

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080419\
 Data File : VW011657.D
 Acq On : 03 Aug 2019 11:09
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 04 01:49:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	251246	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	393310	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342324	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164088	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	150068	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.88	113	122367	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	10.32	98	511937	56.67	ug/l	0.00
Spiked Amount			Recovery	=	113.34%	
62) 4-Bromofluorobenzene	12.62	95	175994	54.64	ug/l	0.00
Spiked Amount			Recovery	=	109.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	73646	52.596	ug/l	97
3) Chloromethane	2.21	50	111273	45.829	ug/l	99
4) Vinyl Chloride	2.36	62	151947	51.980	ug/l	99
5) Bromomethane	2.77	94	75849	46.878	ug/l	97
6) Chloroethane	2.92	64	85232	51.044	ug/l	99
7) Trichlorofluoromethane	3.25	101	79031	60.495	ug/l	98
8) Diethyl Ether	3.68	74	71857	48.512	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	135837	54.812	ug/l	99
10) Methyl Iodide	4.27	142	180576	51.561	ug/l	99
11) Tert butyl alcohol	5.18	59	44484	205.776	ug/l	100
12) 1,1-Dichloroethene	4.04	96	137148	52.414	ug/l	98
13) Acrolein	3.89	56	69883	337.586	ug/l	98
14) Allyl chloride	4.67	41	295938	53.176	ug/l	98
15) Acrylonitrile	5.37	53	176300	238.434	ug/l	99
16) Acetone	4.12	43	238015	259.357	ug/l	98
17) Carbon Disulfide	4.38	76	428779	52.356	ug/l	100
18) Methyl Acetate	4.67	43	92683	44.956	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	205111	49.397	ug/l	97
20) Methylene Chloride	4.92	84	142955	45.167	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	146683	51.997	ug/l	97
22) Diisopropyl ether	6.31	45	527264	50.251	ug/l	98
23) Vinyl Acetate	6.25	43	1664549	252.468	ug/l	100
24) 1,1-Dichloroethane	6.21	63	290132	51.629	ug/l	99
25) 2-Butanone	7.17	43	285865	238.051	ug/l	98
26) 2,2-Dichloropropane	7.17	77	169109	48.933	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	154832	49.869	ug/l	99
28) Bromochloromethane	7.51	49	121151	48.571	ug/l	98
29) Tetrahydrofuran	7.52	42	160947	234.474	ug/l	100
30) Chloroform	7.68	83	261922	50.521	ug/l	95
31) Cyclohexane	7.95	56	277015	51.354	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	212338	53.780	ug/l	100
36) 1,1-Dichloropropene	8.08	75	227652	55.665	ug/l	100
37) Ethyl Acetate	7.25	43	116389	49.466	ug/l	99
38) Carbon Tetrachloride	8.07	117	196615	56.159	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	260403	57.826	ug/l	99
40) Benzene	8.32	78	605810	52.884	ug/l	99
41) Methacrylonitrile	7.48	41	69918	49.710	ug/l	96
42) 1,2-Dichloroethane	8.40	62	183700	51.219	ug/l	100
43) Isopropyl Acetate	8.42	43	219497	50.725	ug/l	99
44) Trichloroethene	9.09	130	148843	54.060	ug/l	98
45) 1,2-Dichloropropane	9.37	63	160730	52.439	ug/l	98
46) Dibromomethane	9.46	93	71994	51.462	ug/l	99
47) Bromodichloromethane	9.64	83	193100	52.620	ug/l	99
48) Methyl methacrylate	9.43	41	105244	50.632	ug/l	98
49) 1,4-Dioxane	9.46	88	19737	974.366	ug/l #	78
51) 4-Methyl-2-Pentanone	10.21	43	559904	248.759	ug/l	99
52) Toluene	10.39	92	370656	53.579	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	200593	52.328	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	242849	53.281	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	100287	50.524	ug/l	98
56) Ethyl methacrylate	10.65	69	151564	52.181	ug/l	100
57) 1,3-Dichloropropane	10.93	76	191253	50.929	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	395143	299.623	ug/l	100
59) 2-Hexanone	10.97	43	414819	261.024	ug/l	100
60) Dibromochloromethane	11.13	129	115798	52.556	ug/l	99
61) 1,2-Dibromoethane	11.24	107	93113	49.570	ug/l	98
64) Tetrachloroethene	10.86	164	121998	54.735	ug/l	99
65) Chlorobenzene	11.66	112	363994	52.888	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	128605	53.646	ug/l	100
67) Ethyl Benzene	11.73	91	726280	55.409	ug/l	100
68) m/p-Xylenes	11.84	106	524459	110.022	ug/l	100
69) o-Xylene	12.16	106	241983	54.628	ug/l	100
70) Styrene	12.18	104	416233	54.346	ug/l	100
71) Bromoform	12.35	173	63541	51.986	ug/l #	98
73) Isopropylbenzene	12.46	105	686449	56.076	ug/l	100
74) N-amyl acetate	12.27	43	201985	52.704	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	119411	51.859	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	82341m	47.425	ug/l	
77) Bromobenzene	12.74	156	146224	54.043	ug/l	99
78) n-propylbenzene	12.80	91	848205	56.935	ug/l	100
79) 2-Chlorotoluene	12.89	91	467789	54.504	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	578988	56.424	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	40544	53.817	ug/l	99
82) 4-Chlorotoluene	12.99	91	498824	55.394	ug/l	99
83) tert-Butylbenzene	13.21	119	487684	56.833	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	572779	55.412	ug/l	100
85) sec-Butylbenzene	13.38	105	702296	57.359	ug/l	100
86) p-Isopropyltoluene	13.50	119	632142	56.903	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	287728	54.234	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	280074	53.069	ug/l	99
89) n-Butylbenzene	13.82	91	644696	58.153	ug/l	99
90) Hexachloroethane	14.09	117	110727	56.367	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	250710	53.430	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20209	51.468	ug/l	99

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
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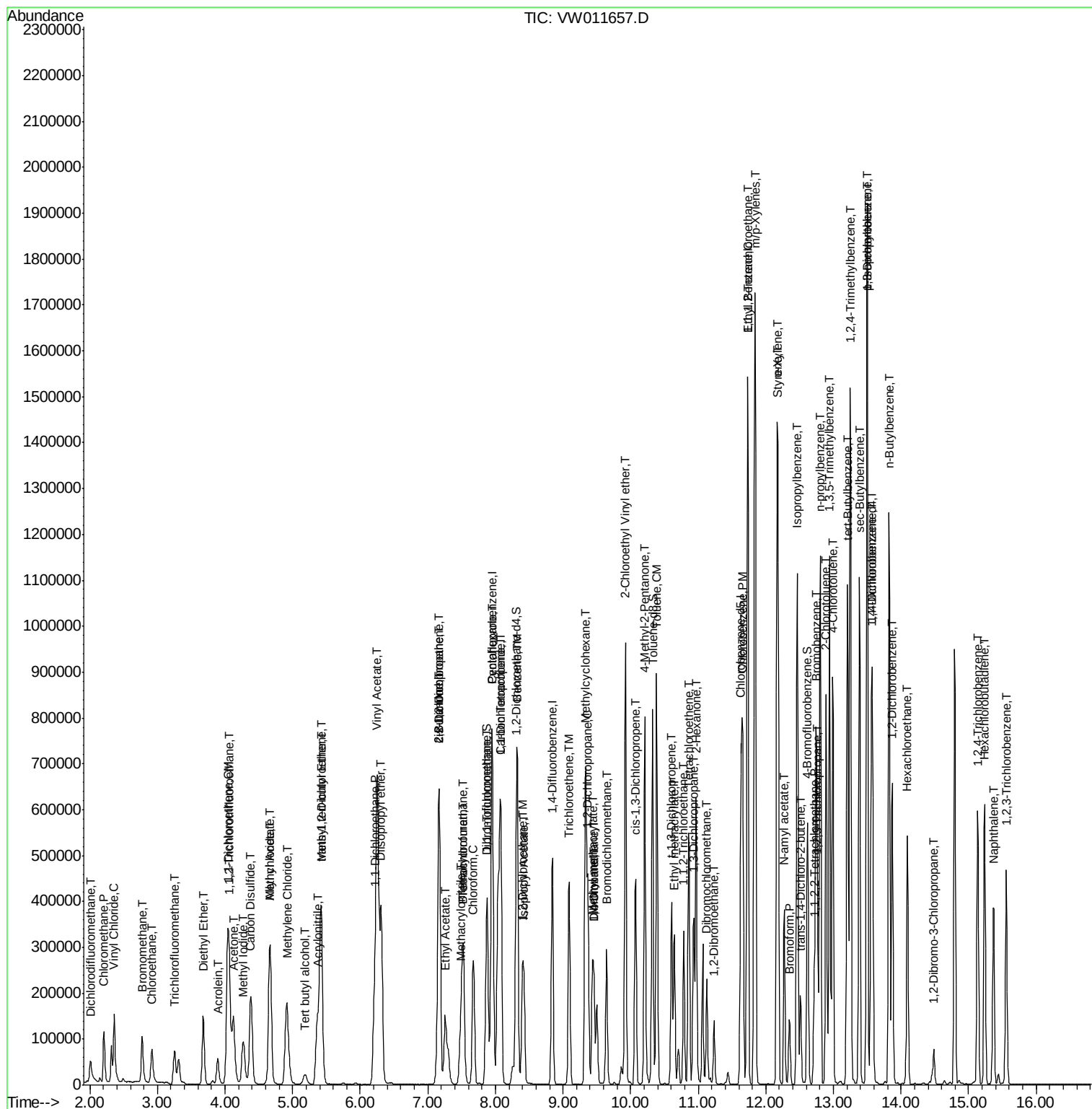
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	183832	55.589	ug/l	99
94) Hexachlorobutadiene	15.24	225	118996	57.701	ug/l	98
95) Naphthalene	15.37	128	327011	50.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	158660	54.734	ug/l	99

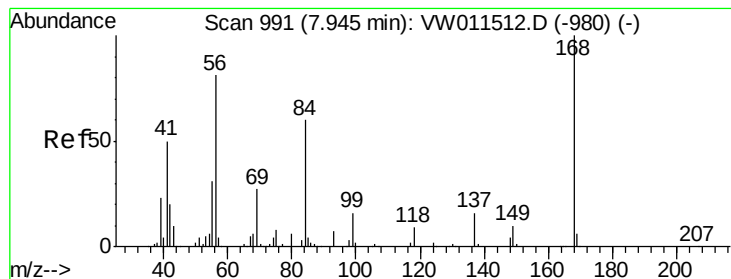
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

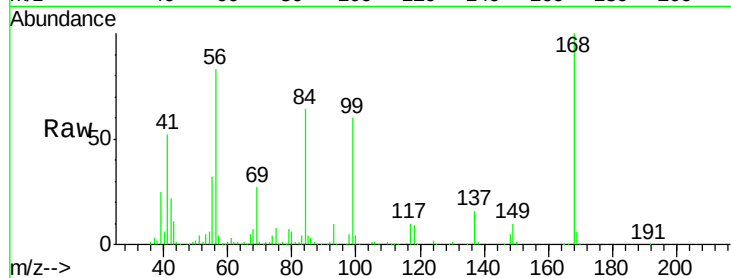
VSTDCCC050

Tot Ion:168 Resp: 251246

Ion Ratio Lower Upper

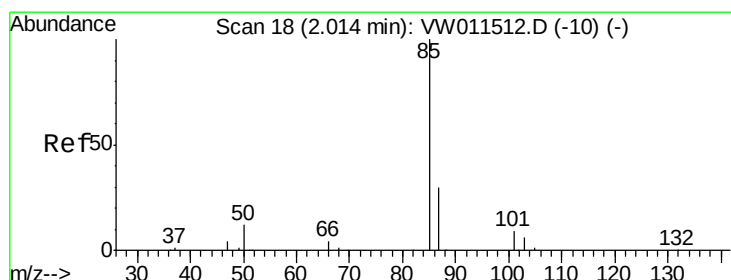
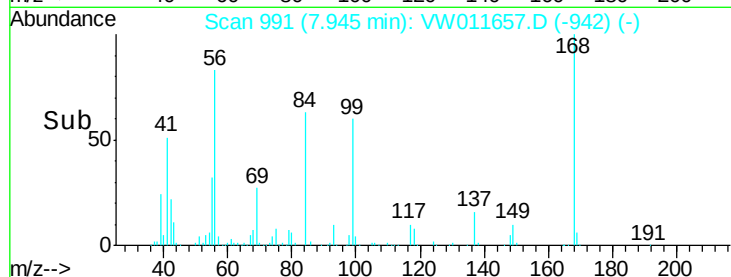
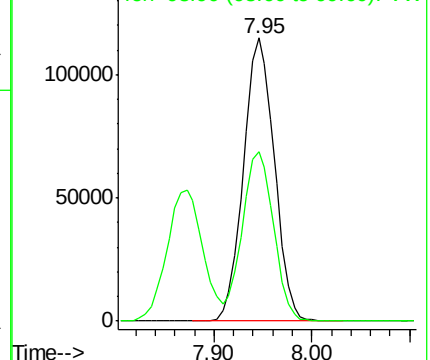
168 100

99 59.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 52.596 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011657.D

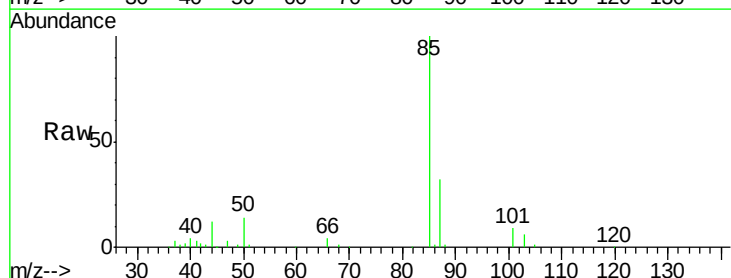
Acq: 03 Aug 2019 11:09

Tgt Ion: 85 Resp: 73646

Ion Ratio Lower Upper

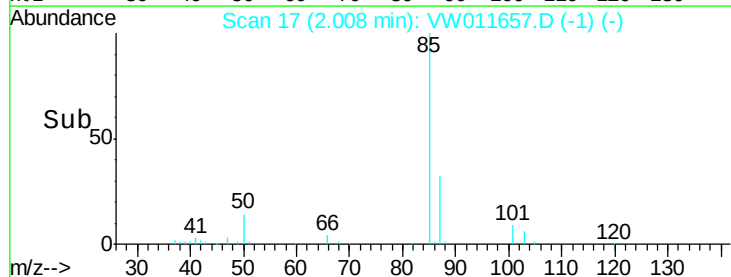
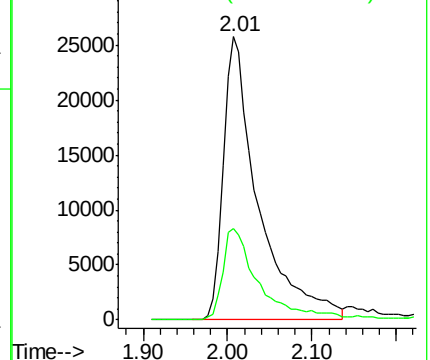
85 100

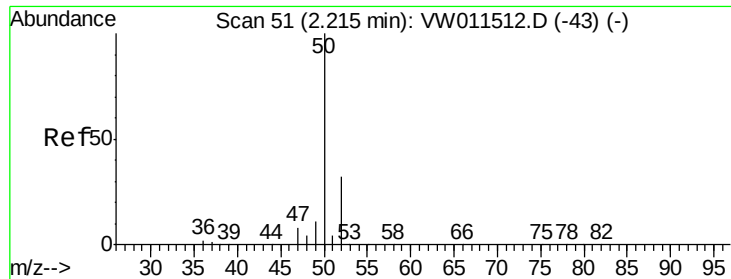
87 32.2 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 45.829 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

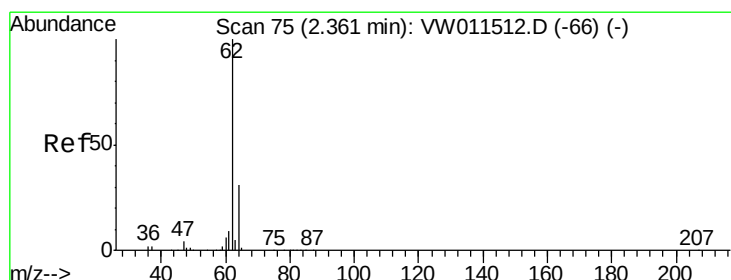
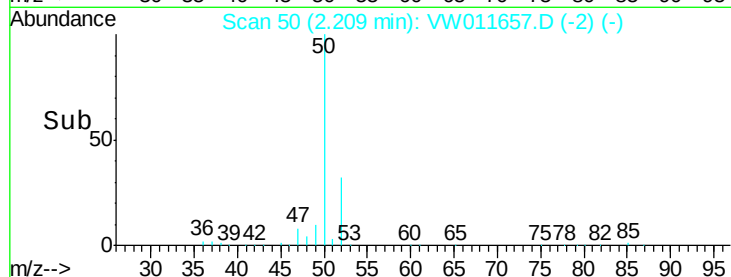
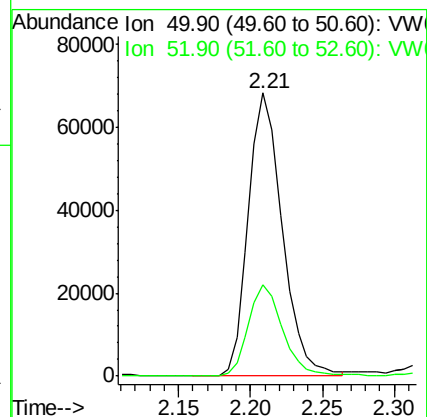
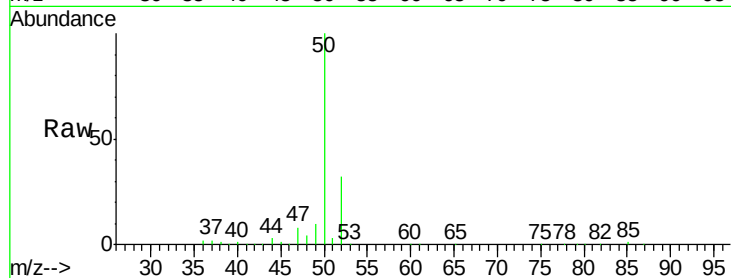
VSTDCCC050

Tot Ion: 50 Resp: 111273

Ion Ratio Lower Upper

50 100

52 32.4 25.4 38.2



#4

Vinyl Chloride

Concen: 51.980 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011657.D

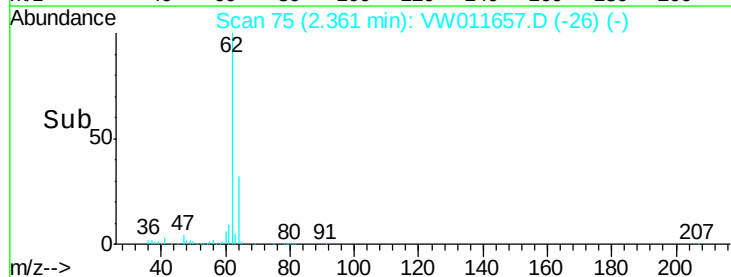
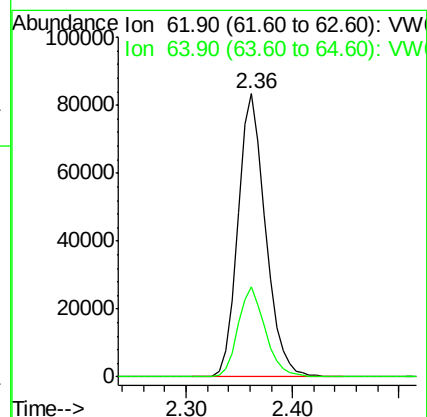
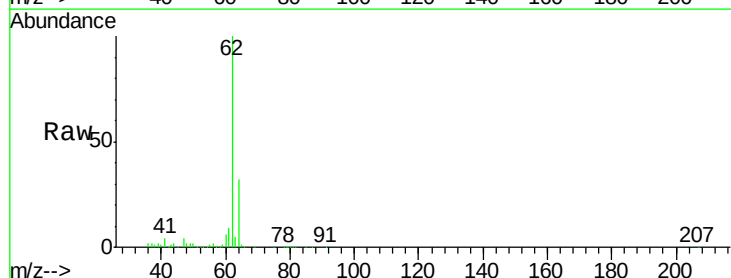
Acq: 03 Aug 2019 11:09

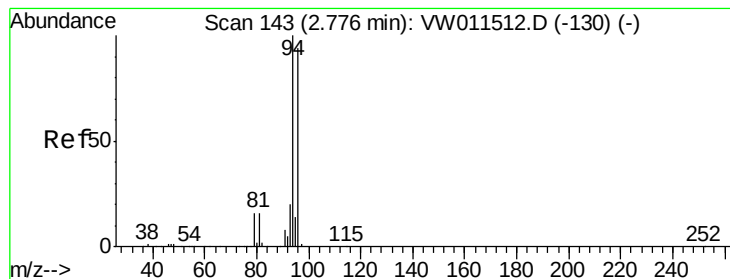
Tgt Ion: 62 Resp: 151947

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 46.878 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

