

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011098.D
 Acq On : 01 Jul 2019 21:08
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 02 08:38:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	310108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151379	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	148583	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
35) Dibromofluoromethane	7.88	113	113945	54.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.20%	
50) Toluene-d8	10.32	98	462100	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
62) 4-Bromofluorobenzene	12.62	95	170462	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.01	85	74894	48.885	ug/l 98
3) Chloromethane	2.21	50	107881	52.527	ug/l 98
4) Vinyl Chloride	2.35	62	134137	50.161	ug/l 99
5) Bromomethane	2.75	94	64717	48.620	ug/l 98
6) Chloroethane	2.90	64	73953	52.454	ug/l 98
7) Trichlorofluoromethane	3.24	101	42340	53.879	ug/l 99
8) Diethyl Ether	3.67	74	71364	57.341	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	114964	52.017	ug/l 99
10) Methyl Iodide	4.27	142	167978	54.323	ug/l 99
11) Tert butyl alcohol	5.17	59	52081	269.911	ug/l 99
12) 1,1-Dichloroethene	4.04	96	121674	52.890	ug/l 97
13) Acrolein	3.88	56	38042	252.824	ug/l 97
14) Allyl chloride	4.66	41	210841	56.944	ug/l 100
15) Acrylonitrile	5.36	53	185617	302.867	ug/l 100
16) Acetone	4.12	43	169539	261.432	ug/l 100
17) Carbon Disulfide	4.38	76	336482	51.556	ug/l 100
18) Methyl Acetate	4.66	43	98030	58.356	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	196620	60.385	ug/l 96
20) Methylene Chloride	4.92	84	136992	51.992	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	129171	54.490	ug/l 99
22) Diisopropyl ether	6.31	45	513016	57.577	ug/l 98
23) Vinyl Acetate	6.25	43	1651653	300.845	ug/l 100
24) 1,1-Dichloroethane	6.21	63	262205	55.751	ug/l 99
25) 2-Butanone	7.16	43	286387	290.528	ug/l 99
26) 2,2-Dichloropropane	7.16	77	115282	47.210	ug/l 96
27) cis-1,2-Dichloroethene	7.16	96	143901	56.378	ug/l 98
28) Bromochloromethane	7.51	49	107739	49.208	ug/l 99
29) Tetrahydrofuran	7.52	42	189394	308.642	ug/l 99
30) Chloroform	7.67	83	240605	56.311	ug/l 97
31) Cyclohexane	7.95	56	254713	50.121	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	175041	54.822	ug/l 99
36) 1,1-Dichloropropene	8.08	75	192156	51.836	ug/l 99
37) Ethyl Acetate	7.24	43	127991	59.351	ug/l 99
38) Carbon Tetrachloride	8.06	117	160712	52.644	ug/l 99

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 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	239130	52.417	ug/l	98
40) Benzene	8.32	78	555753	54.508	ug/l	99
41) Methacrylonitrile	7.48	41	70284	53.569	ug/l	91
42) 1,2-Dichloroethane	8.40	62	185368	55.449	ug/l	100
43) Isopropyl Acetate	8.42	43	242350	59.406	ug/l	99
44) Trichloroethene	9.09	130	130566	52.987	ug/l	99
45) 1,2-Dichloropropane	9.37	63	153875	55.575	ug/l	96
46) Dibromomethane	9.46	93	72709	56.150	ug/l	100
47) Bromodichloromethane	9.64	83	180164	56.196	ug/l	100
48) Methyl methacrylate	9.43	41	119454	60.390	ug/l	98
49) 1,4-Dioxane	9.44	88	25082	1152.019	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	646247	300.938	ug/l	99
52) Toluene	10.38	92	340684	54.578	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	191722	57.413	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	227058	57.000	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	102767	56.174	ug/l	97
56) Ethyl methacrylate	10.65	69	165456	60.396	ug/l	99
57) 1,3-Dichloropropane	10.93	76	195941	56.305	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	378417	273.006	ug/l	99
59) 2-Hexanone	10.97	43	446498	298.150	ug/l	98
60) Dibromochloromethane	11.13	129	112591	58.689	ug/l	96
61) 1,2-Dibromoethane	11.23	107	98691	57.624	ug/l	100
64) Tetrachloroethene	10.86	164	112294	52.619	ug/l	98
65) Chlorobenzene	11.66	112	344209	54.224	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	121022	56.153	ug/l	99
67) Ethyl Benzene	11.73	91	660542	54.329	ug/l	99
68) m/p-Xylenes	11.84	106	476949	108.109	ug/l	100
69) o-Xylene	12.16	106	226245	55.058	ug/l	99
70) Styrene	12.18	104	398948	55.870	ug/l	99
71) Bromoform	12.35	173	62679	59.655	ug/l #	99
73) Isopropylbenzene	12.46	105	619745	54.649	ug/l	100
74) N-amyl acetate	12.27	43	229431	60.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130405	58.558	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	169206	105.875	ug/l #	100
77) Bromobenzene	12.75	156	140030	56.177	ug/l	98
78) n-propylbenzene	12.80	91	755231	53.778	ug/l	99
79) 2-Chlorotoluene	12.89	91	440711	54.930	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	525370	54.658	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	39283	52.111	ug/l	99
82) 4-Chlorotoluene	12.99	91	452461	54.116	ug/l	100
83) tert-Butylbenzene	13.21	119	435854	54.378	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	534652	55.032	ug/l	99
85) sec-Butylbenzene	13.38	105	630028	54.108	ug/l	99
86) p-Isopropyltoluene	13.50	119	569676	54.368	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	267433	54.238	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	264790	53.797	ug/l	99
89) n-Butylbenzene	13.82	91	567043	53.243	ug/l	100
90) Hexachloroethane	14.10	117	100687	56.161	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	244656	55.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22804	60.253	ug/l	97

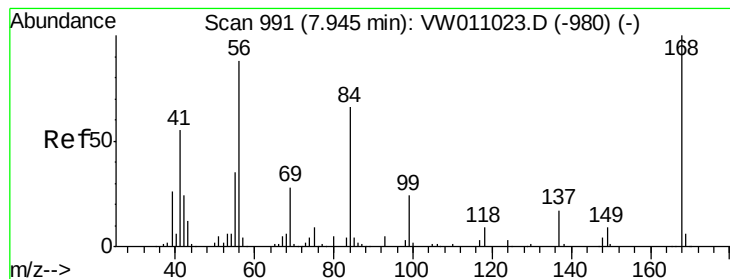
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	171046	54.896	ug/l	100
94) Hexachlorobutadiene	15.24	225	101364	53.637	ug/l	99
95) Naphthalene	15.37	128	355225	60.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	153058	55.013	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: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

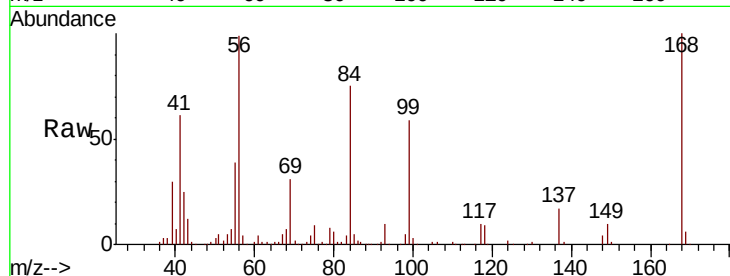
VSTDCCC050EC

Tot Ion:168 Resp: 203231

Ion Ratio Lower Upper

168 100

99 59.0 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

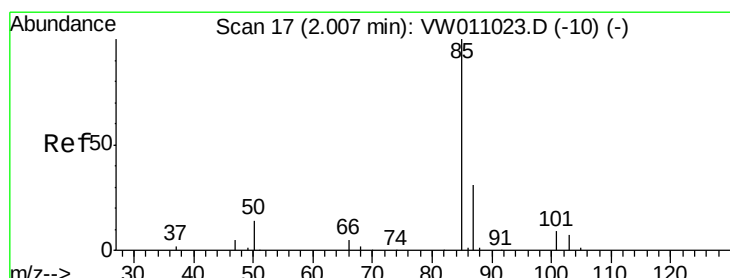
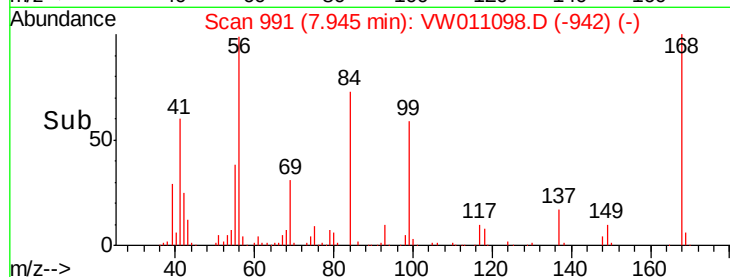
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.885 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011098.D

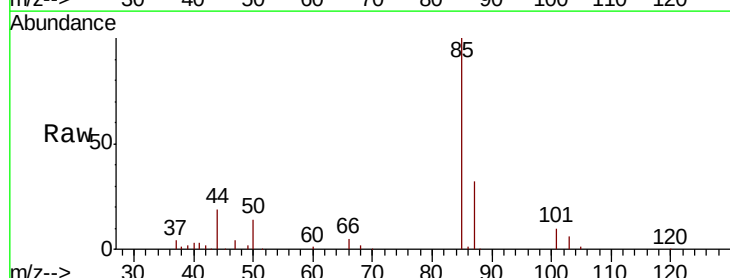
Acq: 01 Jul 2019 21:08

Tgt Ion: 85 Resp: 74894

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

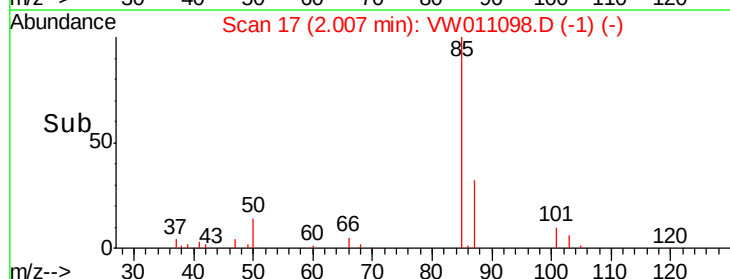
15000

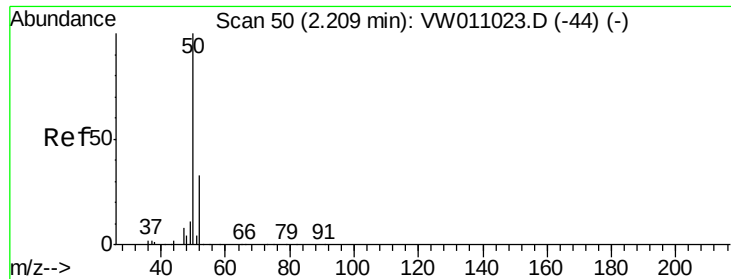
10000

5000

0

Time-->





#3

Chloromethane

Concen: 52.527 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

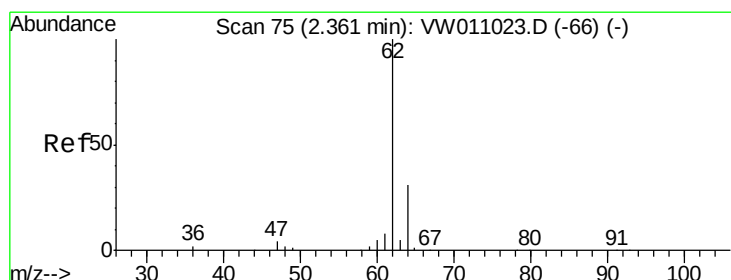
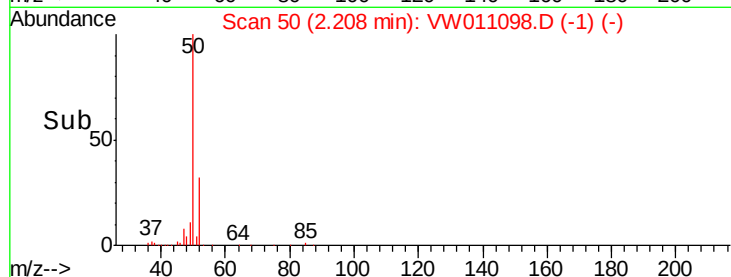
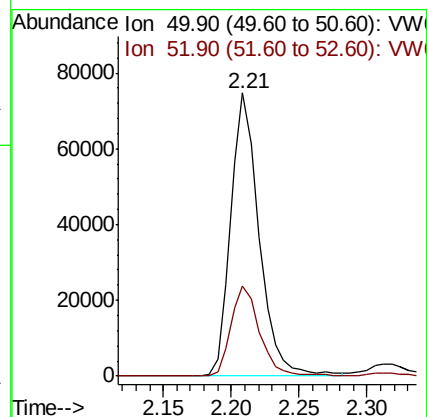
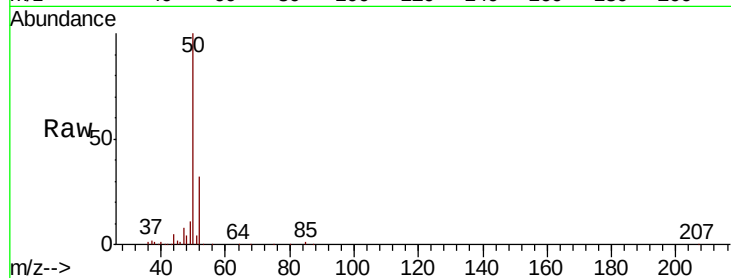
VSTDCCC050EC

Tot Ion: 50 Resp: 107881

Ion Ratio Lower Upper

50 100

52 32.1 26.6 40.0



#4

Vinyl Chloride

Concen: 50.161 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011098.D

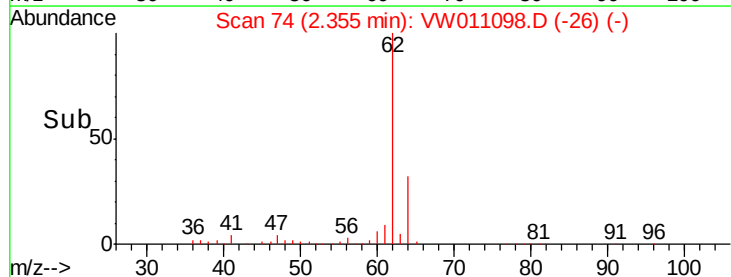
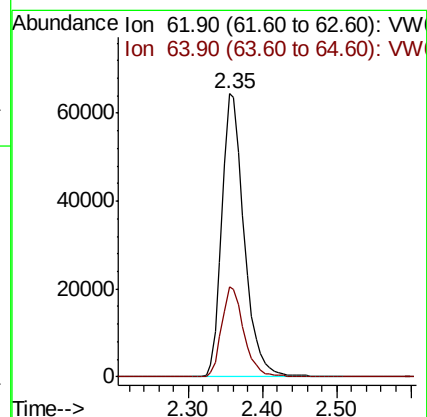
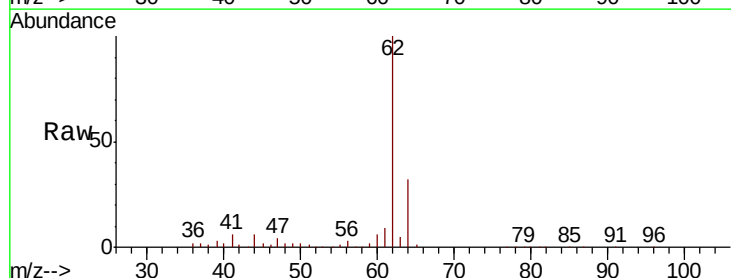
Acq: 01 Jul 2019 21:08

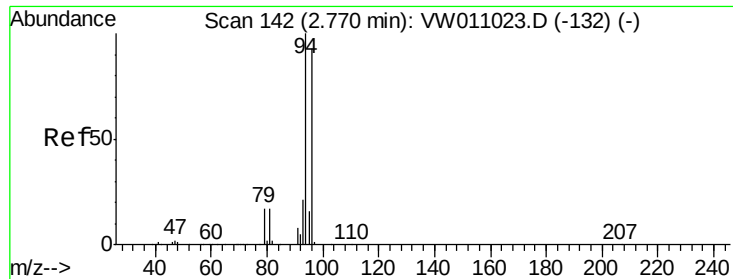
Tgt Ion: 62 Resp: 134137

Ion Ratio Lower Upper

62 100

64 31.7 24.8 37.2





#5

Bromomethane

Concen: 48.620 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

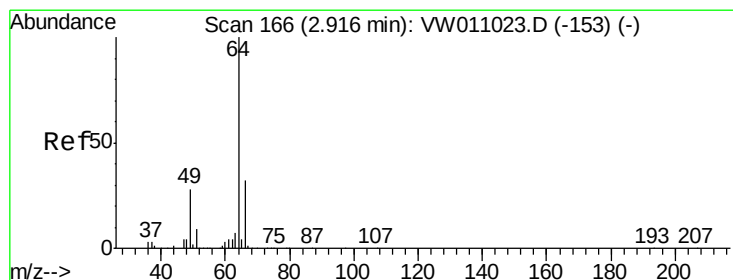
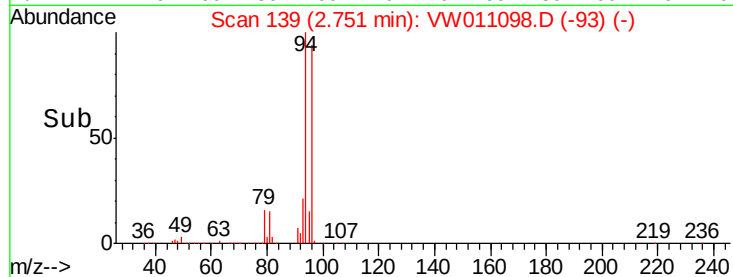
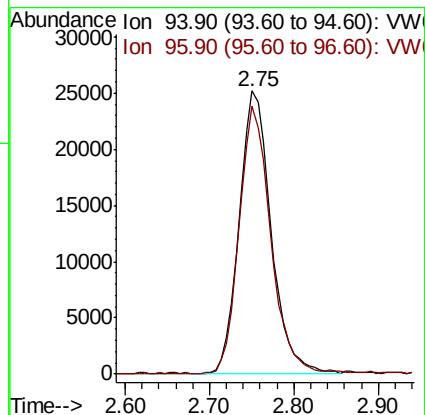
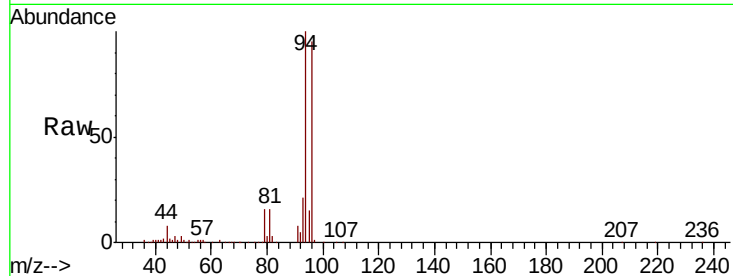
VSTDCCC050EC

Tot Ion: 94 Resp: 64717

Ion Ratio Lower Upper

94 100

96 94.2 74.2 111.2



#6

Chloroethane

Concen: 52.454 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW011098.D

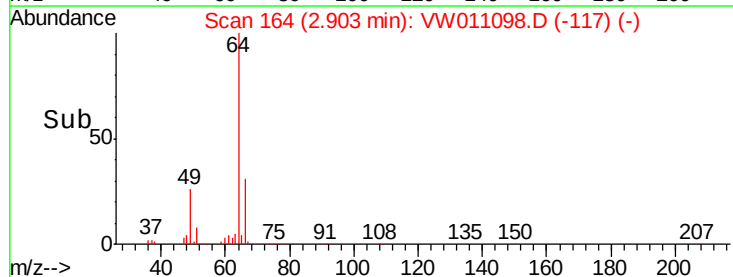
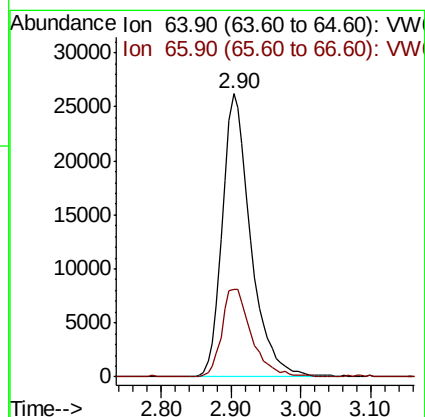
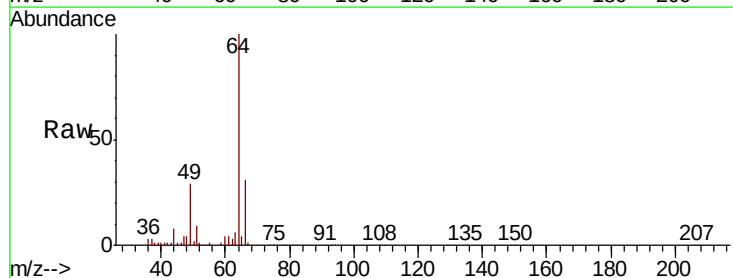
Acq: 01 Jul 2019 21:08

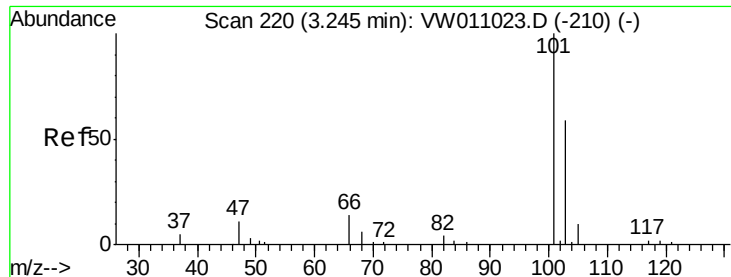
Tgt Ion: 64 Resp: 73953

Ion Ratio Lower Upper

64 100

66 30.9 25.7 38.5



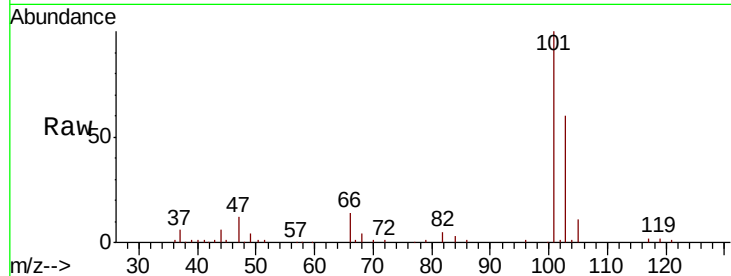


#7

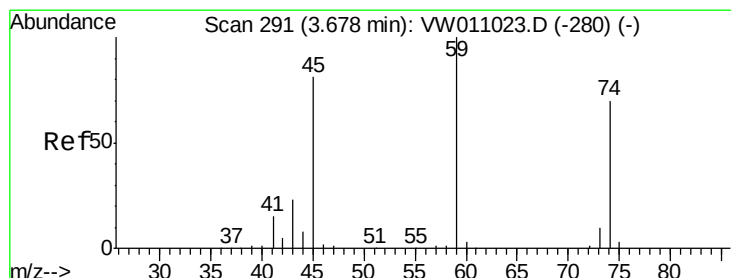
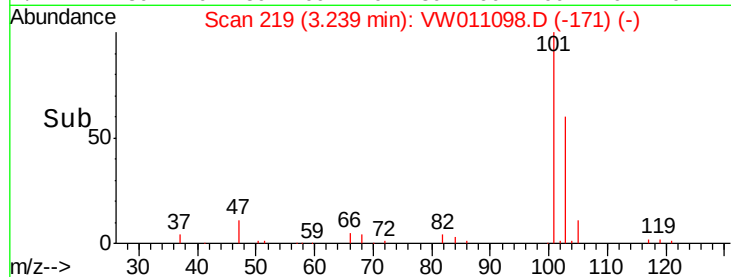
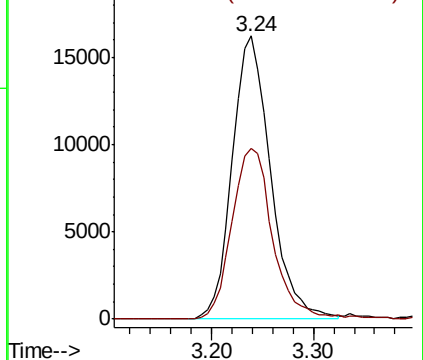
Trichlorofluoromethane
 Concen: 53.879 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 42340
 Ion Ratio Lower Upper
 101 100
 103 60.1 47.5 71.3



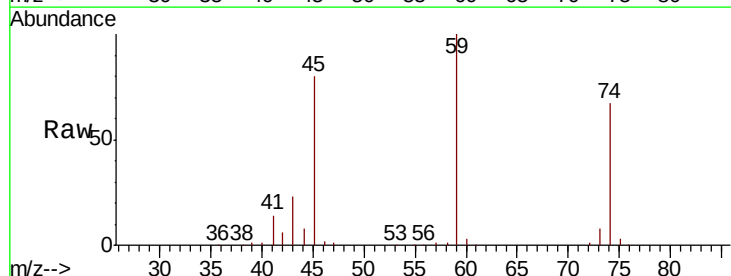
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



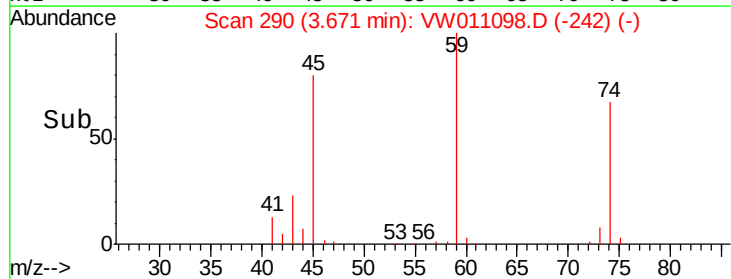
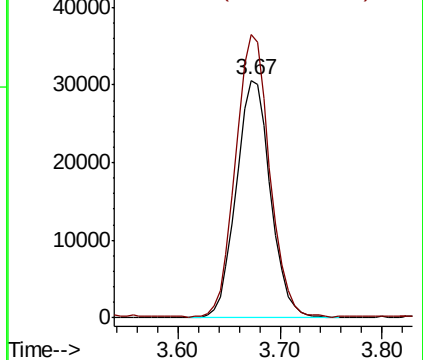
#8

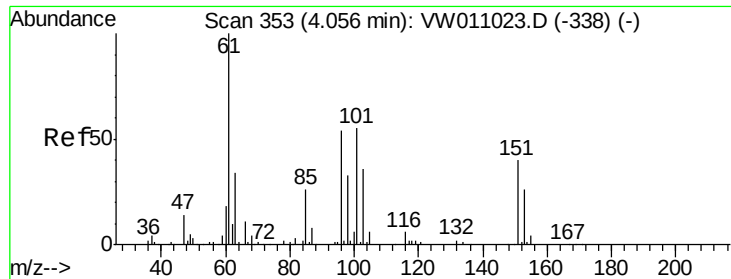
Diethyl Ether
 Concen: 57.341 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 74 Resp: 71364
 Ion Ratio Lower Upper
 74 100
 45 117.8 59.5 178.5



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.017 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

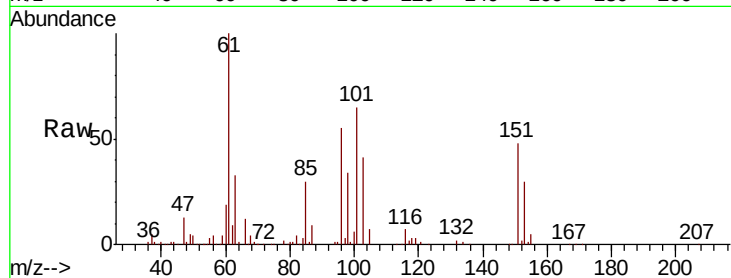
Tot Ion:101 Resp: 114964

Ion Ratio Lower Upper

101 100

85 45.4 36.6 55.0

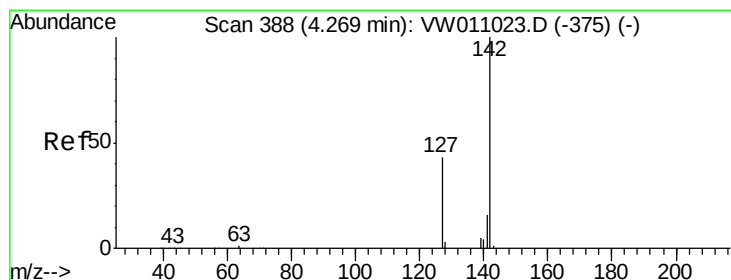
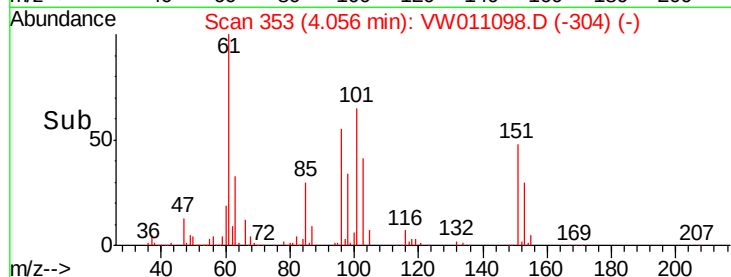
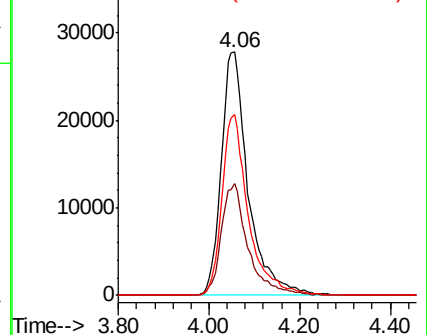
151 73.0 58.9 88.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.323 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

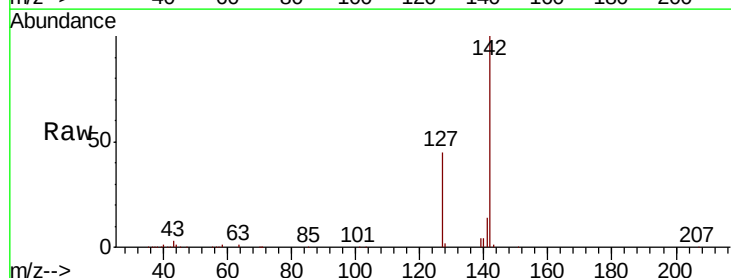
Tgt Ion:142 Resp: 167978

Ion Ratio Lower Upper

142 100

127 44.5 35.8 53.8

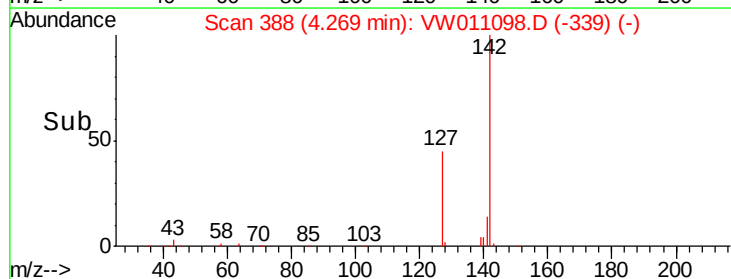
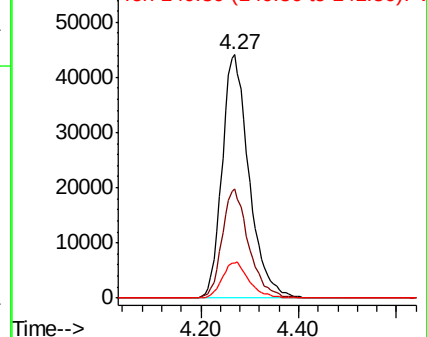
141 14.7 12.2 18.2

