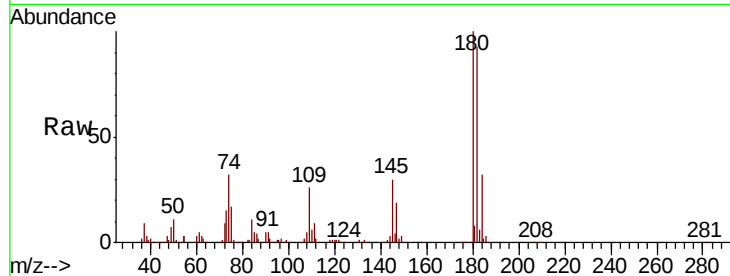




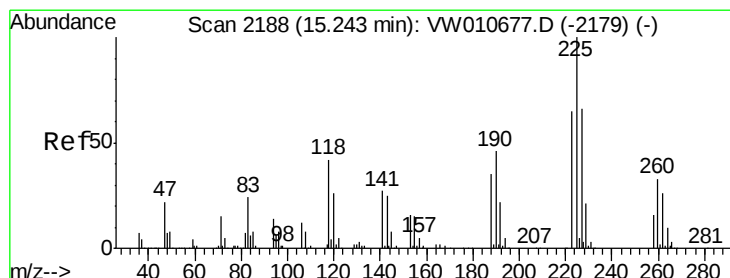
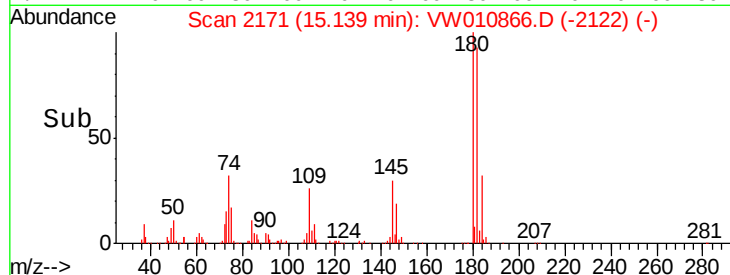
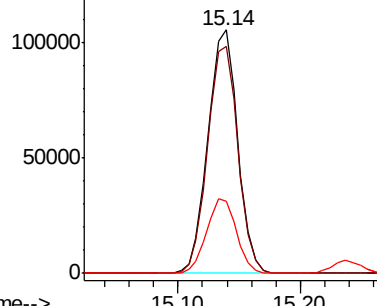
#93
 1,2,4-Trichlorobenzene
 Concen: 52.692 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 177040
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.1 141.4
 145 30.7 15.2 45.5

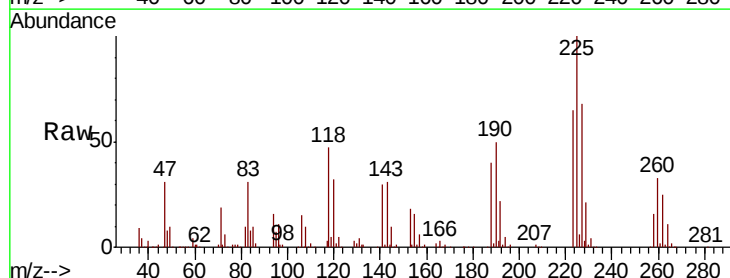


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

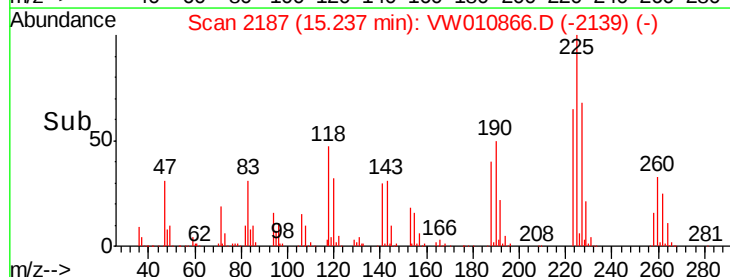
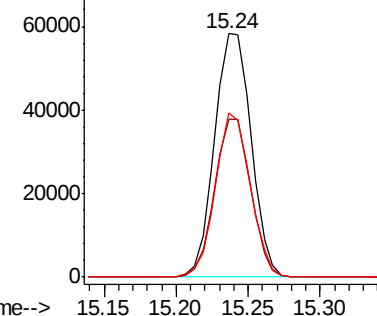