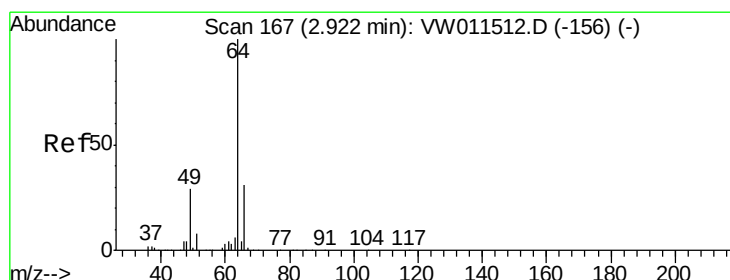
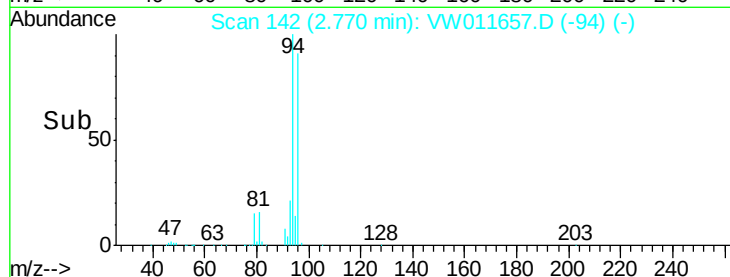
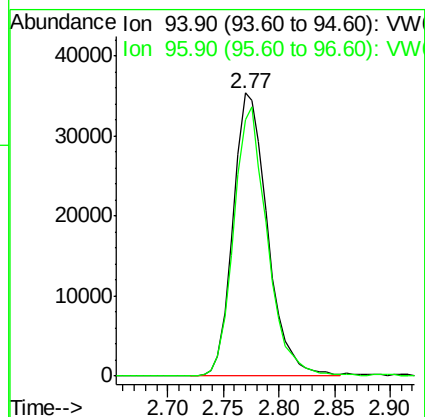
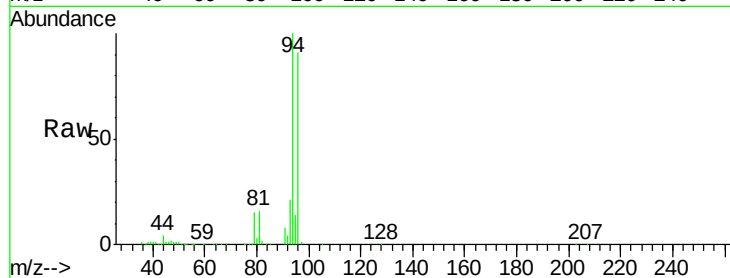
VSTDCCC050

Tot Ion: 94 Resp: 75849

Ion Ratio Lower Upper

94 100

96 90.7 75.0 112.6



#6

Chloroethane

Concen: 51.044 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011657.D

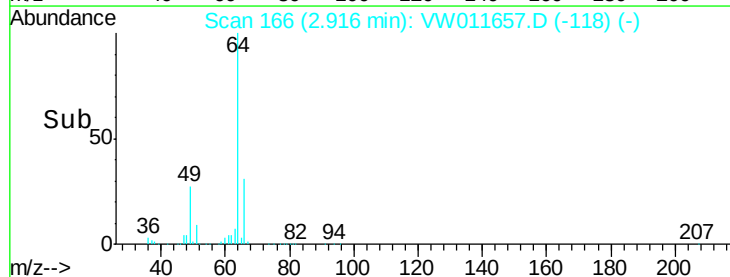
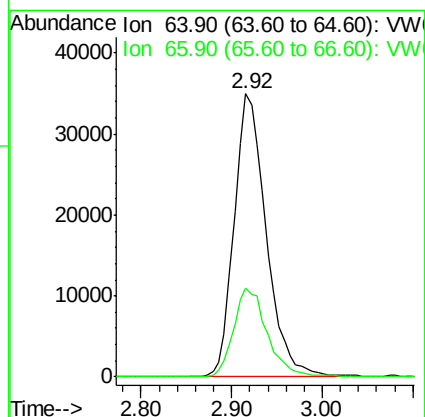
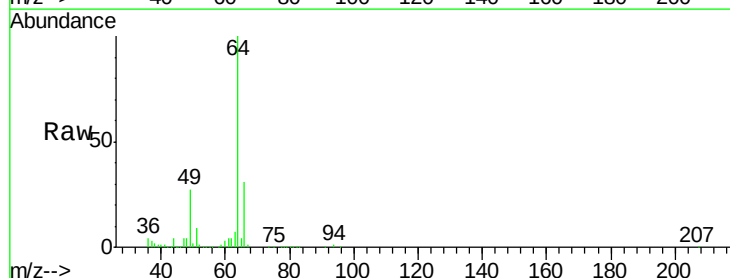
Acq: 03 Aug 2019 11:09

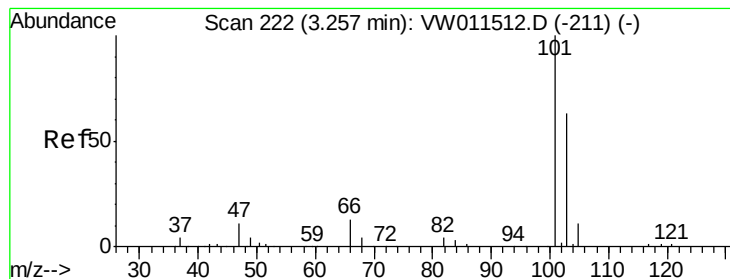
Tgt Ion: 64 Resp: 85232

Ion Ratio Lower Upper

64 100

66 31.2 24.6 36.8



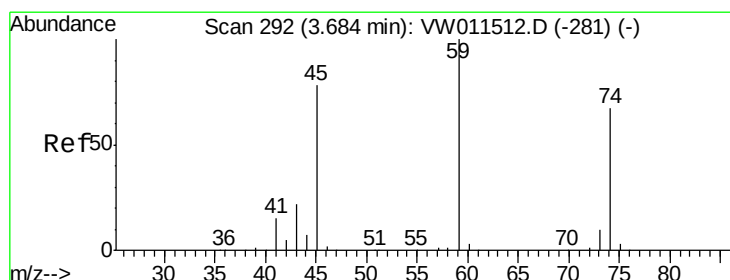
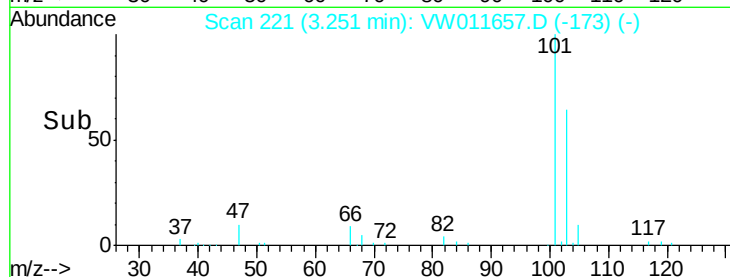
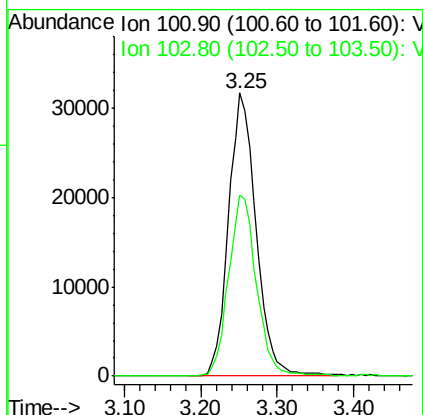
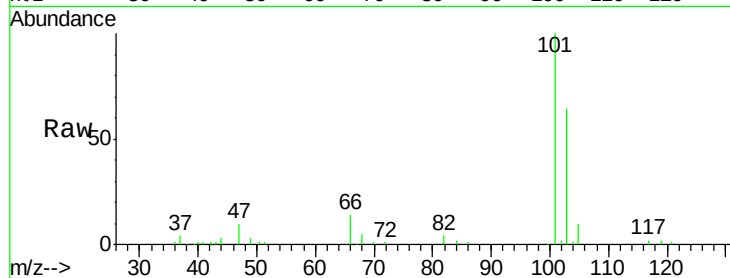


#7

Trichlorofluoromethane
 Concen: 60.495 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011657.D
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Instrument :
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 ClientSampleId :
 VSTDCCC050

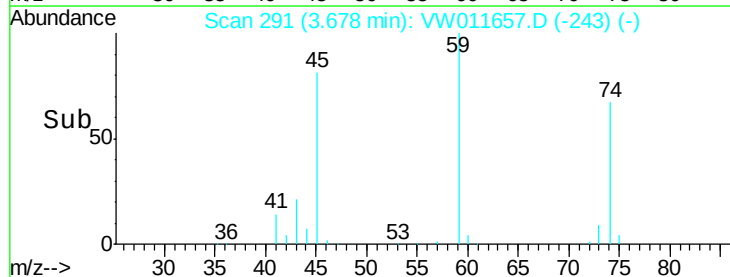
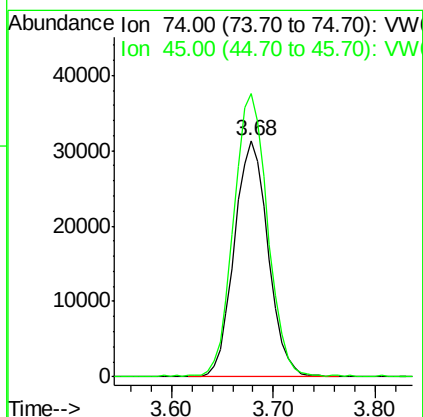
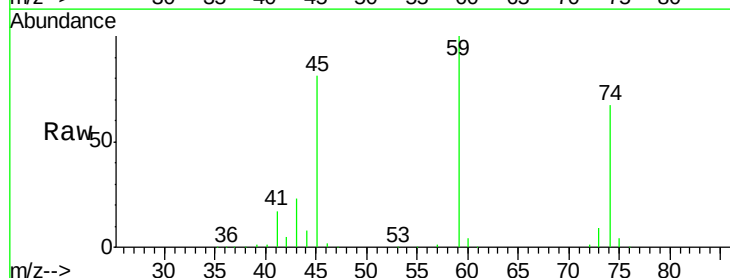
Tot Ion:101 Resp: 79031
 Ion Ratio Lower Upper
 101 100
 103 64.1 50.2 75.4

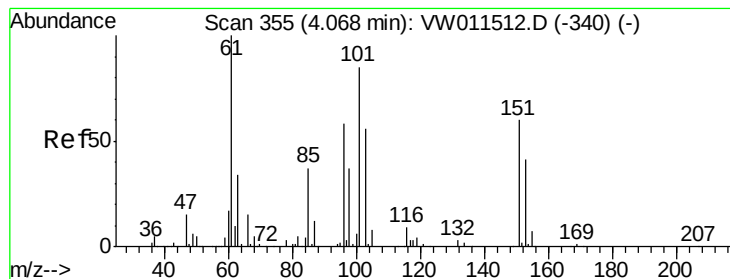


#8

Diethyl Ether
 Concen: 48.512 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 74 Resp: 71857
 Ion Ratio Lower Upper
 74 100
 45 119.7 59.6 178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.812 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

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VSTDCCC050

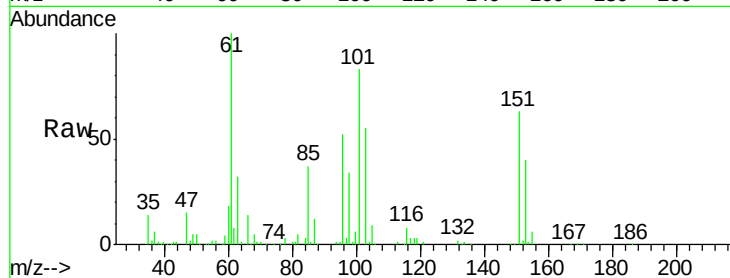
Tot Ion:101 Resp: 135837

Ion Ratio Lower Upper

101 100

85 44.8 36.6 54.8

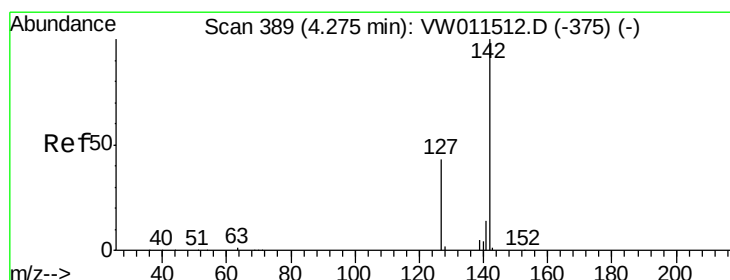
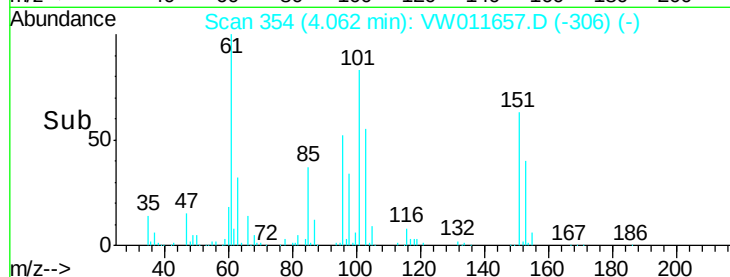
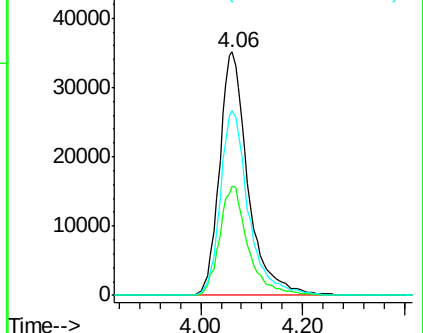
151 75.3 60.2 90.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.561 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

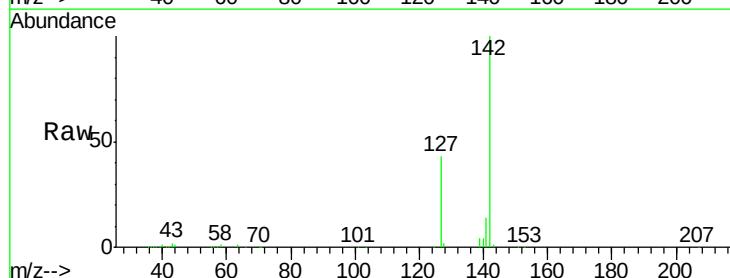
Tgt Ion:142 Resp: 180576

Ion Ratio Lower Upper

142 100

127 44.5 35.0 52.6

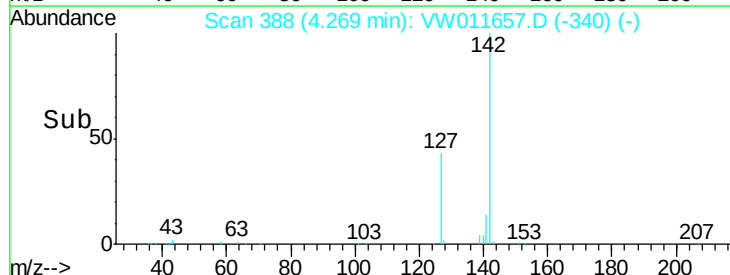
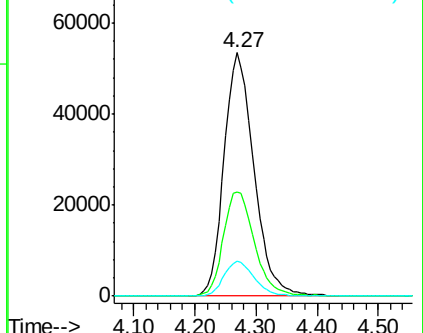
141 14.6 11.9 17.9

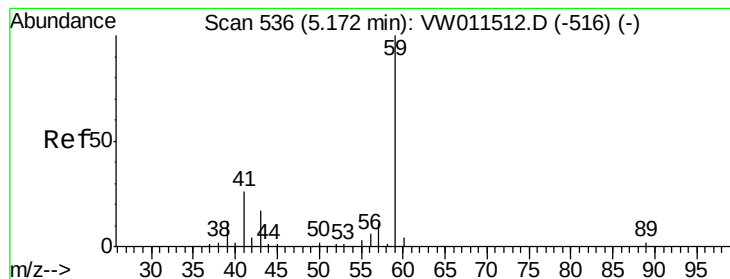


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



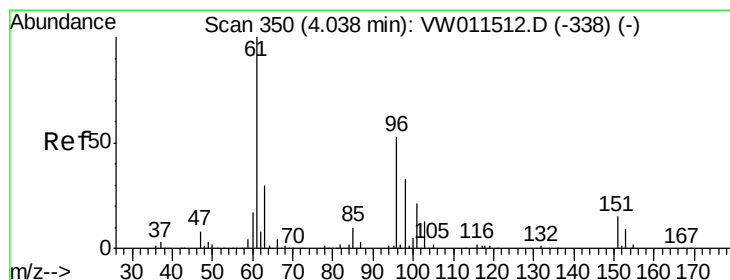
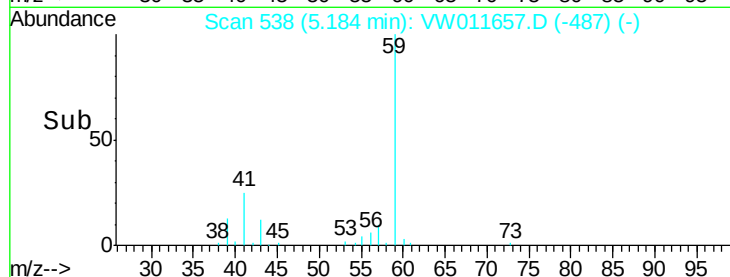
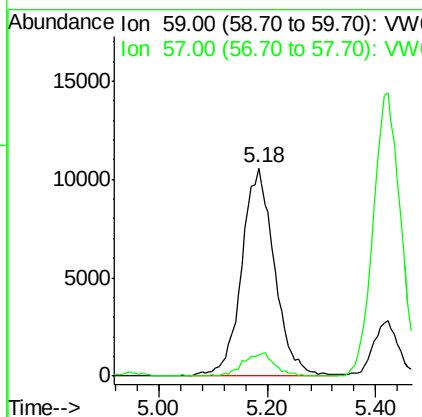
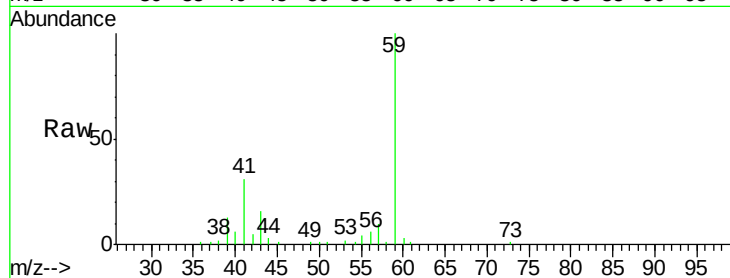


#11

Tert butyl alcohol
 Concen: 205.776 ug/l
 RT: 5.18 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

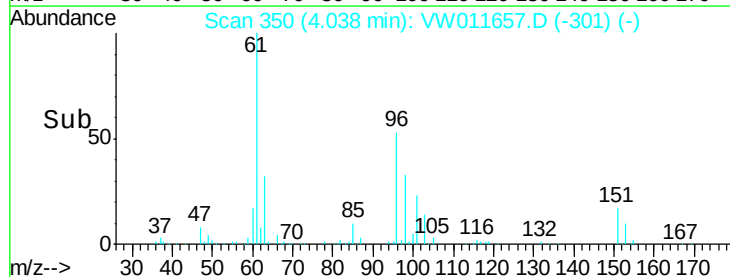
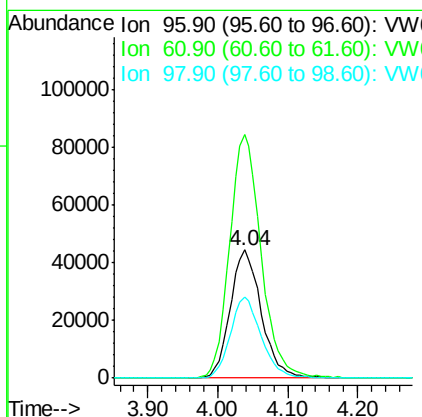
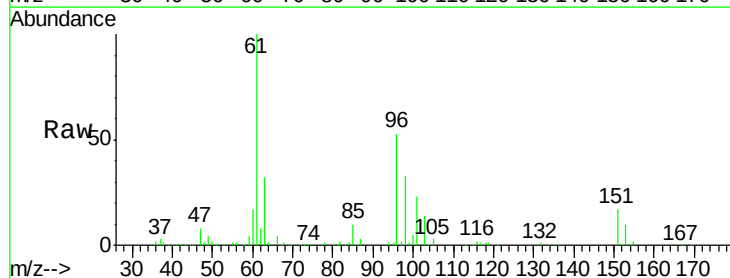
Tot Ion: 59 Resp: 44484
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

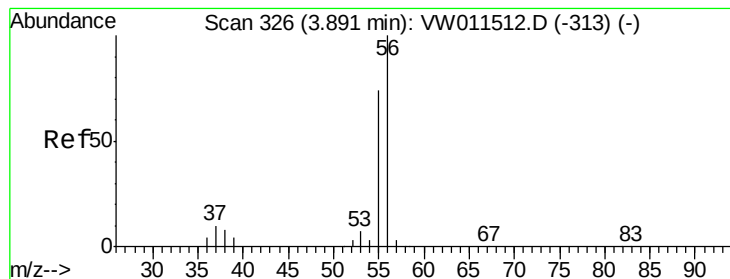


#12

1,1-Dichloroethene
 Concen: 52.414 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 96 Resp: 137148
 Ion Ratio Lower Upper
 96 100
 61 190.0 149.9 224.9
 98 63.3 49.1 73.7





#13

Acrolein

Concen: 337.586 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

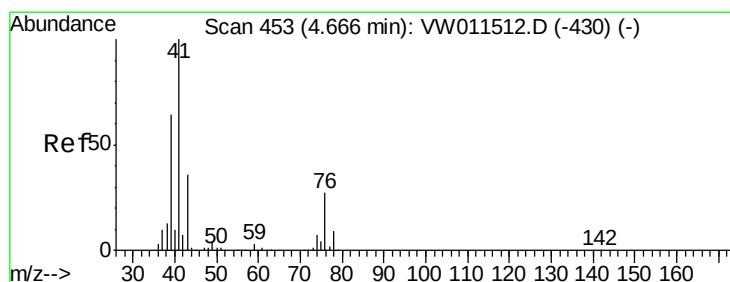
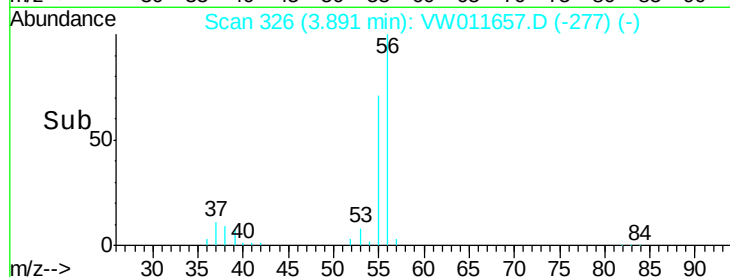
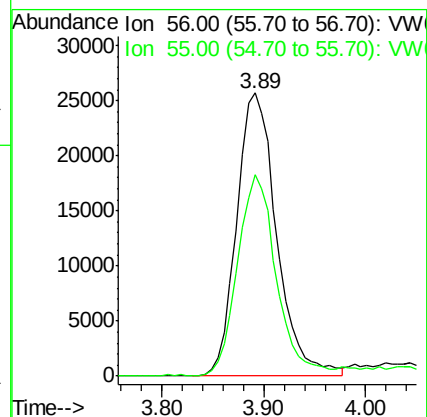
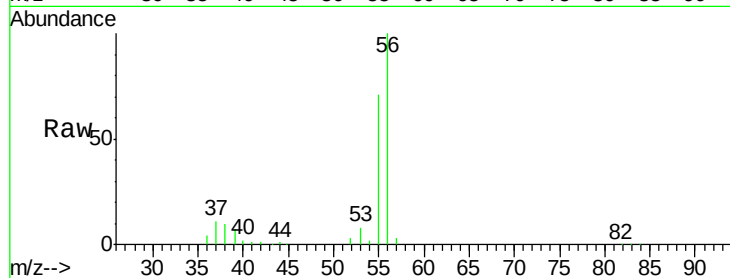
VSTDCCC050