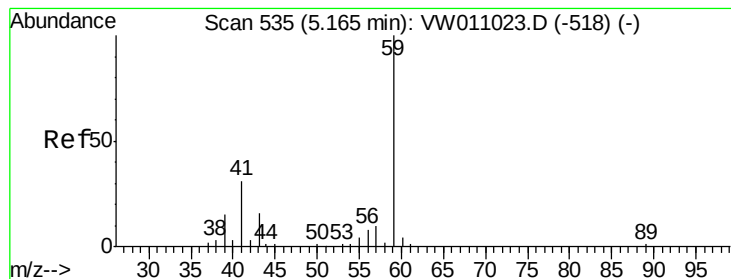


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



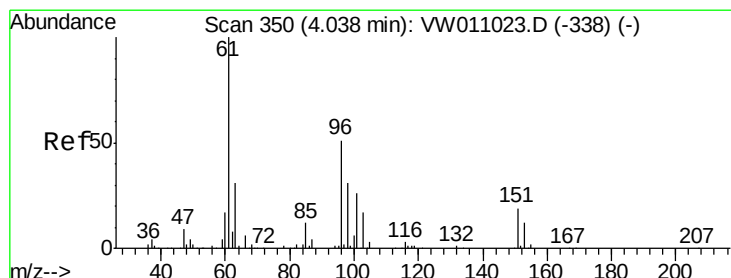
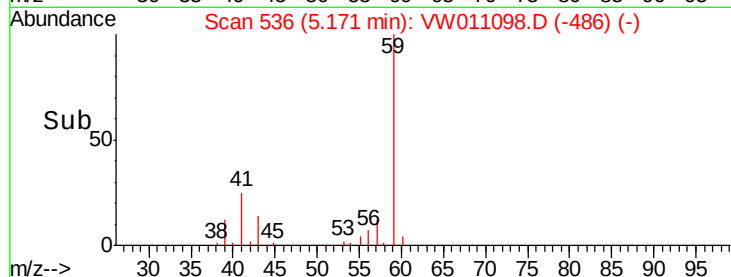
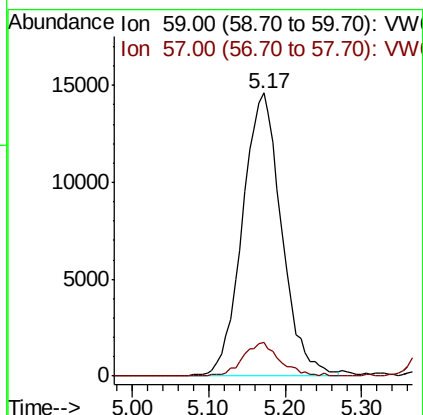
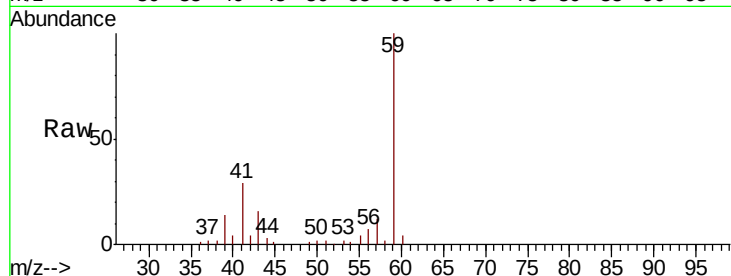


#11

Tert butyl alcohol
 Concen: 269.911 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

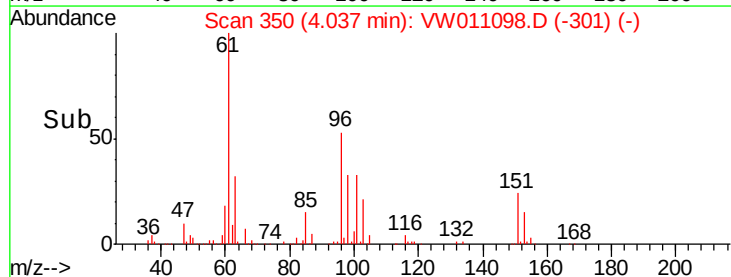
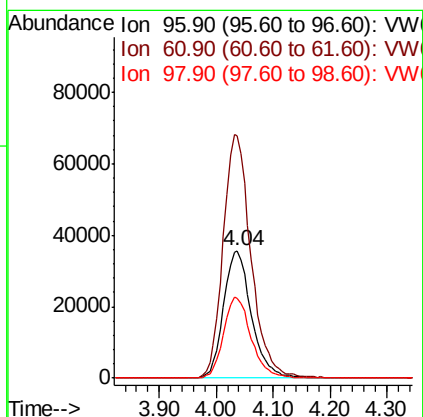
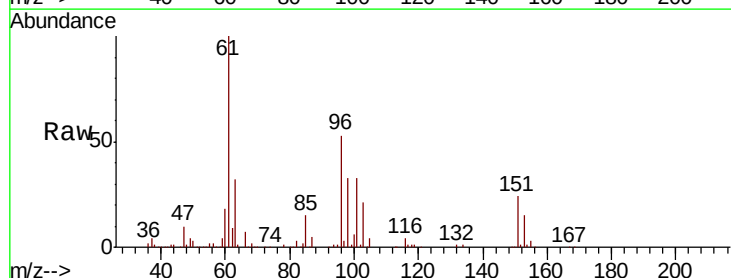
Tot Ion: 59 Resp: 52081
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.4

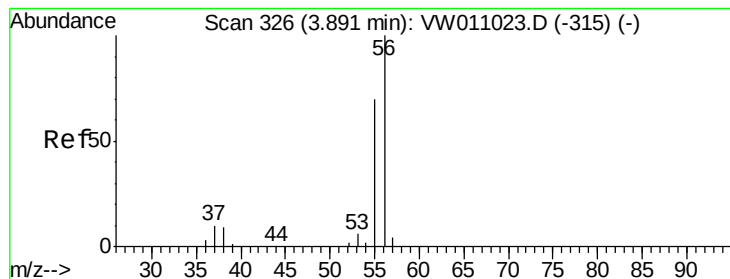


#12

1,1-Dichloroethene
 Concen: 52.890 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 96 Resp: 121674
 Ion Ratio Lower Upper
 96 100
 61 190.2 156.0 234.0
 98 63.2 48.7 73.1





#13

Acrolein

Concen: 252.824 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

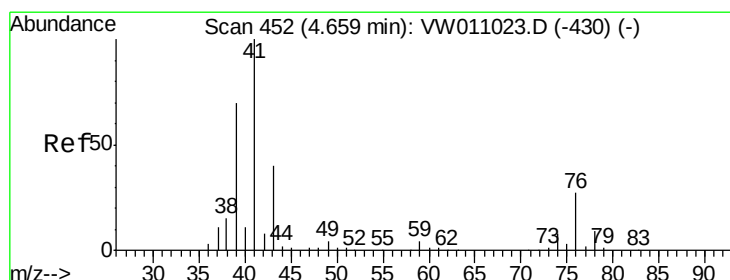
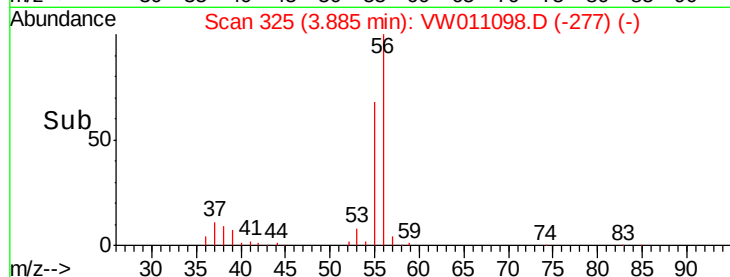
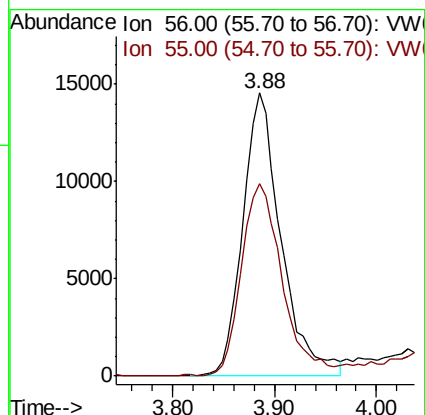
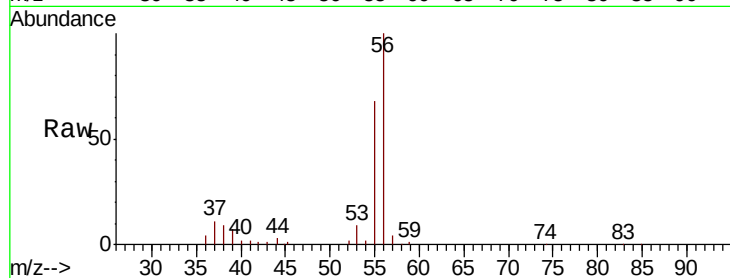
VSTDCCC050EC

Tot Ion: 56 Resp: 38042

Ion Ratio Lower Upper

56 100

55 72.2 55.7 83.5



#14

Allyl chloride

Concen: 56.944 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

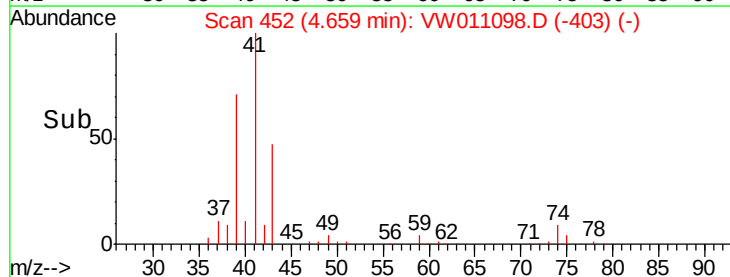
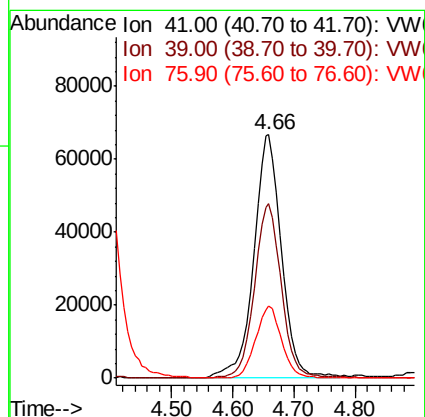
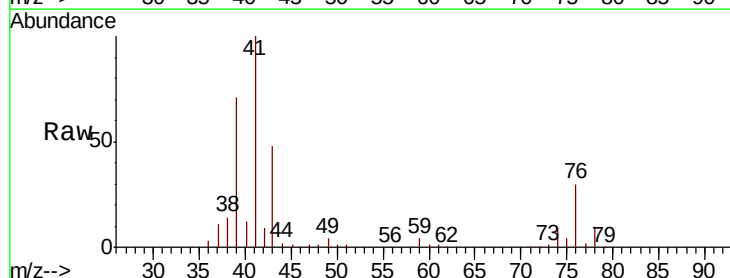
Tgt Ion: 41 Resp: 210841

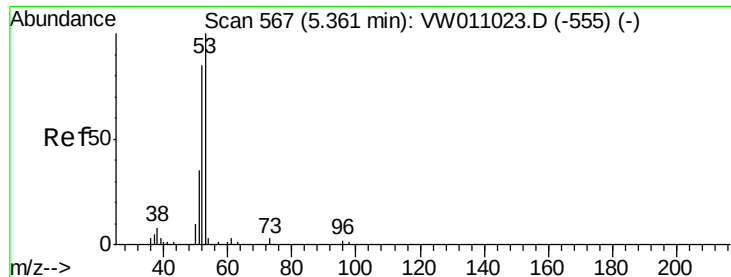
Ion Ratio Lower Upper

41 100

39 69.1 55.4 83.2

76 27.3 22.0 33.0





#15

Acrylonitrile

Concen: 302.867 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

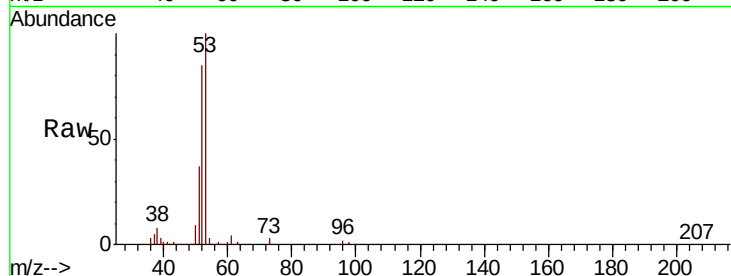
Tot Ion: 53 Resp: 185617

Ion Ratio Lower Upper

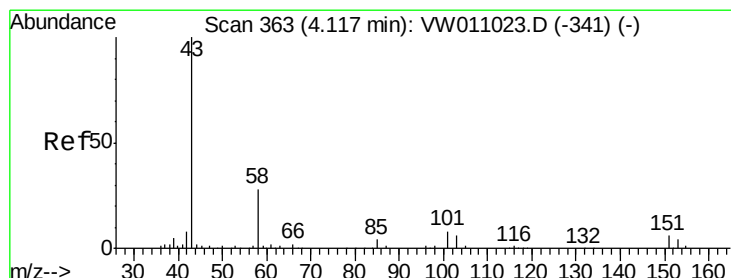
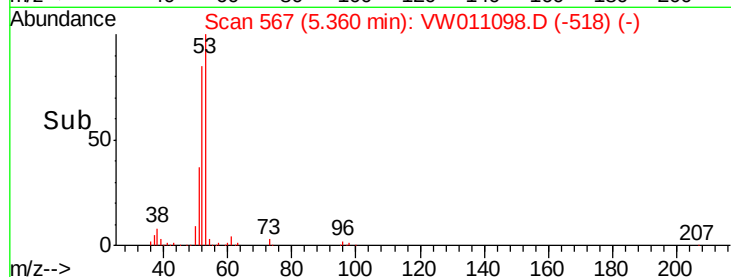
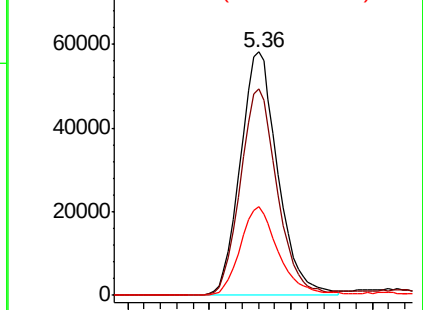
53 100

52 83.2 66.3 99.5

51 37.4 29.8 44.6



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: 261.432 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011098.D

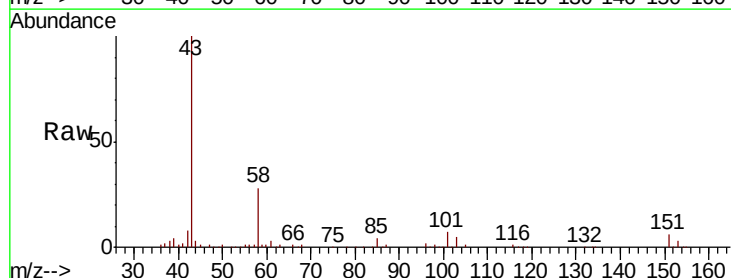
Acq: 01 Jul 2019 21:08

Tgt Ion: 43 Resp: 169539

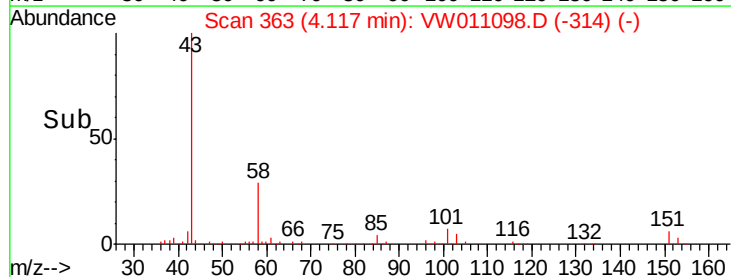
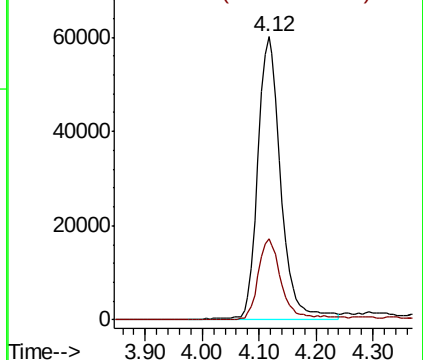
Ion Ratio Lower Upper

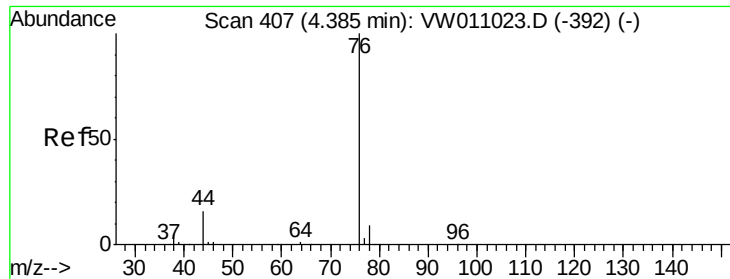
43 100

58 28.2 22.5 33.7



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

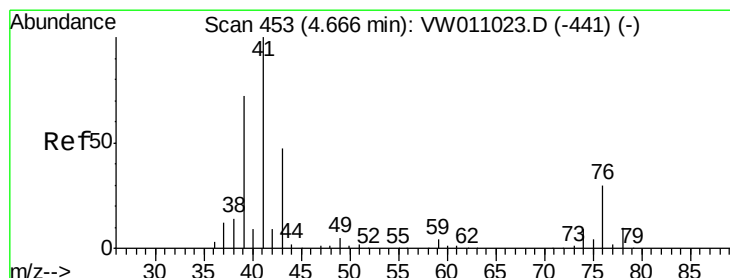
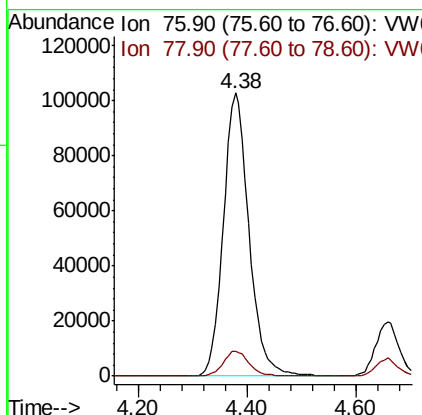
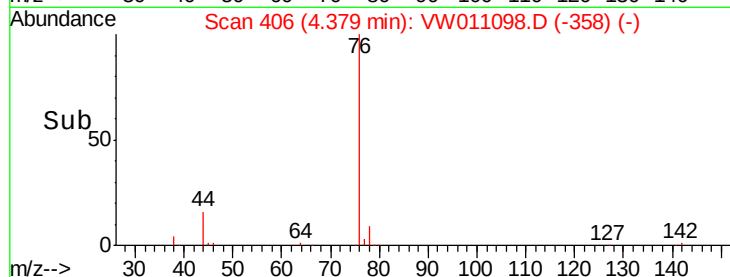
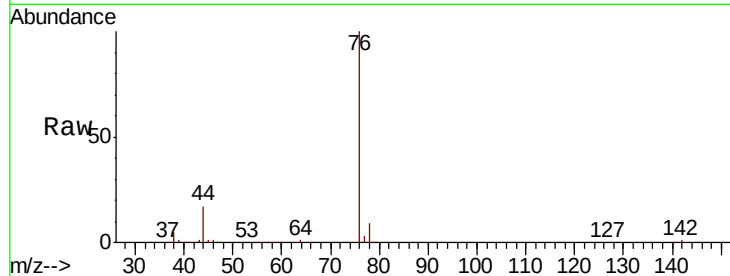




#17
Carbon Disulfide
Concen: 51.556 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

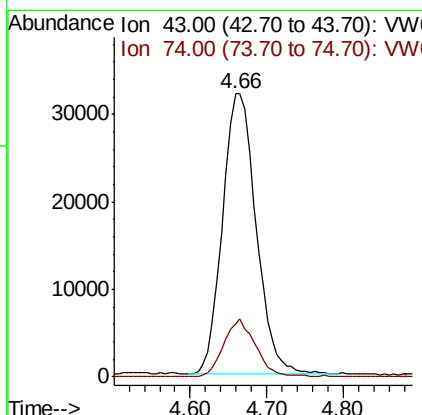
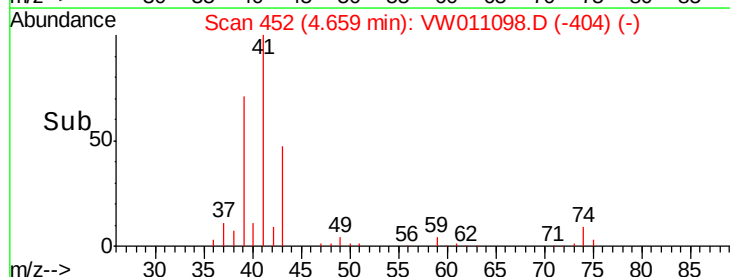
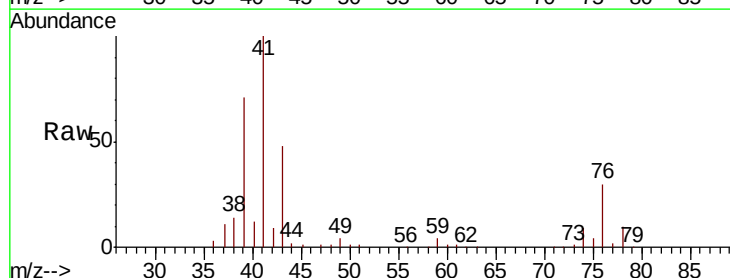
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

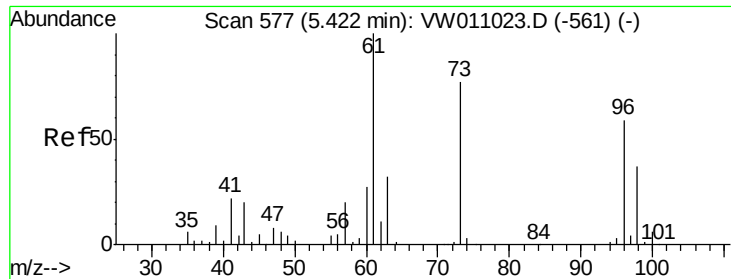
Tot Ion: 76 Resp: 336482
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8



#18
Methyl Acetate
Concen: 58.356 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 43 Resp: 98030
Ion Ratio Lower Upper
43 100
74 19.6 15.8 23.8

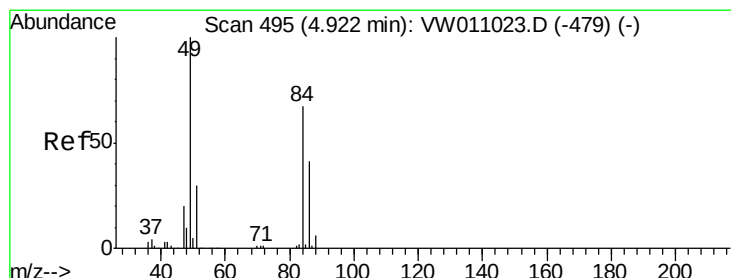
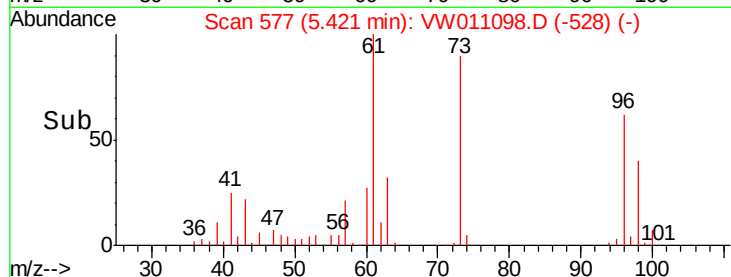
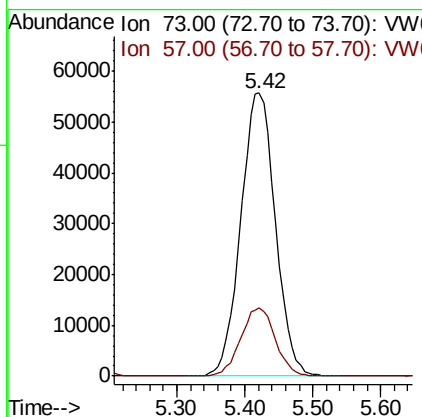
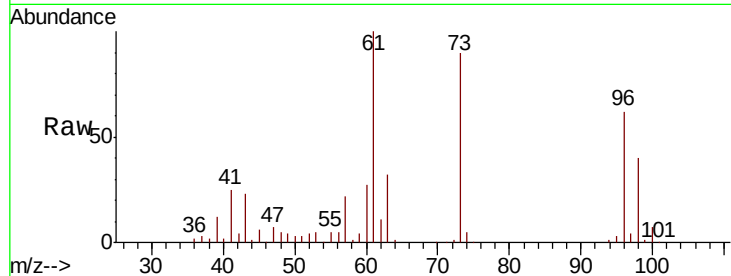




#19
Methyl tert-butyl Ether
Concen: 60.385 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

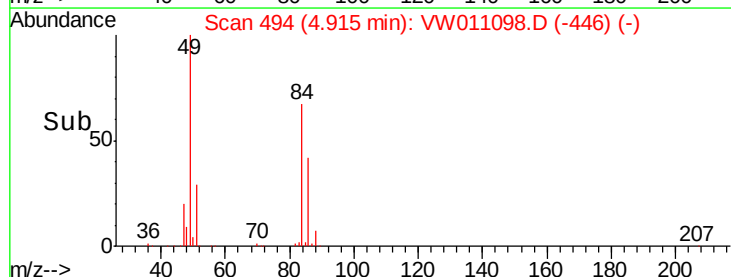
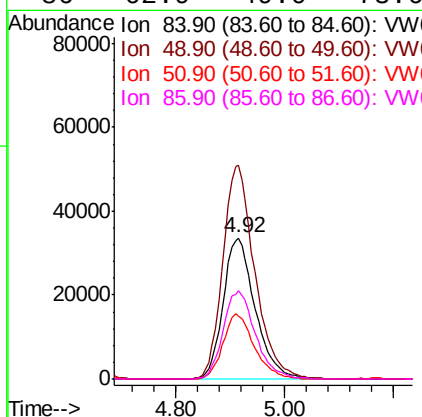
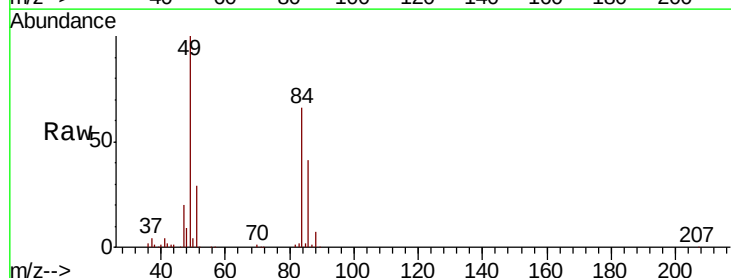
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

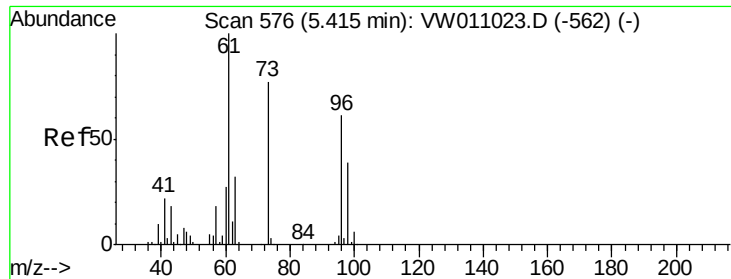
Tot Ion: 73 Resp: 196620
Ion Ratio Lower Upper
73 100
57 24.0 20.8 31.2



#20
Methylene Chloride
Concen: 51.992 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 84 Resp: 136992
Ion Ratio Lower Upper
84 100
49 151.5 119.6 179.4
51 44.7 35.6 53.4
86 62.9 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 54.490 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

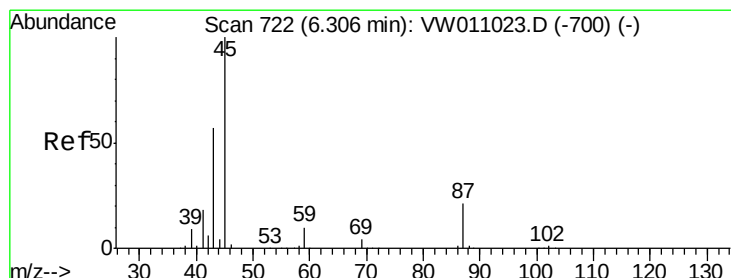
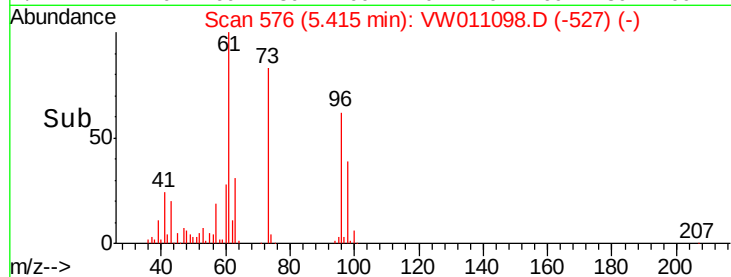
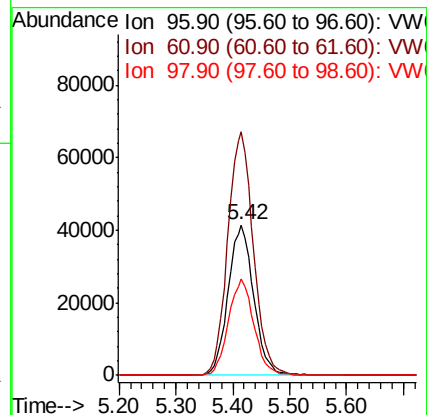
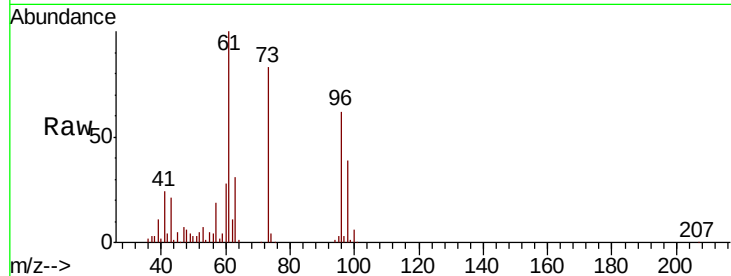
Tot Ion: 96 Resp: 129171

Ion Ratio Lower Upper

96 100

61 162.2 131.0 196.4

98 64.0 50.8 76.2



#22

Diisopropyl ether

Concen: 57.577 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Tgt Ion: 45 Resp: 513016

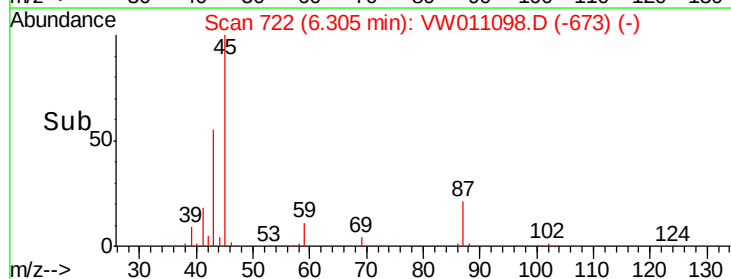
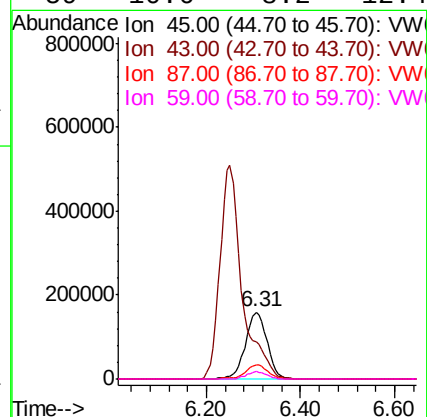
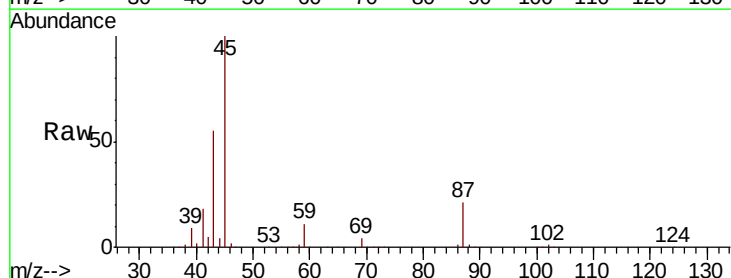
Ion Ratio Lower Upper