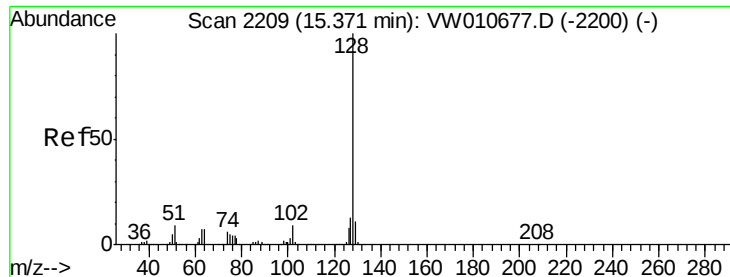
#94
 Hexachlorobutadiene
 Concen: 48.513 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010866.D
 Acq: 20 Jun 2019 00:01

Tgt Ion:225 Resp: 102301
 Ion Ratio Lower Upper
 225 100
 223 64.0 32.2 96.6
 227 64.1 32.0 96.0



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

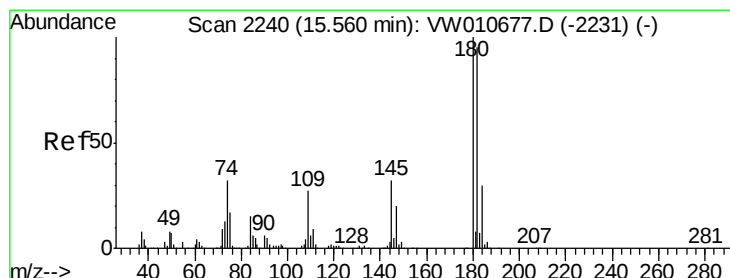
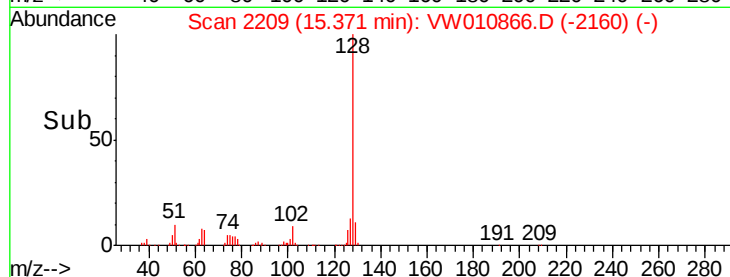
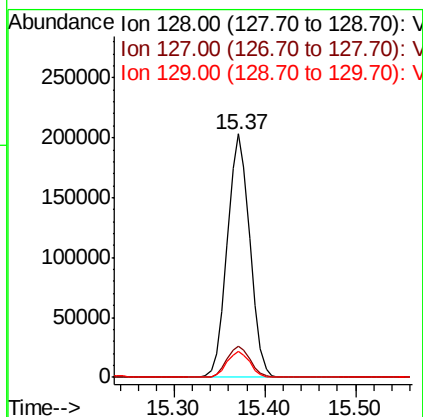
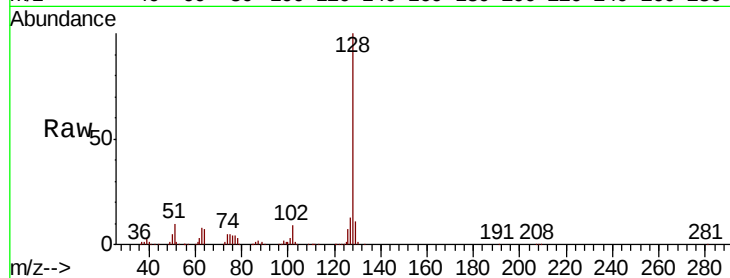




#95
Naphthalene
Concen: 57.442 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 350660
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 55.609 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW010866.D
Acq: 20 Jun 2019 00:01

Tgt Ion:180 Resp: 158899
Ion Ratio Lower Upper
180 100
182 95.9 47.0 141.0
145 32.2 16.1 48.3