Tot Ion: 56 Resp: 69883

Ion Ratio Lower Upper

56 100

55 68.7 56.0 84.0



#14

Allyl chloride

Concen: 53.176 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

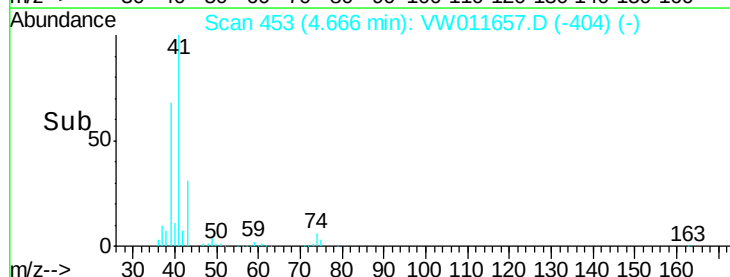
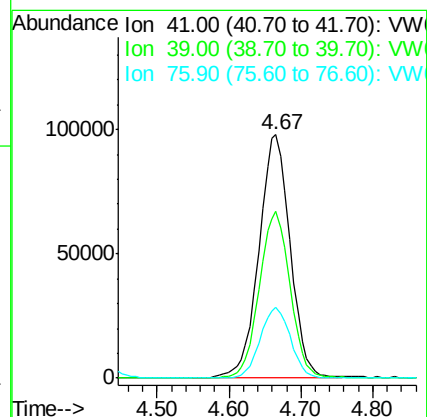
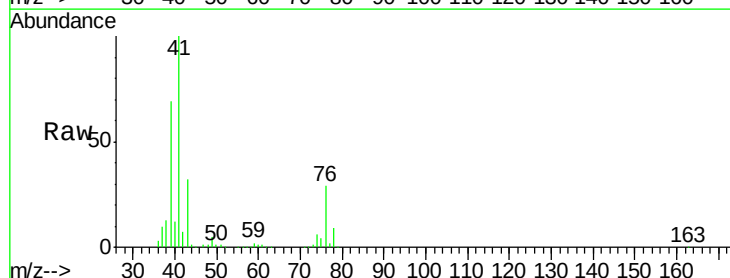
Tgt Ion: 41 Resp: 295938

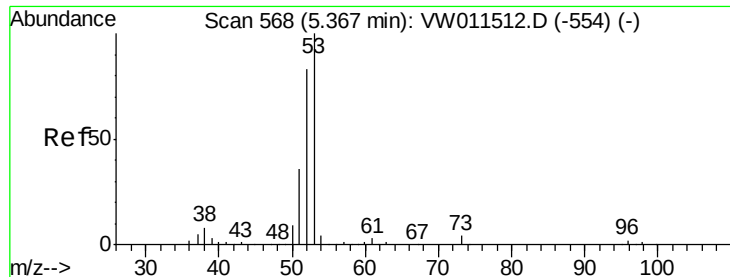
Ion Ratio Lower Upper

41 100

39 67.3 52.6 78.8

76 28.2 22.0 33.0





#15

Acrylonitrile

Concen: 238.434 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

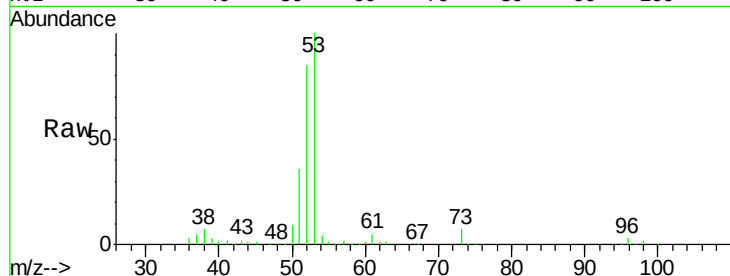
Tot Ion: 53 Resp: 176300

Ion Ratio Lower Upper

53 100

52 83.3 67.2 100.8

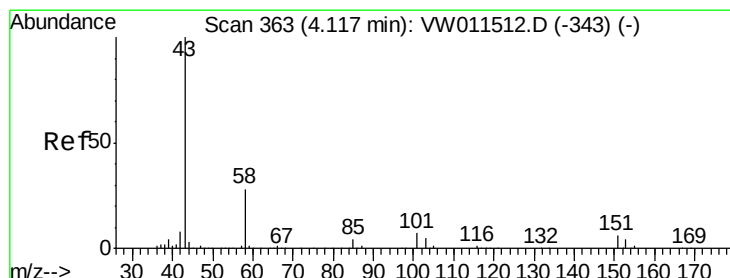
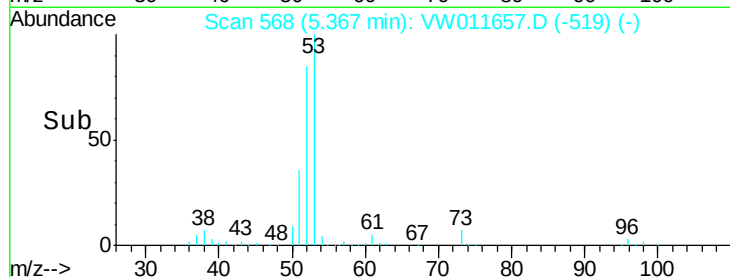
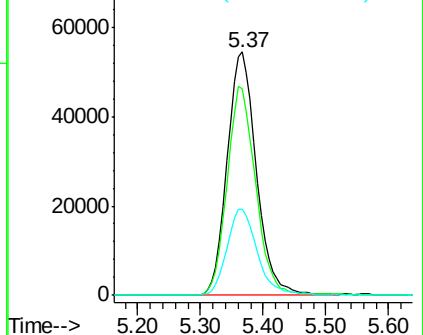
51 36.8 30.0 45.0



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: 259.357 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011657.D

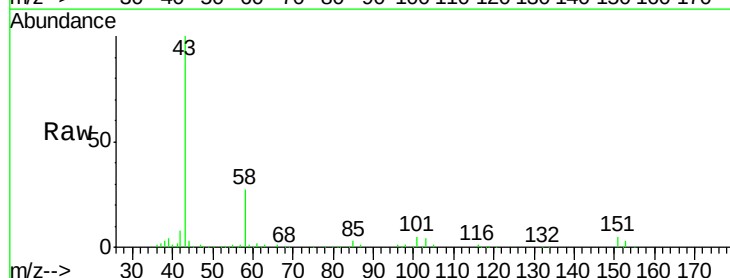
Acq: 03 Aug 2019 11:09

Tgt Ion: 43 Resp: 238015

Ion Ratio Lower Upper

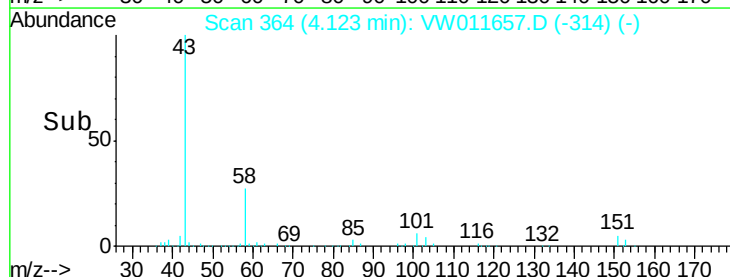
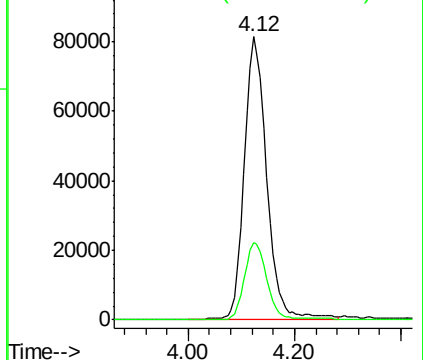
43 100

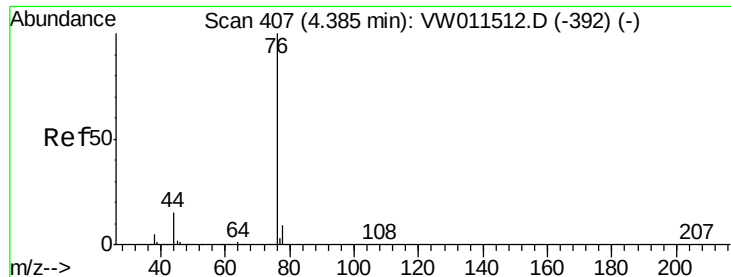
58 27.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 52.356 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

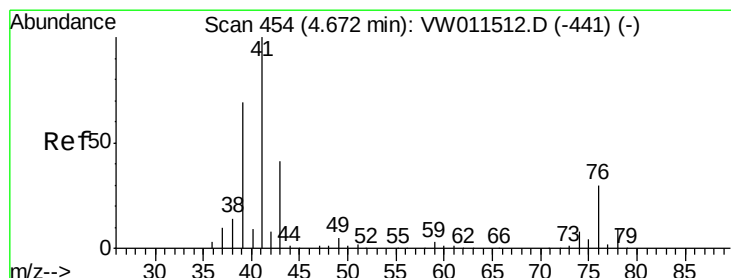
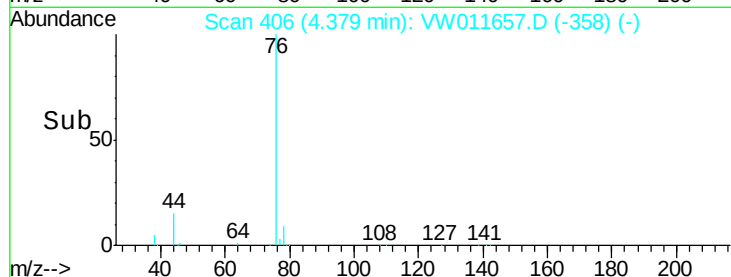
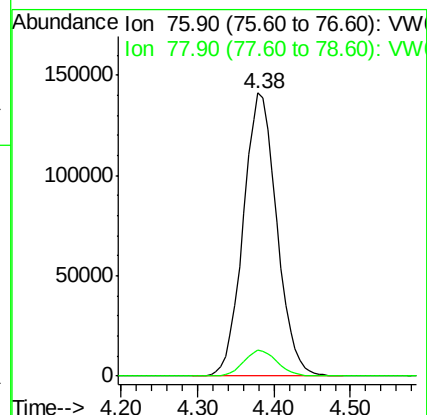
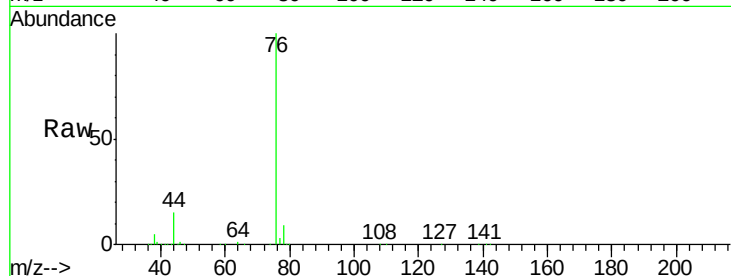
VSTDCCC050

Tot Ion: 76 Resp: 428779

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 44.956 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW011657.D

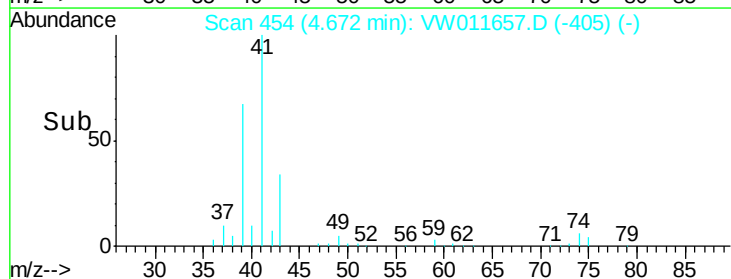
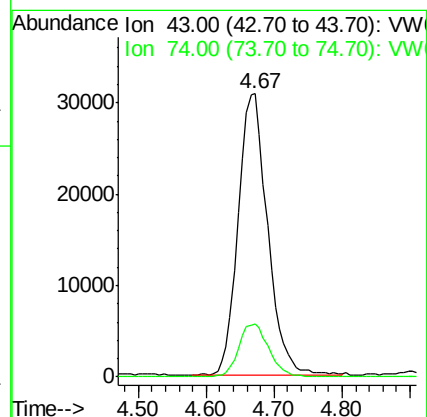
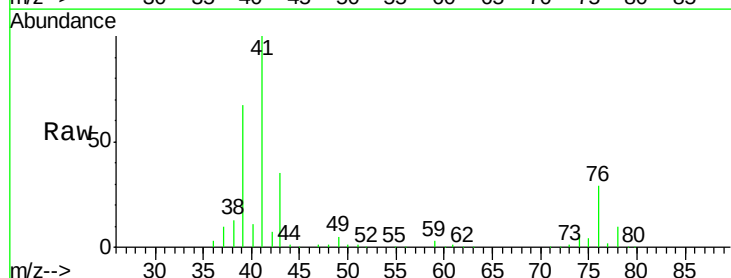
Acq: 03 Aug 2019 11:09

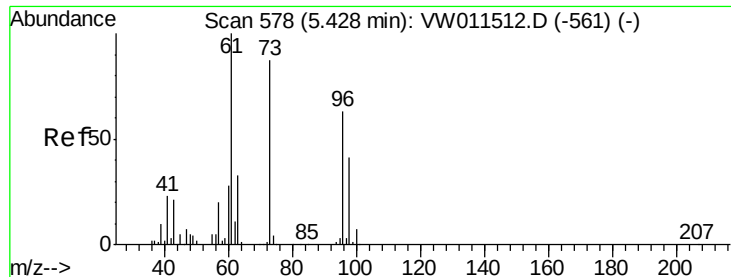
Tgt Ion: 43 Resp: 92683

Ion Ratio Lower Upper

43 100

74 19.2 15.9 23.9

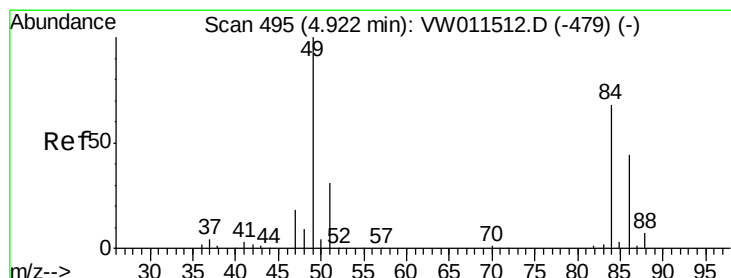
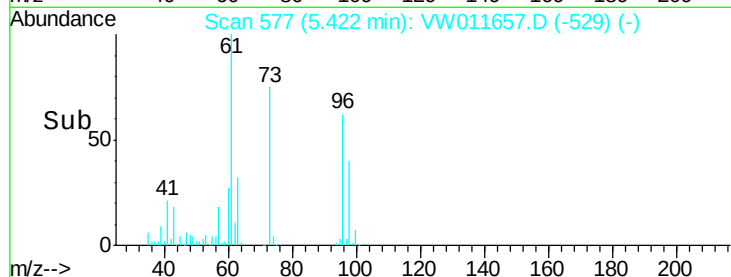
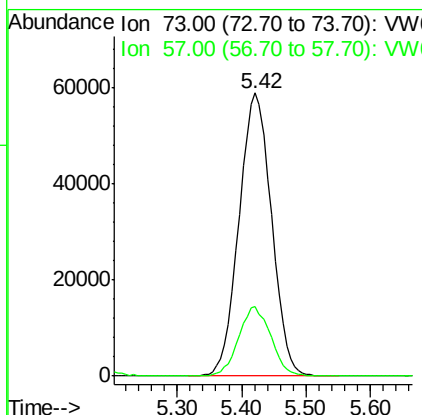
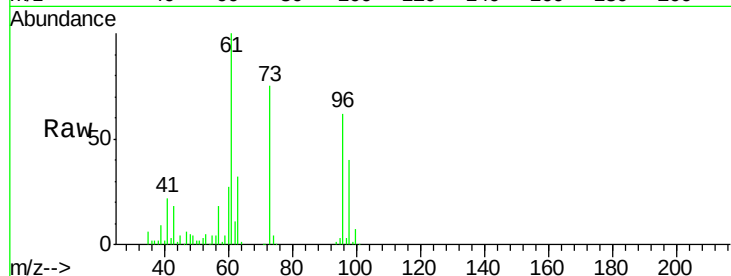




#19
Methyl tert-butyl Ether
Concen: 49.397 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

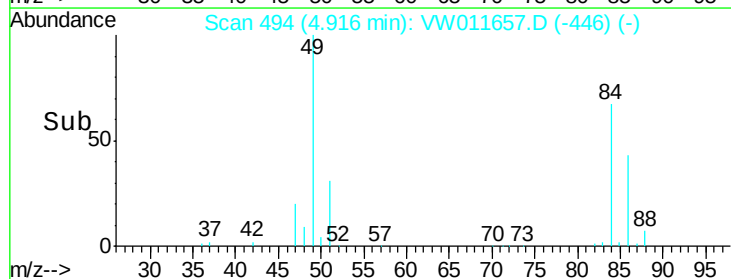
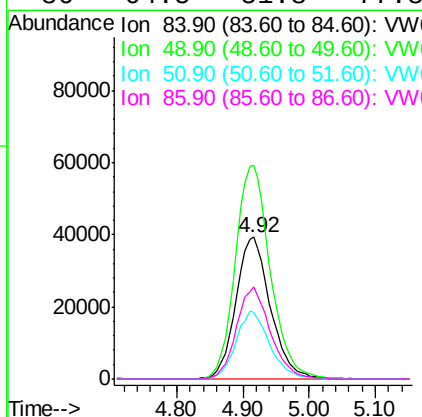
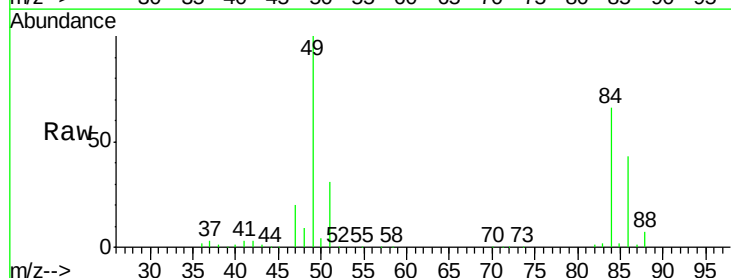
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

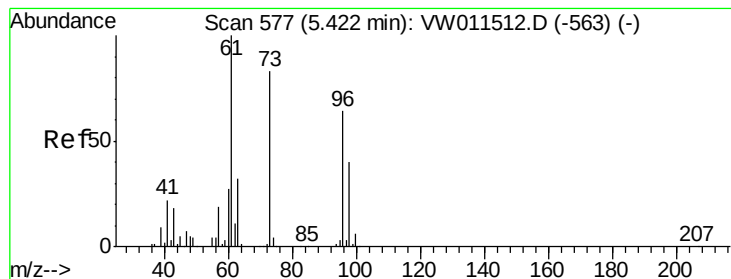
Tot Ion: 73 Resp: 205111
Ion Ratio Lower Upper
73 100
57 24.4 18.4 27.6



#20
Methylene Chloride
Concen: 45.167 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion: 84 Resp: 142955
Ion Ratio Lower Upper
84 100
49 150.5 117.8 176.6
51 46.6 37.0 55.4
86 64.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 51.997 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

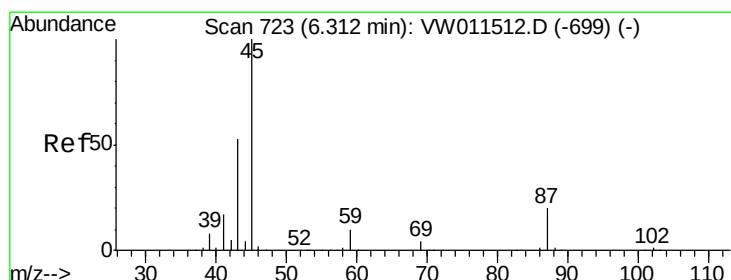
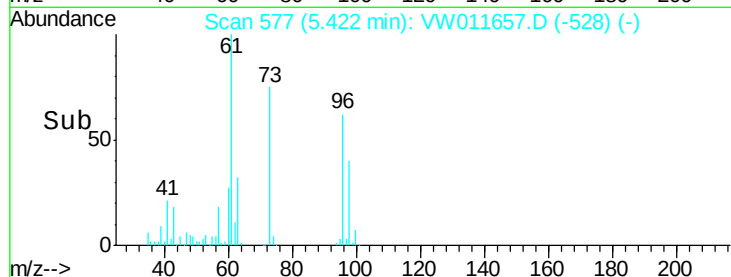
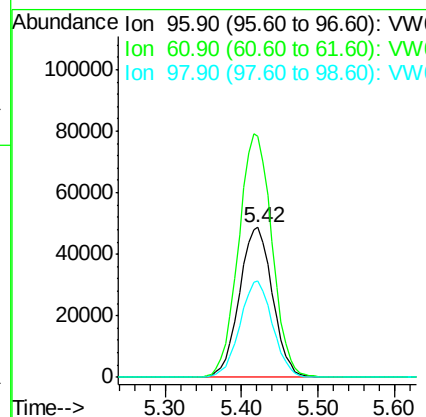
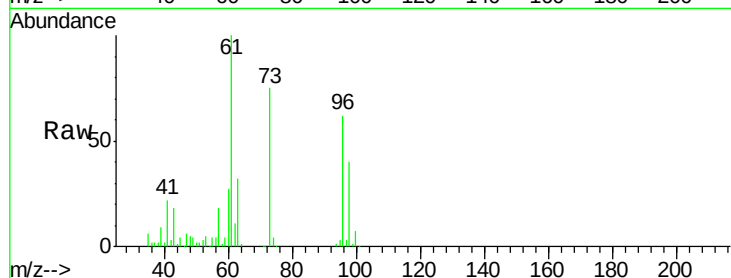
Tot Ion: 96 Resp: 146683