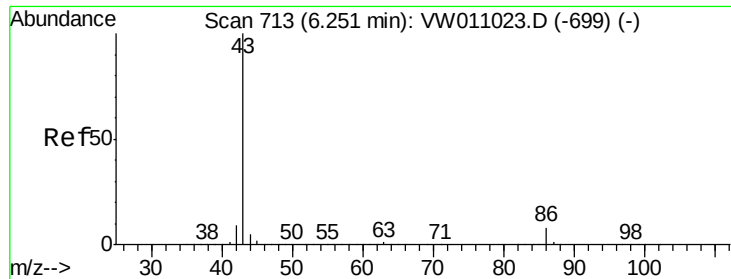
45 100

43 54.9 45.8 68.6

87 21.5 17.1 25.7

59 10.6 8.2 12.4





#23

Vinyl Acetate

Concen: 300.845 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

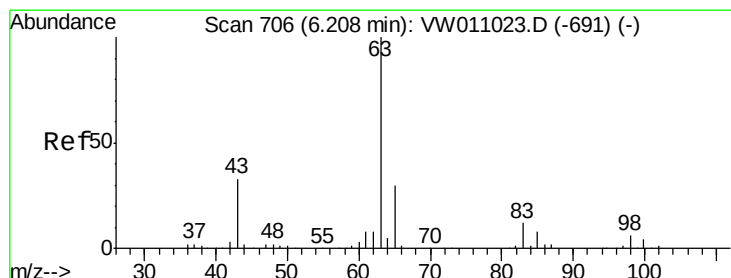
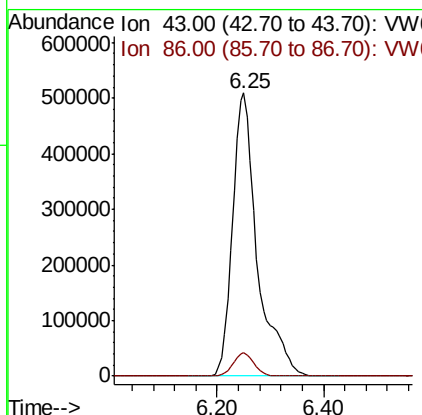
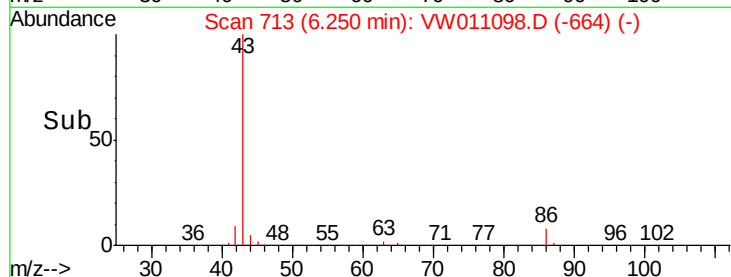
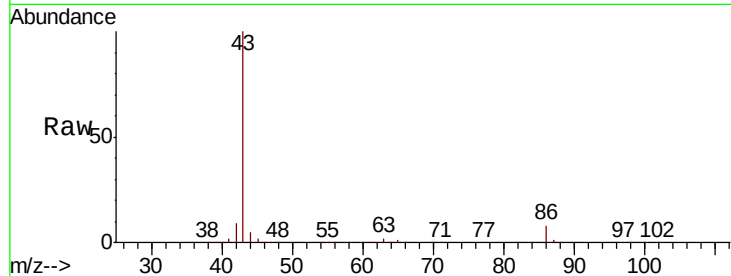
VSTDCCC050EC

Tot Ion: 43 Resp: 1651653

Ion Ratio Lower Upper

43 100

86 8.2 6.6 10.0



#24

1,1-Dichloroethane

Concen: 55.751 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

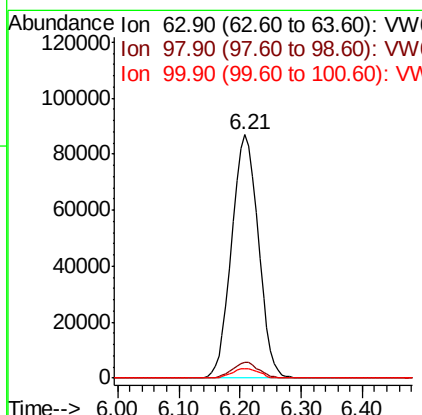
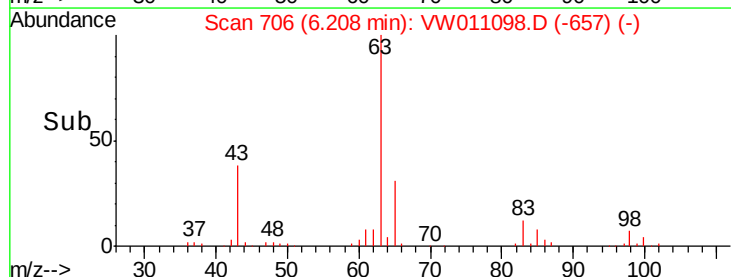
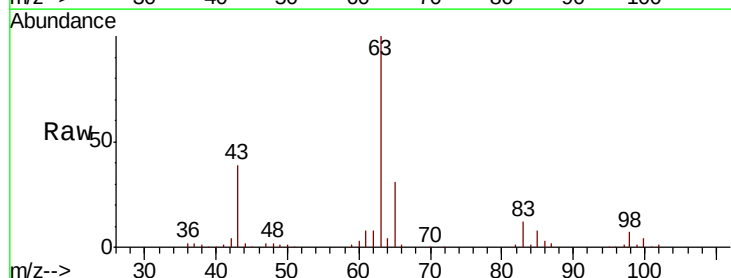
Tgt Ion: 63 Resp: 262205

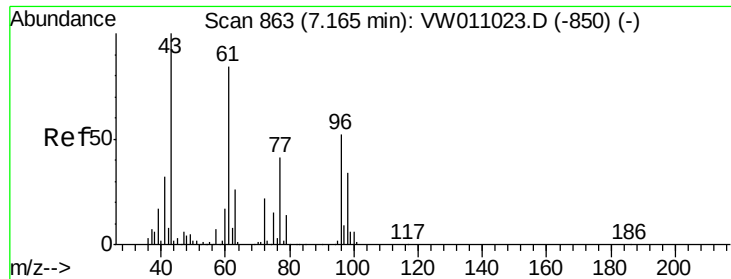
Ion Ratio Lower Upper

63 100

98 6.5 3.1 9.4

100 3.8 2.1 6.2





#25

2-Butanone

Concen: 290.528 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

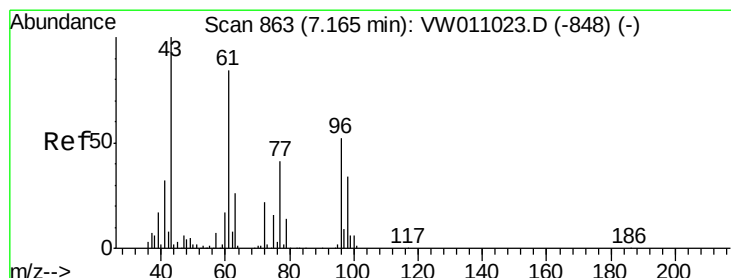
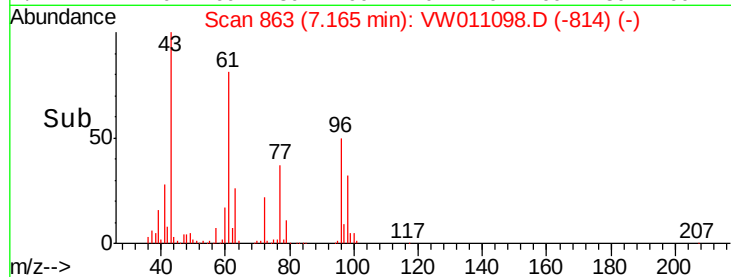
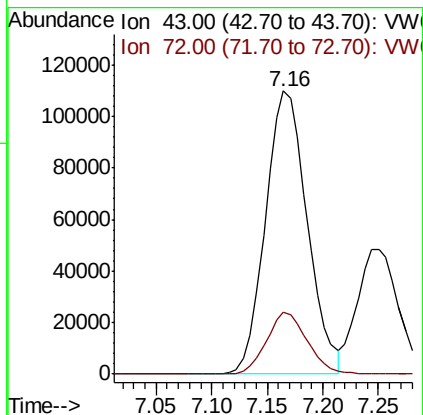
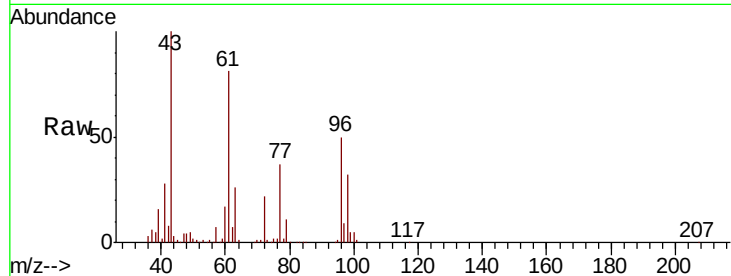
VSTDCCC050EC

Tot Ion: 43 Resp: 286387

Ion Ratio Lower Upper

43 100

72 21.9 17.2 25.8



#26

2,2-Dichloropropane

Concen: 47.210 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011098.D

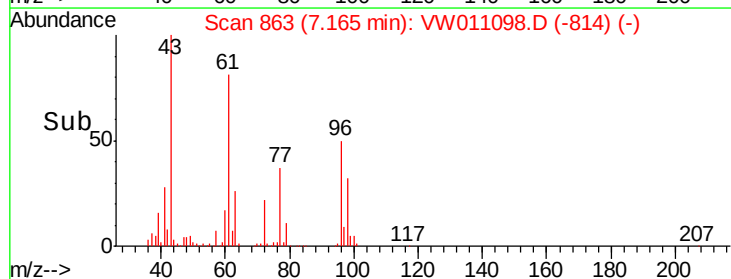
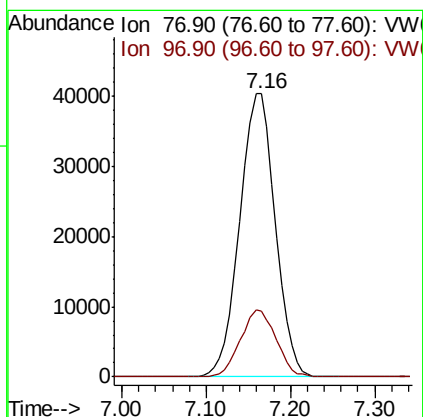
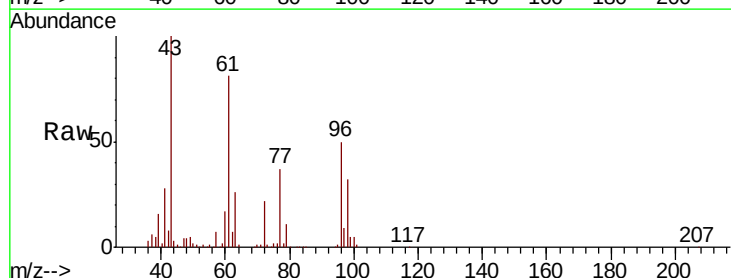
Acq: 01 Jul 2019 21:08

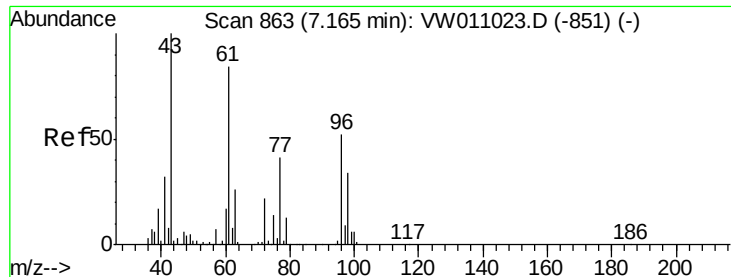
Tgt Ion: 77 Resp: 115282

Ion Ratio Lower Upper

77 100

97 23.8 10.9 32.7



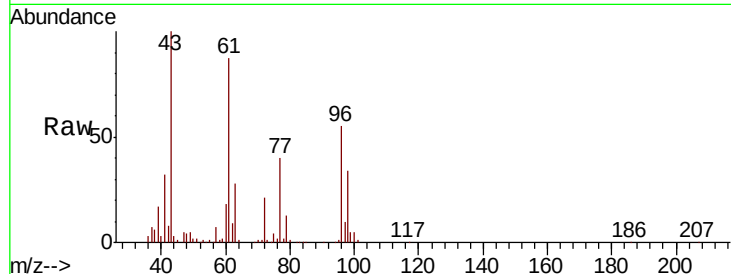


#27

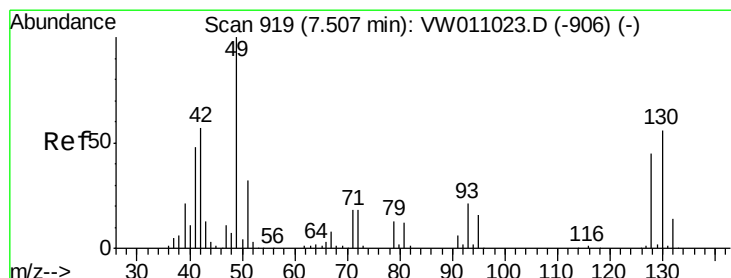
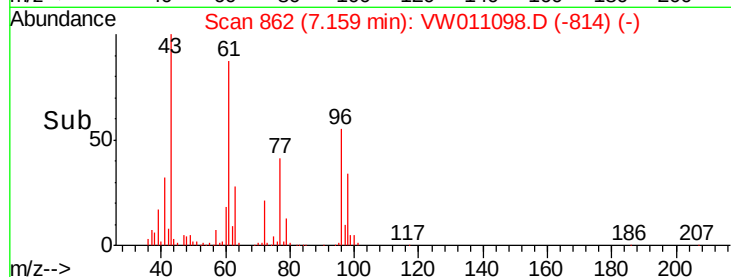
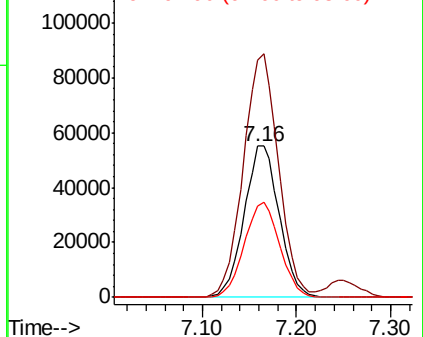
cis-1,2-Dichloroethene
 Concen: 56.378 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 143901
 Ion Ratio Lower Upper
 96 100
 61 161.4 0.0 330.4
 98 63.7 0.0 129.4



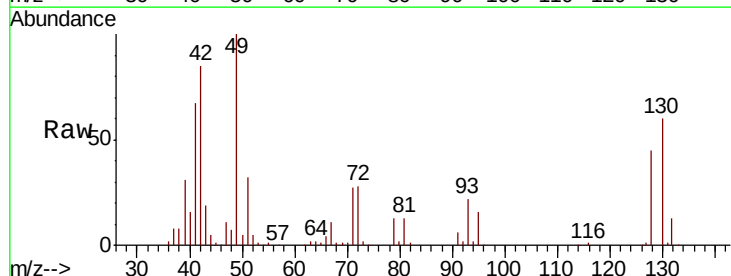
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



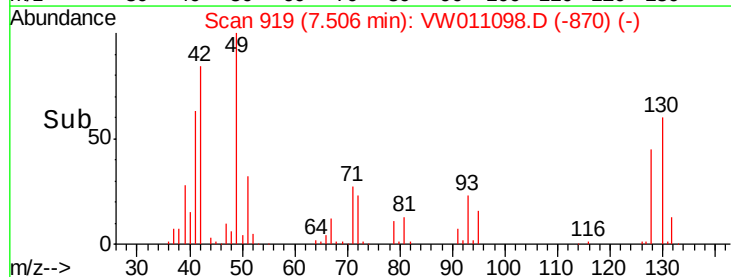
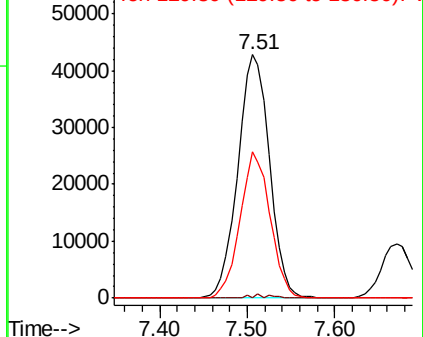
#28

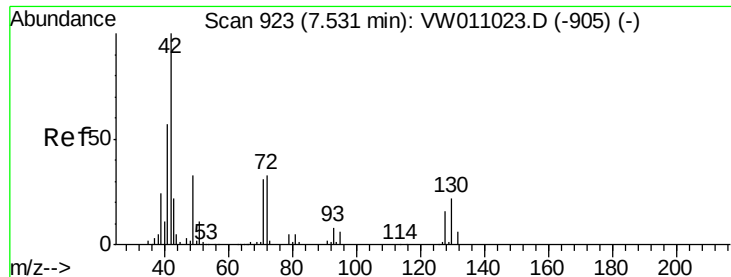
Bromochloromethane
 Concen: 49.208 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 49 Resp: 107739
 Ion Ratio Lower Upper
 49 100
 129 0.6 0.0 3.4
 130 56.9 46.1 69.1



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

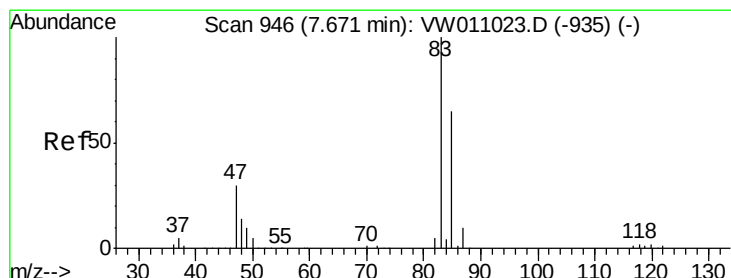
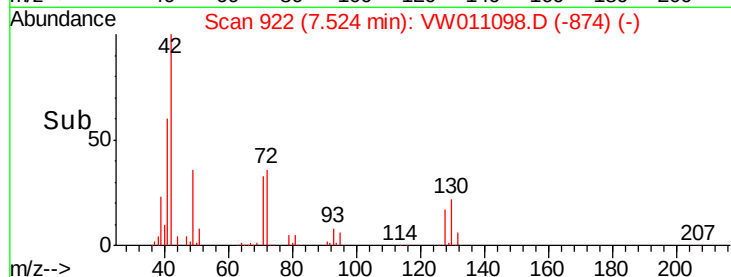
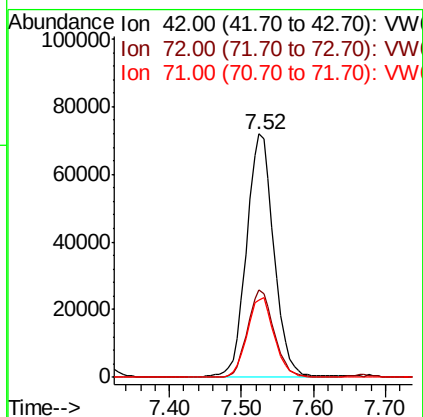
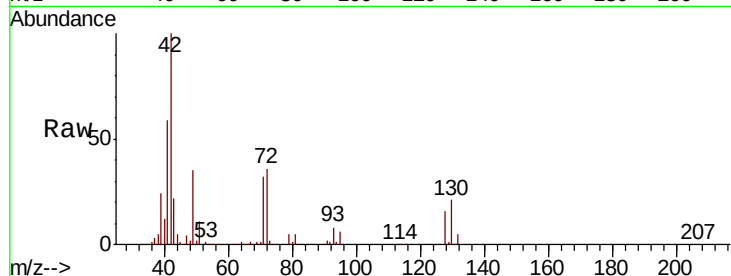




#29
Tetrahydrofuran
Concen: 308.642 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

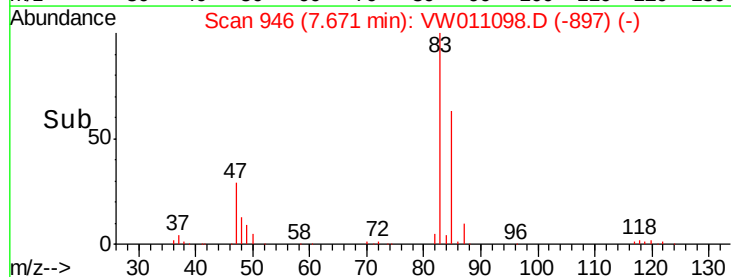
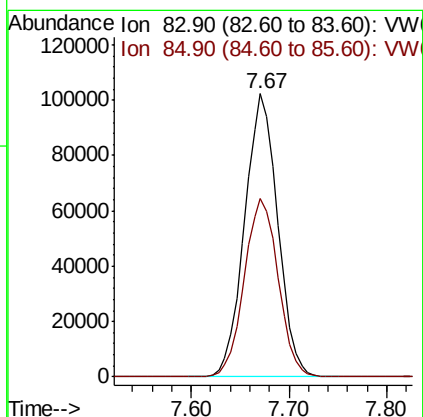
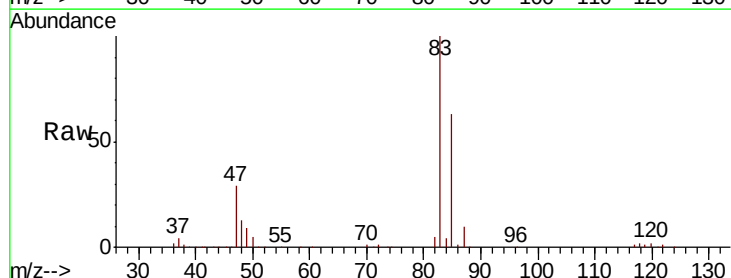
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

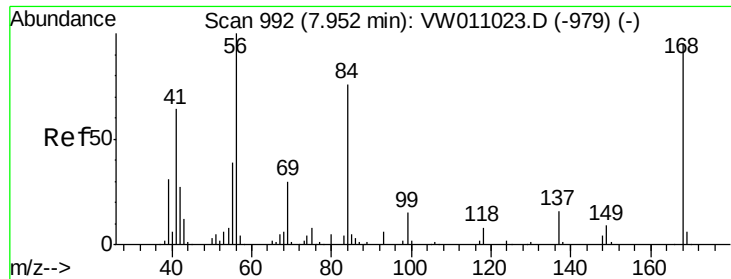
Tot Ion: 42 Resp: 189394
Ion Ratio Lower Upper
42 100
72 34.7 27.4 41.0
71 32.4 25.6 38.4



#30
Chloroform
Concen: 56.311 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 83 Resp: 240605
Ion Ratio Lower Upper
83 100
85 63.2 52.2 78.4

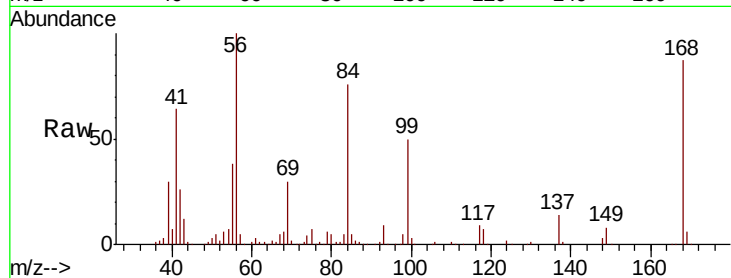




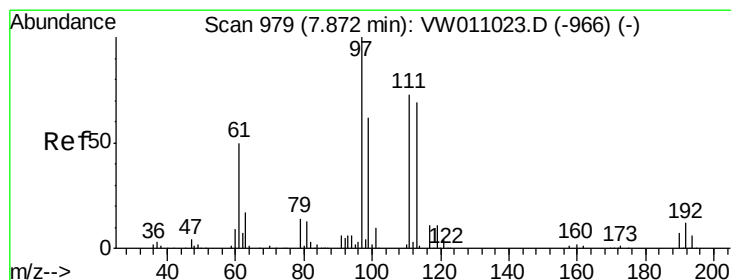
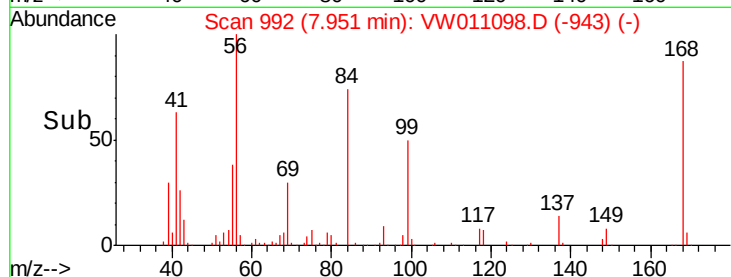
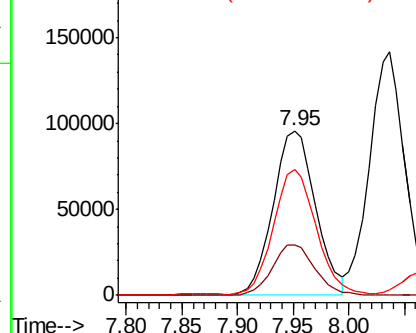
#31
Cyclohexane
Concen: 50.121 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 254713
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.2
84 75.2 60.6 90.8

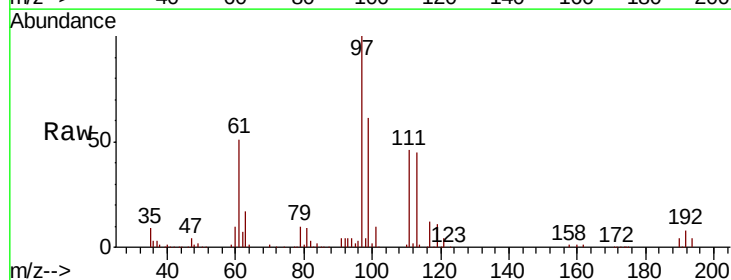


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

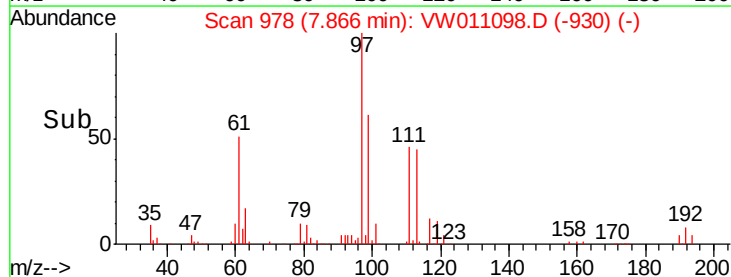
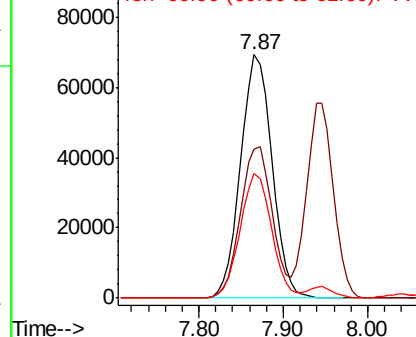


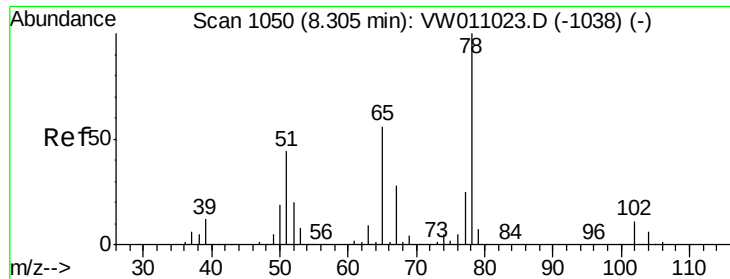
#32
1,1,1-Trichloroethane
Concen: 54.822 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 97 Resp: 175041
Ion Ratio Lower Upper
97 100
99 63.4 51.1 76.7
61 51.0 41.4 62.2



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

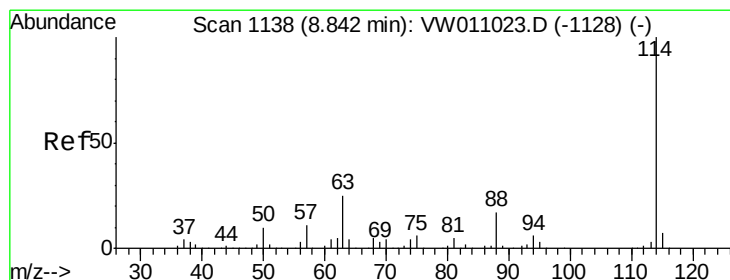
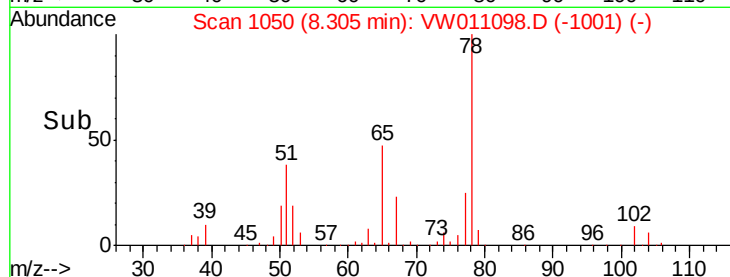
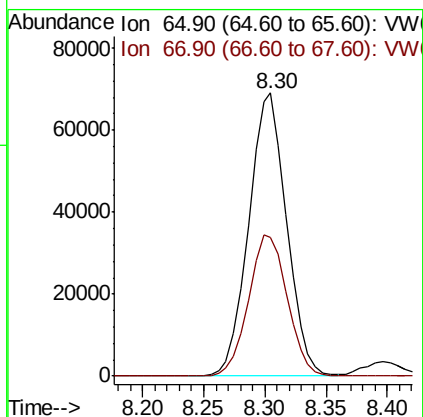
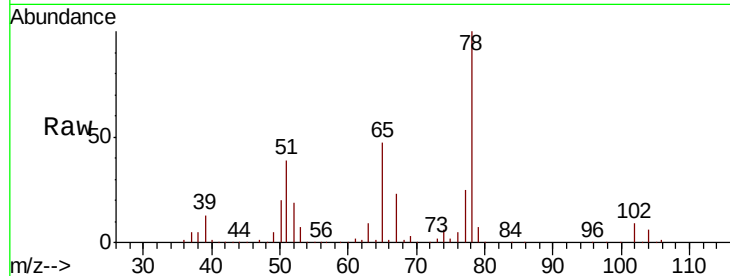




#33
 1,2-Dichloroethane-d4
 Concen: 55.926 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

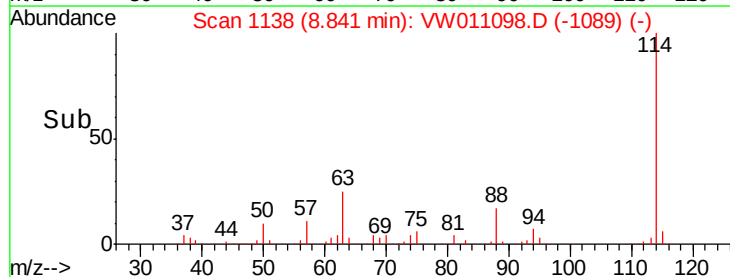
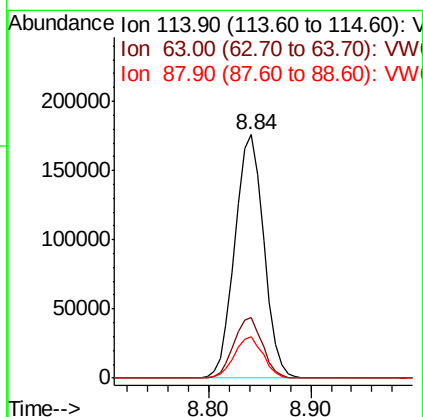
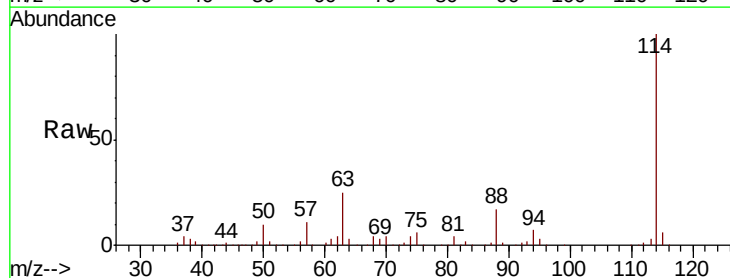
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

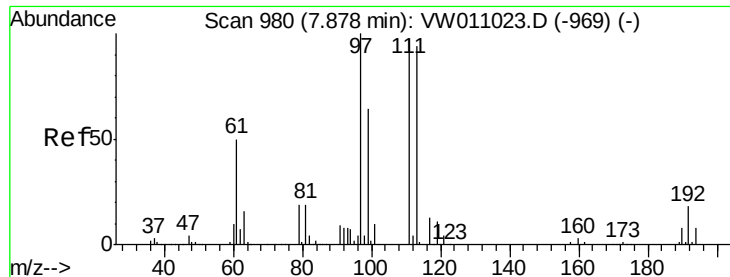
Tot Ion: 65 Resp: 148583
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 114 Resp: 344893
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 50.6
 88 16.7 0.0 34.0

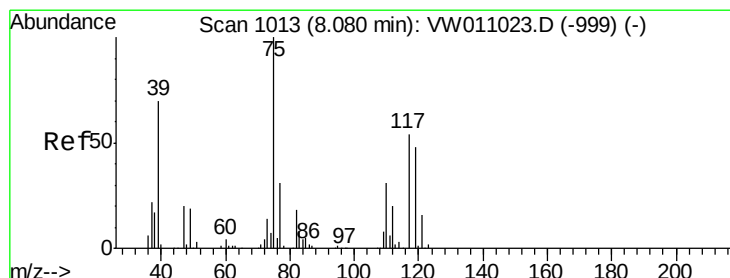
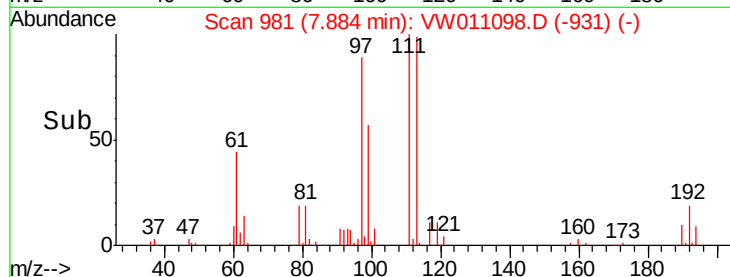
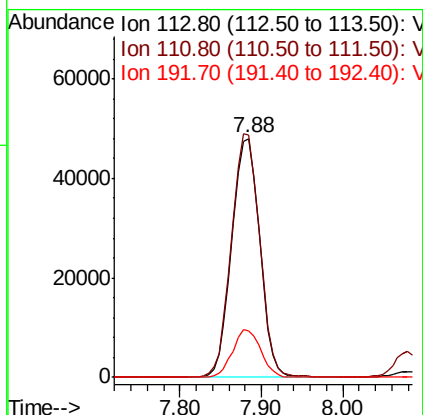
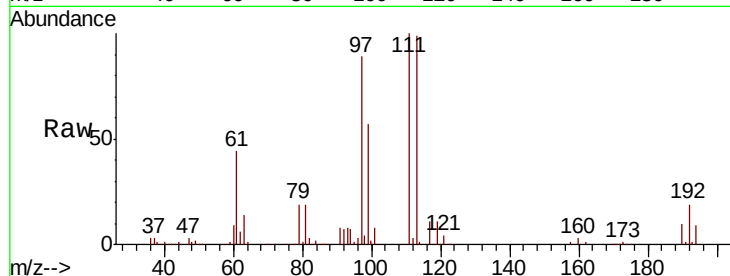




#35
 Dibromofluoromethane
 Concen: 54.104 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

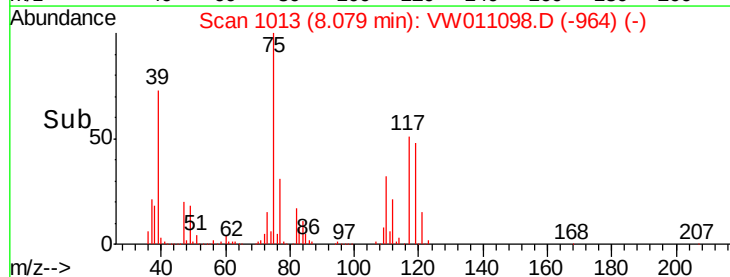
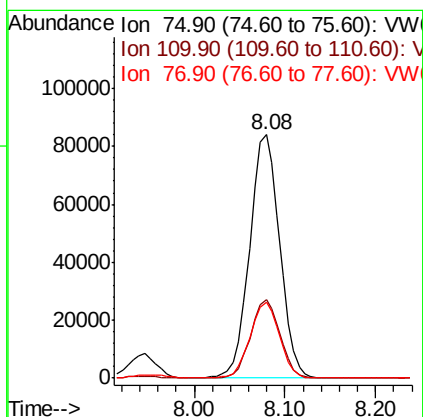
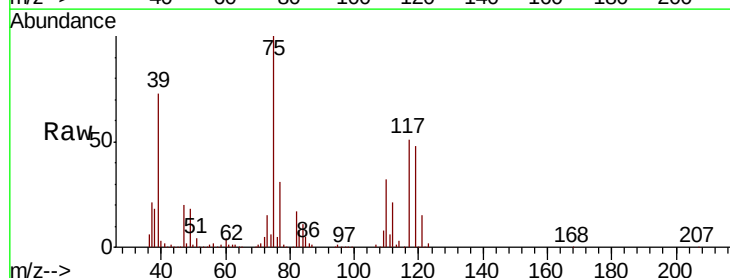
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

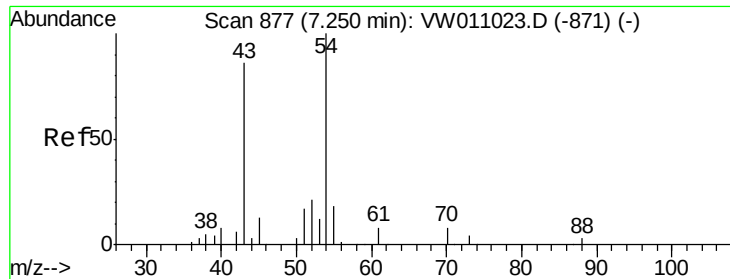
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.8	125.6
192	19.9	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 51.836 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.6	15.5	46.5
77	30.9	24.9	37.3

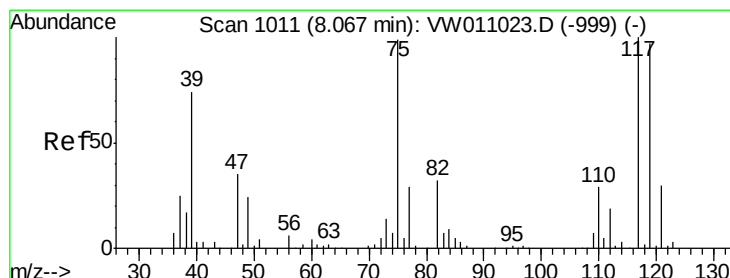
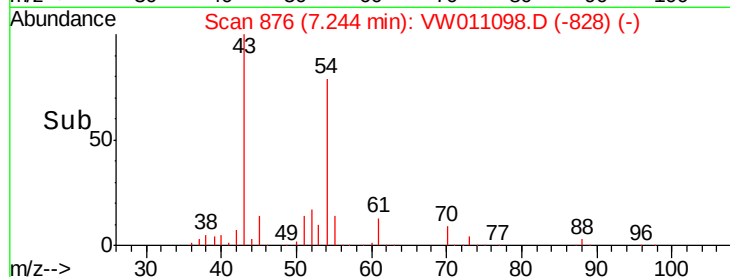
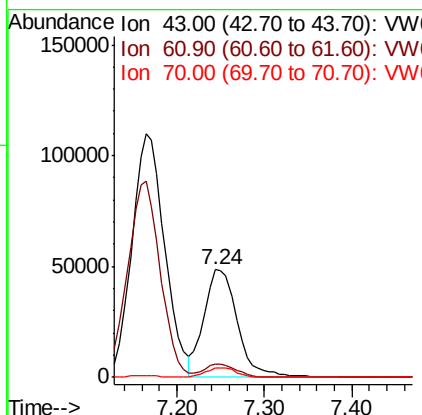
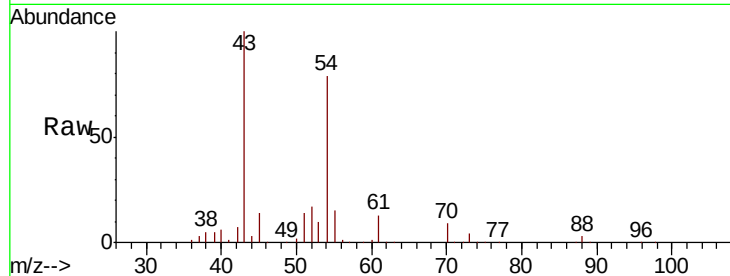




#37
Ethyl Acetate
Concen: 59.351 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

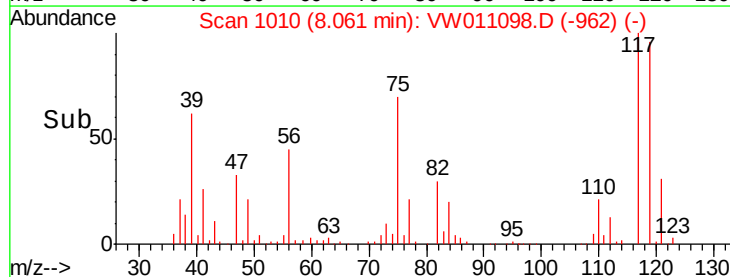
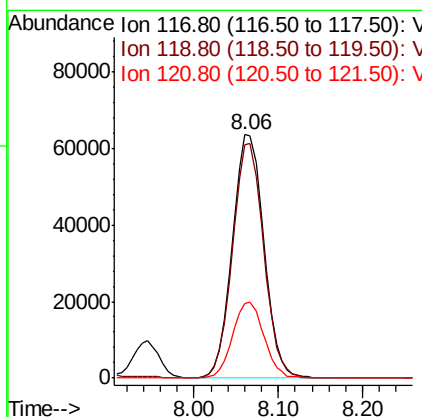
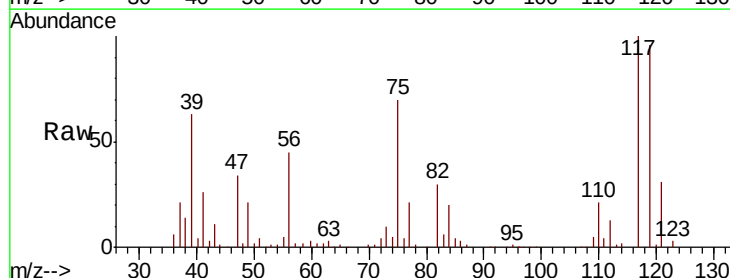
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

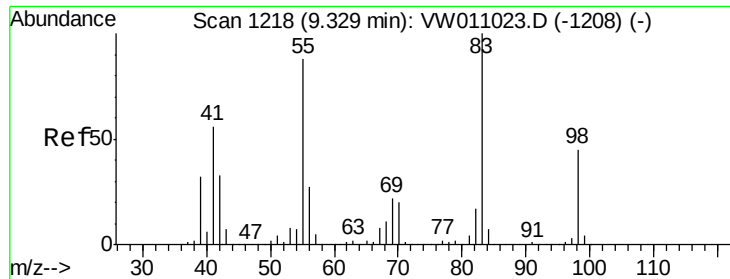
Tot Ion: 43 Resp: 127991
Ion Ratio Lower Upper
43 100
61 11.7 9.0 13.4
70 8.4 7.2 10.8



#38
Carbon Tetrachloride
Concen: 52.644 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 117 Resp: 160712
Ion Ratio Lower Upper
117 100
119 96.1 77.7 116.5
121 30.7 23.9 35.9

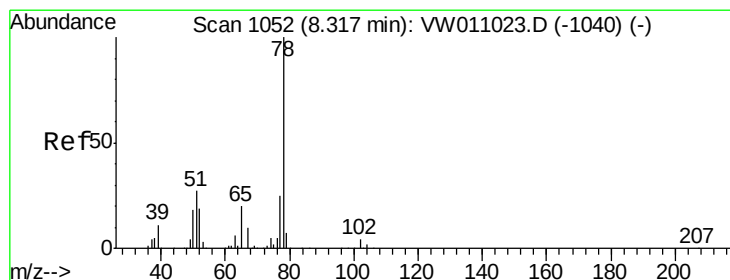
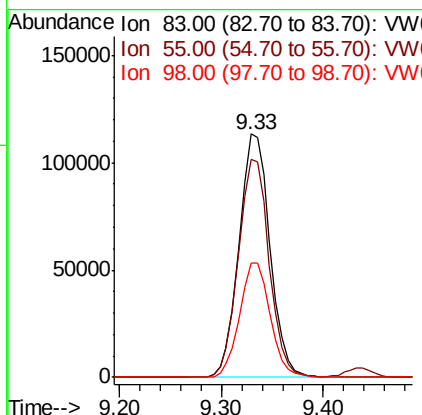
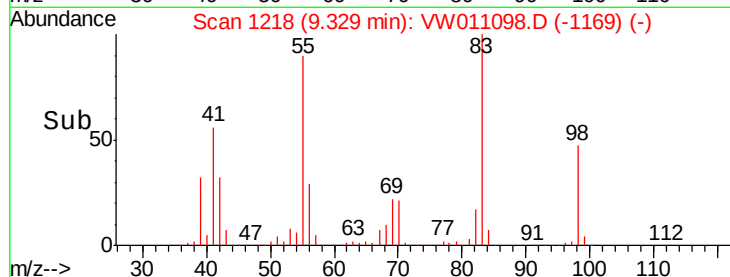
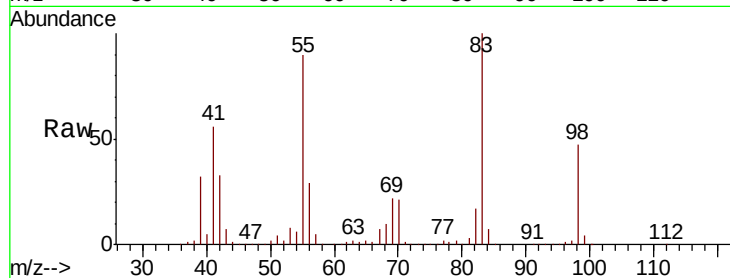




#39
Methylvlcyclohexane
Concen: 52.417 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

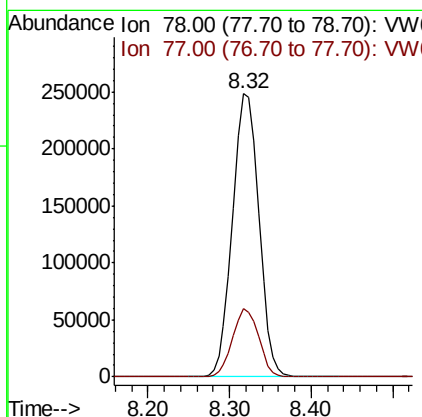
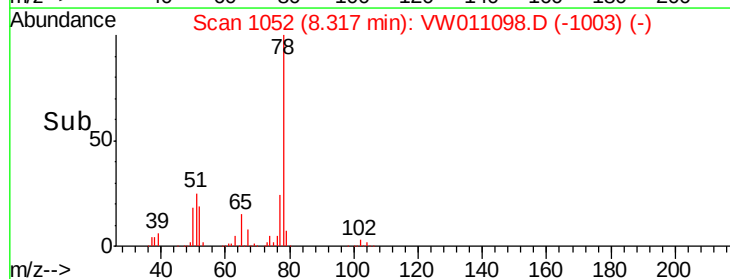
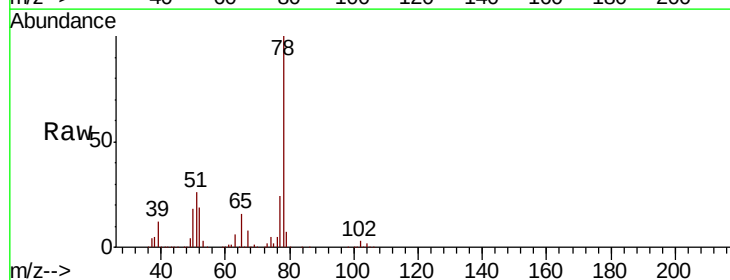
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

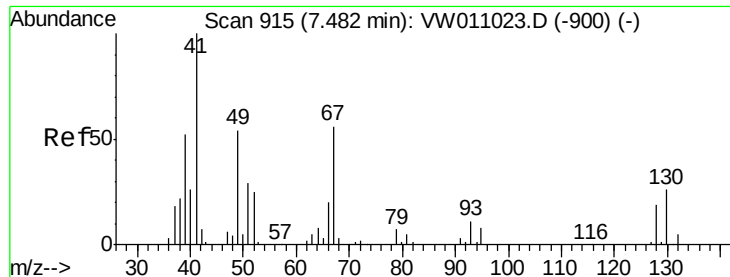
Tot Ion: 83 Resp: 239130
Ion Ratio Lower Upper
83 100
55 89.6 70.7 106.1
98 47.1 36.4 54.6



#40
Benzene
Concen: 54.508 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 78 Resp: 555753
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5





#41

Methacrylonitrile

Concen: 53.569 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 70284

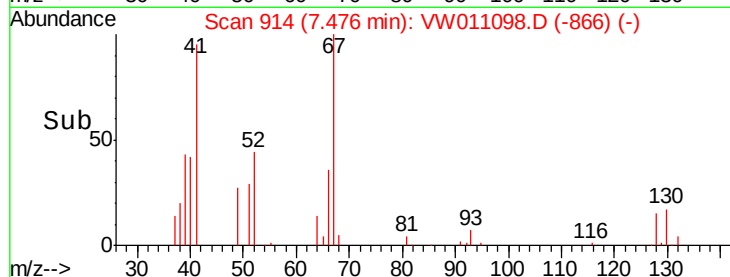
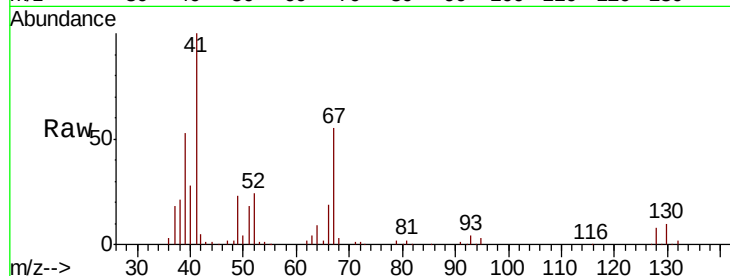
Ion Ratio Lower Upper

41 100

39 60.2 42.1 63.1

67 62.7 44.2 66.2

52 28.7 21.0 31.6

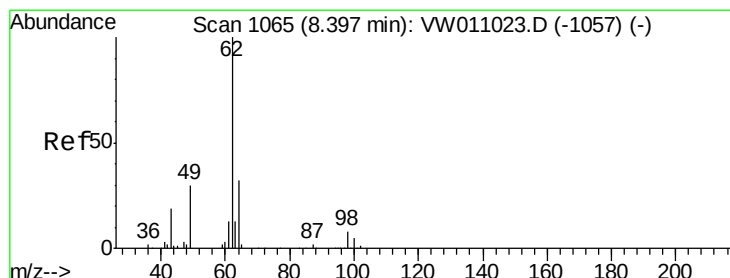
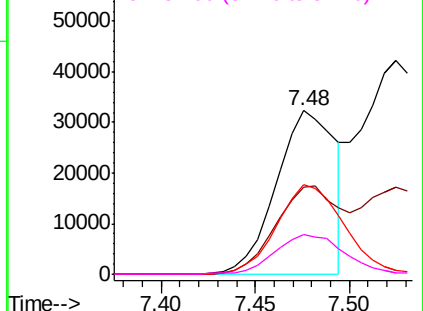


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 55.449 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011098.D

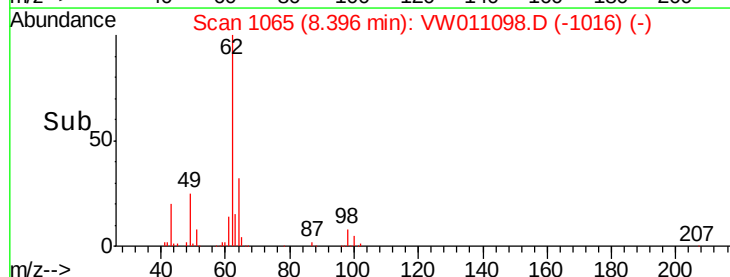
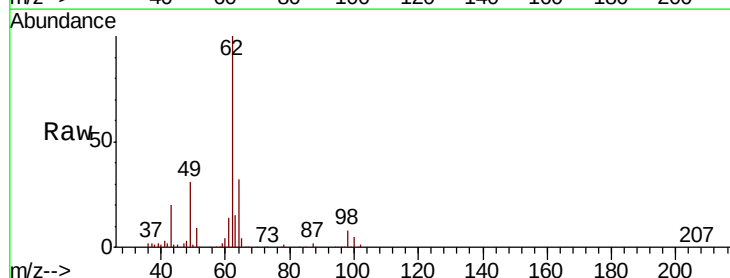
Acq: 01 Jul 2019 21:08

Tgt Ion: 62 Resp: 185368

Ion Ratio Lower Upper

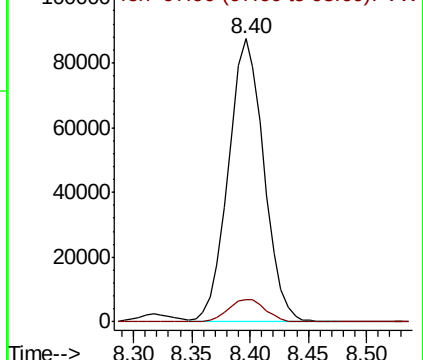
62 100

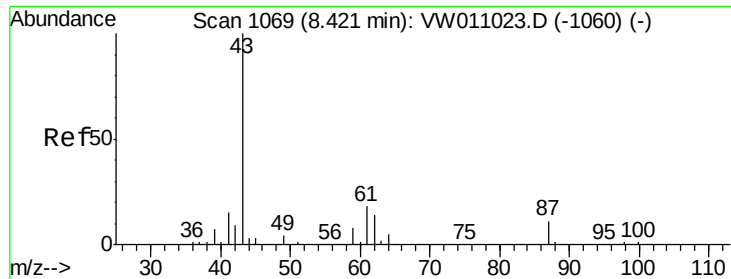
98 8.3 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 59.406 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

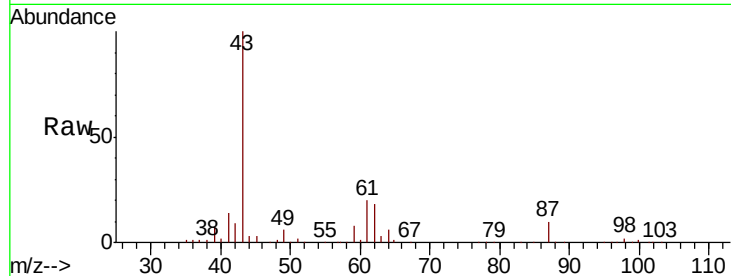
Tot Ion: 43 Resp: 242350

Ion Ratio Lower Upper

43 100

61 25.9 21.0 31.6

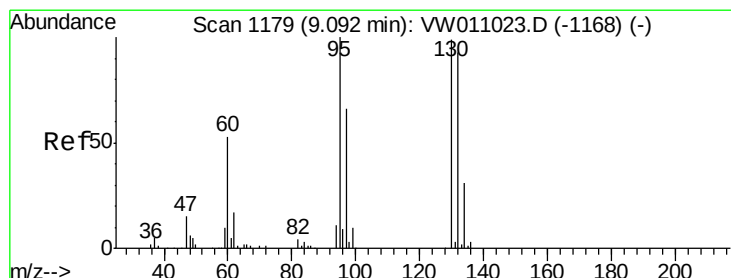
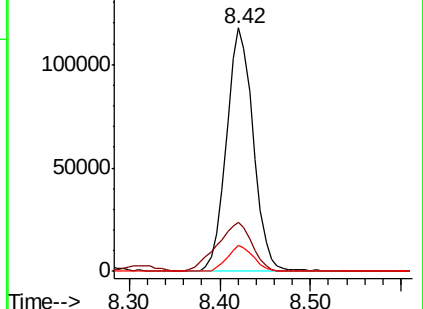
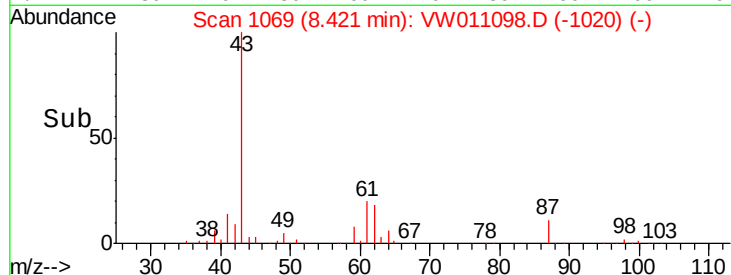
87 10.4 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 52.987 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011098.D

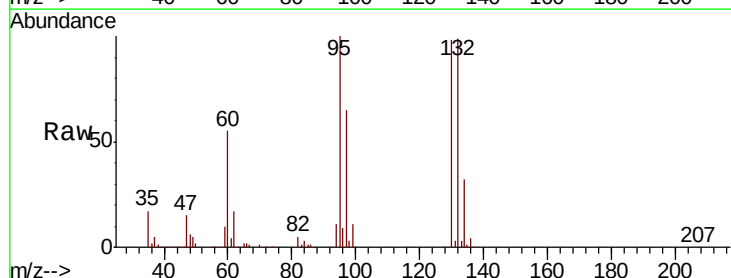
Acq: 01 Jul 2019 21:08

Tgt Ion:130 Resp: 130566

Ion Ratio Lower Upper

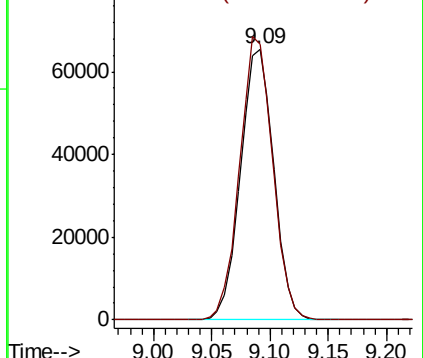
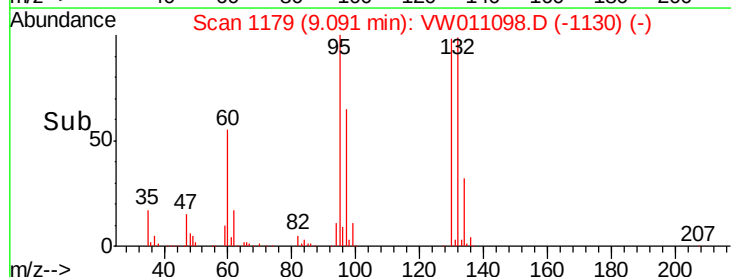
130 100

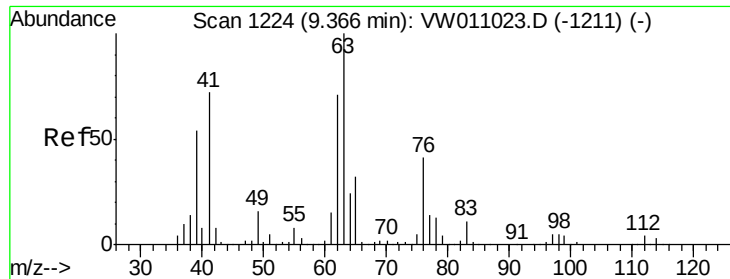
95 101.9 0.0 202.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

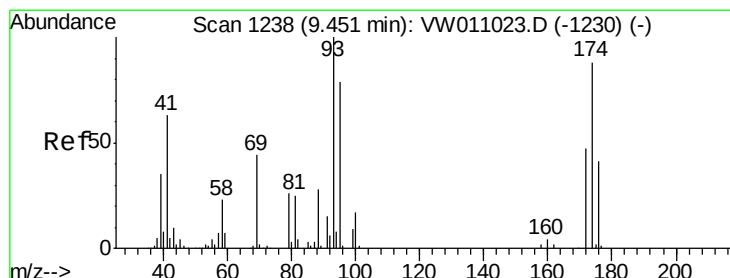
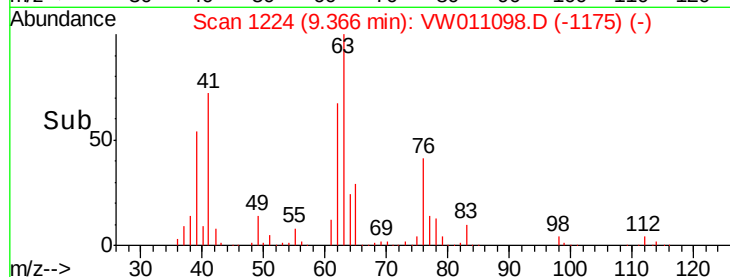
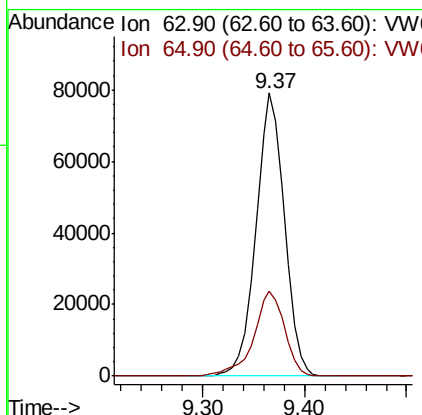
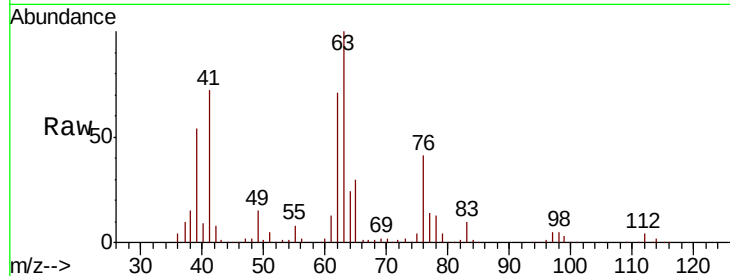




#45
 1,2-Dichloropropane
 Concen: 55.575 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

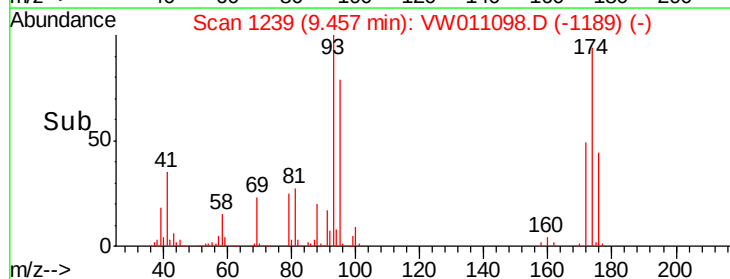
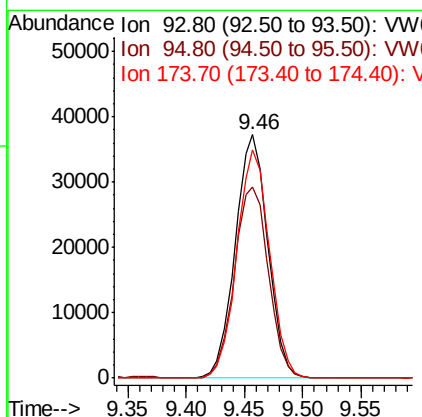
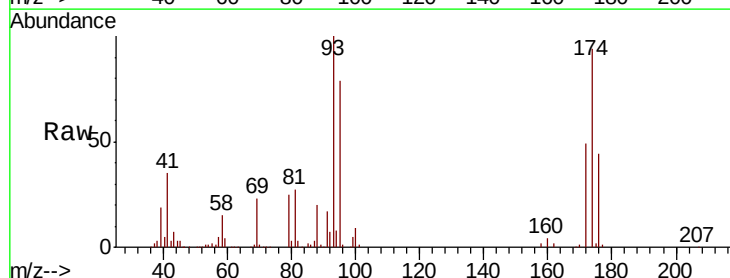
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

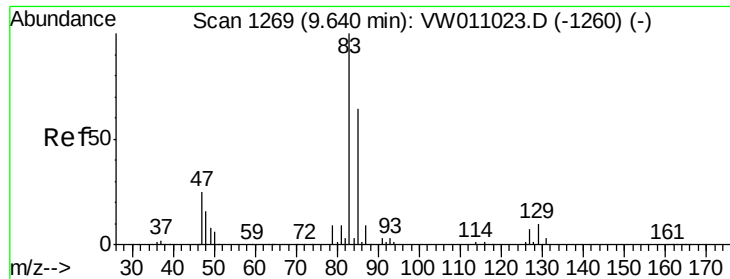
Tot Ion: 63 Resp: 153875
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.6 38.4



#46
 Dibromomethane
 Concen: 56.150 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 93 Resp: 72709
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.8 98.6
 174 94.3 75.4 113.0