Ion Ratio Lower Upper

96 100

61 161.2 125.7 188.5

98 64.3 50.3 75.5



#22

Diisopropyl ether

Concen: 50.251 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Tgt Ion: 45 Resp: 527264

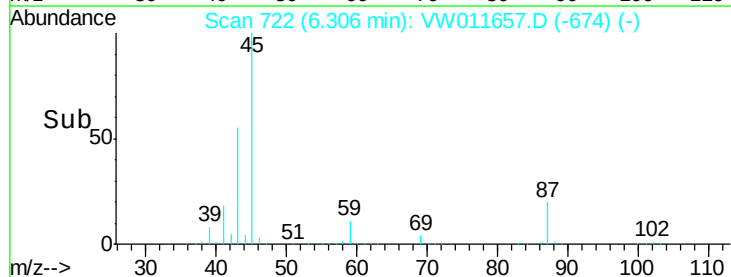
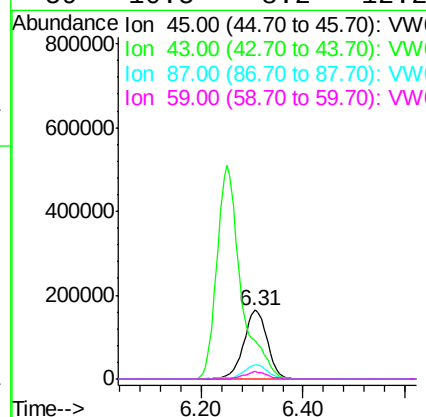
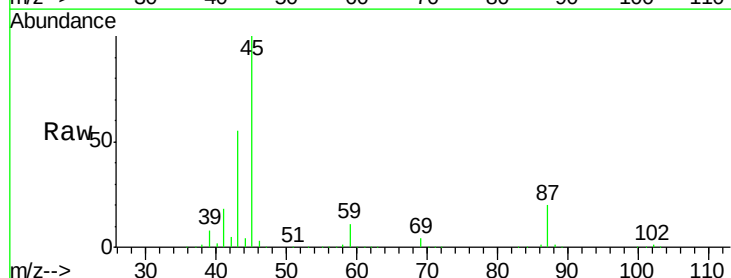
Ion Ratio Lower Upper

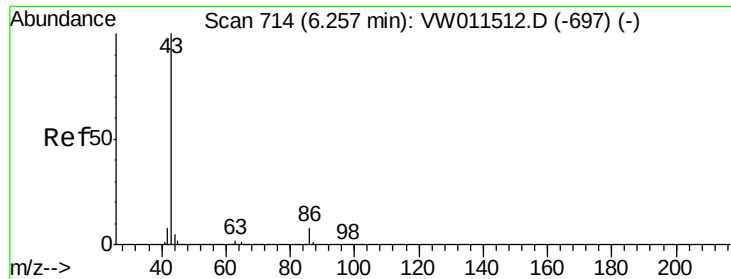
45 100

43 54.7 42.6 63.8

87 20.1 16.4 24.6

59 10.5 8.2 12.2





#23

Vinyl Acetate

Concen: 252.468 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampled :

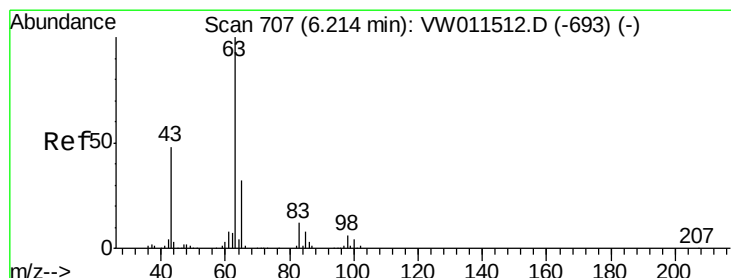
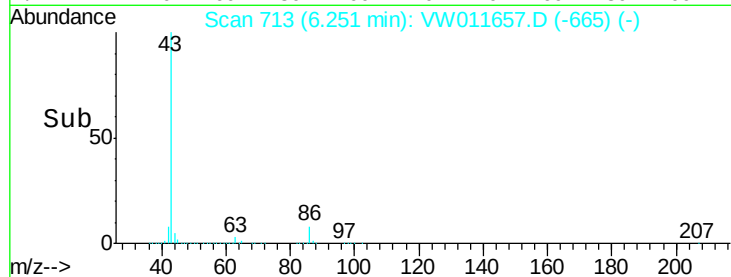
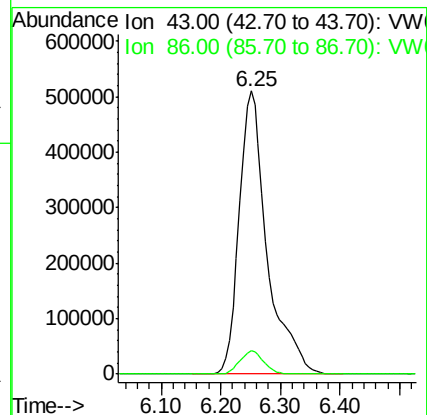
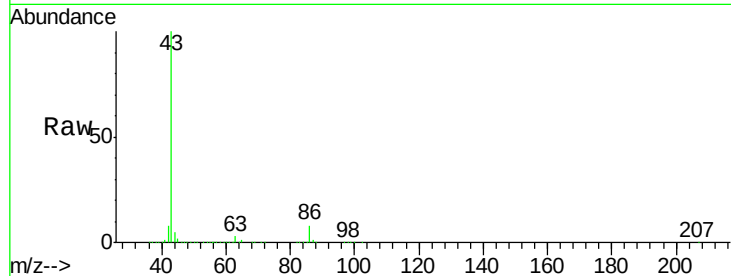
VSTDCCC050

Tot Ion: 43 Resp: 1664549

Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7



#24

1,1-Dichloroethane

Concen: 51.629 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

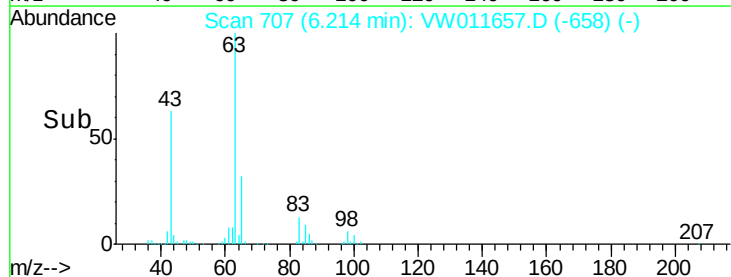
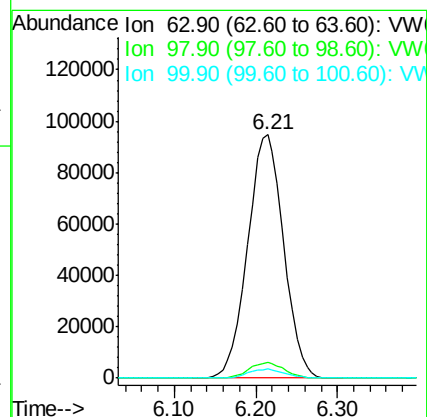
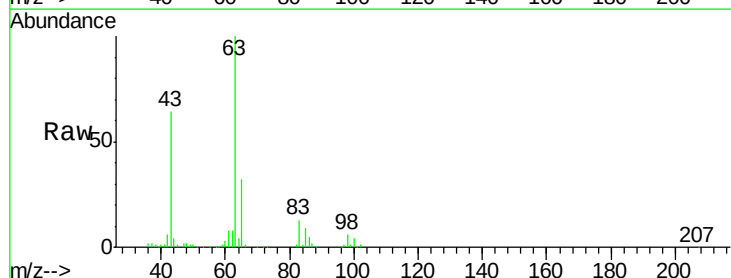
Tgt Ion: 63 Resp: 290132

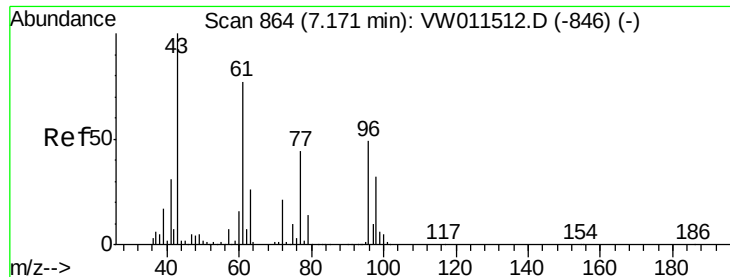
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.6 2.1 6.3





#25

2-Butanone

Concen: 238.051 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

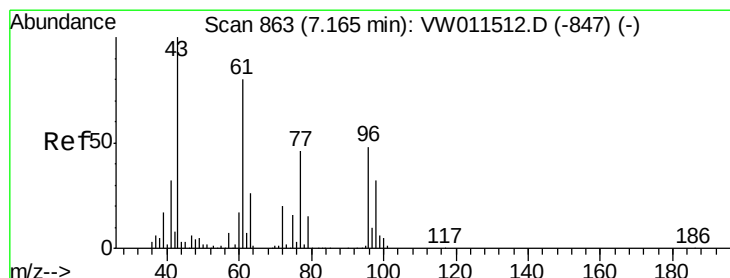
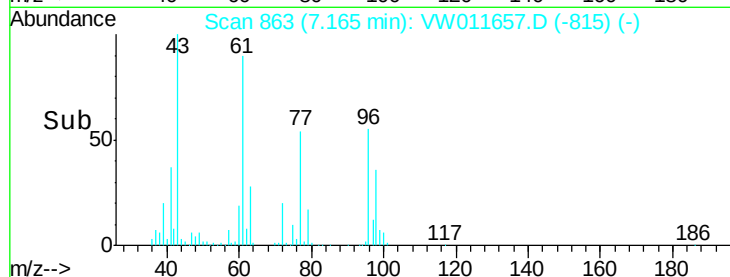
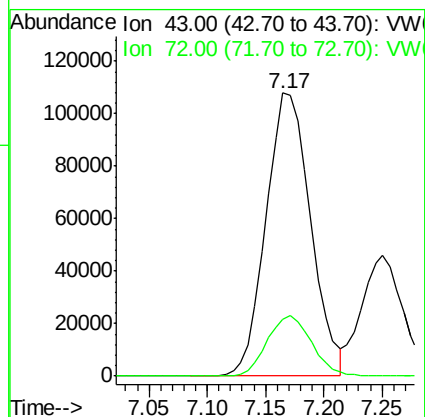
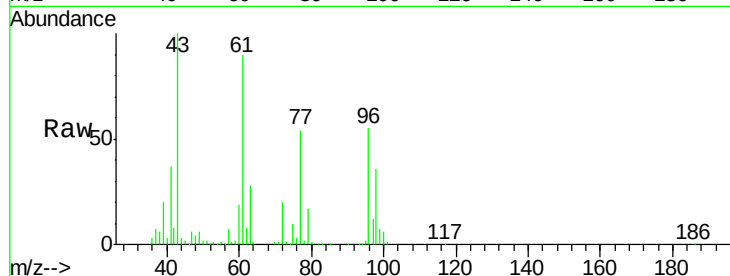
VSTDCCC050

Tot Ion: 43 Resp: 285865

Ion Ratio Lower Upper

43 100

72 20.0 16.6 24.8



#26

2,2-Dichloropropane

Concen: 48.933 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011657.D

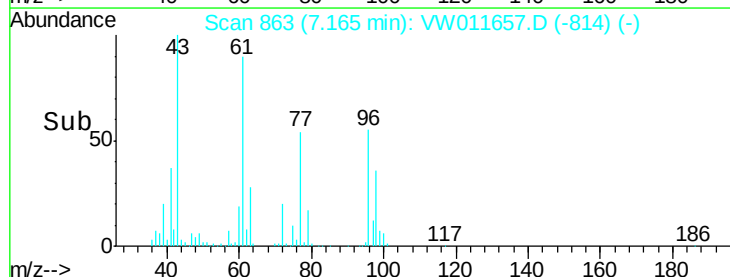
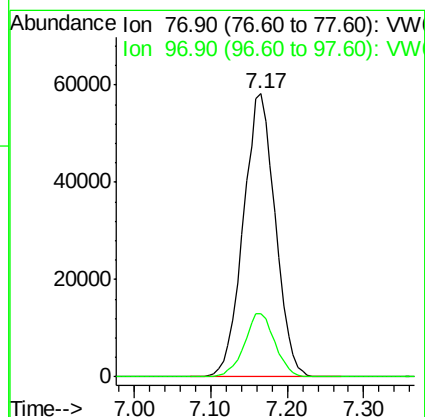
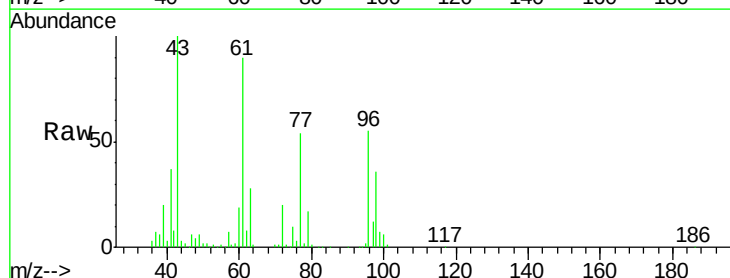
Acq: 03 Aug 2019 11:09

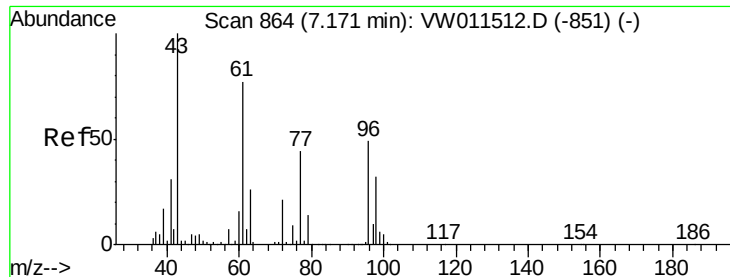
Tgt Ion: 77 Resp: 169109

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.4



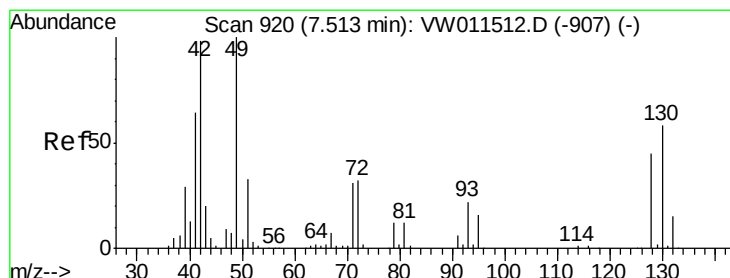
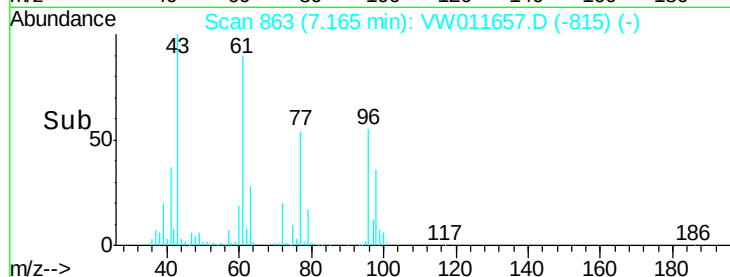
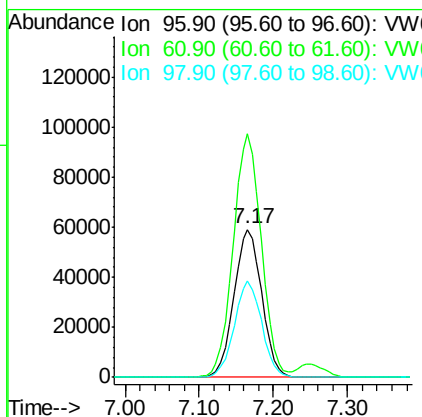
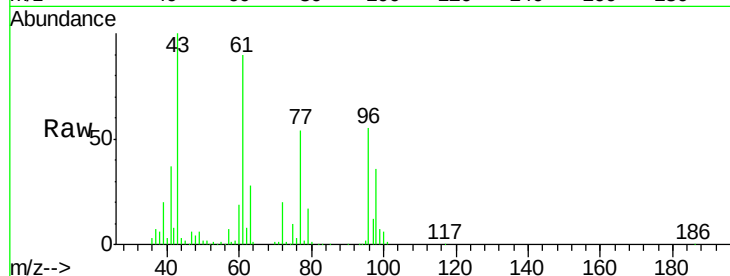


#27

cis-1,2-Dichloroethene
Concen: 49.869 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

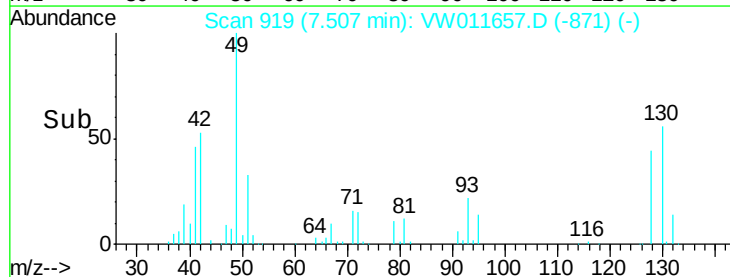
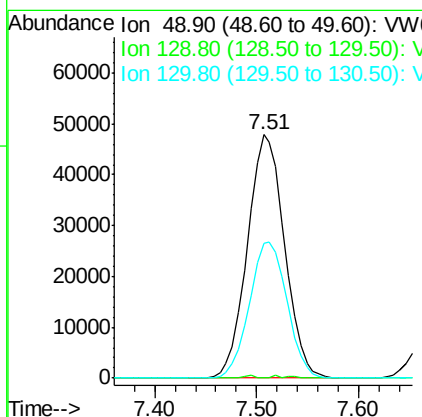
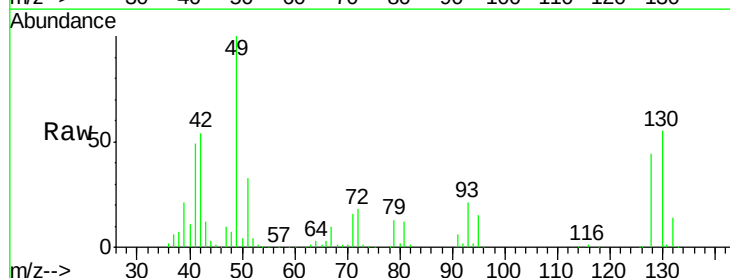
Tot Ion: 96 Resp: 154832
Ion Ratio Lower Upper
96 100
61 166.3 0.0 328.4
98 64.0 0.0 128.8

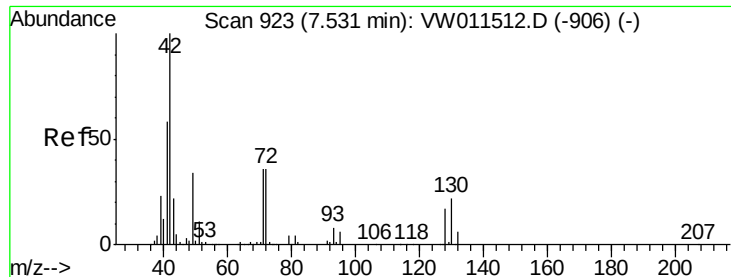


#28

Bromochloromethane
Concen: 48.571 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion: 49 Resp: 121151
Ion Ratio Lower Upper
49 100
129 0.4 0.0 1.0
130 56.8 46.3 69.5

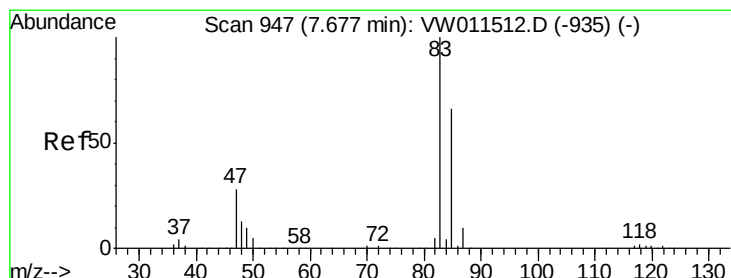
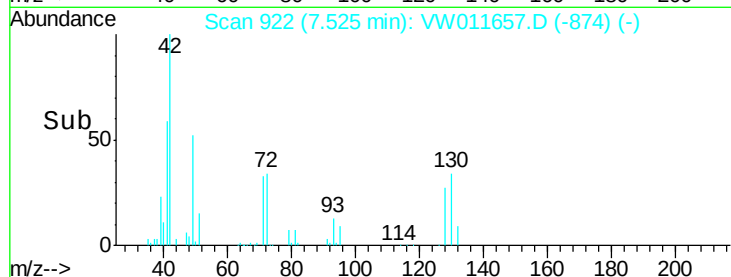
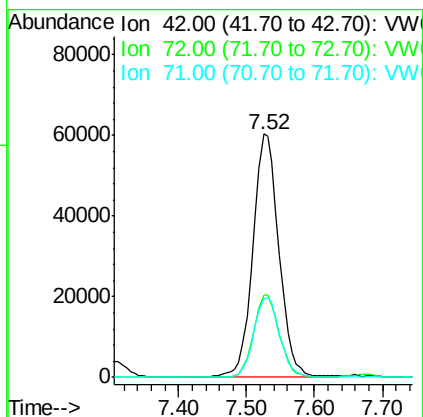
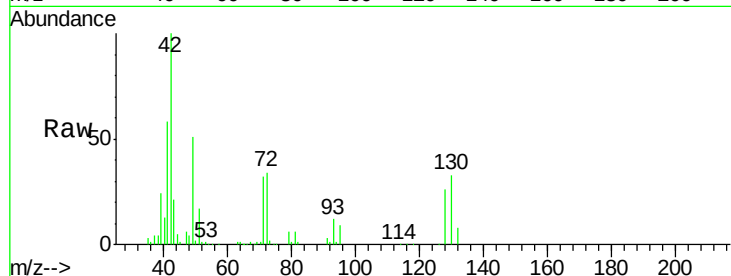




#29
Tetrahydrofuran
Concen: 234.474 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

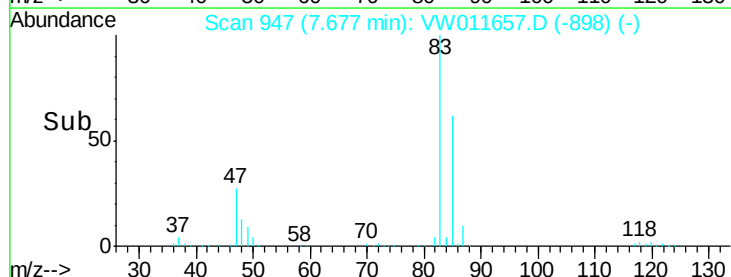
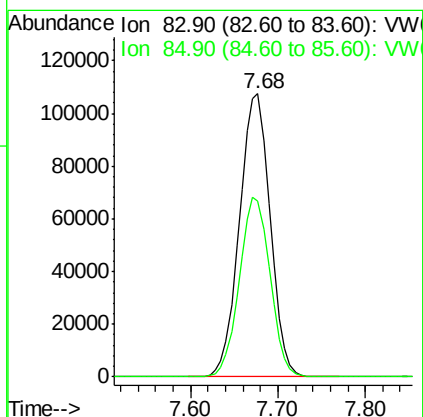
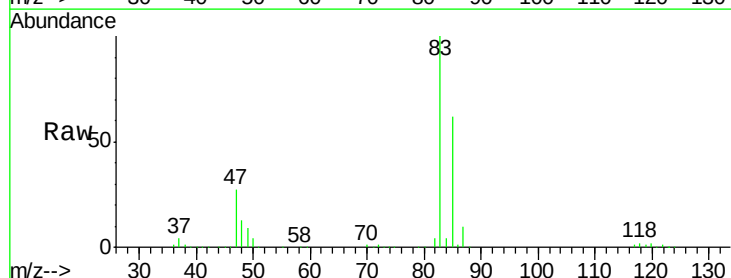
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

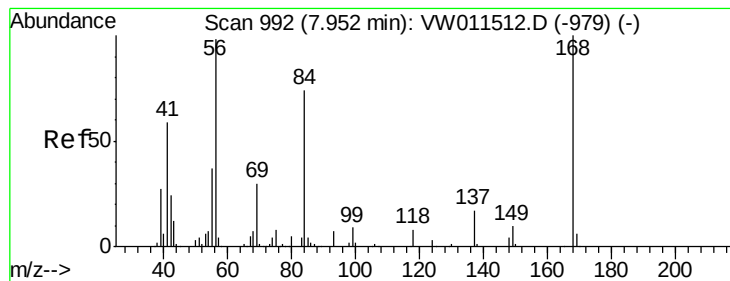
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.1	40.7
71	32.6	26.2	39.4



#30
Chloroform
Concen: 50.521 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.5	78.7





#31

Cyclohexane

Concen: 51.354 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

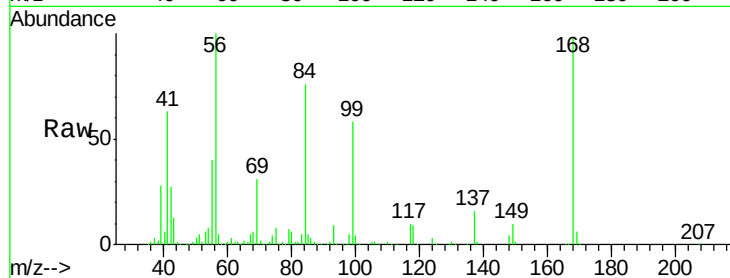
Tot Ion: 56 Resp: 277015

Ion Ratio Lower Upper

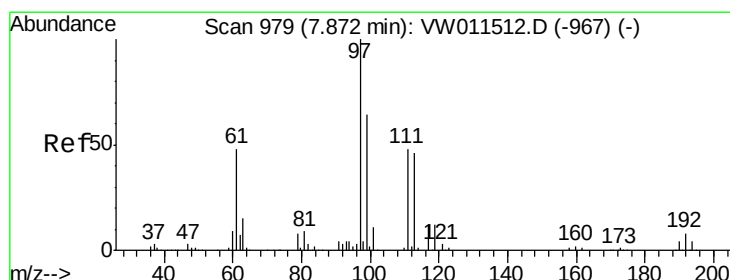
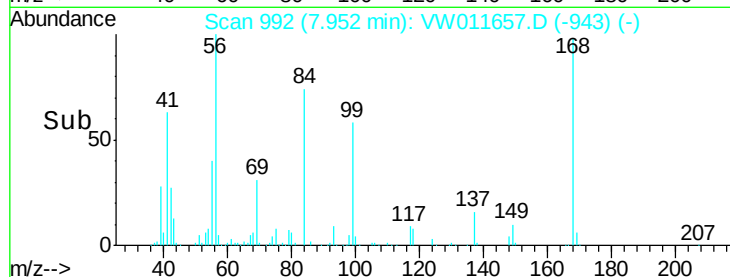
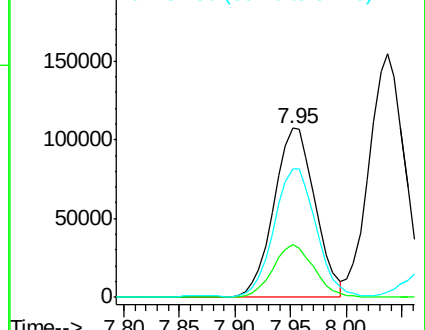
56 100

69 31.5 24.3 36.5

84 75.3 60.4 90.6



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: 53.780 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

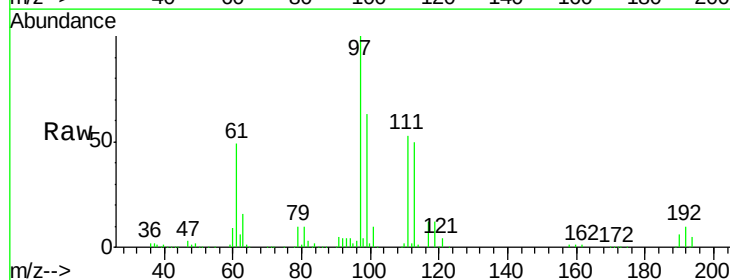
Tgt Ion: 97 Resp: 212338

Ion Ratio Lower Upper

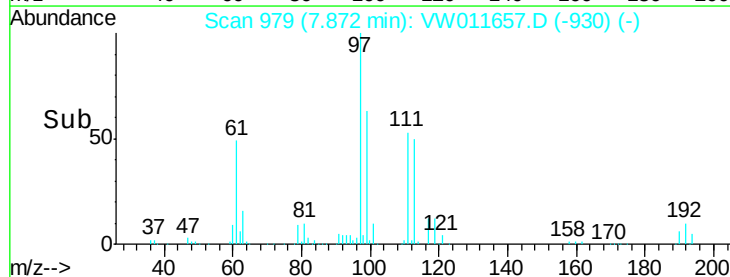
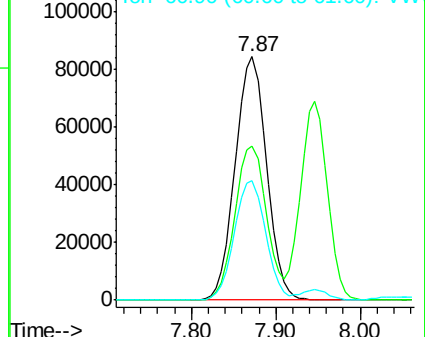
97 100

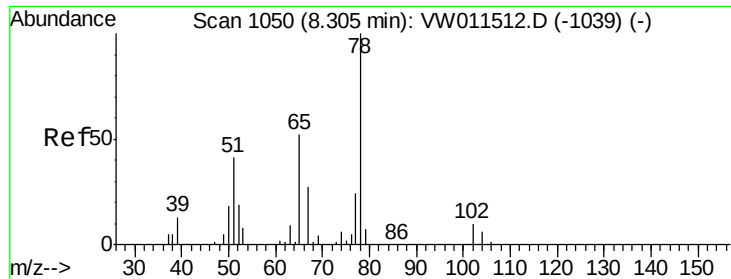
99 64.2 51.0 76.6

61 49.4 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

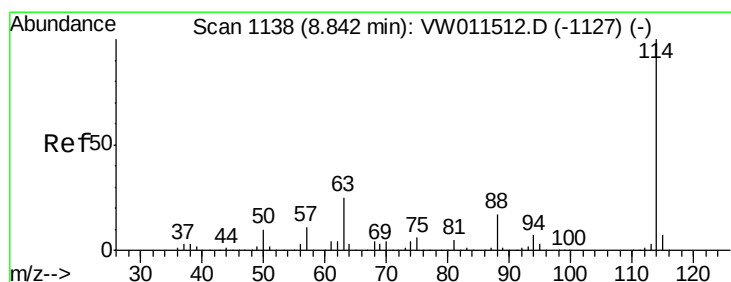
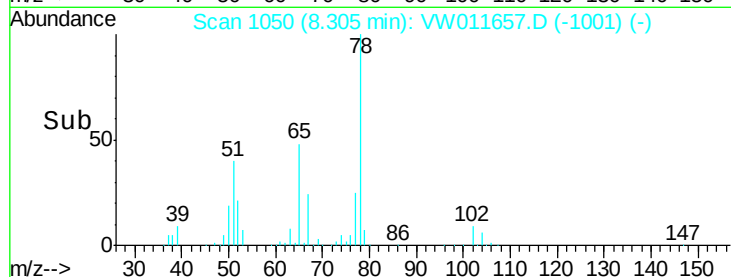
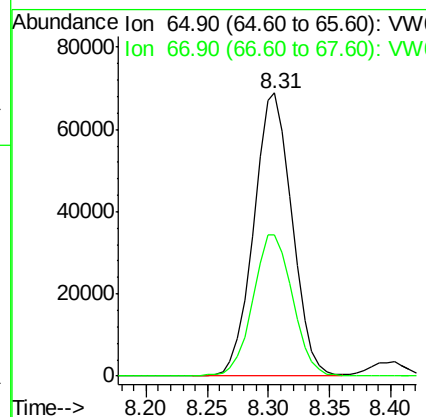
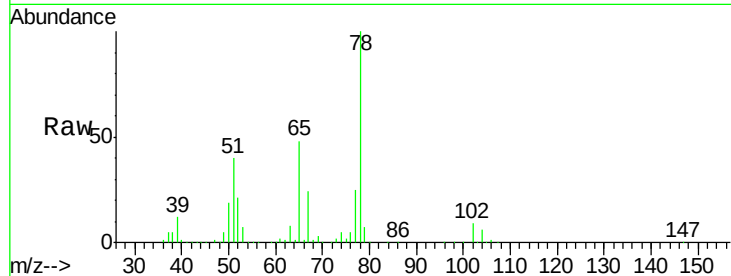




#33
 1,2-Dichloroethane-d4
 Concen: 52.017 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

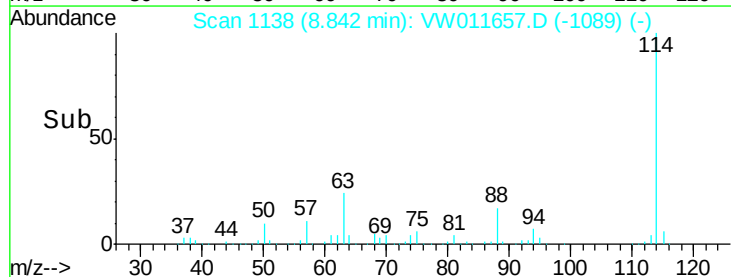
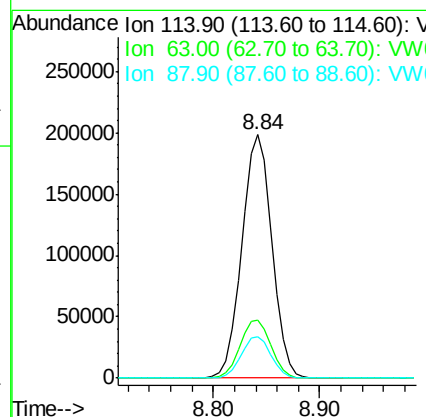
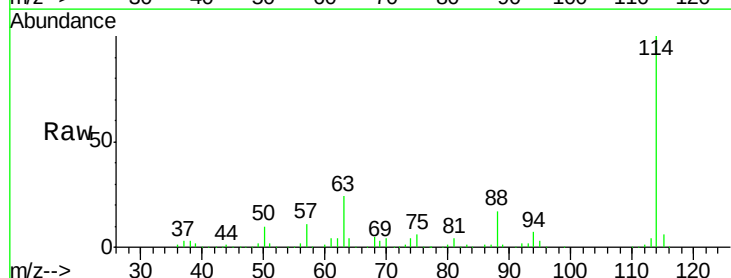
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

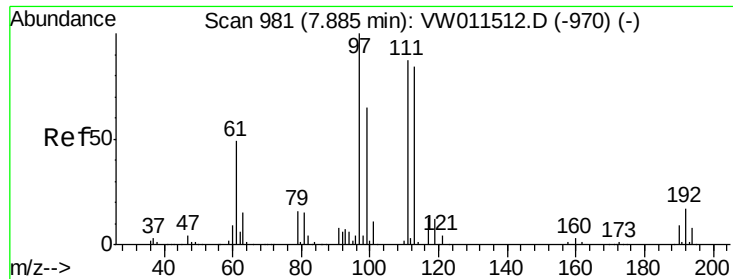
Tot Ion: 65 Resp: 150068
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 114 Resp: 393310
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 16.9 0.0 33.8





#35

Dibromofluoromethane

Concen: 55.457 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

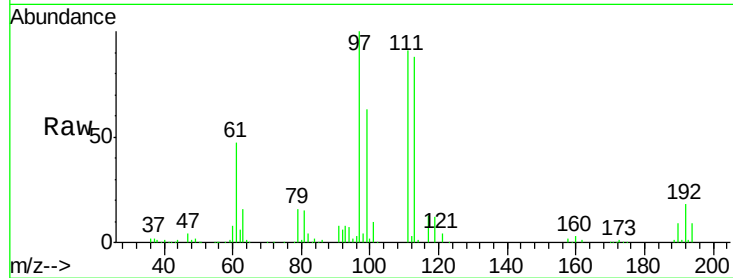
Tot Ion:113 Resp: 122367

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

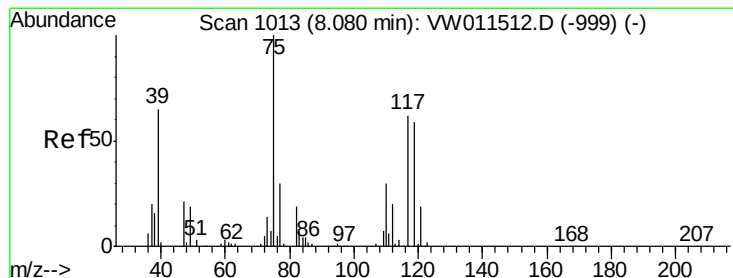
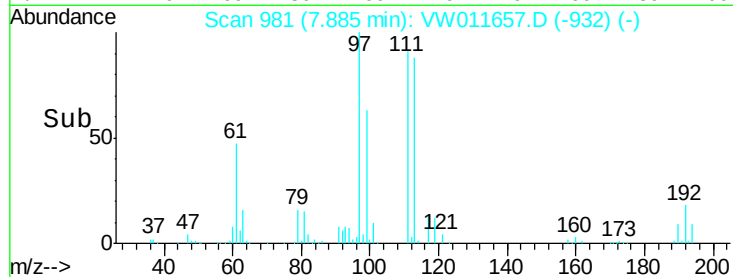
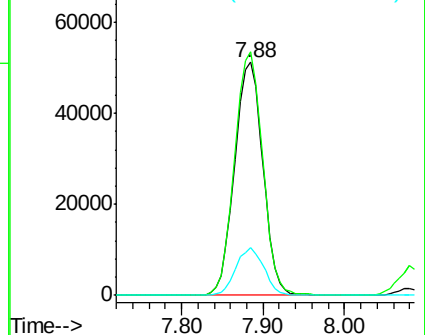
192 20.3 16.1 24.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 55.665 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

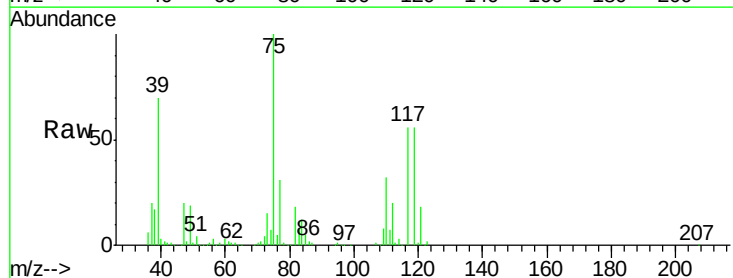
Tgt Ion: 75 Resp: 227652

Ion Ratio Lower Upper

75 100

110 31.1 15.6 46.8

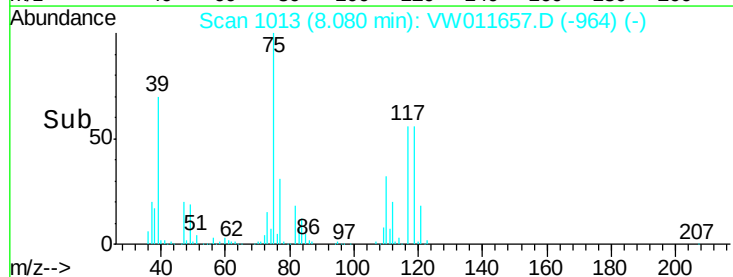
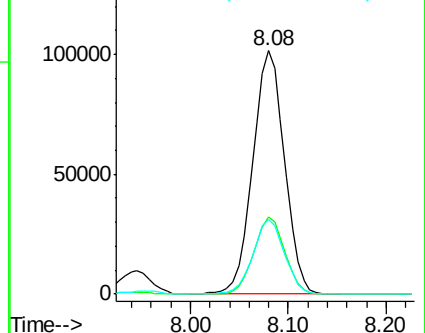
77 30.6 24.3 36.5

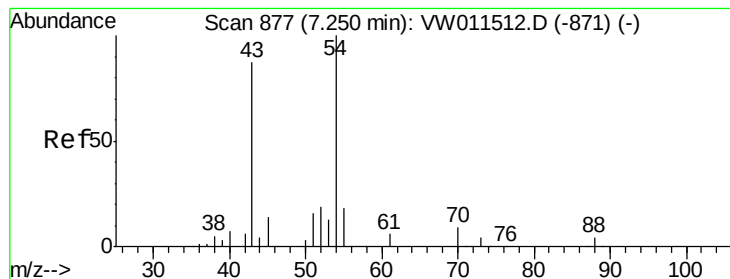


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 49.466 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

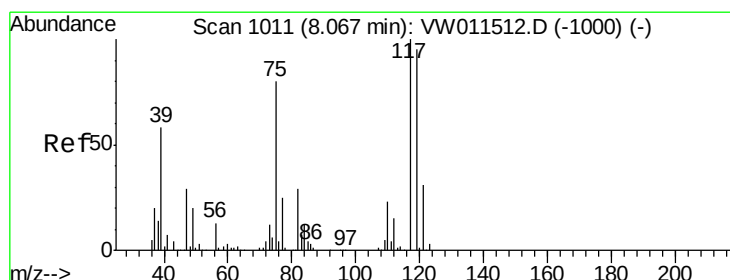
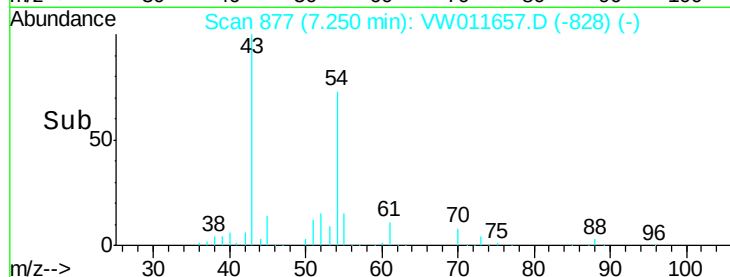
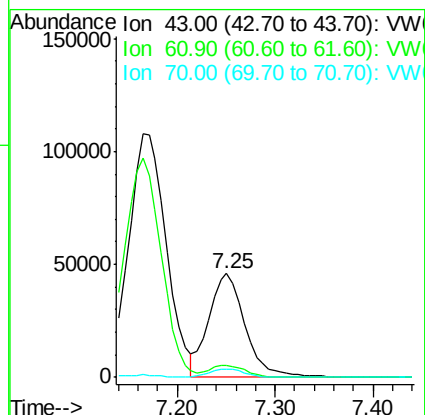
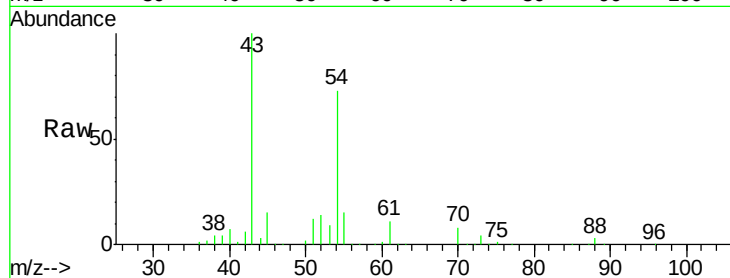
Tot Ion: 43 Resp: 116389