#47

Bromodichloromethane

Concen: 56.196 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

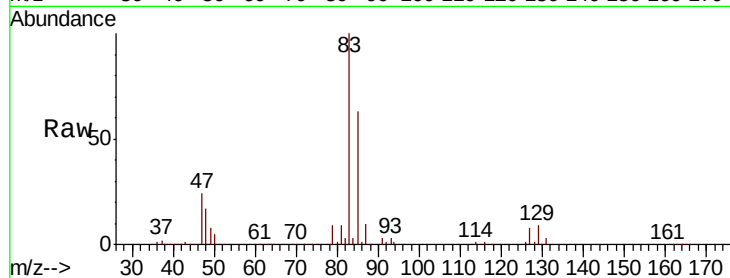
Tot Ion: 83 Resp: 180164

Ion Ratio Lower Upper

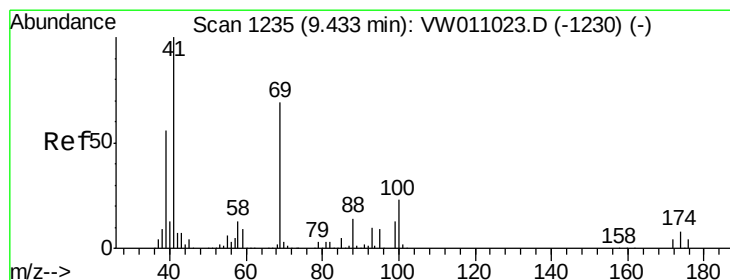
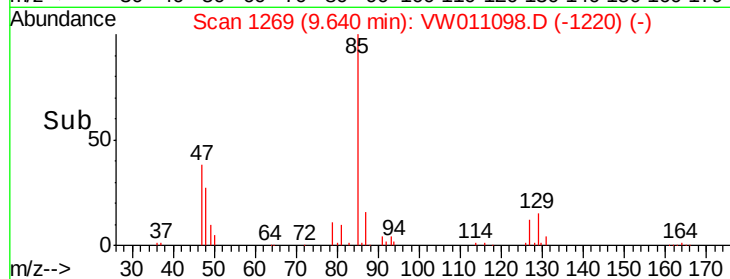
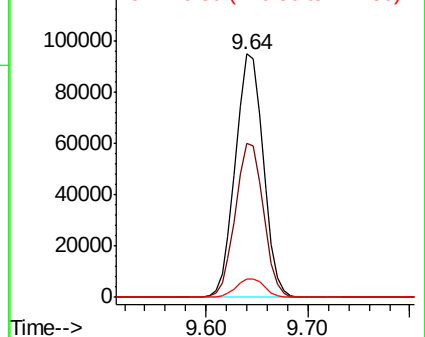
83 100

85 63.4 51.0 76.4

127 7.6 5.8 8.8



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: 60.390 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

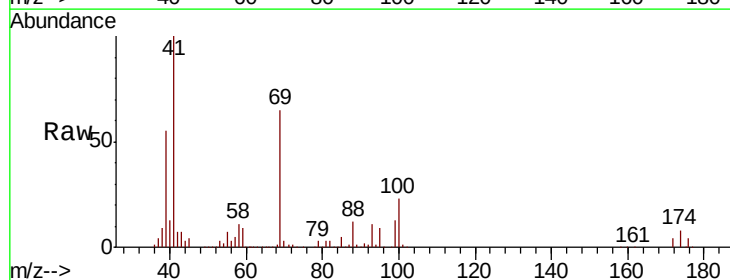
Tgt Ion: 41 Resp: 119454

Ion Ratio Lower Upper

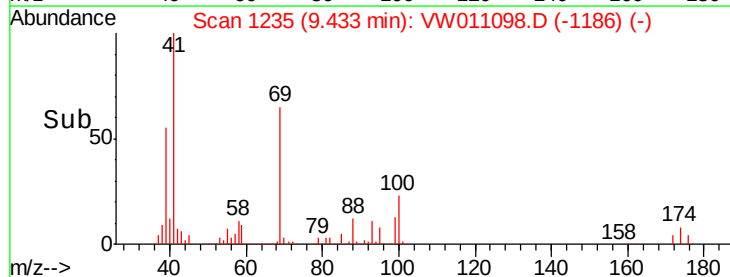
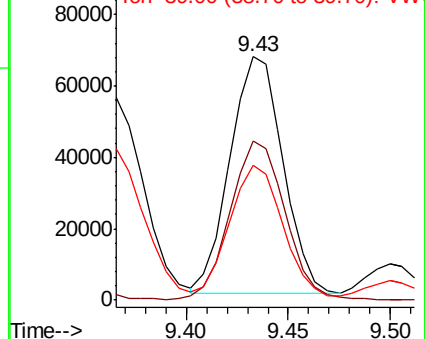
41 100

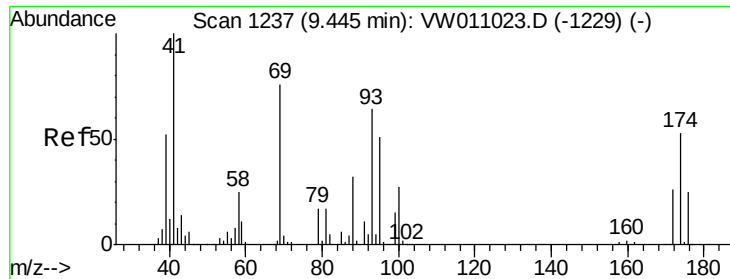
69 70.3 56.7 85.1

39 54.3 45.0 67.6



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: 1152.019 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

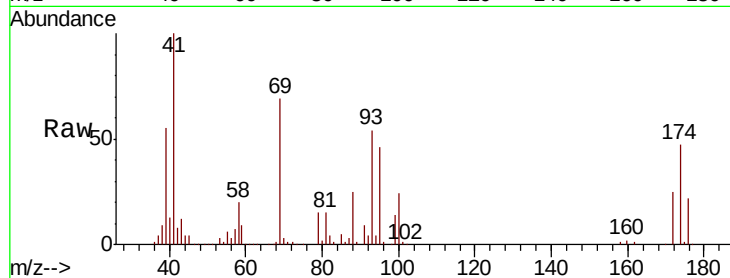
Tot Ion: 88 Resp: 25082

Ion Ratio Lower Upper

88 100

43 42.0 34.4 51.6

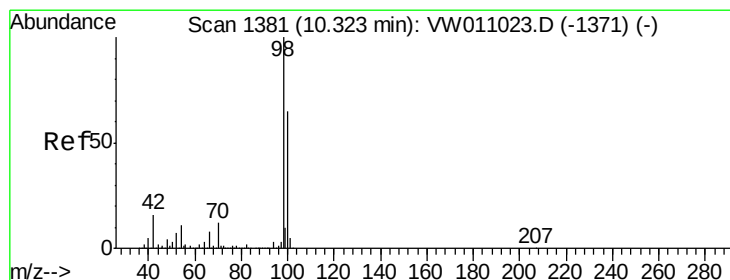
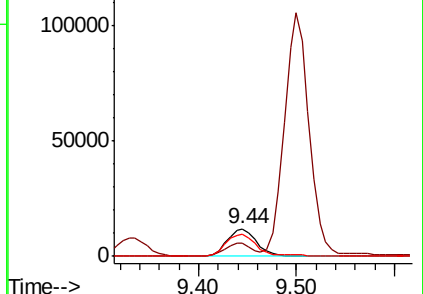
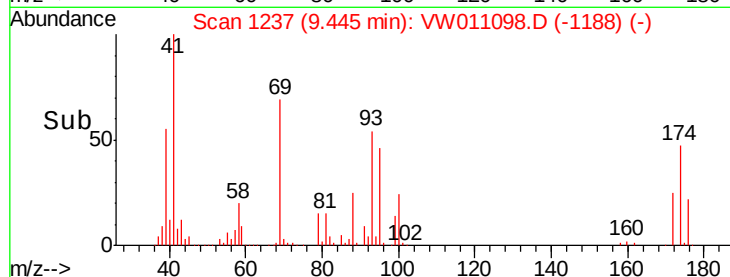
58 84.4 65.2 97.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.304 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011098.D

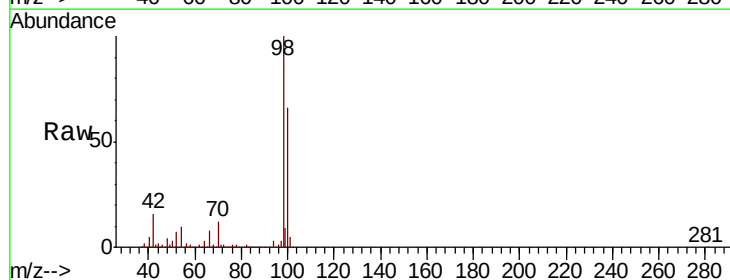
Acq: 01 Jul 2019 21:08

Tgt Ion: 98 Resp: 462100

Ion Ratio Lower Upper

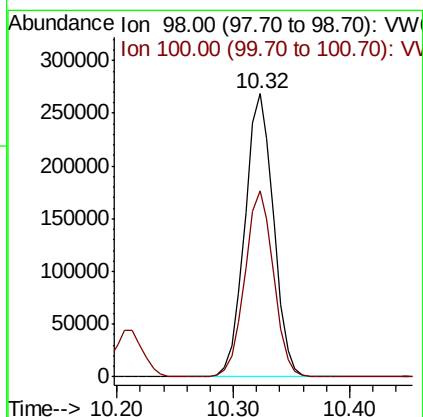
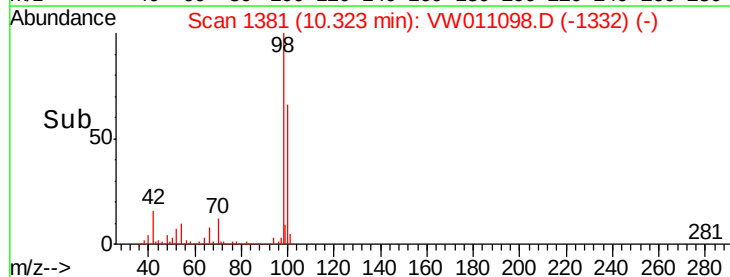
98 100

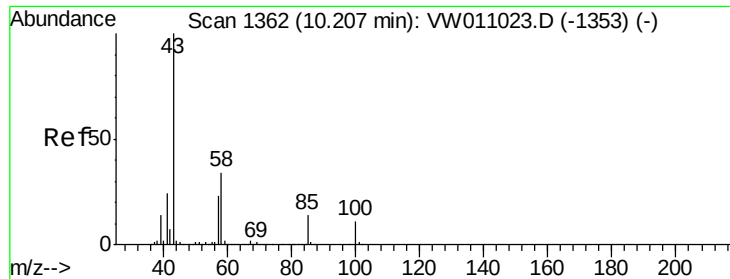
100 65.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 300.938 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

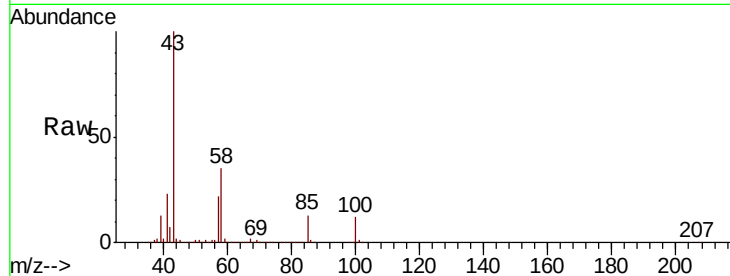
VSTDCCC050EC

Tot Ion: 43 Resp: 646247

Ion Ratio Lower Upper

43 100

58 35.0 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

400000

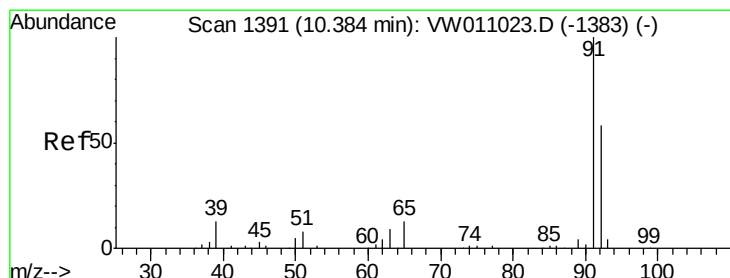
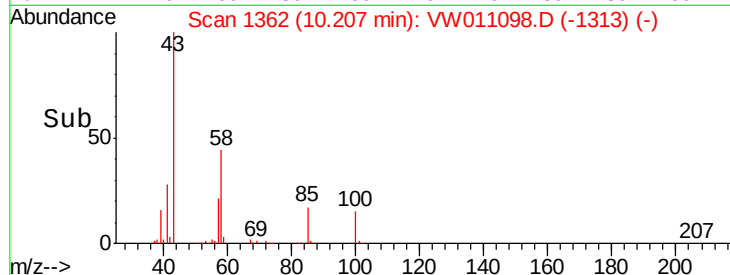
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.578 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011098.D

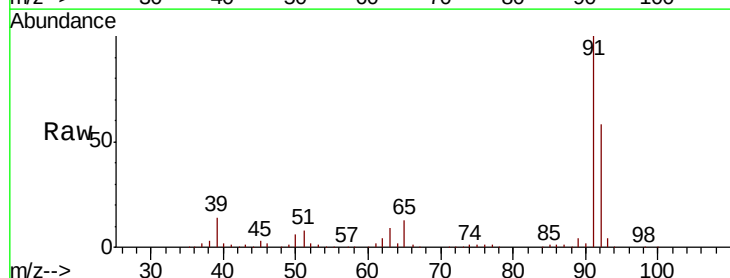
Acq: 01 Jul 2019 21:08

Tgt Ion: 92 Resp: 340684

Ion Ratio Lower Upper

92 100

91 170.4 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

400000

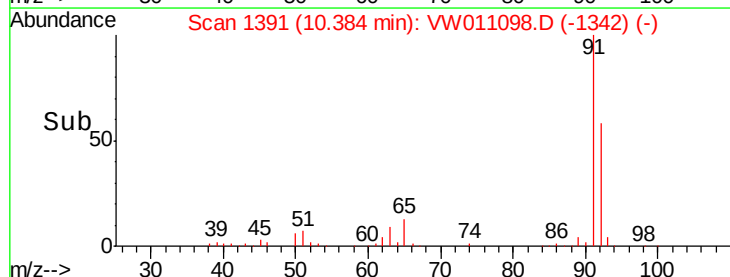
300000

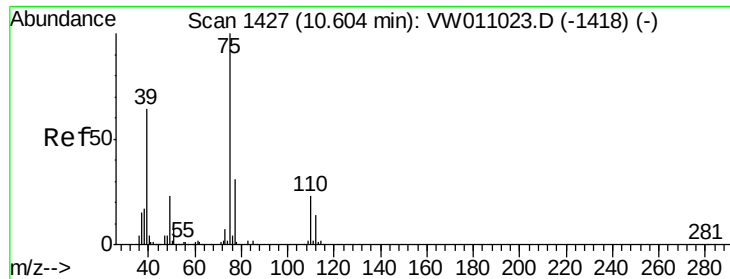
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.413 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

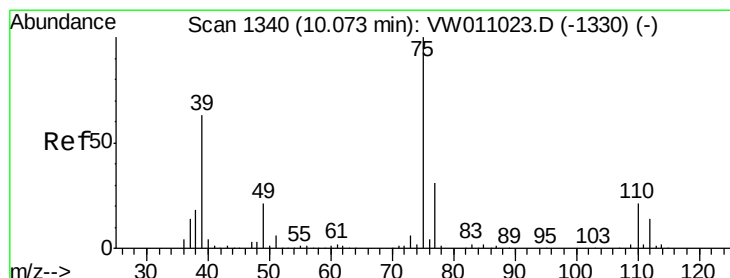
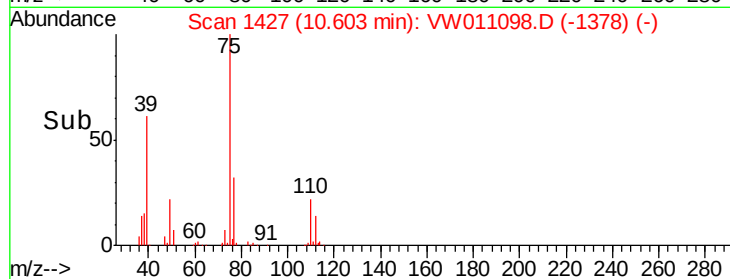
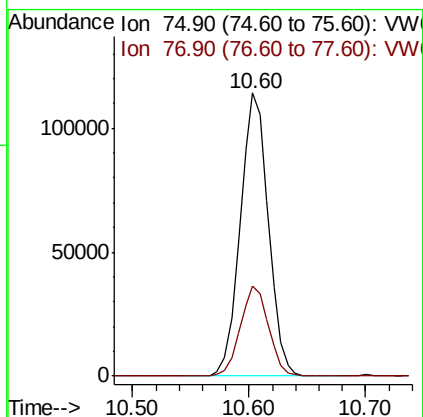
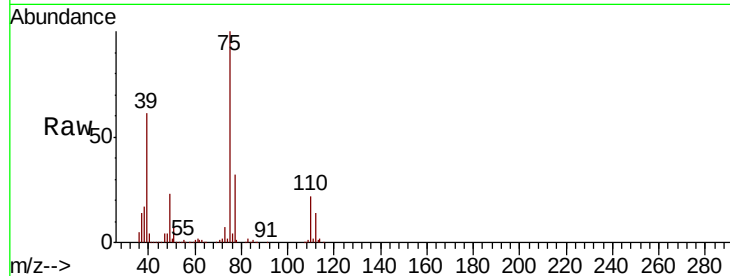
VSTDCCC050EC

Tot Ion: 75 Resp: 191722

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 57.000 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

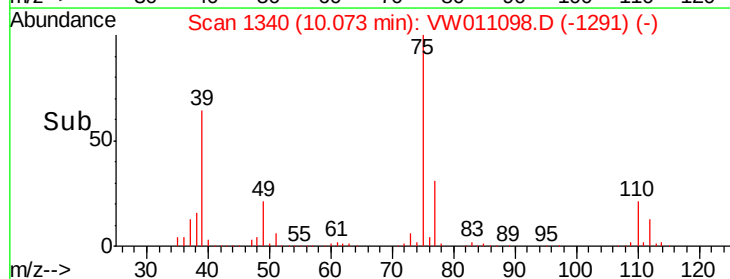
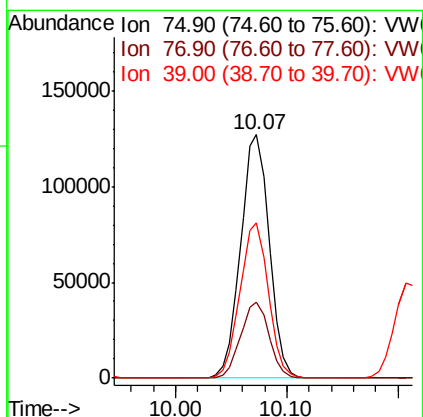
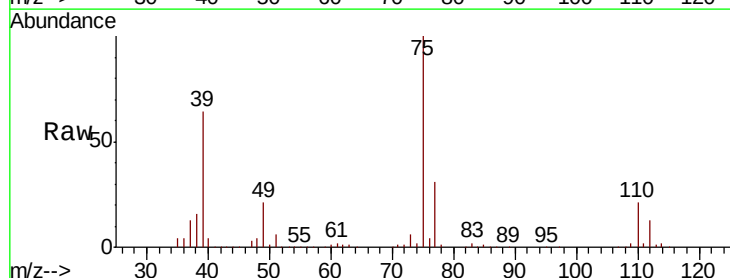
Tgt Ion: 75 Resp: 227058

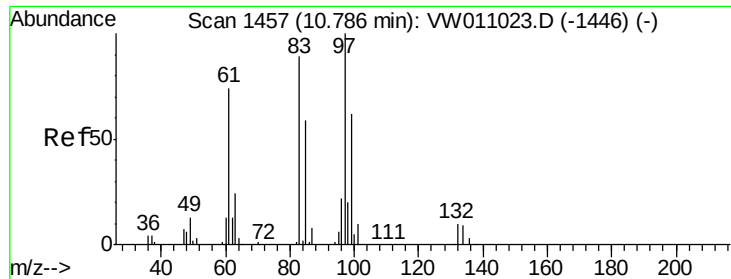
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 63.6 50.0 75.0

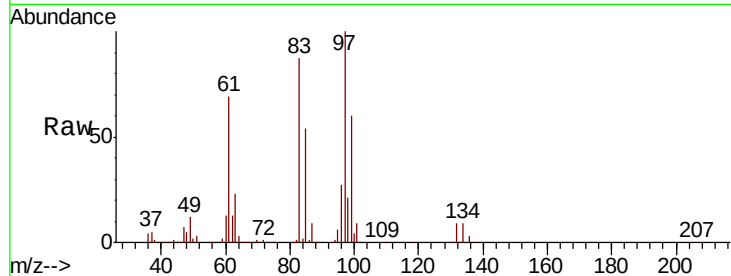




#55
 1,1,2-Trichloroethane
 Concen: 56.174 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.9	106.3
85	54.3	47.2	70.8
99	60.3	50.0	75.0



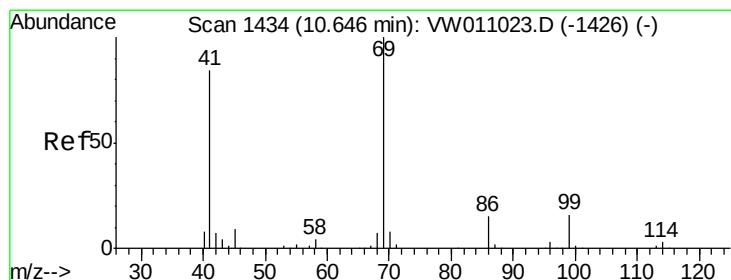
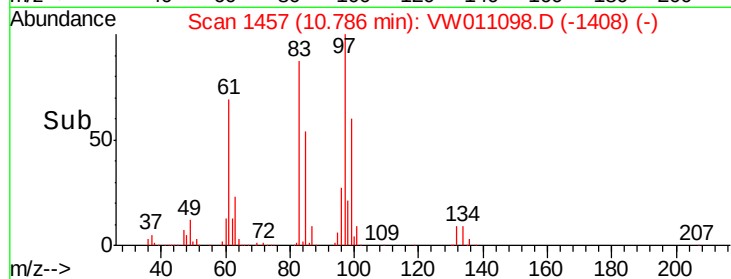
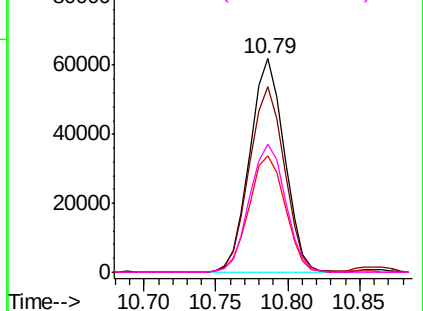
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

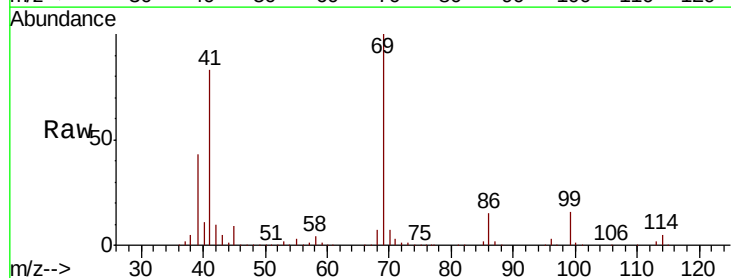
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 60.396 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	84.3	67.9	101.9
39	39.8	33.2	49.8

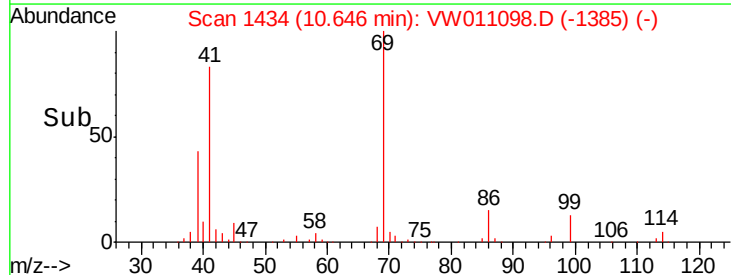
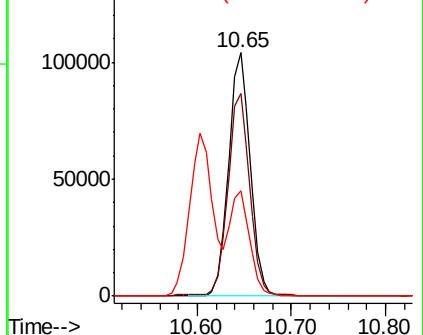


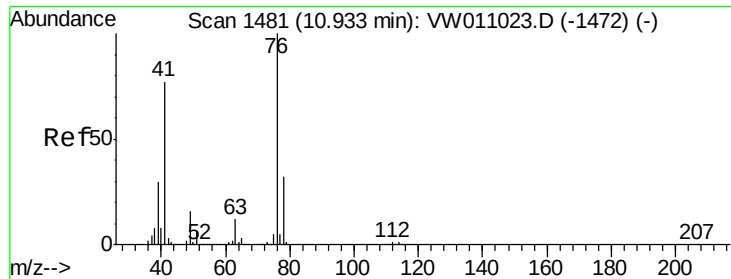
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

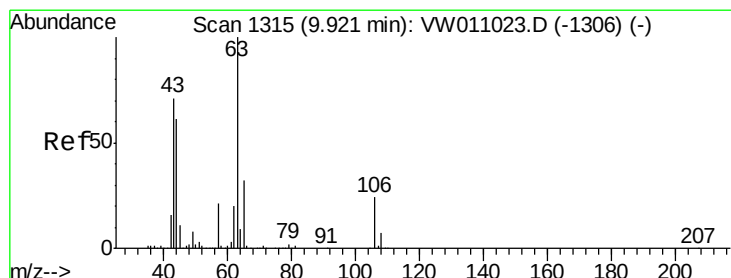
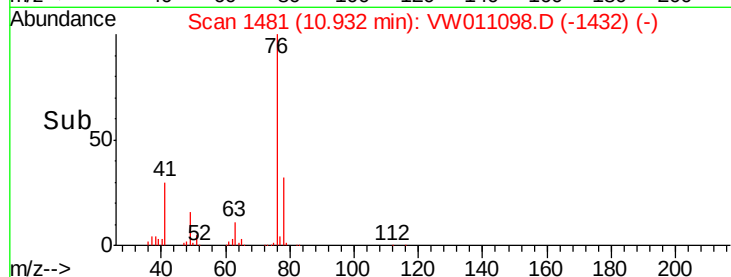
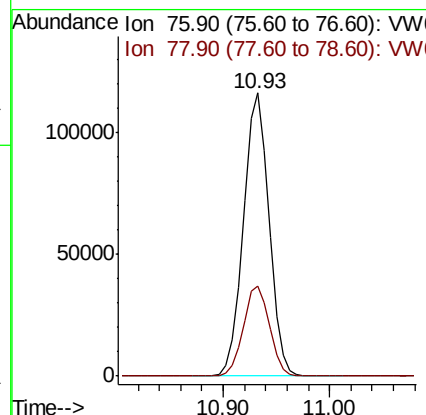
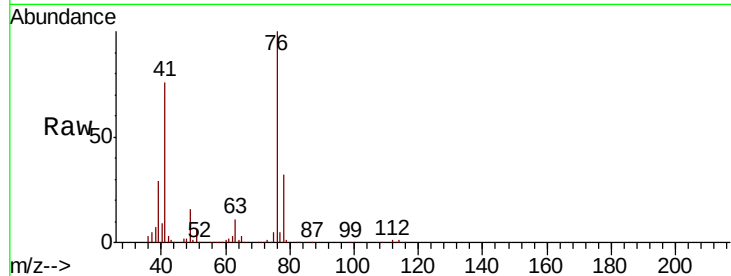




#57
 1,3-Dichloropropane
 Concen: 56.305 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

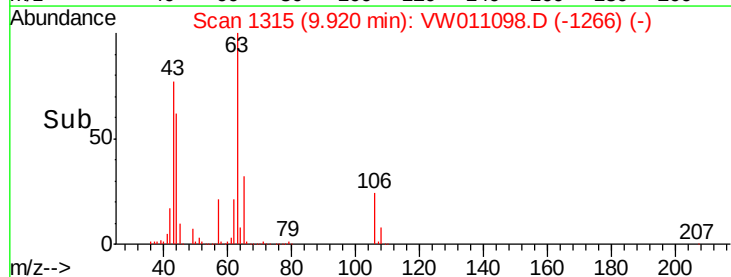
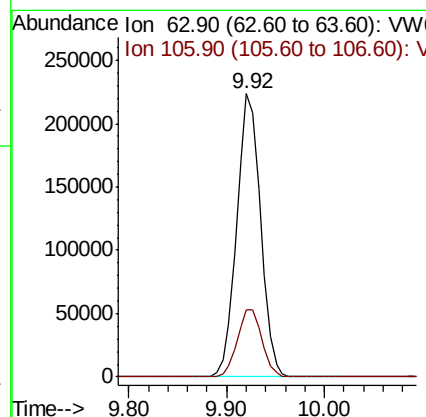
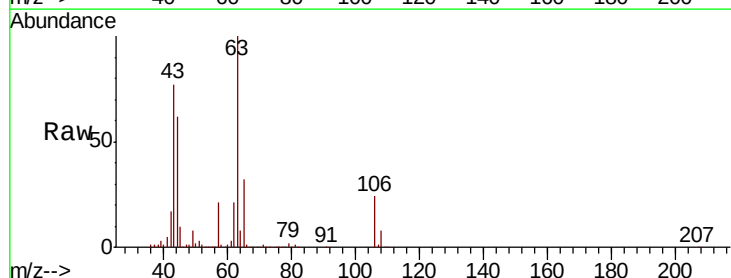
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

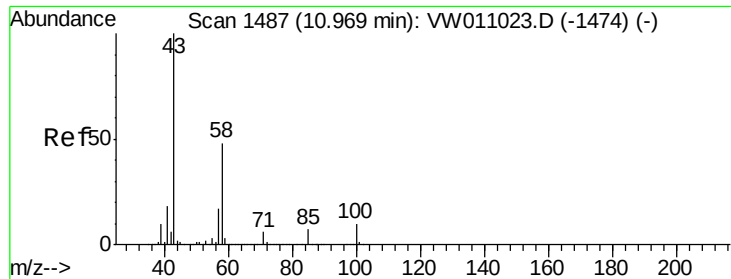
Tot Ion: 76 Resp: 195941
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.006 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion: 63 Resp: 378417
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.4 29.0

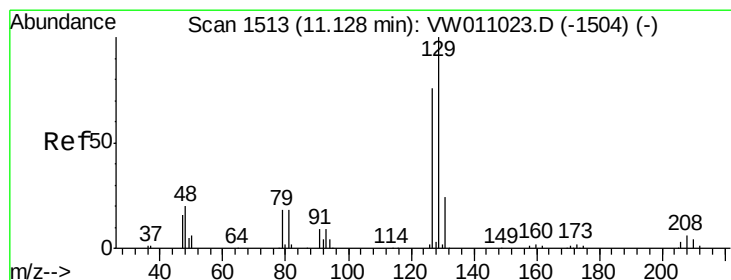
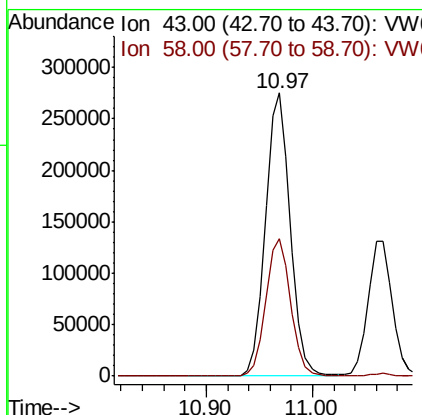
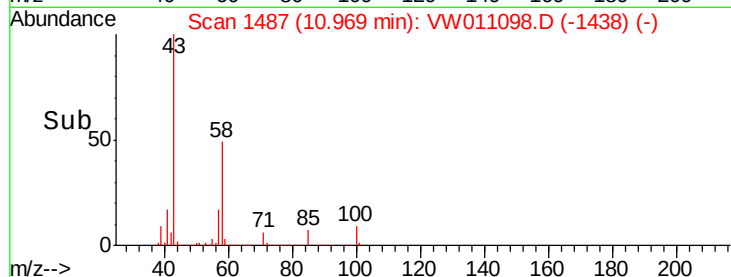
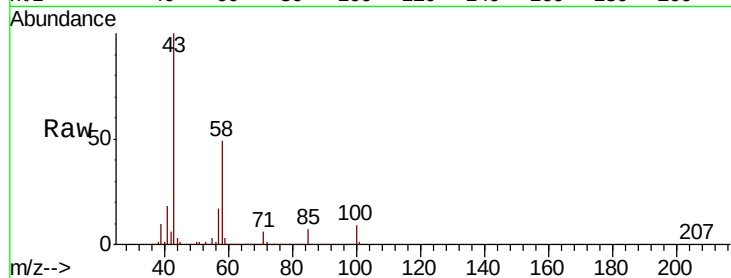




#59
2-Hexanone
Concen: 298.150 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

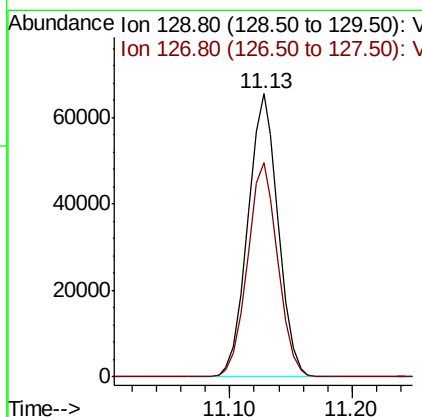
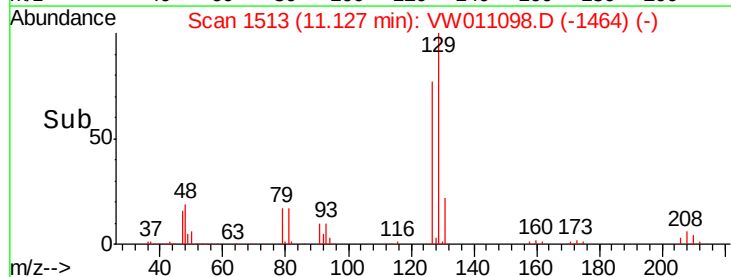
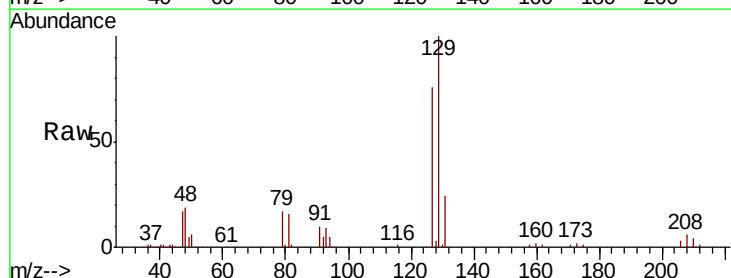
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

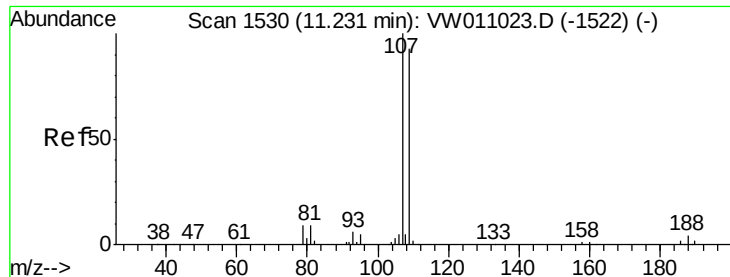
Tot Ion: 43 Resp: 446498
Ion Ratio Lower Upper
43 100
58 48.8 23.8 71.5



#60
Dibromochloromethane
Concen: 58.689 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 129 Resp: 112591
Ion Ratio Lower Upper
129 100
127 75.6 39.4 118.1





#61

1,2-Dibromoethane

Concen: 57.624 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

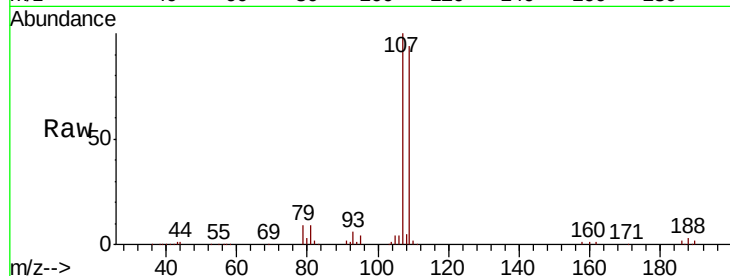
VSTDCCC050EC

Tot Ion: 107 Resp: 98691

Ion Ratio Lower Upper

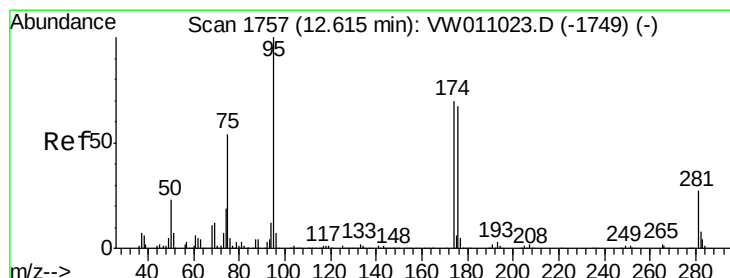
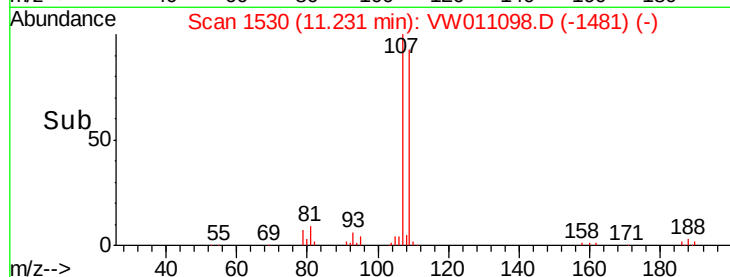
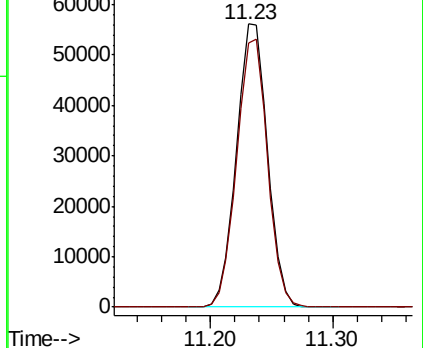
107 100

109 94.1 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.761 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

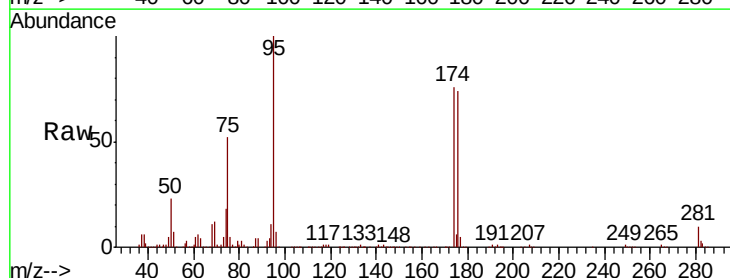
Tgt Ion: 95 Resp: 170462

Ion Ratio Lower Upper

95 100

174 73.8 0.0 149.2

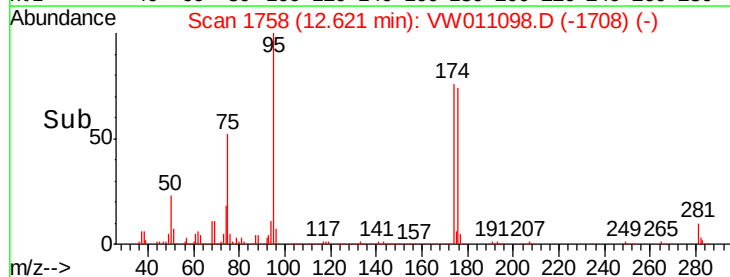
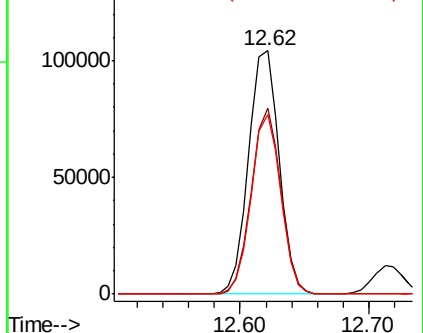
176 71.3 0.0 143.6

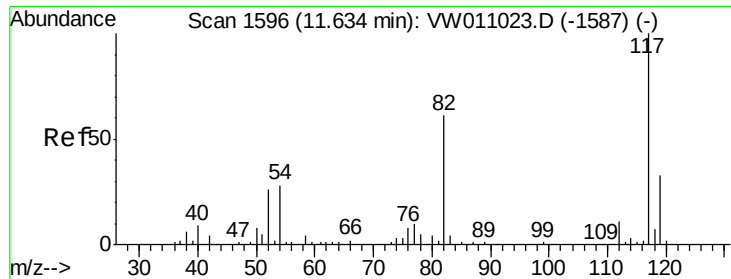


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

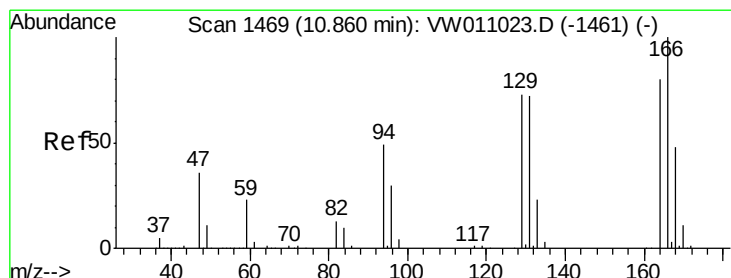
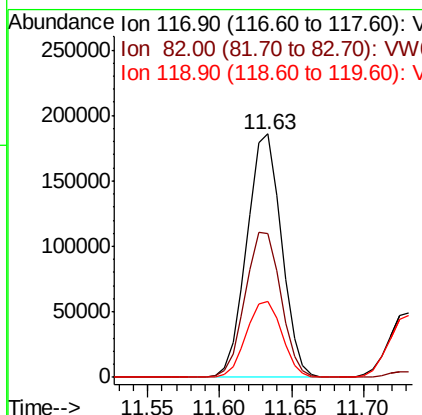
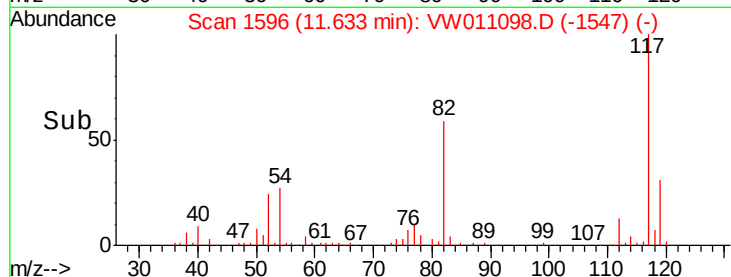
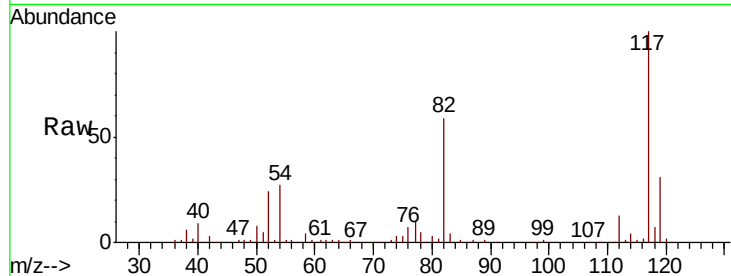




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

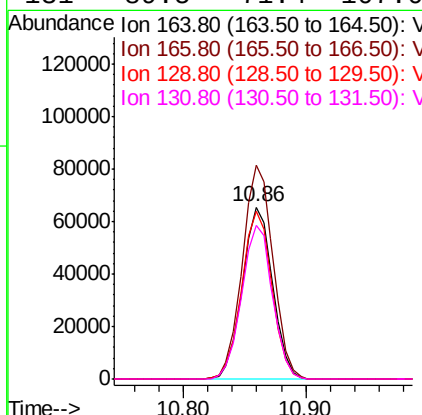
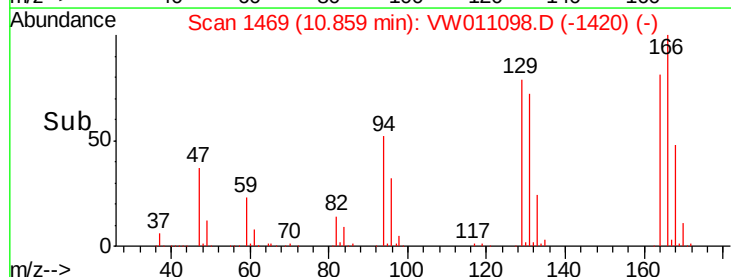
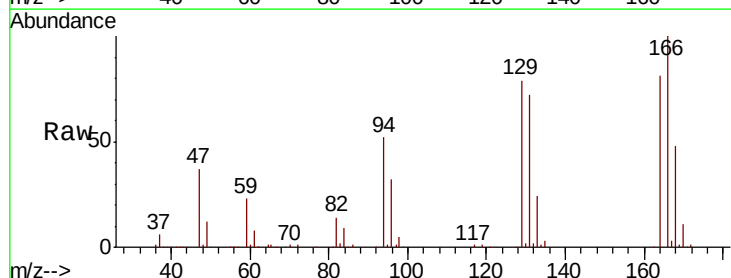
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

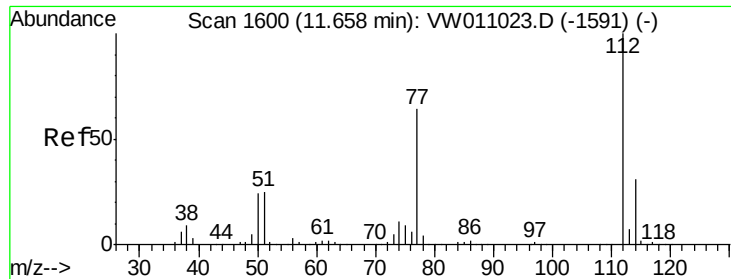
Tot Ion:117 Resp: 310108
Ion Ratio Lower Upper
117 100
82 58.9 48.6 73.0
119 31.0 26.1 39.1



#64
Tetrachloroethene
Concen: 52.619 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion:164 Resp: 112294
Ion Ratio Lower Upper
164 100
166 124.1 99.8 149.6
129 97.6 73.0 109.4
131 89.5 71.4 107.0

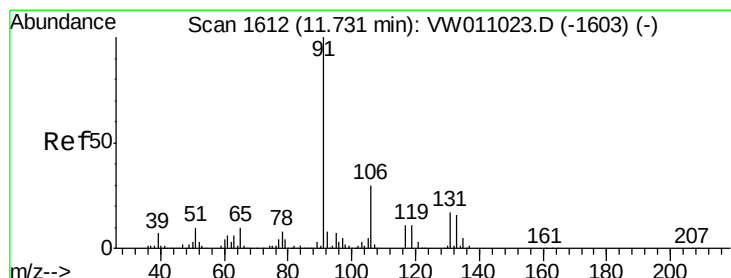
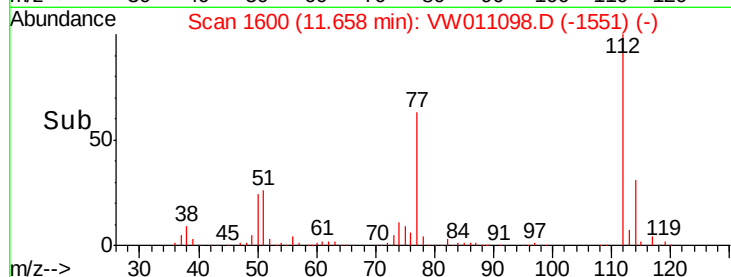
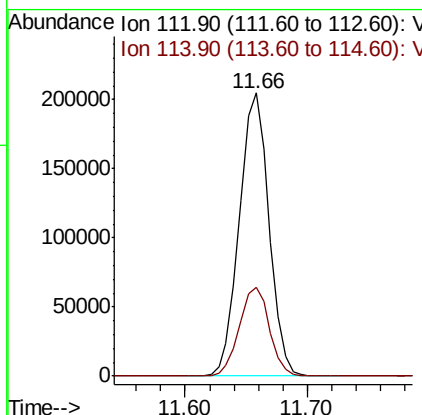
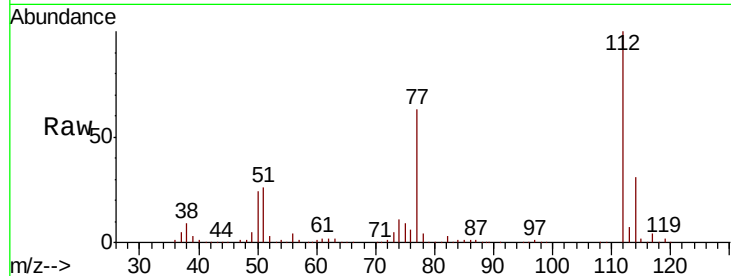




#65
Chlorobenzene
Concen: 54.224 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

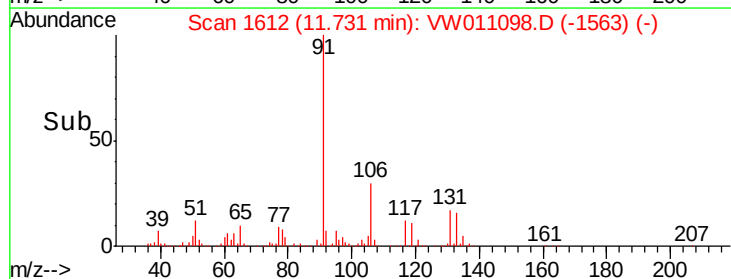
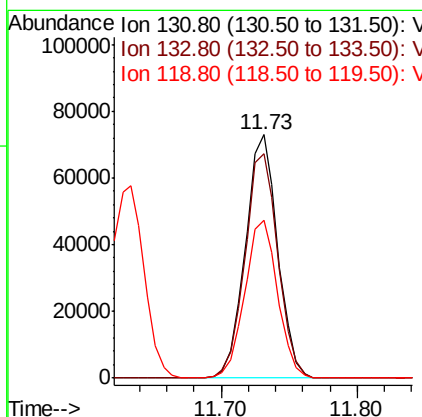
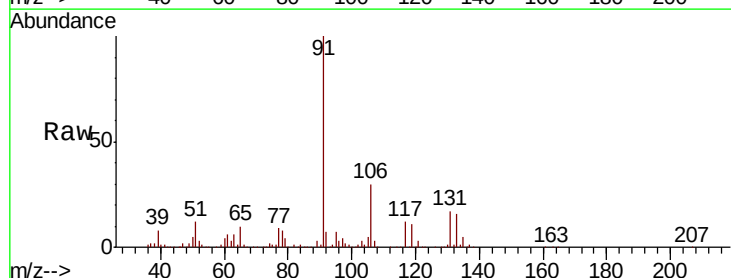
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

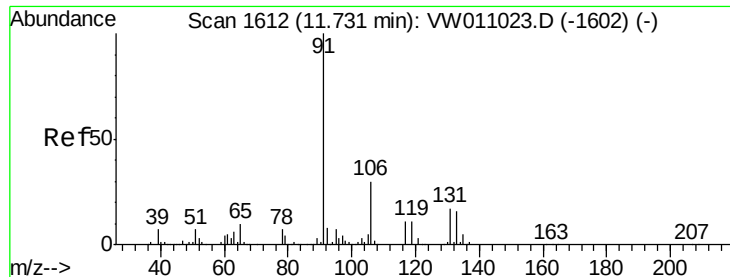
Tot Ion:112 Resp: 344209
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 56.153 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion:131 Resp: 121022
Ion Ratio Lower Upper
131 100
133 94.3 47.7 143.1
119 65.8 33.1 99.2

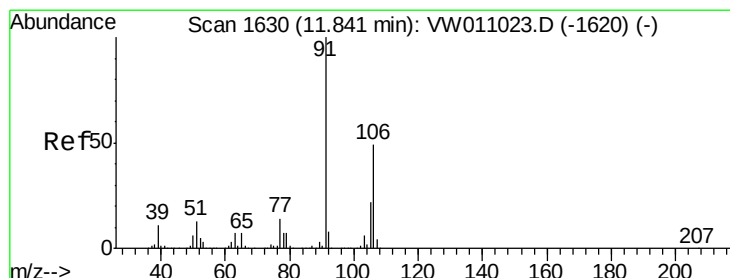
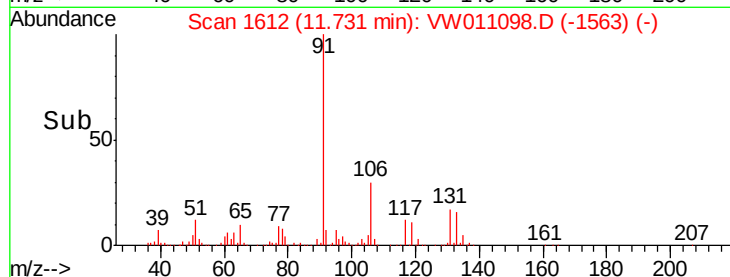
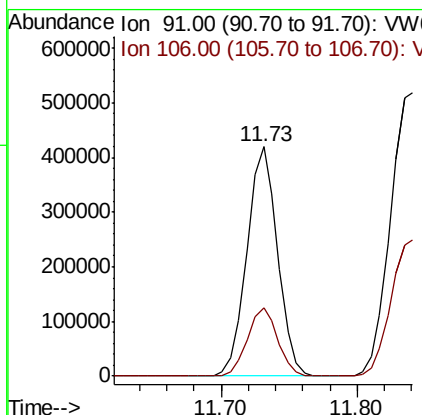
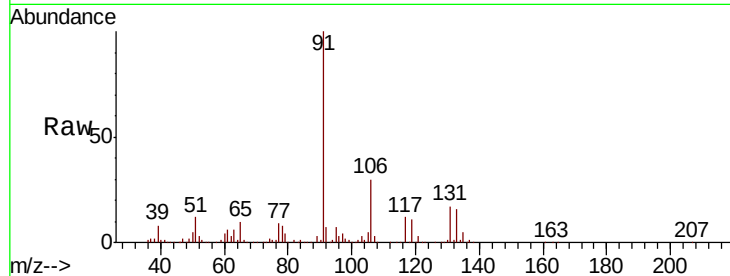




#67
Ethyl Benzene
Concen: 54.329 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

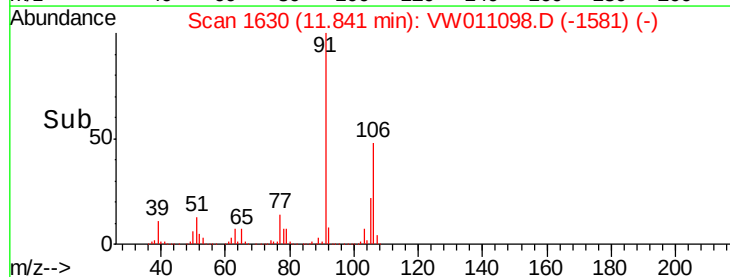
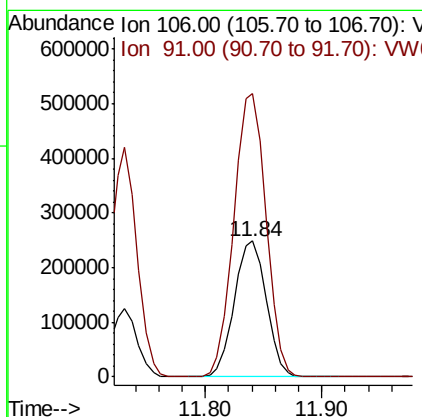
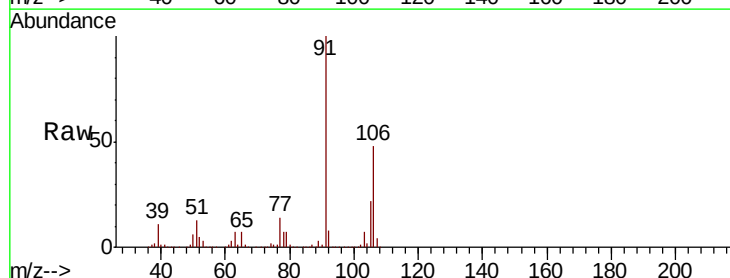
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

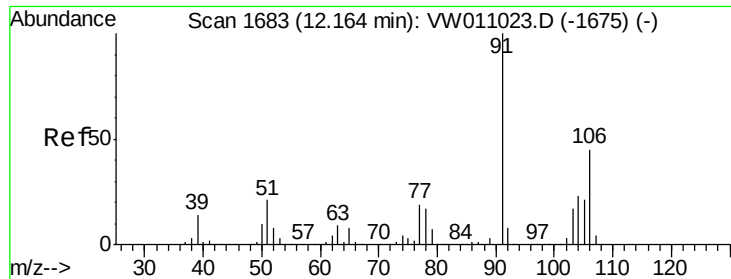
Tot Ion: 91 Resp: 660542
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6



#68
m/p-Xylenes
Concen: 108.109 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 106 Resp: 476949
Ion Ratio Lower Upper
106 100
91 209.9 167.5 251.3

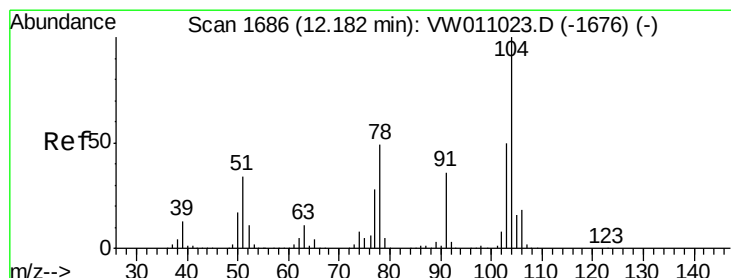
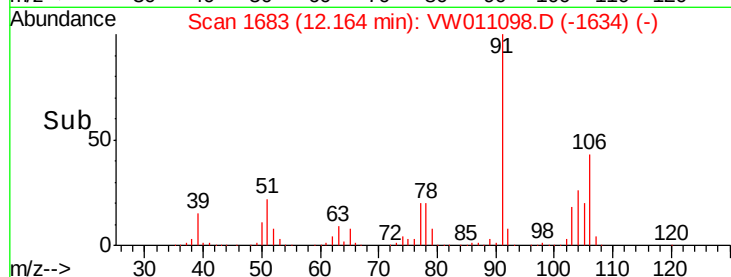
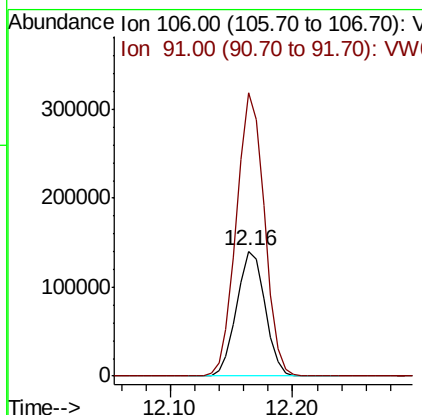
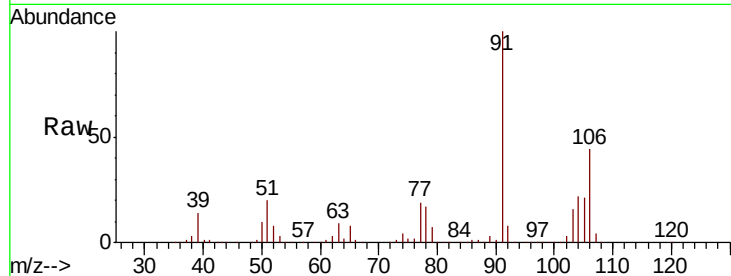




#69
o-Xylene
Concen: 55.058 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

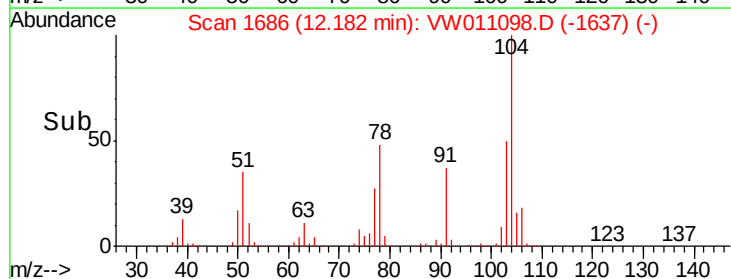
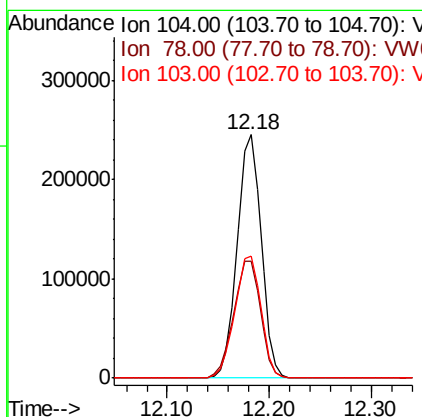
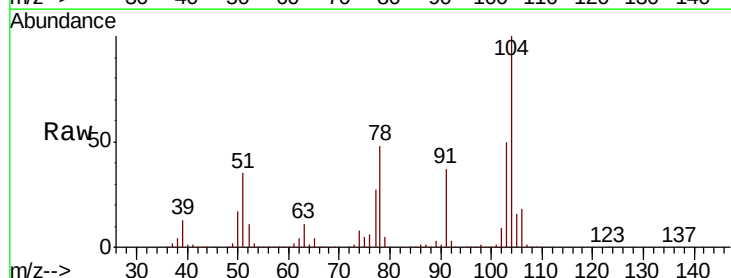
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

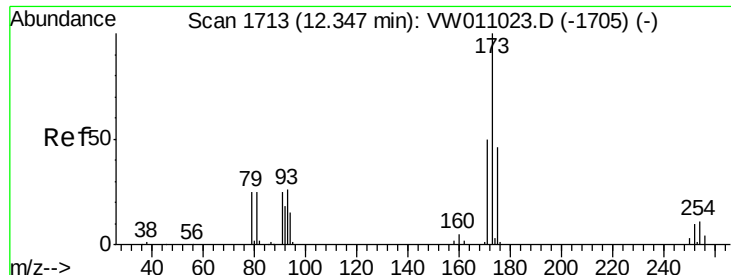
Tot Ion:106 Resp: 226245
Ion Ratio Lower Upper
106 100
91 223.3 110.8 332.3



#70
Styrene
Concen: 55.870 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion:104 Resp: 398948
Ion Ratio Lower Upper
104 100
78 53.8 43.7 65.5
103 54.6 43.9 65.9





#71

Bromoform

Concen: 59.655 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

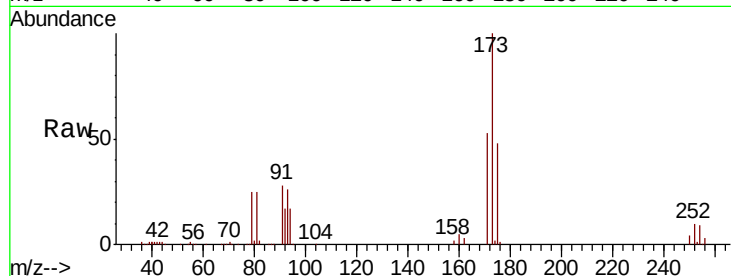
Tot Ion:173 Resp: 62679

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.2

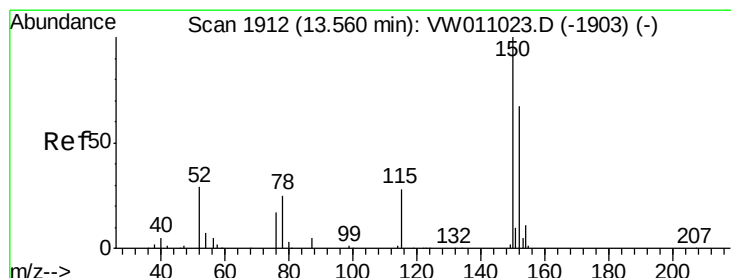
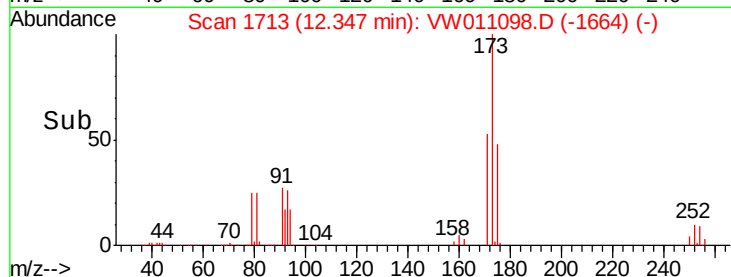
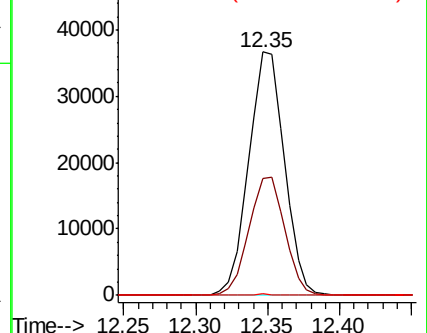
254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