Ion Ratio Lower Upper

43 100

61 11.5 8.8 13.2

70 8.6 7.1 10.7



#38

Carbon Tetrachloride

Concen: 56.159 ug/l

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

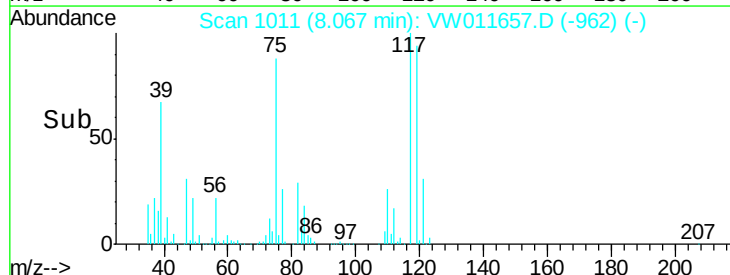
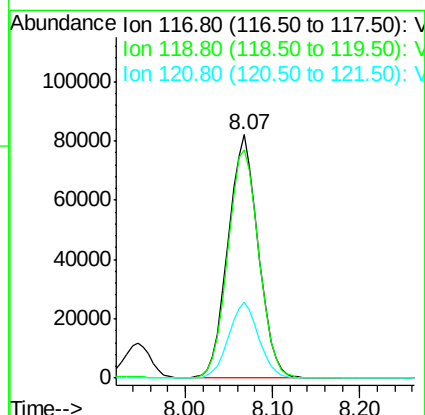
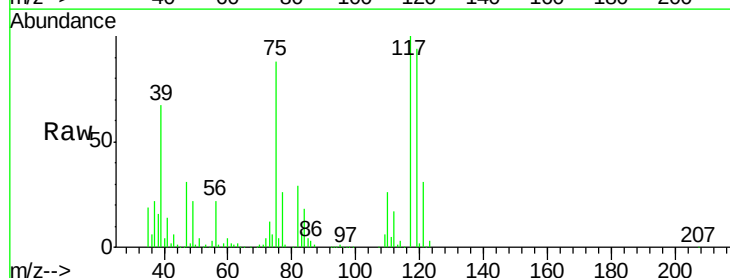
Tgt Ion: 117 Resp: 196615

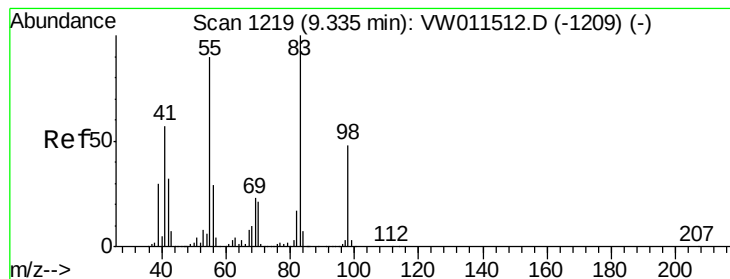
Ion Ratio Lower Upper

117 100

119 93.5 75.8 113.6

121 31.0 24.7 37.1





#39

Methylvlcyclohexane

Concen: 57.826 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

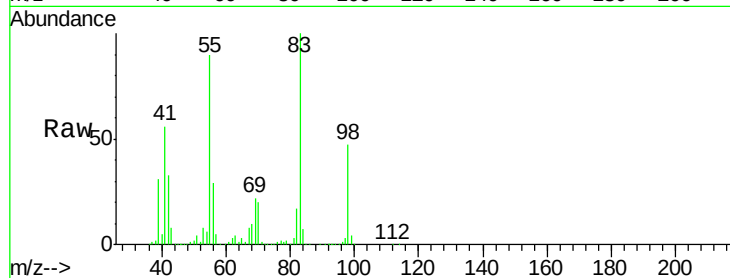
Tot Ion: 83 Resp: 260403

Ion Ratio Lower Upper

83 100

55 90.0 72.1 108.1

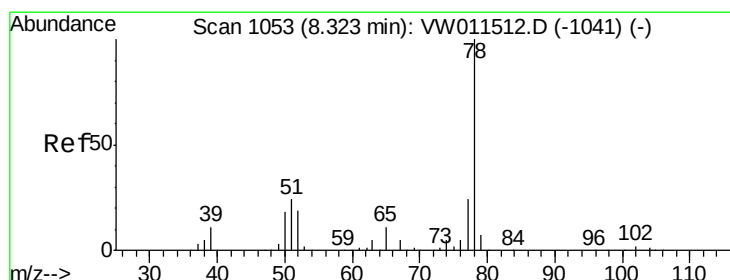
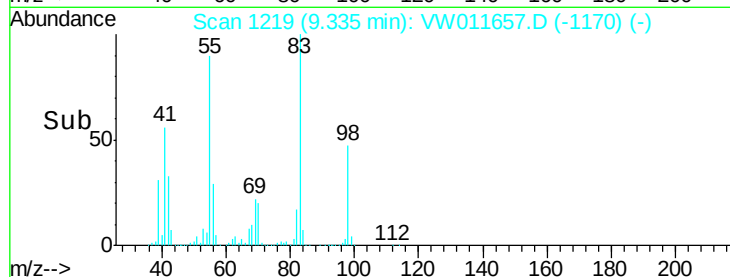
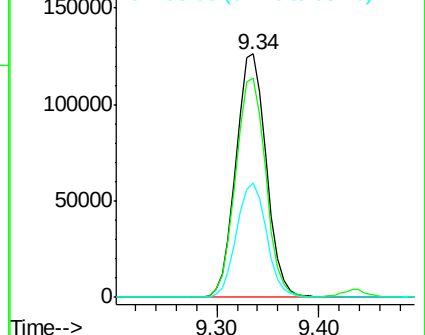
98 47.1 38.6 57.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 52.884 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW011657.D

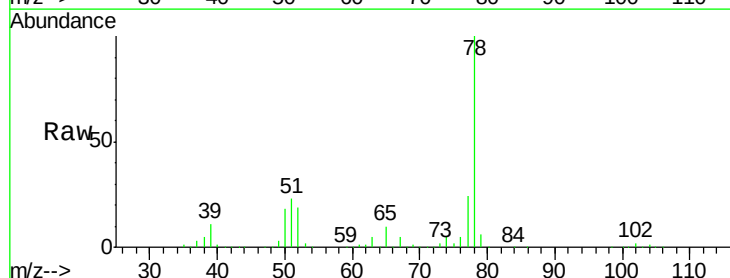
Acq: 03 Aug 2019 11:09

Tgt Ion: 78 Resp: 605810

Ion Ratio Lower Upper

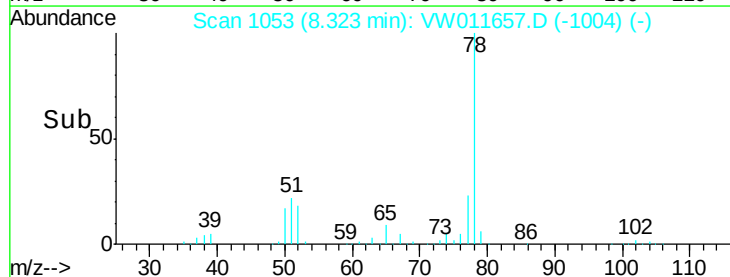
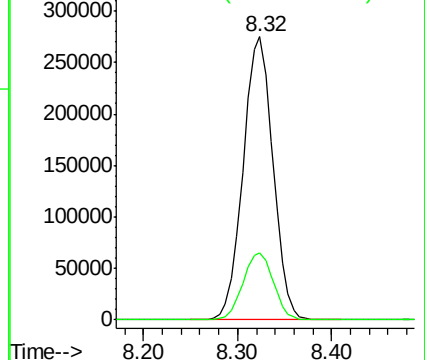
78 100

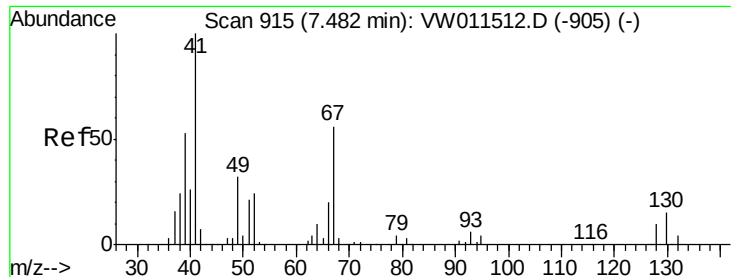
77 23.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 49.710 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 69918

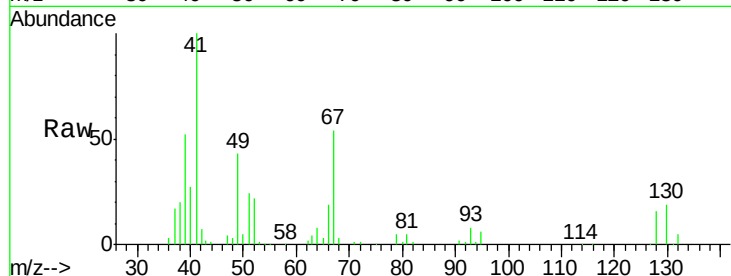
Ion Ratio Lower Upper

41 100

39 59.3 43.0 64.4

67 57.8 47.5 71.3

52 25.9 21.0 31.6

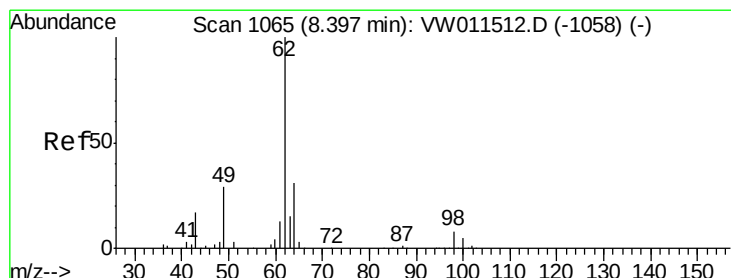
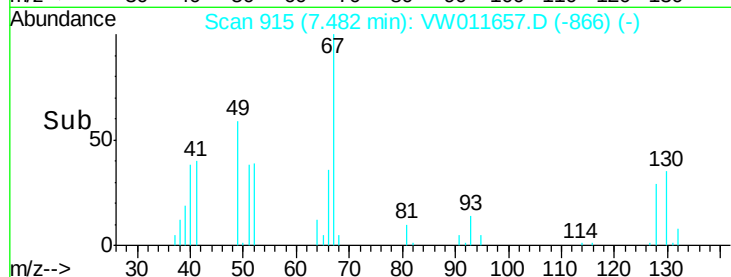
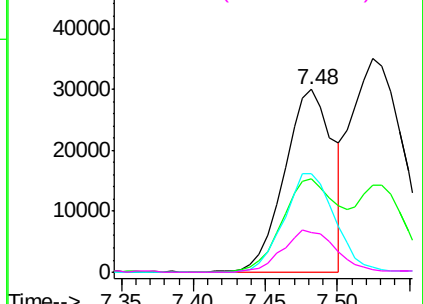


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 51.219 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW011657.D

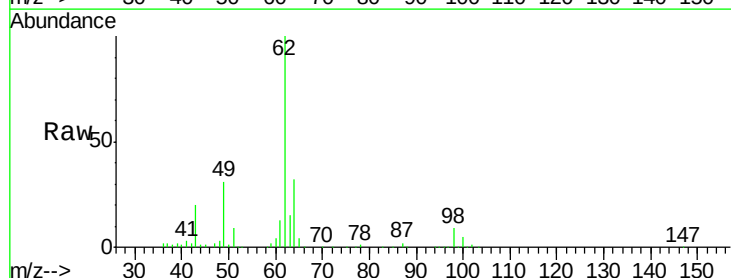
Acq: 03 Aug 2019 11:09

Tgt Ion: 62 Resp: 183700

Ion Ratio Lower Upper

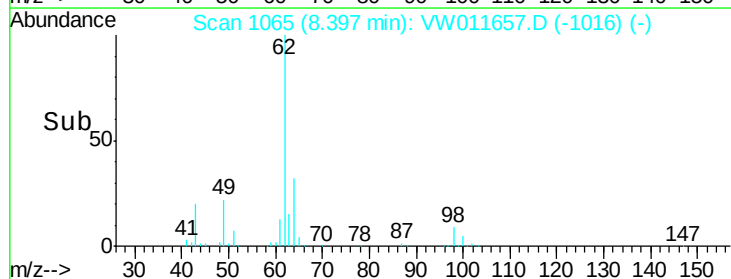
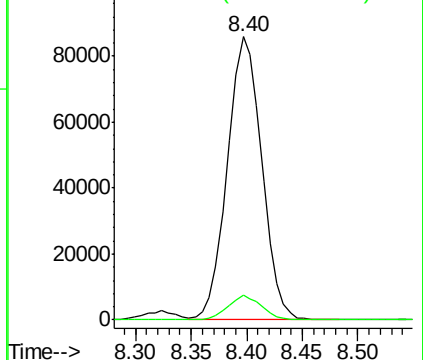
62 100

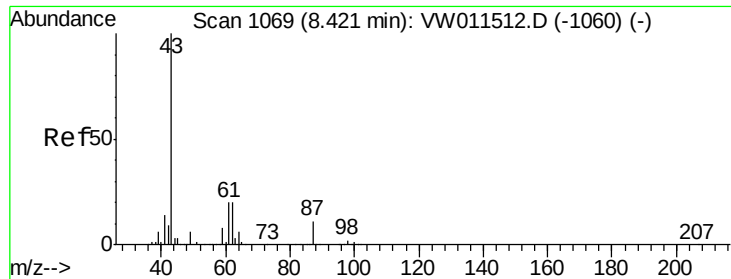
98 8.4 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.725 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

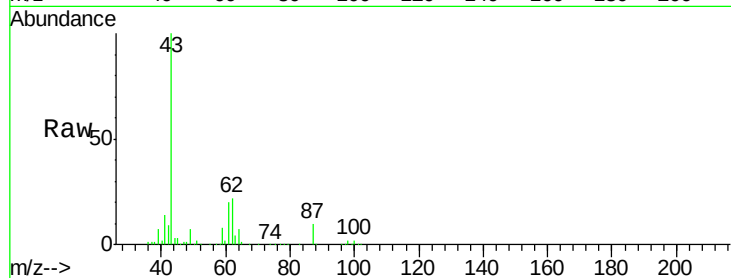
Tot Ion: 43 Resp: 219497

Ion Ratio Lower Upper

43 100

61 26.6 21.5 32.3

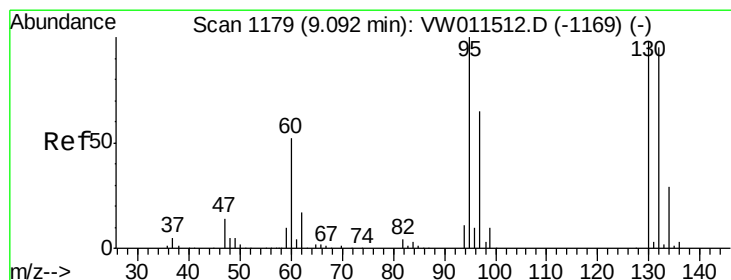
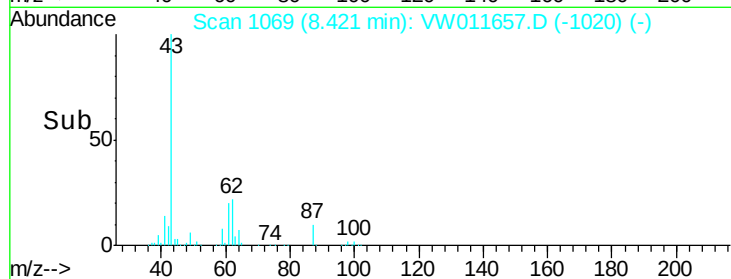
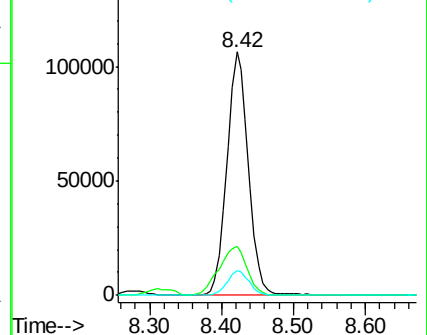
87 10.2 8.4 12.6



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: 54.060 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW011657.D

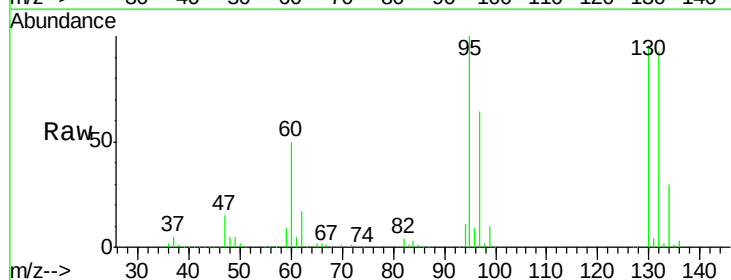
Acq: 03 Aug 2019 11:09

Tgt Ion: 130 Resp: 148843

Ion Ratio Lower Upper

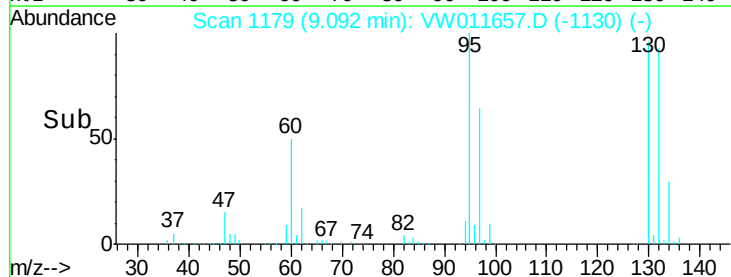
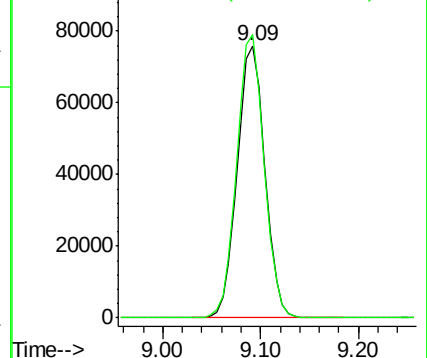
130 100

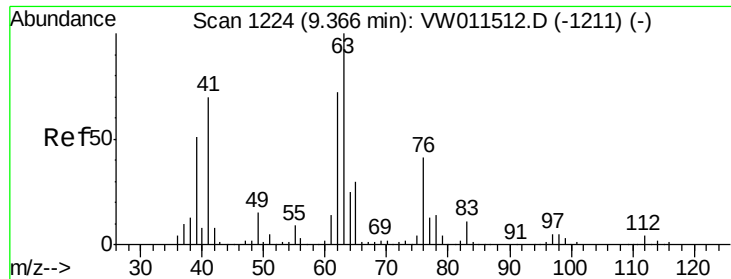
95 104.1 0.0 204.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

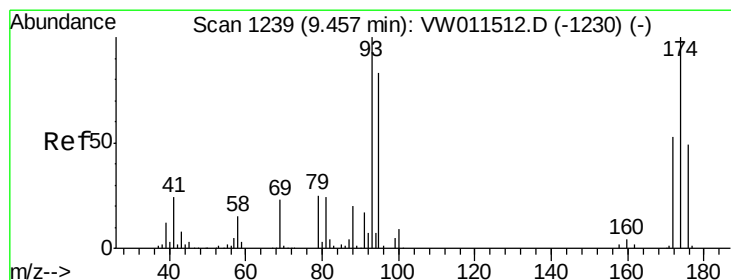
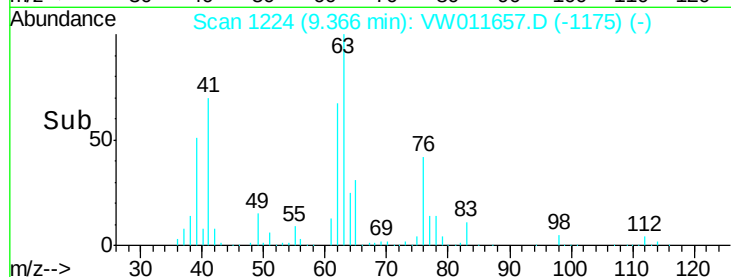
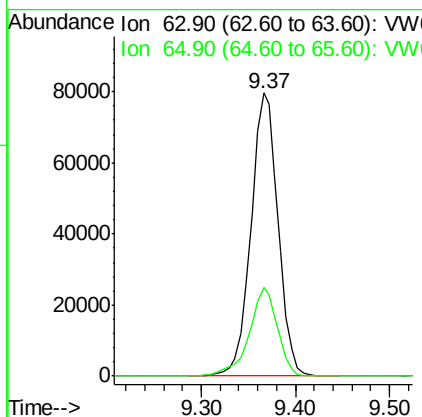
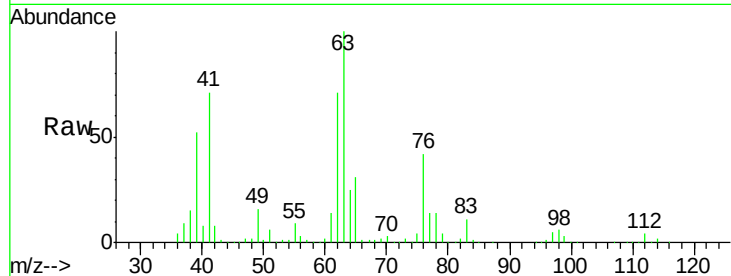




#45
 1,2-Dichloropropane
 Concen: 52.439 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