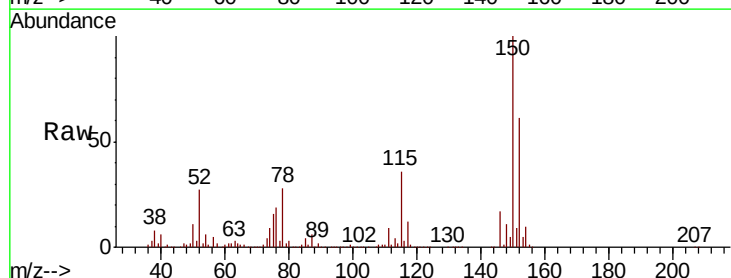
Tgt Ion:152 Resp: 151379

Ion Ratio Lower Upper

152 100

115 59.4 30.7 92.1

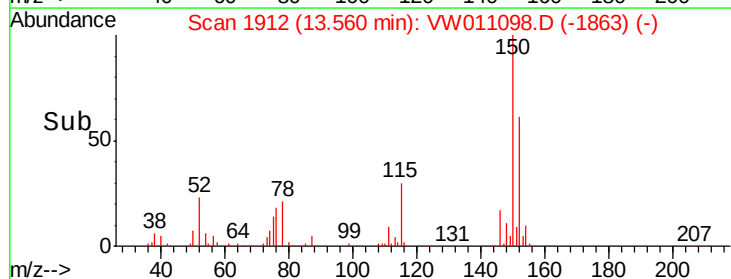
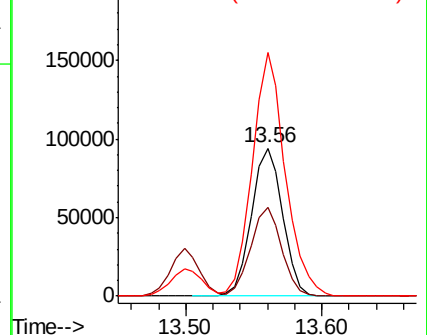
150 174.1 0.0 341.8

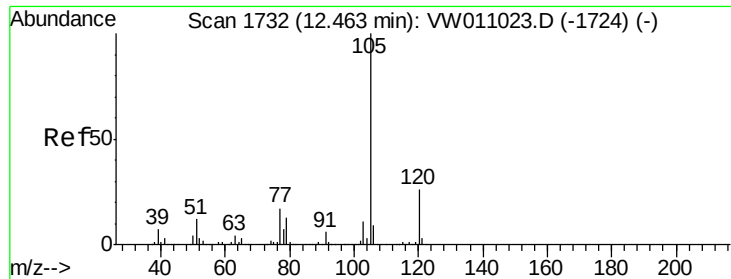


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.649 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

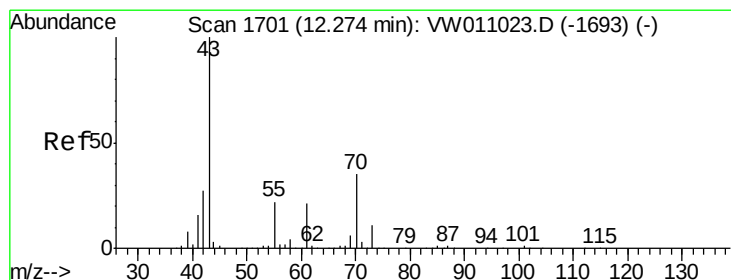
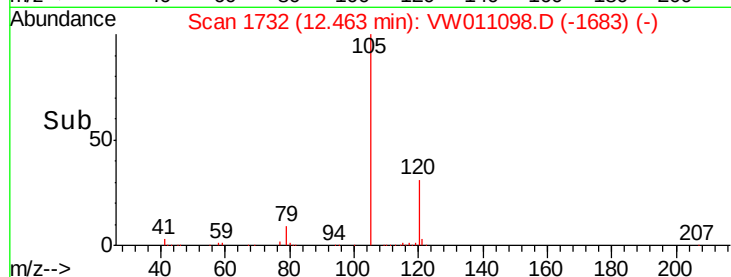
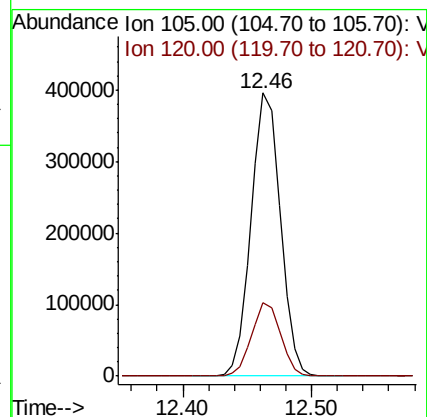
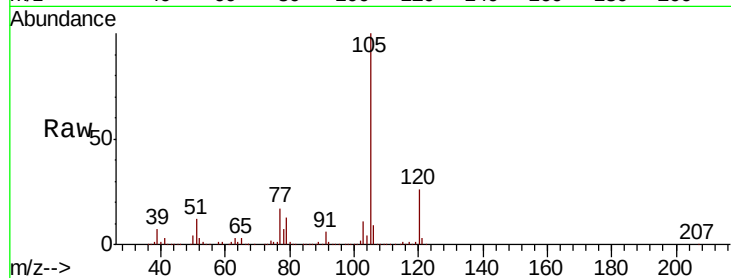
VSTDCCC050EC

Tot Ion:105 Resp: 619745

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.6



#74

N-ethyl acetate

Concen: 60.241 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Tgt Ion: 43 Resp: 229431

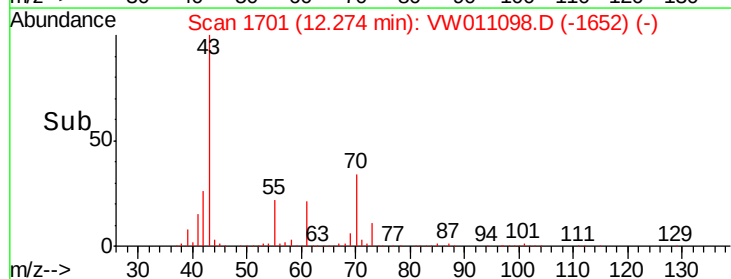
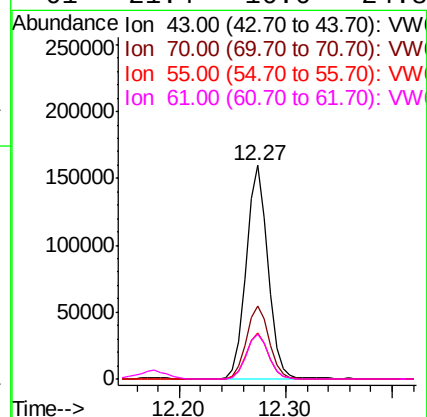
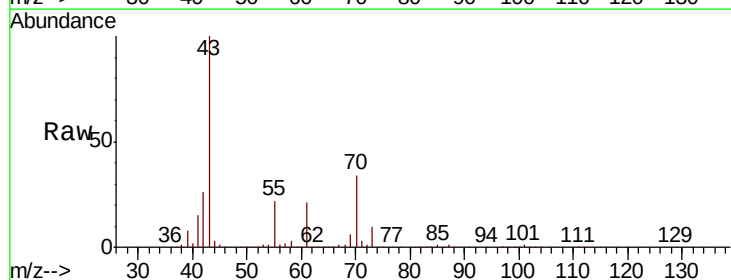
Ion Ratio Lower Upper

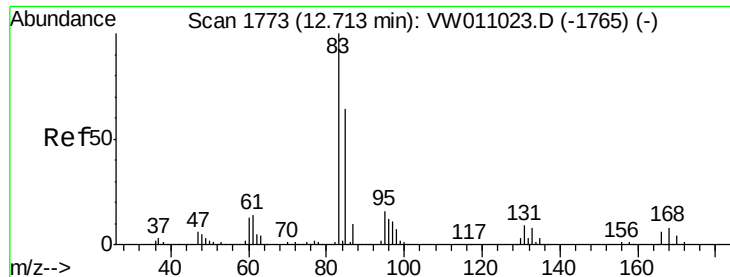
43 100

70 35.8 28.2 42.4

55 22.2 17.8 26.8

61 21.4 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 58.558 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

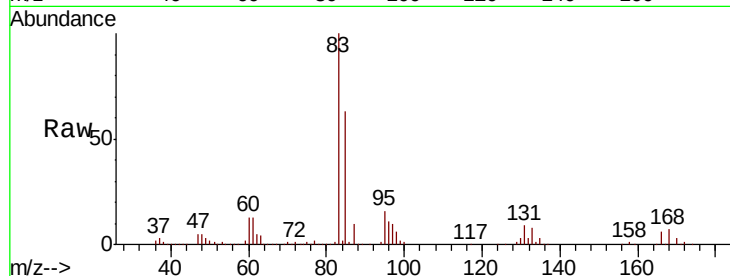
Tot Ion: 83 Resp: 130405

Ion Ratio Lower Upper

83 100

131 9.6 5.0 14.9

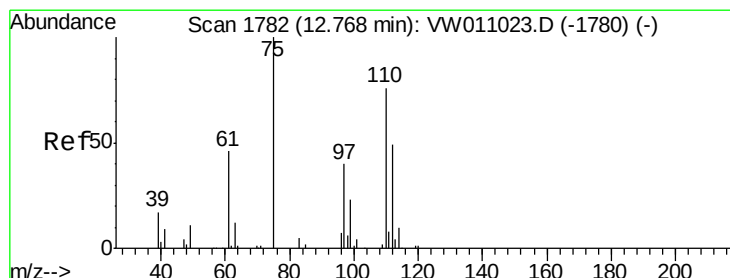
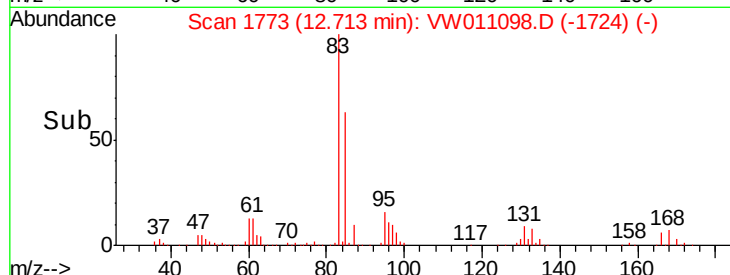
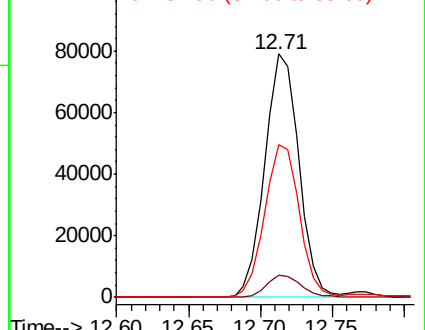
85 63.5 31.8 95.4



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: 105.875 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW011098.D

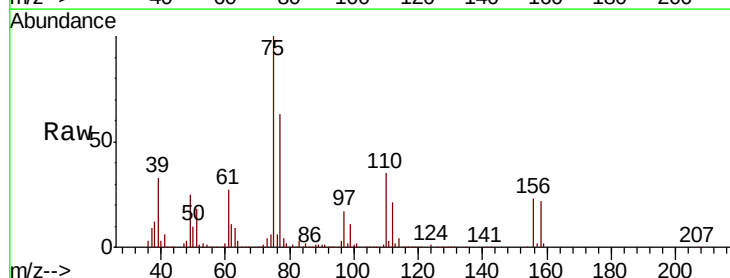
Acq: 01 Jul 2019 21:08

Tgt Ion: 75 Resp: 169206

Ion Ratio Lower Upper

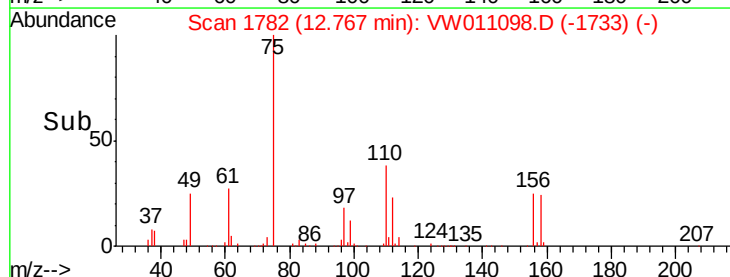
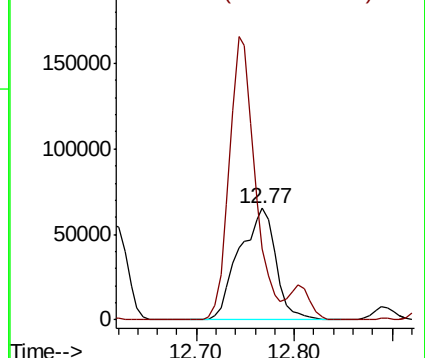
75 100

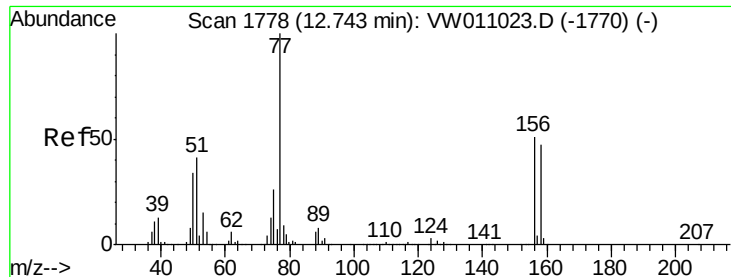
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 56.177 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

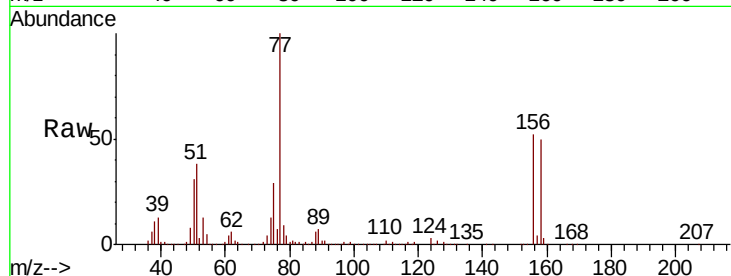
Tot Ion:156 Resp: 140030

Ion Ratio Lower Upper

156 100

77 216.6 109.5 328.5

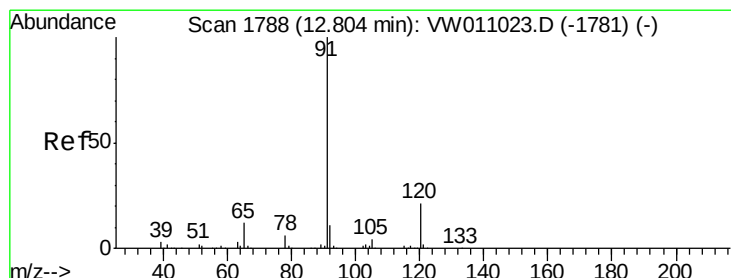
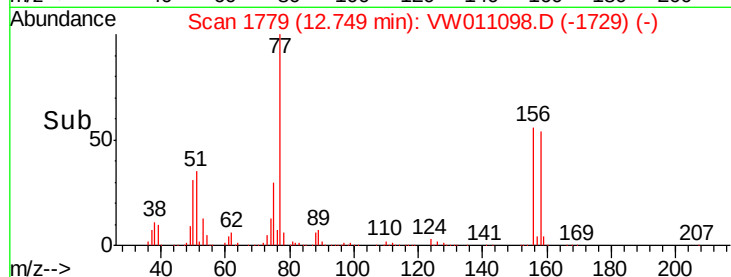
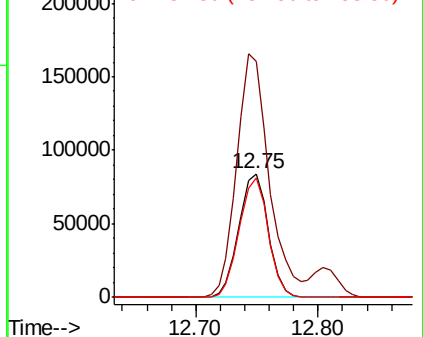
158 95.2 48.6 145.9



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: 53.778 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011098.D

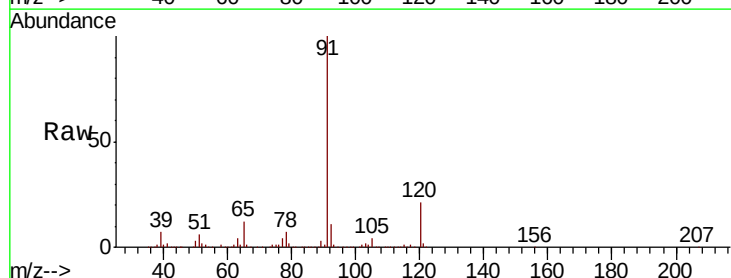
Acq: 01 Jul 2019 21:08

Tgt Ion: 91 Resp: 755231

Ion Ratio Lower Upper

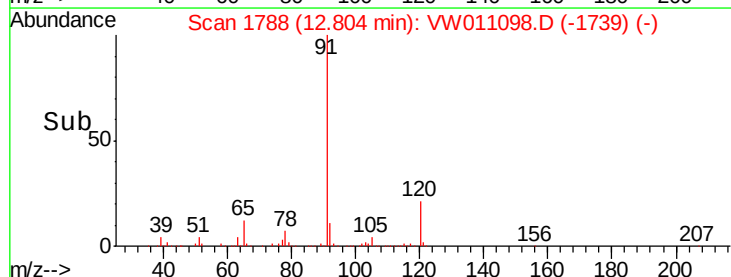
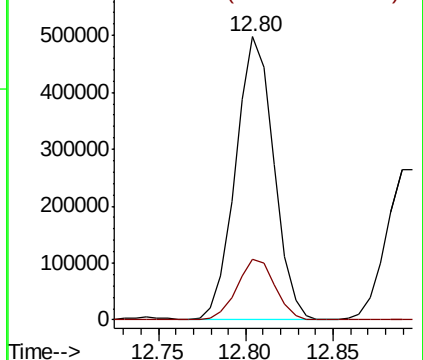
91 100

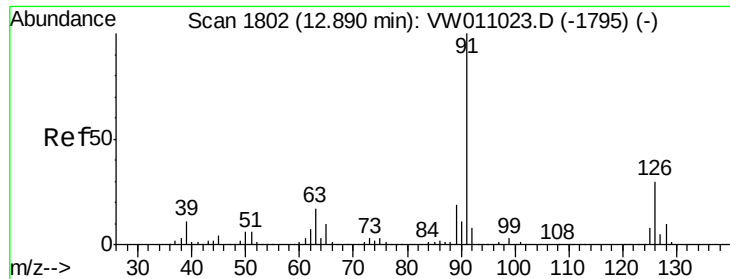
120 21.5 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.930 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

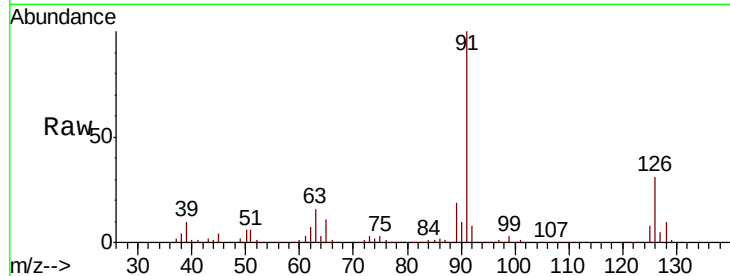
VSTDCCC050EC

Tot Ion: 91 Resp: 440711

Ion Ratio Lower Upper

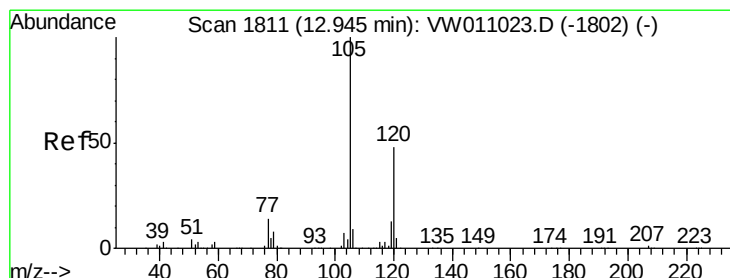
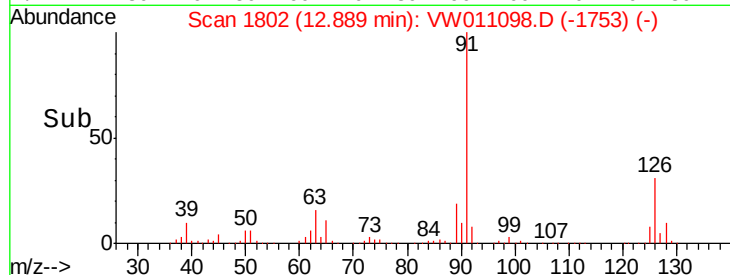
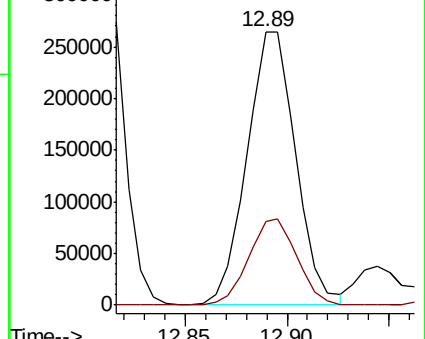
91 100

126 31.1 15.4 46.4



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: 54.658 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011098.D

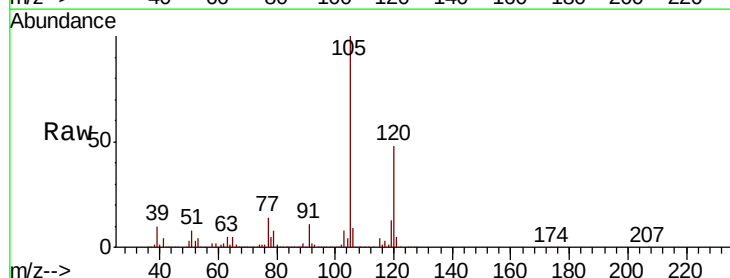
Acq: 01 Jul 2019 21:08

Tgt Ion:105 Resp: 525370

Ion Ratio Lower Upper

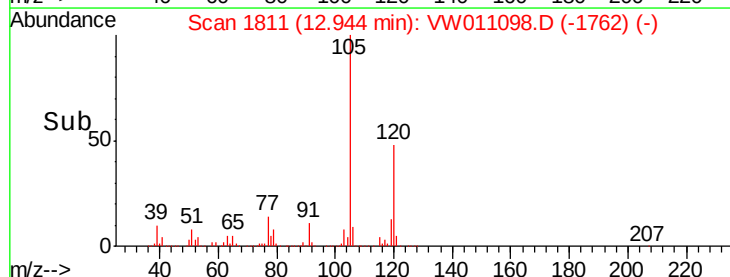
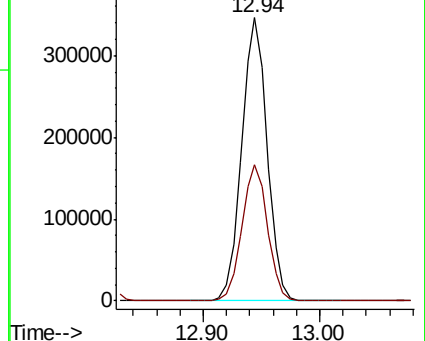
105 100

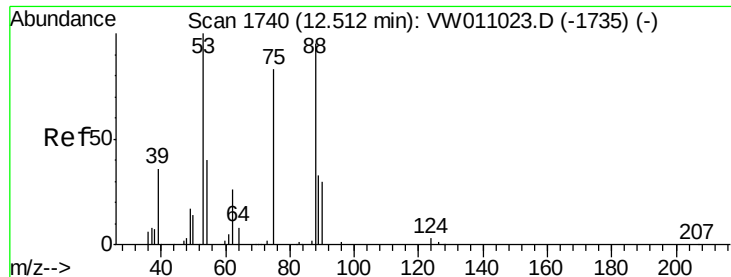
120 48.4 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

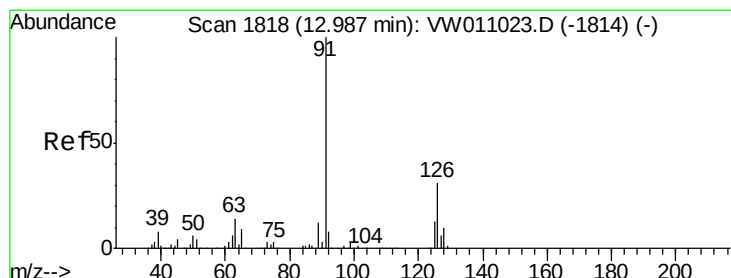
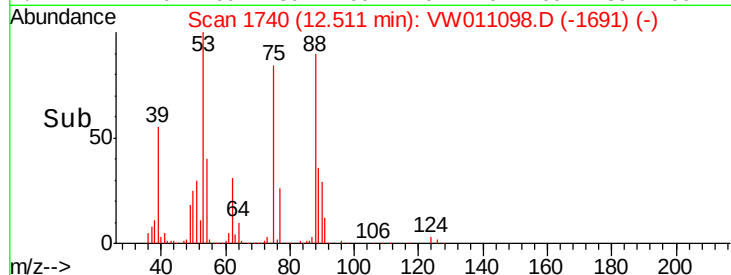
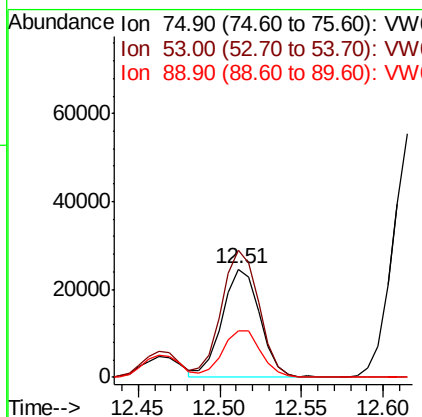
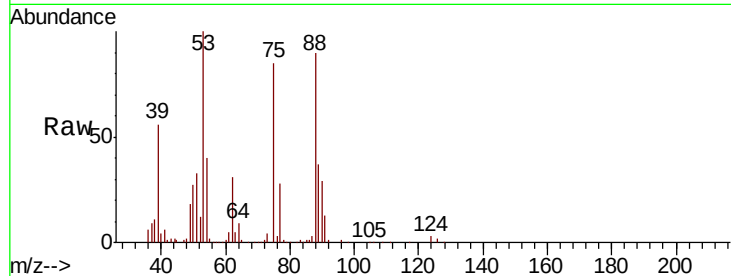




#81
trans-1,4-Dichloro-2-butene
Concen: 52.111 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

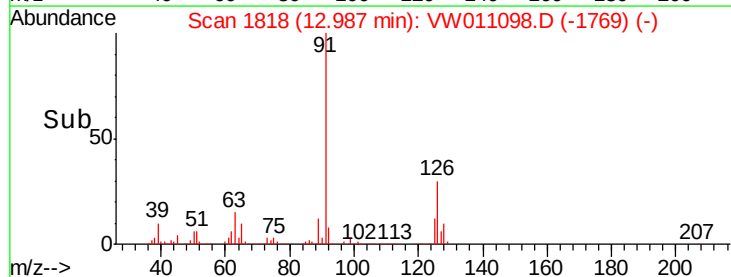
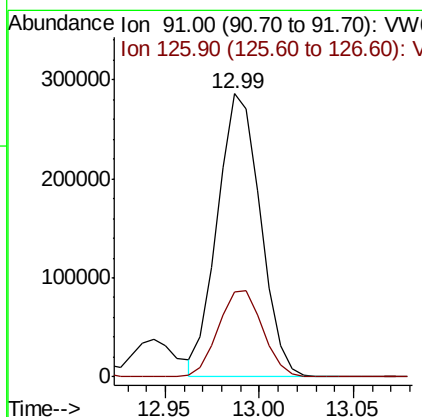
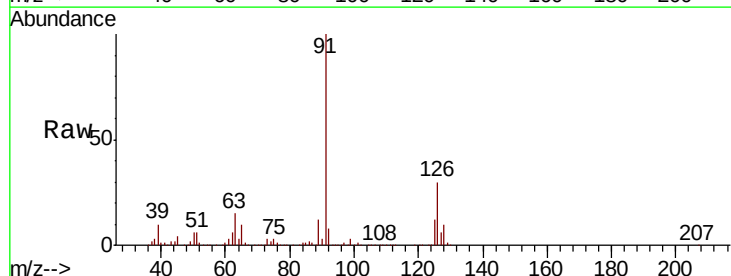
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

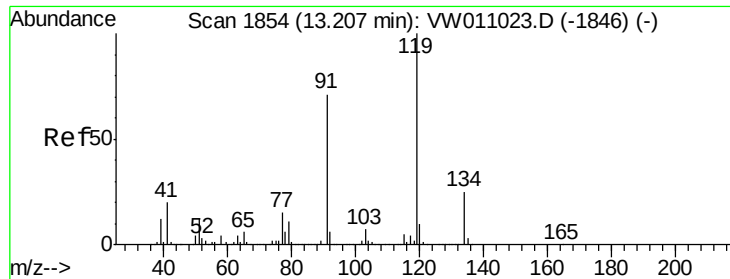
Tot Ion: 75 Resp: 39283
Ion Ratio Lower Upper
75 100
53 118.5 95.6 143.4
89 44.3 34.4 51.6



#82
4-Chlorotoluene
Concen: 54.116 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 91 Resp: 452461
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1

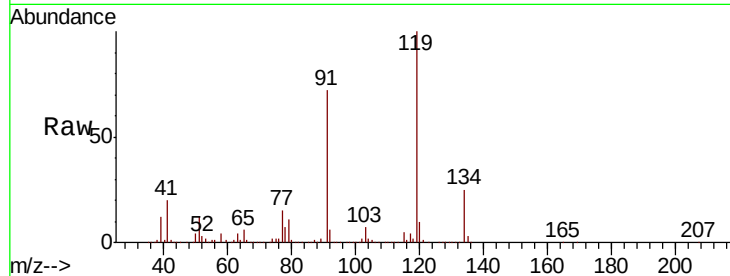




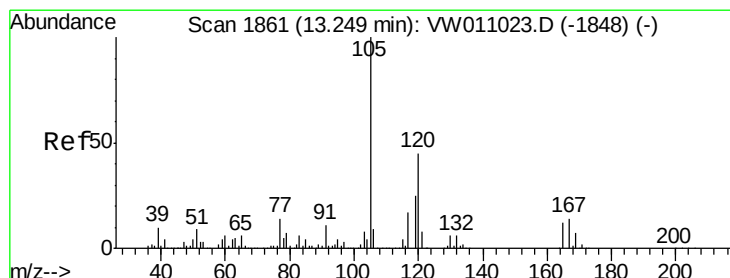
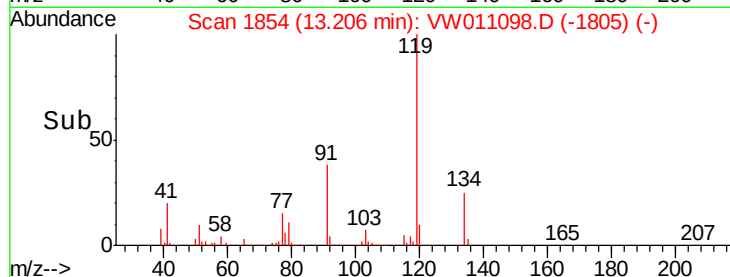
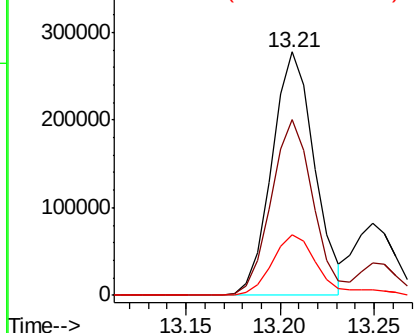
#83
tert-Butylbenzene
Concen: 54.378 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 435854
Ion Ratio Lower Upper
119 100
91 71.5 35.5 106.5
134 27.3 12.4 37.2