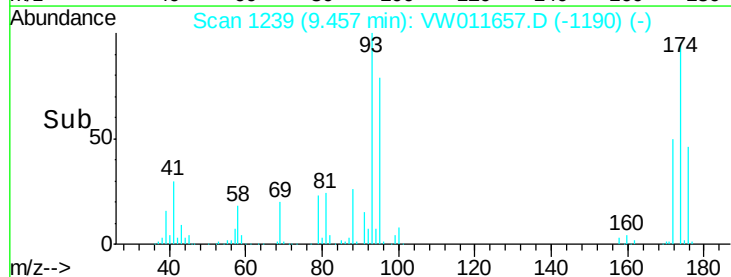
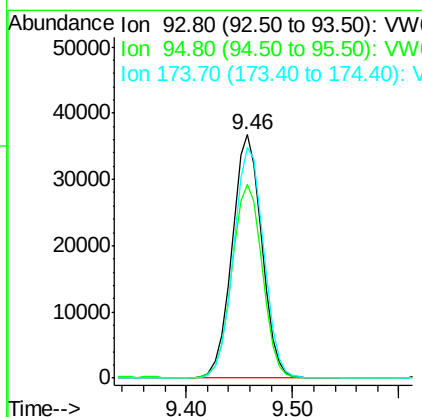
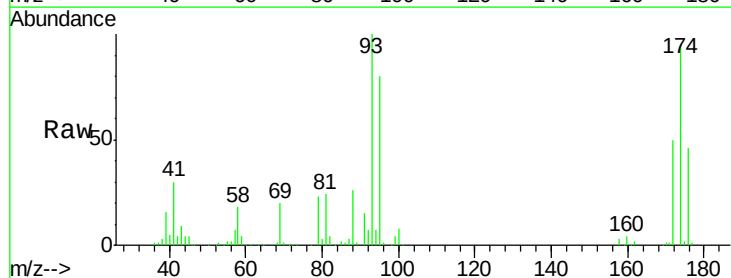
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

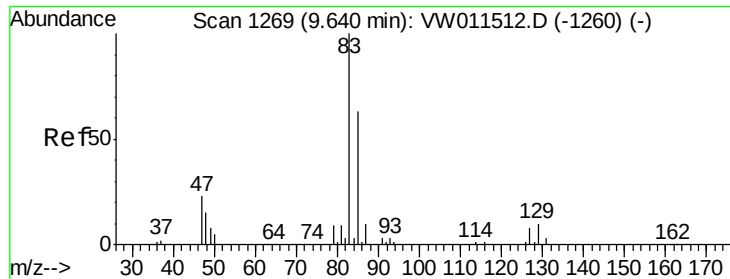
Tot Ion: 63 Resp: 160730
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.2 36.4



#46
 Dibromomethane
 Concen: 51.462 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 93 Resp: 71994
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.2 99.2
 174 96.5 78.2 117.4

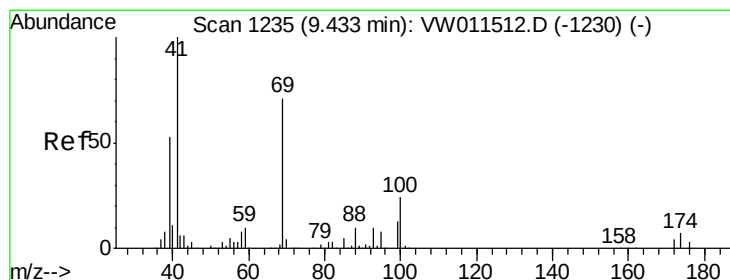
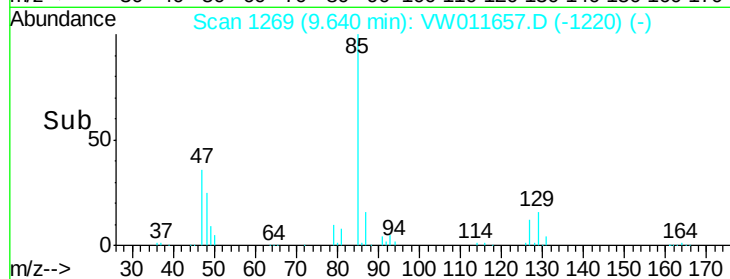
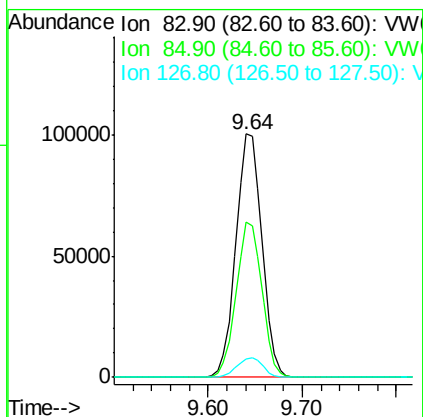
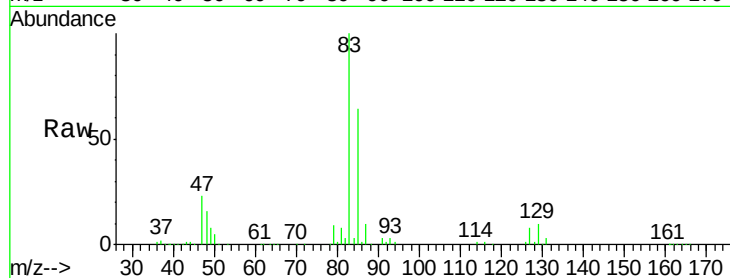




#47
Bromodichloromethane
Concen: 52.620 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

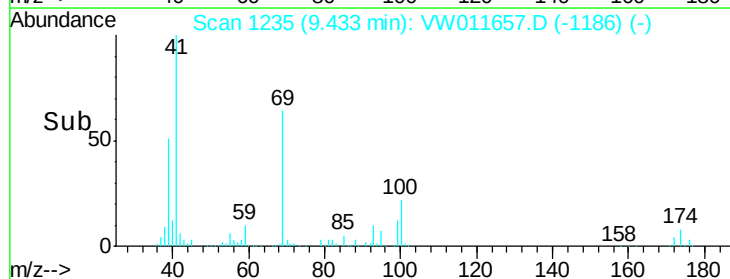
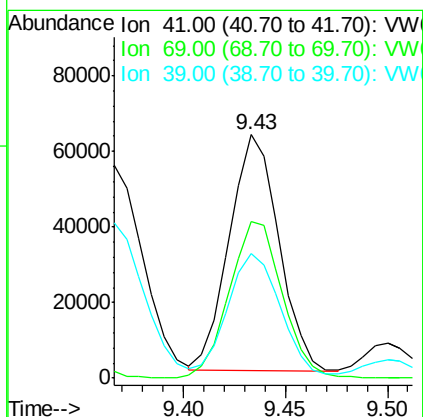
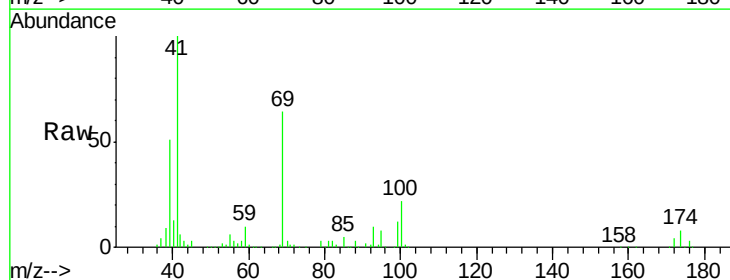
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

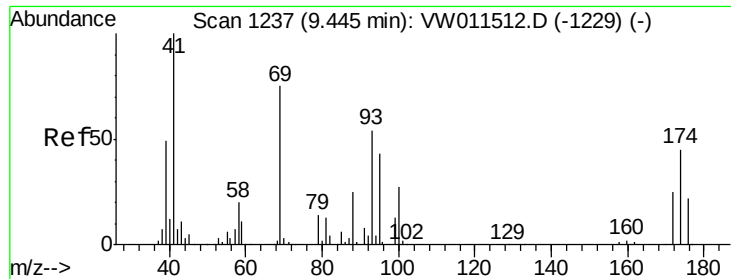
Tot Ion	83	Resp	193100
Ion Ratio	100		
85	63.6	50.5	75.7
127	7.8	6.4	9.6



#48
Methyl methacrylate
Concen: 50.632 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion	41	Resp	105244
Ion Ratio	100		
69	71.3	57.1	85.7
39	53.0	45.4	68.2





#49

1,4-Dioxane

Concen: 974.366 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

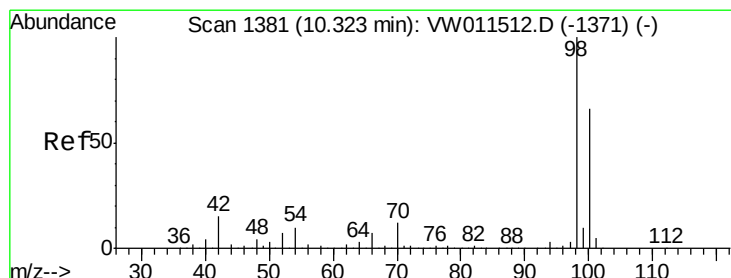
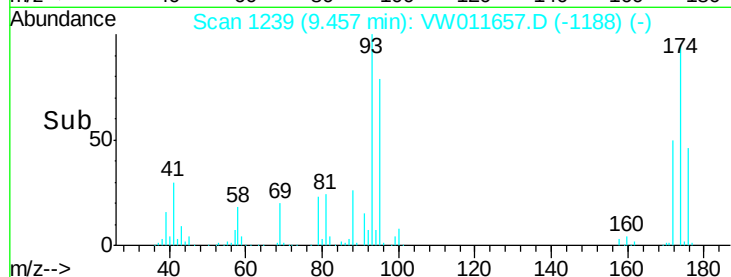
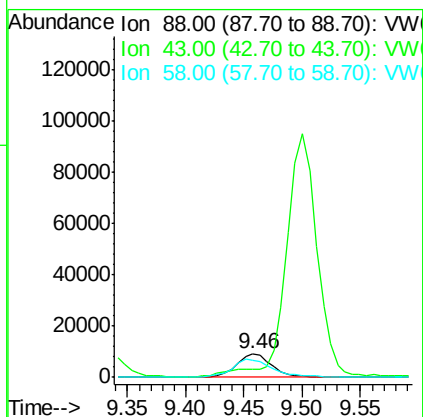
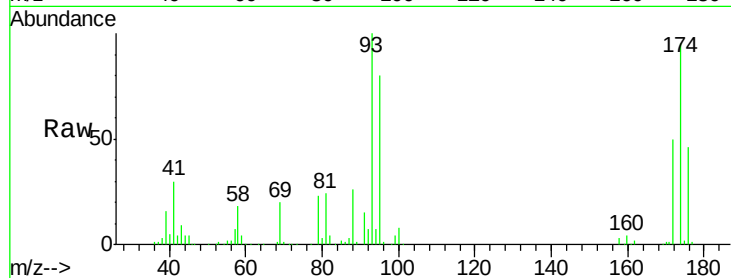
Tot Ion: 88 Resp: 19737

Ion Ratio Lower Upper

88 100

43 0.0 34.0 51.0#

58 86.6 69.7 104.5



#50

Toluene-d8

Concen: 56.666 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011657.D

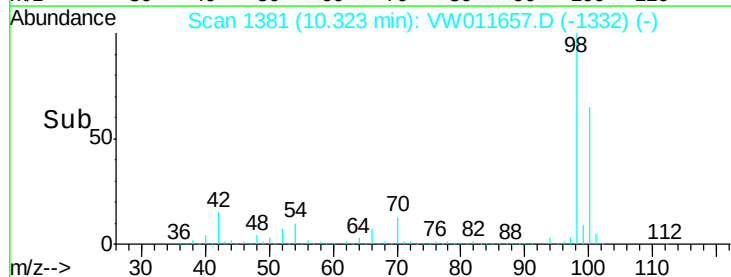
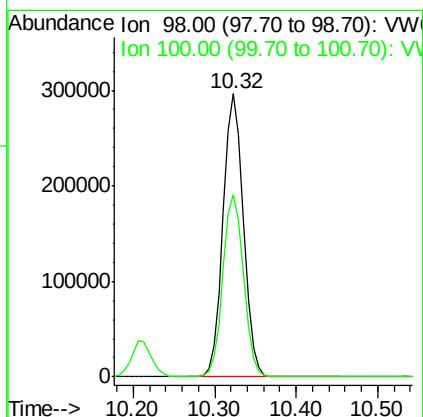
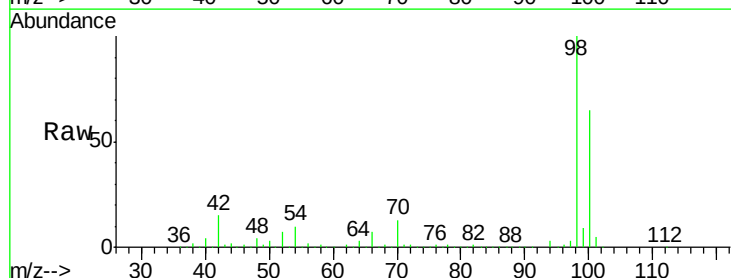
Acq: 03 Aug 2019 11:09

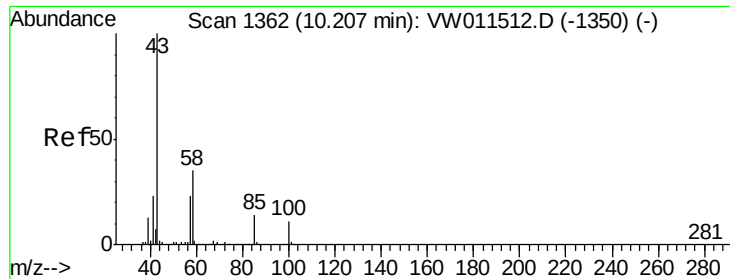
Tgt Ion: 98 Resp: 511937

Ion Ratio Lower Upper

98 100

100 65.1 52.7 79.1

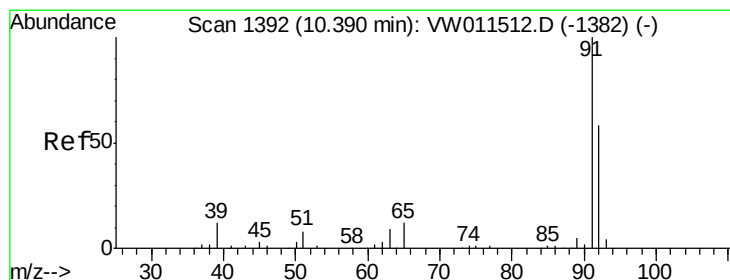
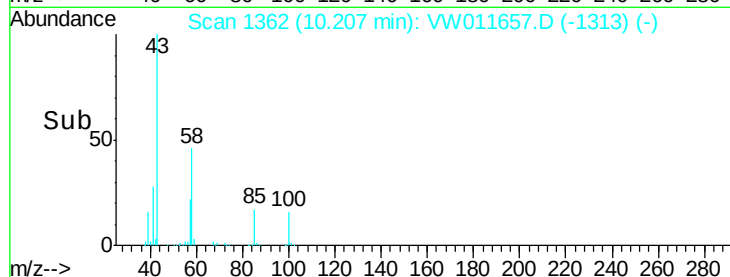
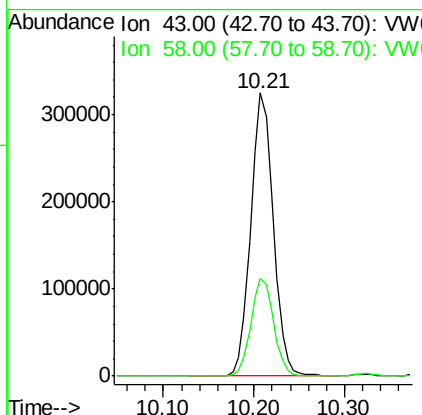
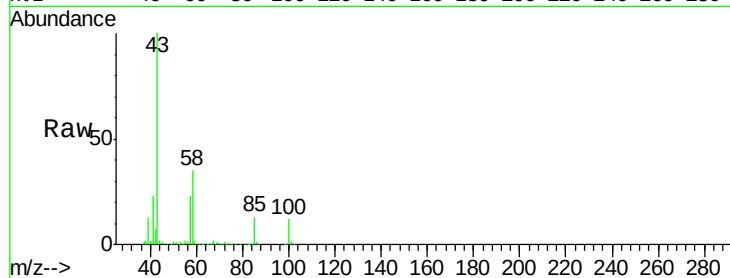




#51
 4-Methyl-2-Pentanone
 Concen: 248.759 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

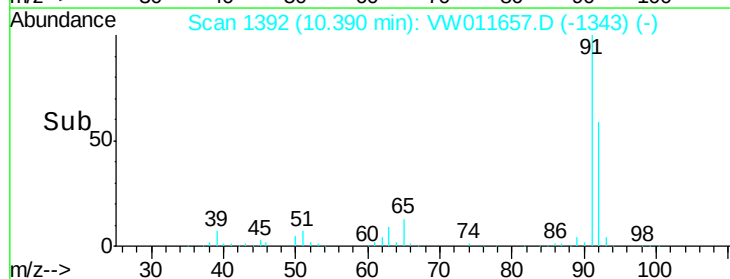
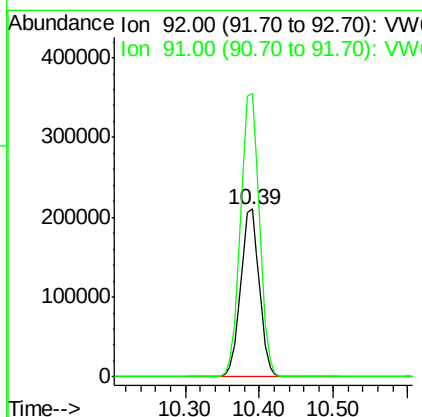
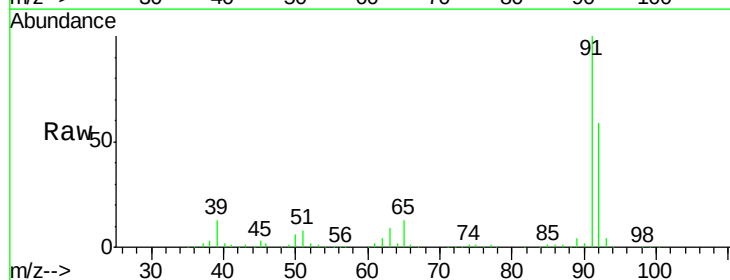
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

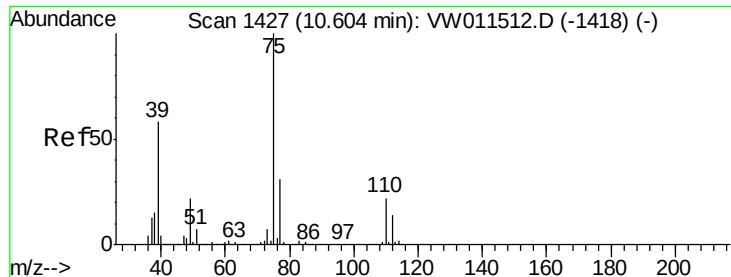
Tot Ion: 43 Resp: 559904
 Ion Ratio Lower Upper
 43 100
 58 34.8 28.2 42.2



#52
 Toluene
 Concen: 53.579 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 92 Resp: 370656
 Ion Ratio Lower Upper
 92 100
 91 172.0 136.7 205.1

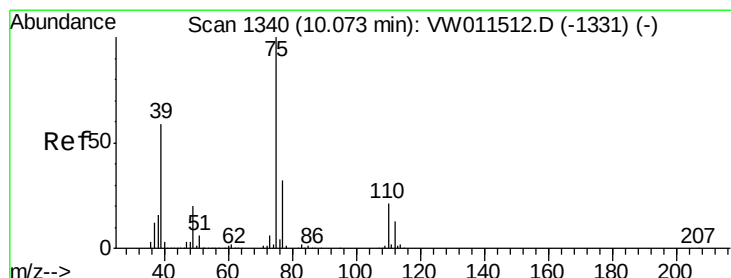
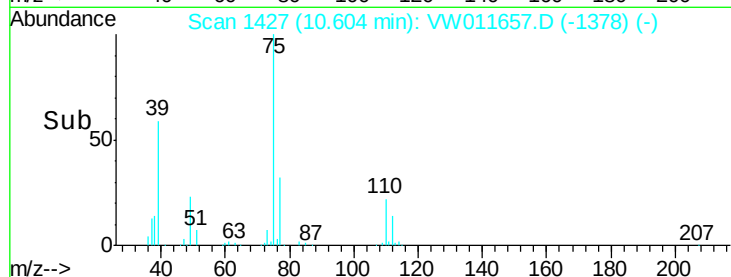
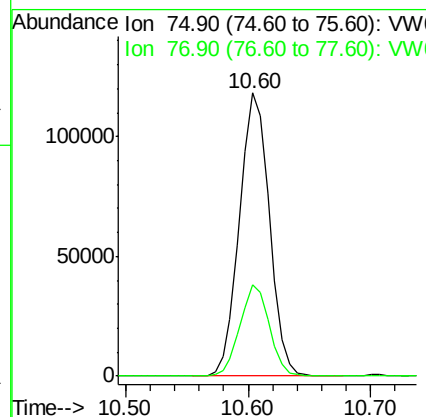
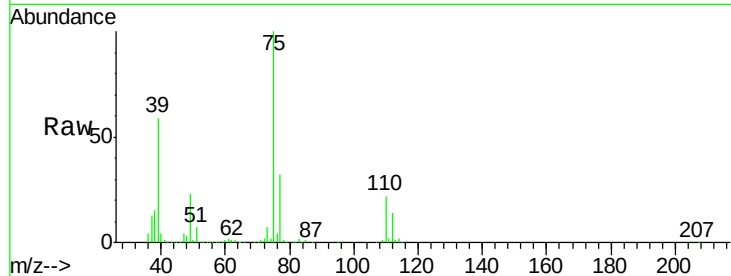




#53
 t-1,3-Dichloropropene
 Concen: 52.328 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