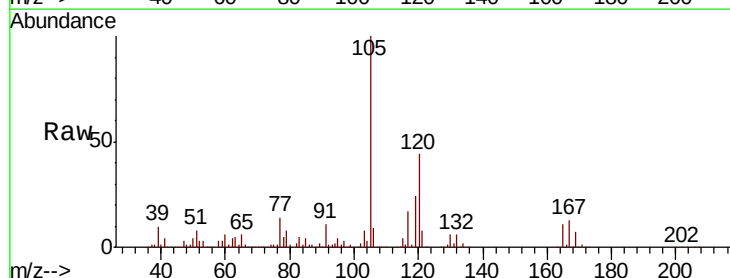


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

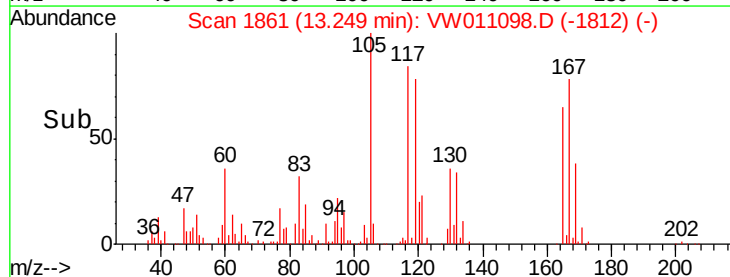
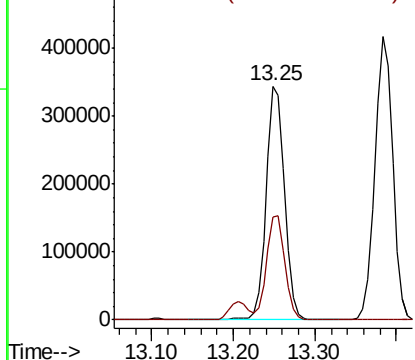


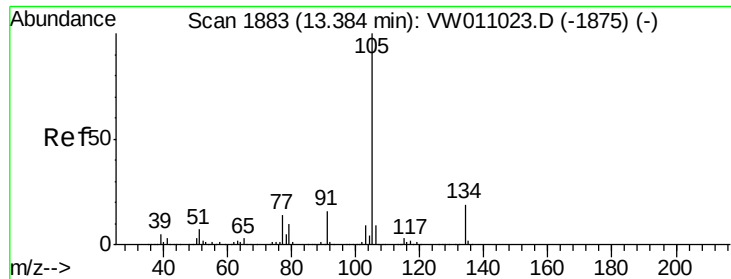
#84
1,2,4-Trimethylbenzene
Concen: 55.032 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion:105 Resp: 534652
Ion Ratio Lower Upper
105 100
120 44.4 22.4 67.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.108 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

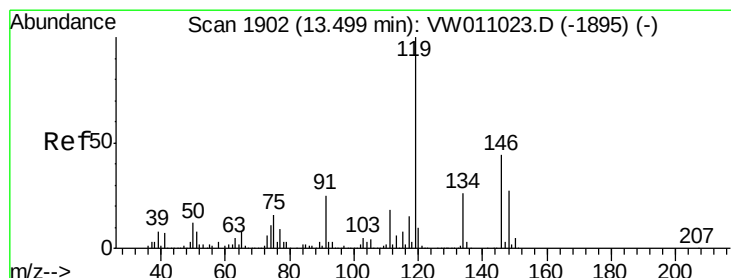
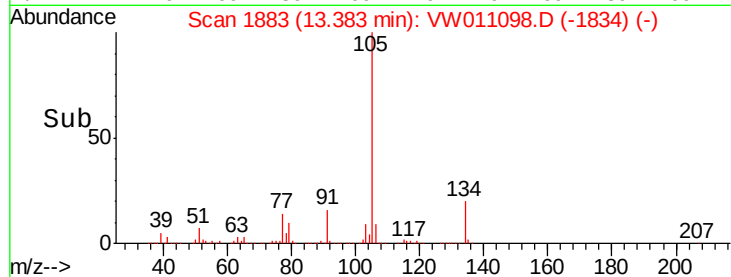
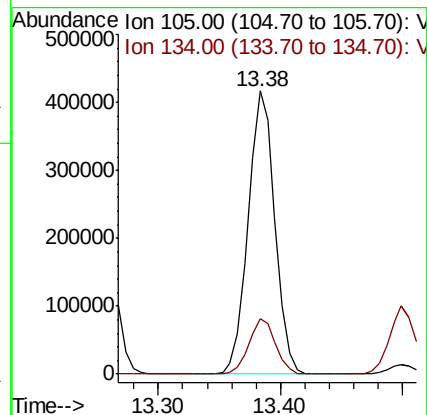
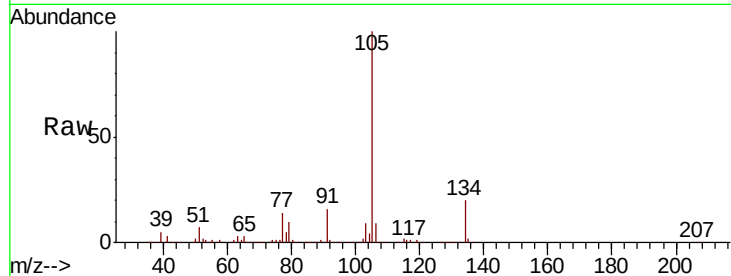
VSTDCCC050EC

Tot Ion:105 Resp: 630028

Ion Ratio Lower Upper

105 100

134 19.7 9.6 28.8



#86

p-Isopropyltoluene

Concen: 54.368 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

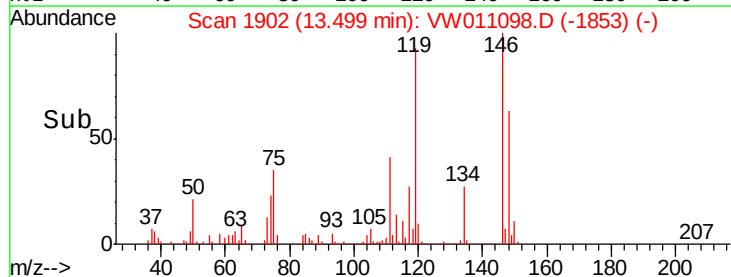
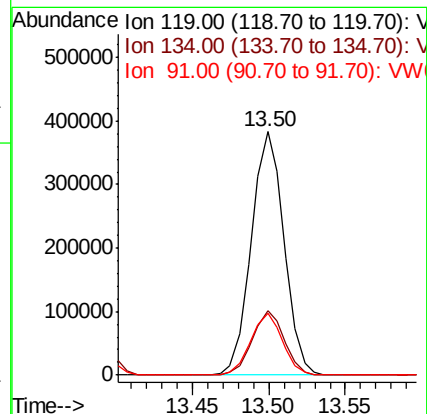
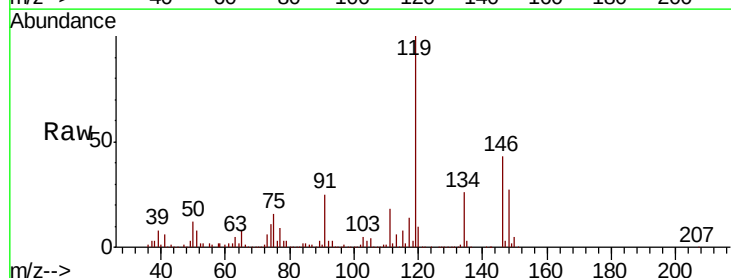
Tgt Ion:119 Resp: 569676

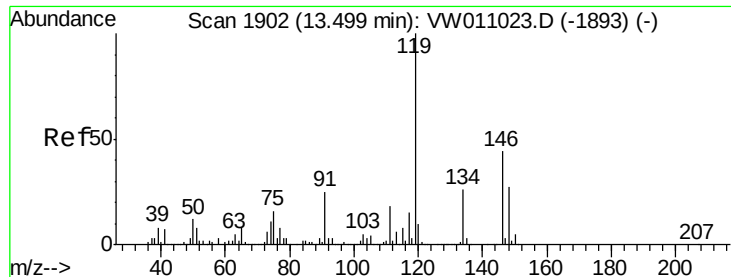
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 24.5 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 54.238 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

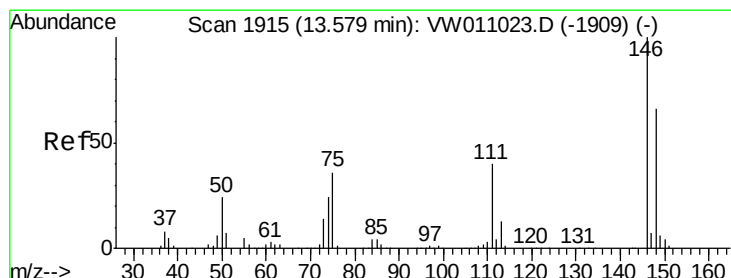
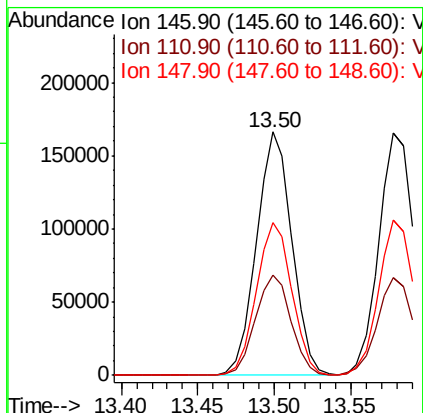
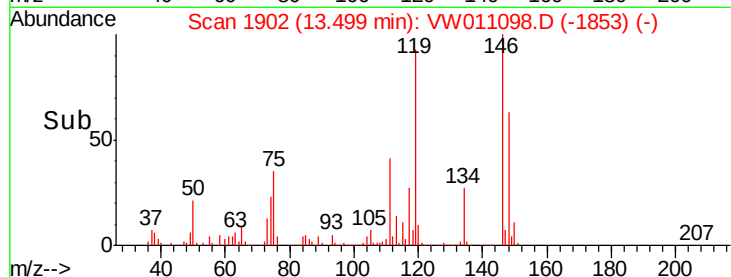
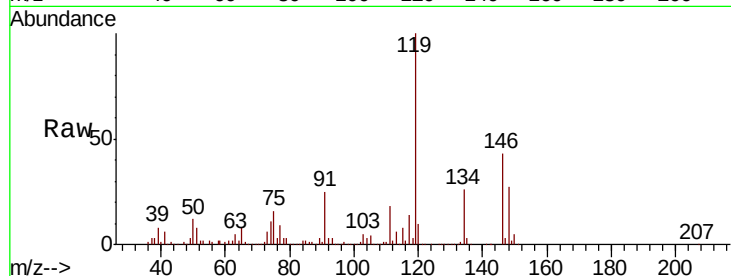
Tot Ion:146 Resp: 267433

Ion Ratio Lower Upper

146 100

111 41.6 20.9 62.8

148 63.1 31.8 95.4



#88

1,4-Dichlorobenzene

Concen: 53.797 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW011098.D

Acq: 01 Jul 2019 21:08

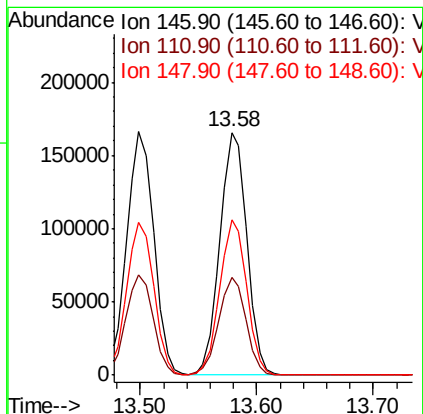
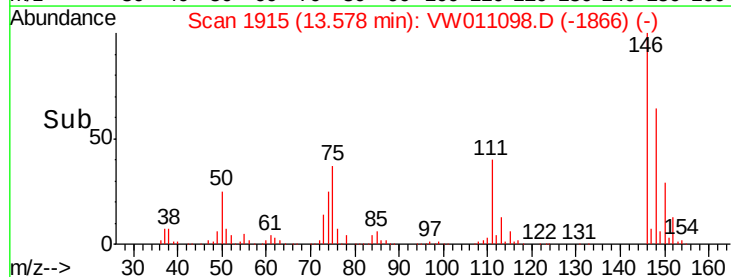
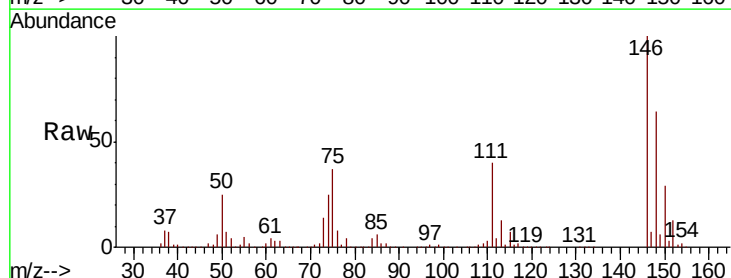
Tgt Ion:146 Resp: 264790

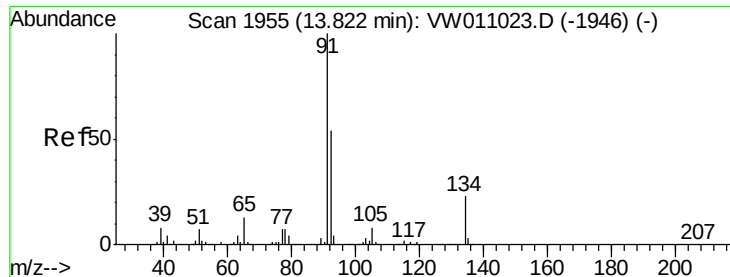
Ion Ratio Lower Upper

146 100

111 40.7 20.6 61.9

148 64.0 32.4 97.2

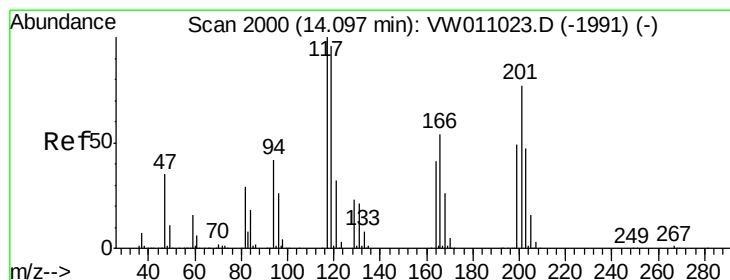
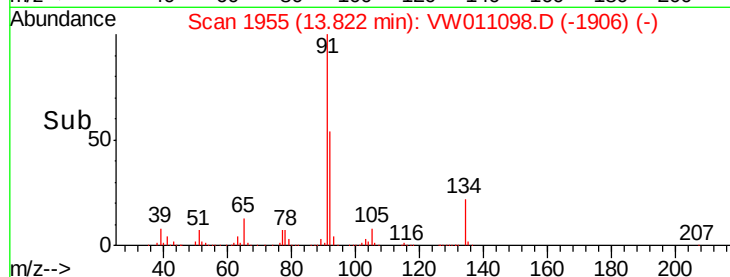
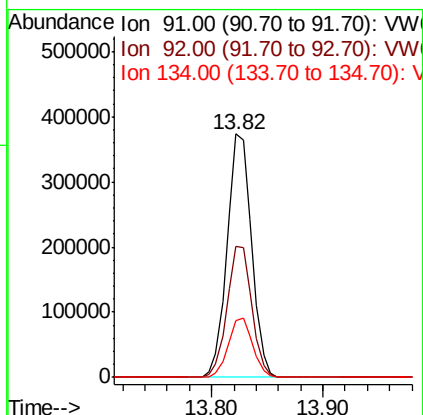
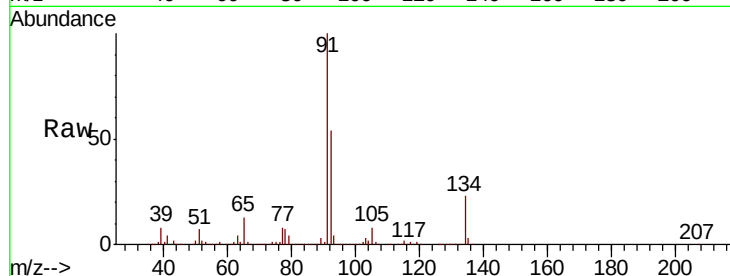




#89
n-Butylbenzene
Concen: 53.243 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

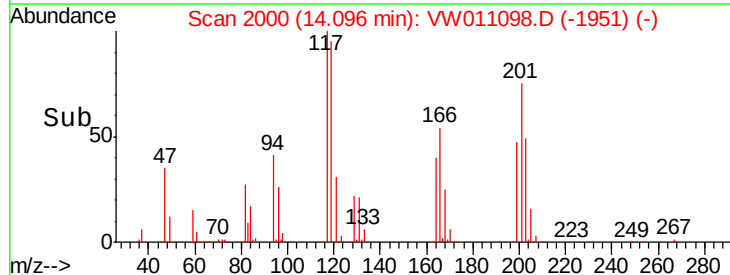
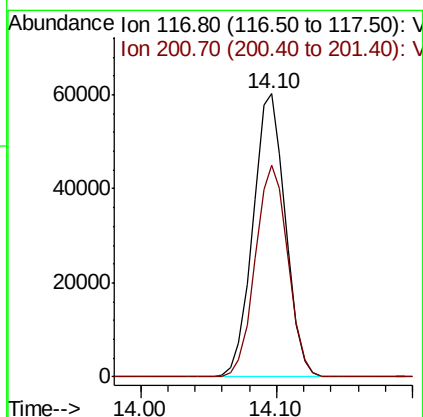
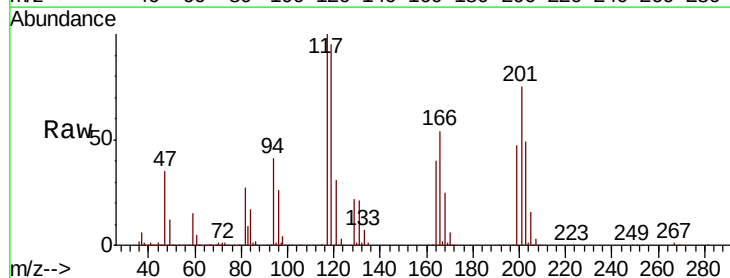
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

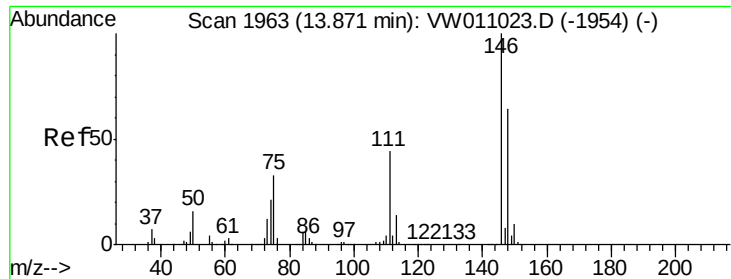
Tot Ion: 91 Resp: 567043
Ion Ratio Lower Upper
91 100
92 54.2 27.1 81.2
134 24.2 12.0 36.1



#90
Hexachloroethane
Concen: 56.161 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion: 117 Resp: 100687
Ion Ratio Lower Upper
117 100
201 75.3 38.0 114.0

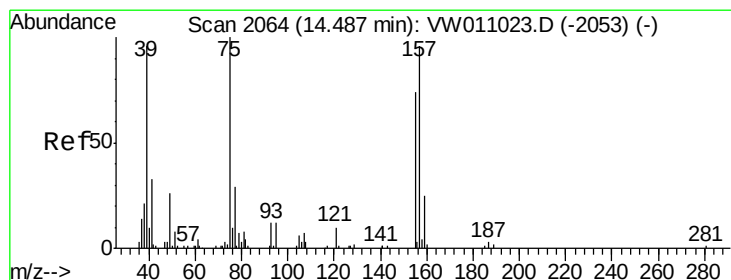
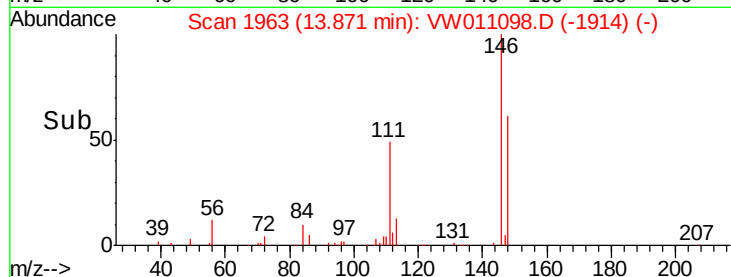
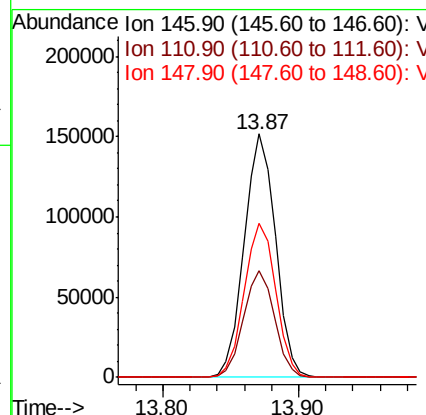
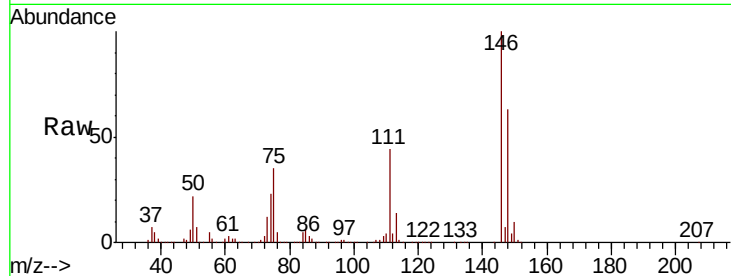




#91
 1,2-Dichlorobenzene
 Concen: 55.246 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

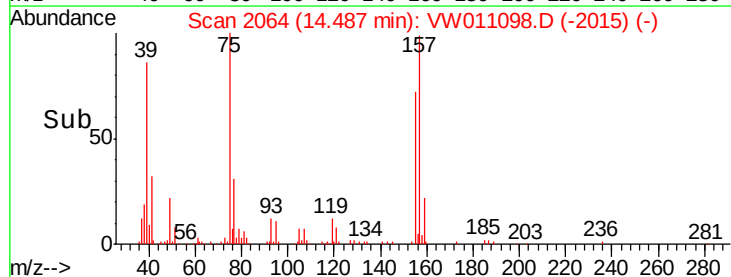
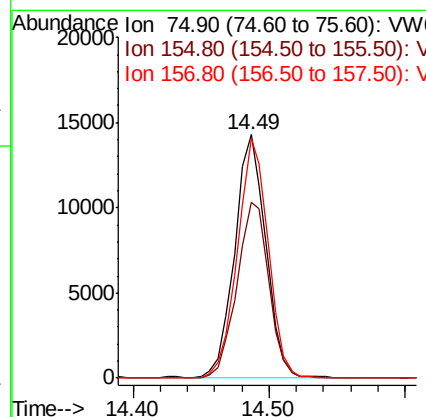
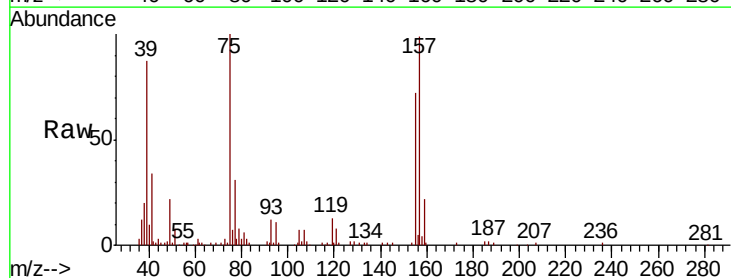
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

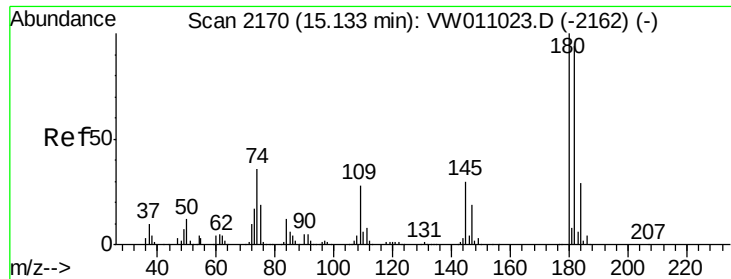
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	63.8	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.253 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	37.0	110.9
157	96.8	45.9	137.7

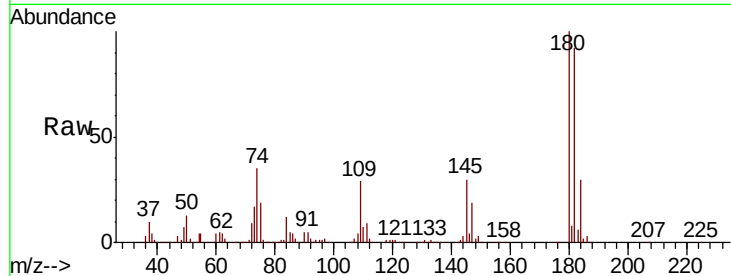




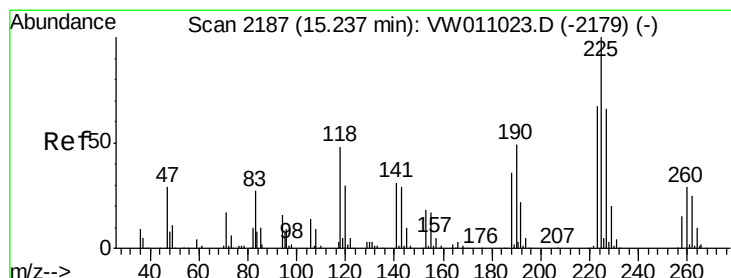
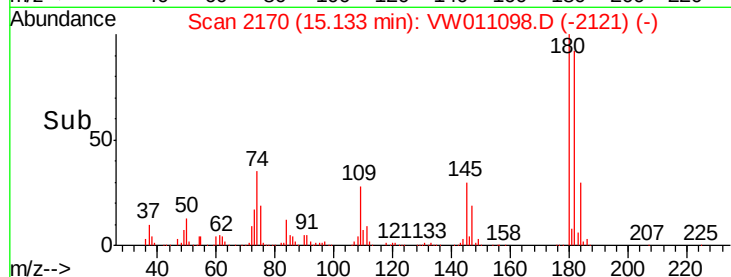
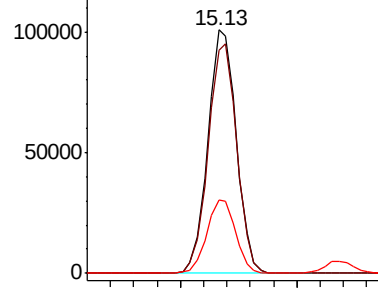
#93
 1,2,4-Trichlorobenzene
 Concen: 54.896 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 171046
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.4 142.2
 145 30.4 15.3 45.8

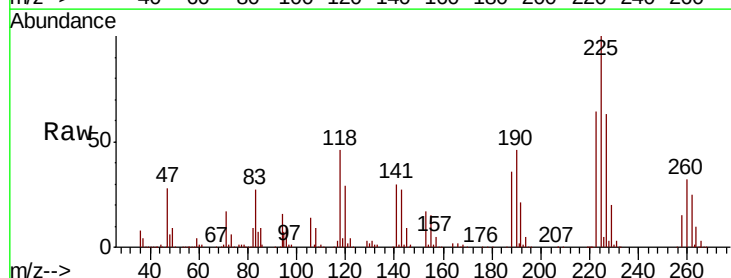


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

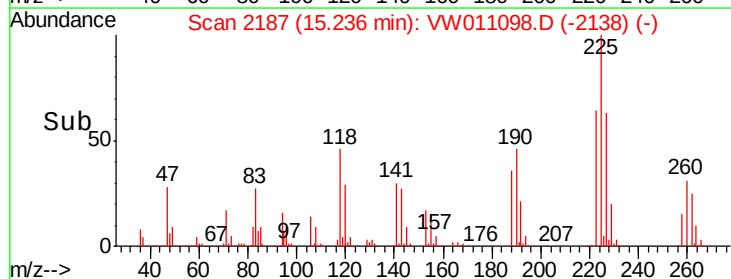
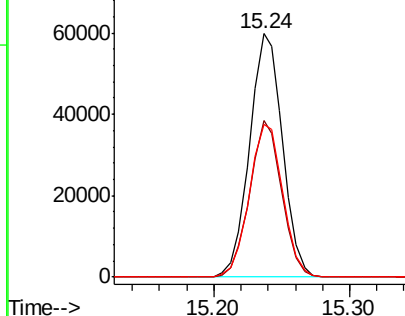


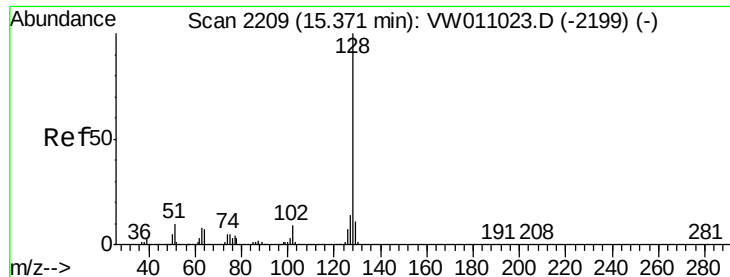
#94
 Hexachlorobutadiene
 Concen: 53.637 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011098.D
 Acq: 01 Jul 2019 21:08

Tgt Ion:225 Resp: 101364
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.9 95.9
 227 63.6 31.9 95.9



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

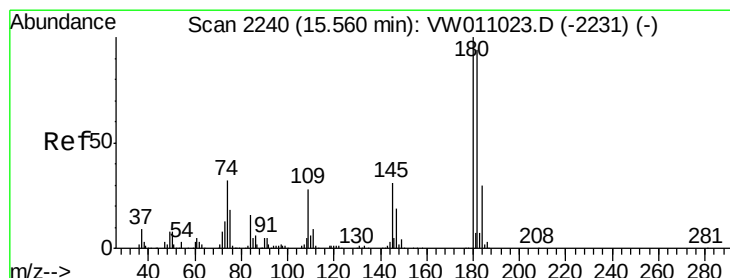
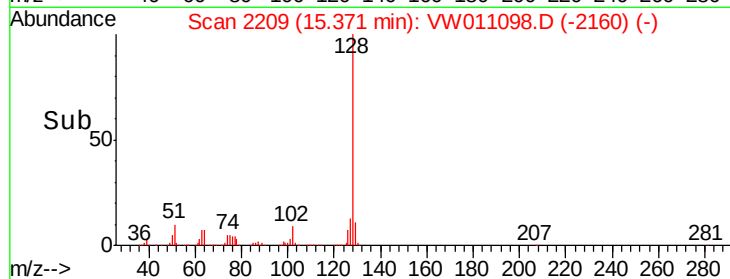
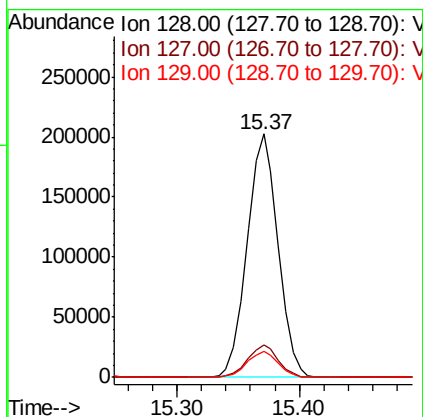
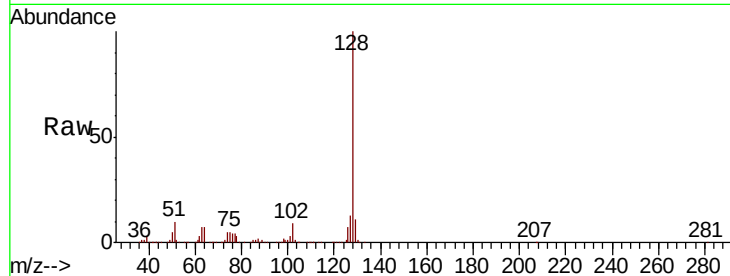




#95
Naphthalene
Concen: 60.693 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 355225
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 55.013 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011098.D
Acq: 01 Jul 2019 21:08

Tgt Ion:180 Resp: 153058
Ion Ratio Lower Upper
180 100
182 94.8 47.9 143.7
145 32.0 16.1 48.2