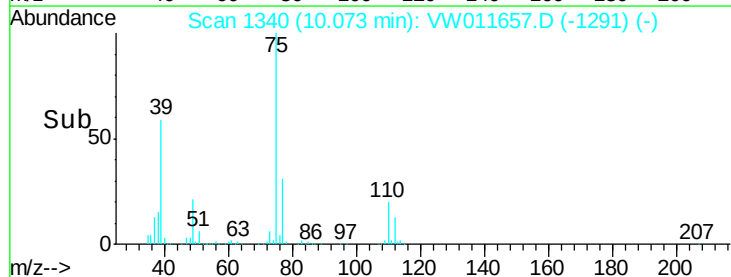
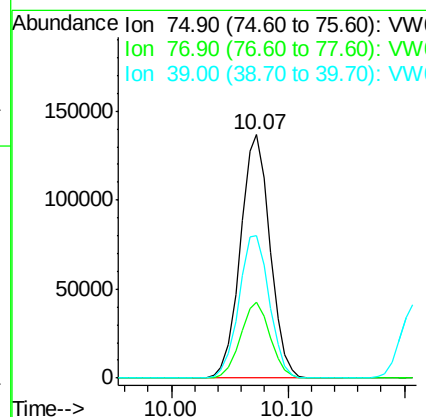
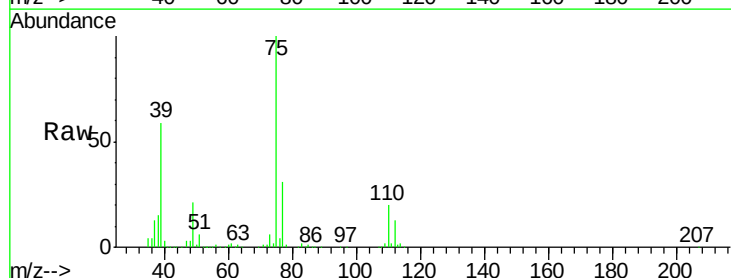
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

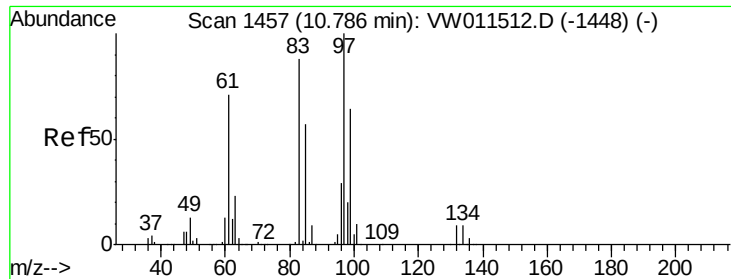
Tot Ion: 75 Resp: 200593
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.0 37.4



#54
 cis-1,3-Dichloropropene
 Concen: 53.281 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 75 Resp: 242849
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.6 38.4
 39 58.7 47.0 70.4

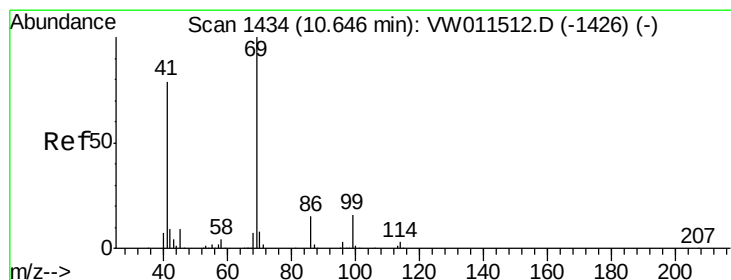
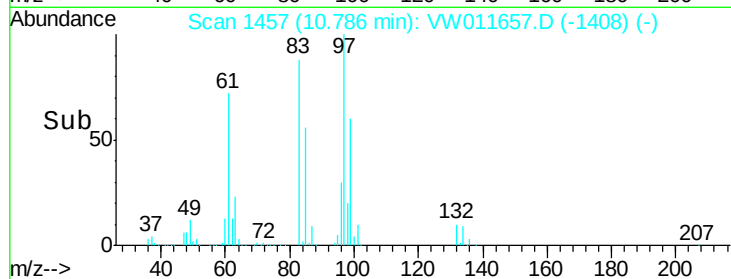
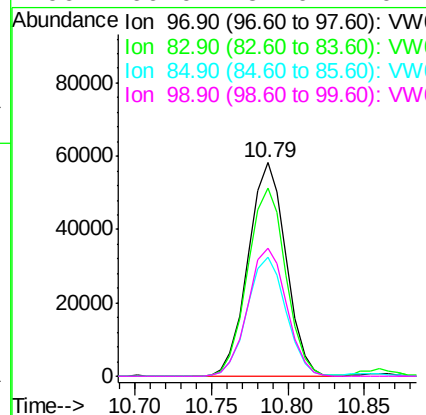
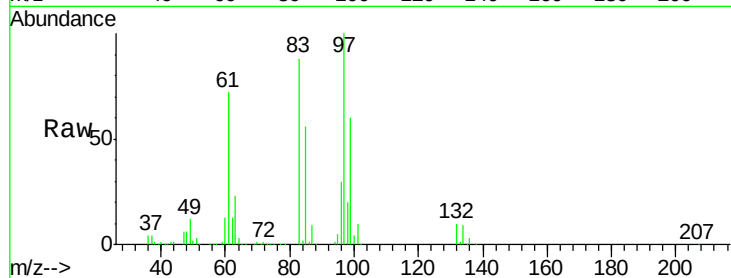




#55
 1,1,2-Trichloroethane
 Concen: 50.524 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

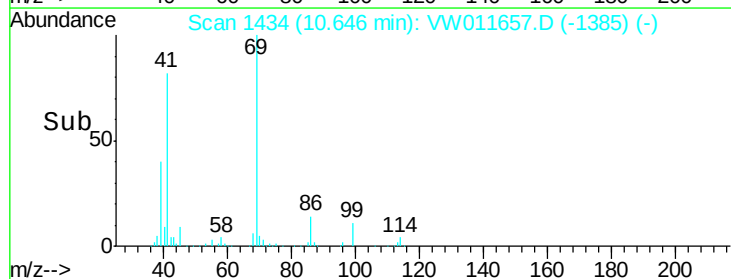
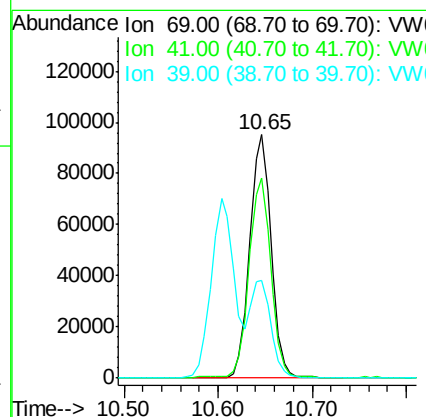
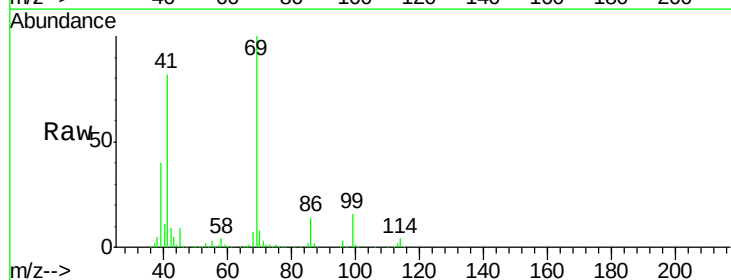
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

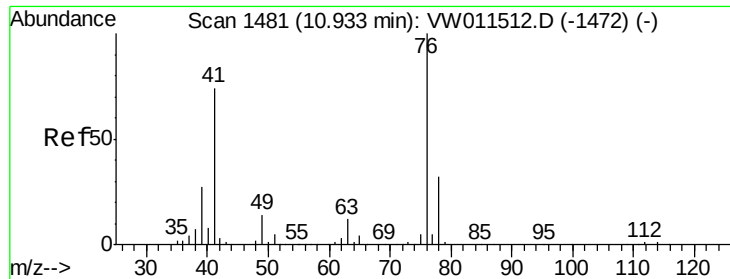
Tot Ion:	97	Resp:	100287
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.5	105.7
85	55.9	45.8	68.6
99	60.0	51.0	76.4



#56
 Ethyl methacrylate
 Concen: 52.181 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion:	69	Resp:	151564
Ion	Ratio	Lower	Upper
69	100		
41	83.0	66.6	99.8
39	38.2	30.3	45.5

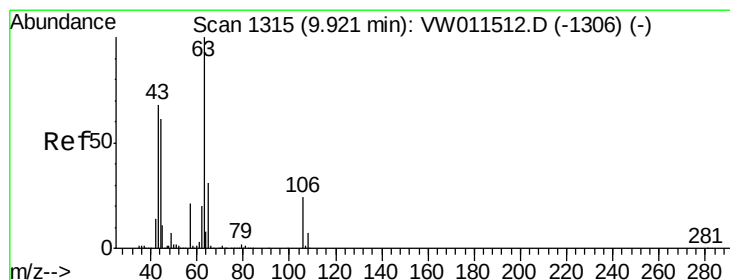
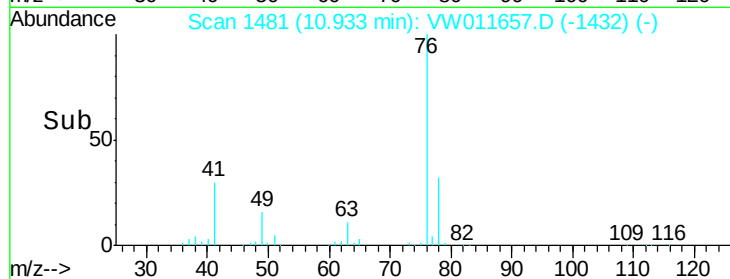
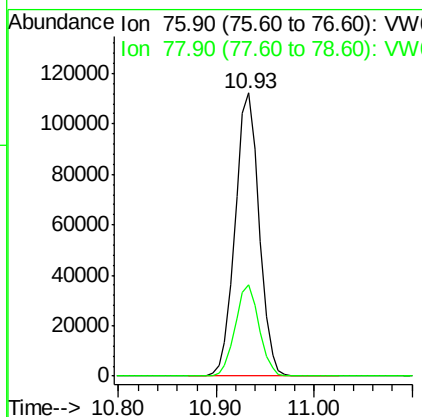
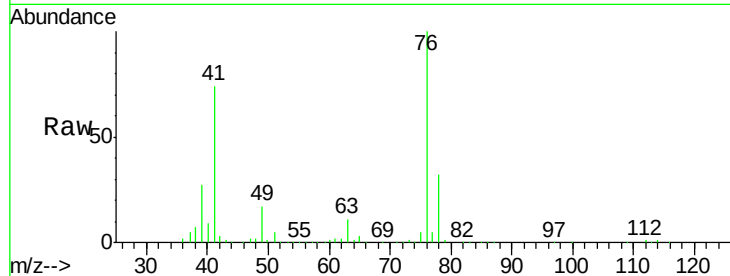




#57
 1,3-Dichloropropane
 Concen: 50.929 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

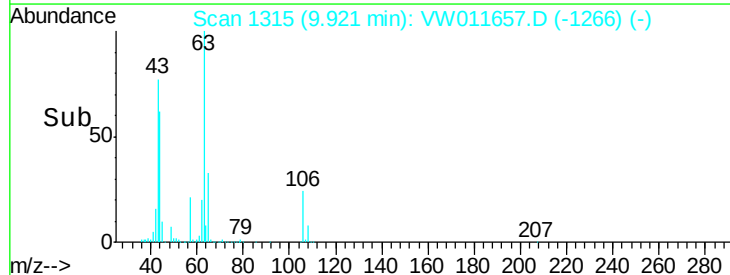
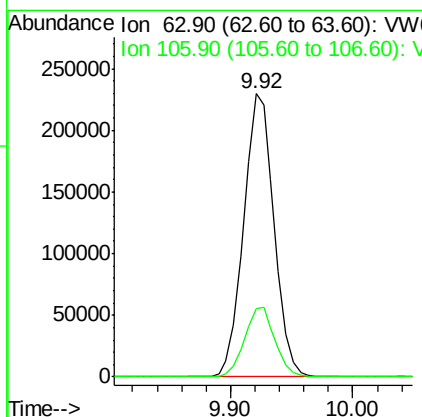
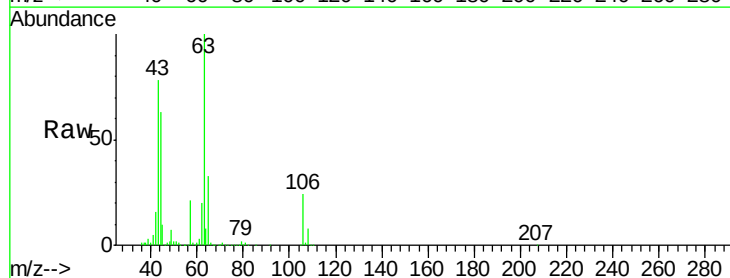
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

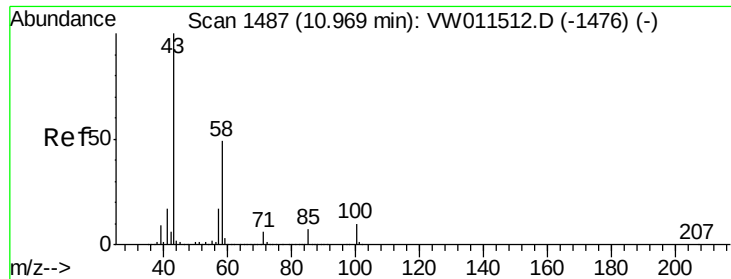
Tot Ion: 76 Resp: 191253
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 299.623 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion: 63 Resp: 395143
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.7 29.5

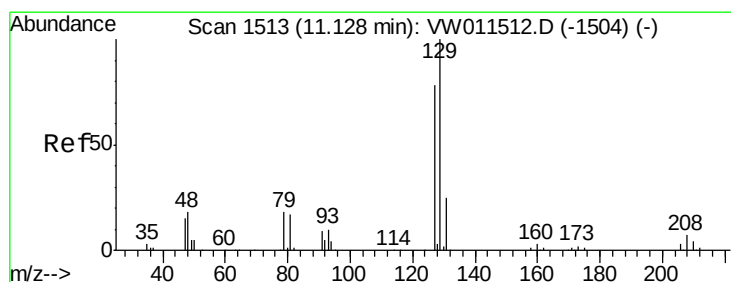
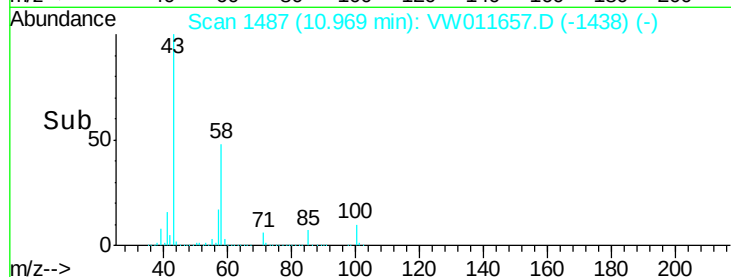
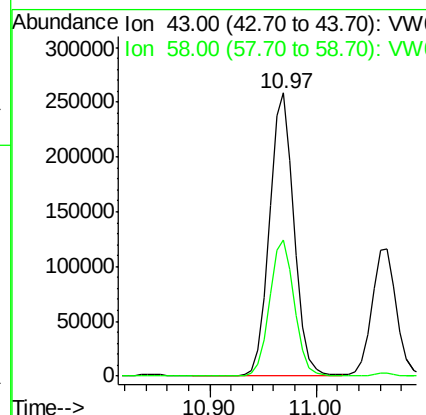
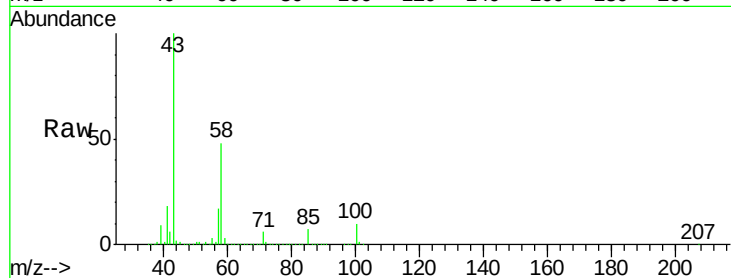




#59
2-Hexanone
Concen: 261.024 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

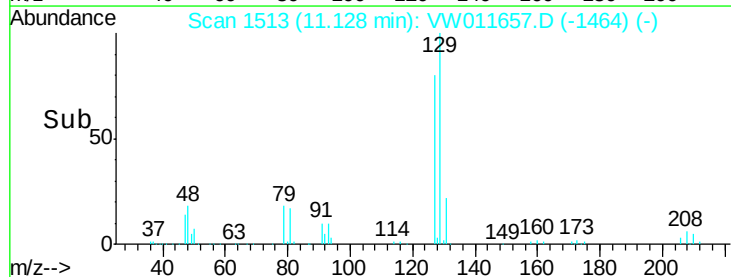
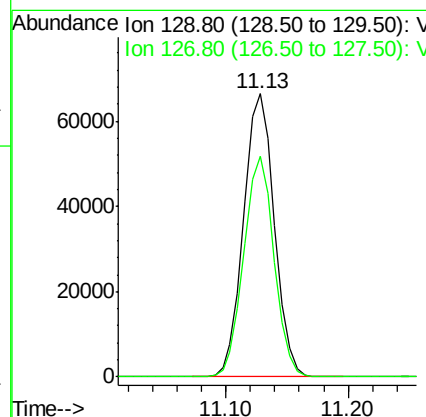
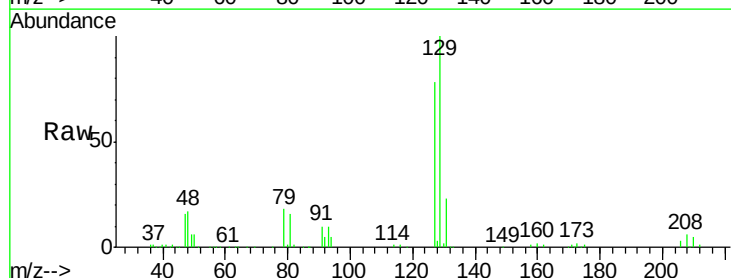
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

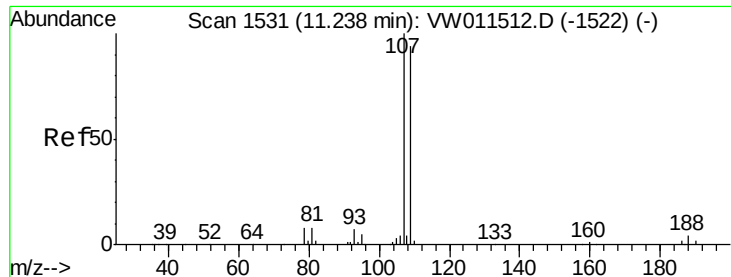
Tot Ion: 43 Resp: 414819
Ion Ratio Lower Upper
43 100
58 48.6 24.3 72.9



#60
Dibromochloromethane
Concen: 52.556 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion: 129 Resp: 115798
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 49.570 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

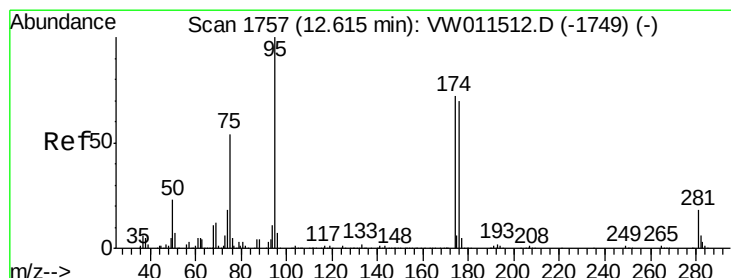
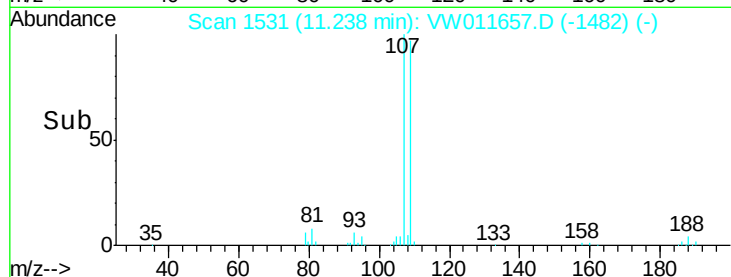
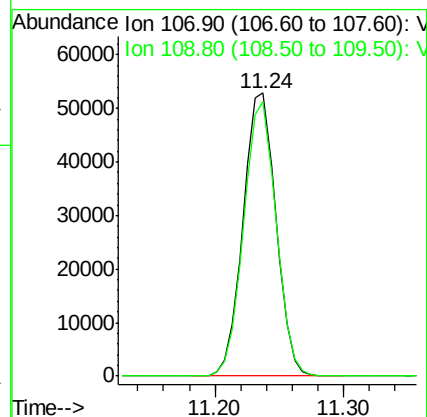
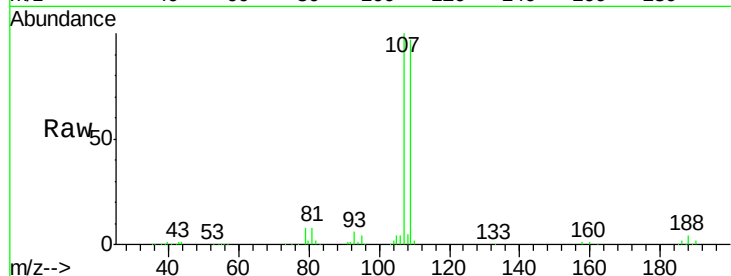
VSTDCCC050

Tot Ion: 107 Resp: 93113

Ion Ratio Lower Upper

107 100

109 95.9 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 54.642 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

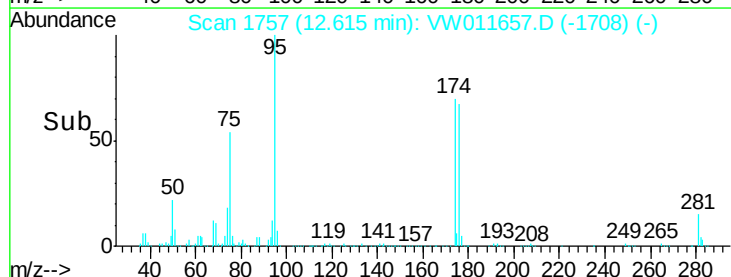
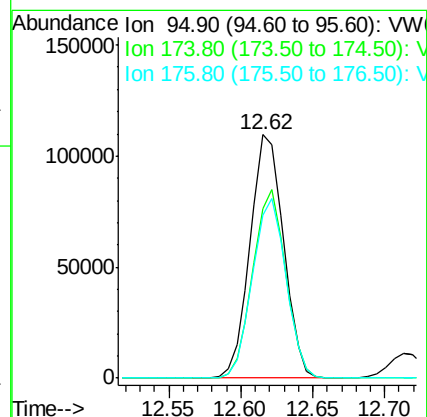
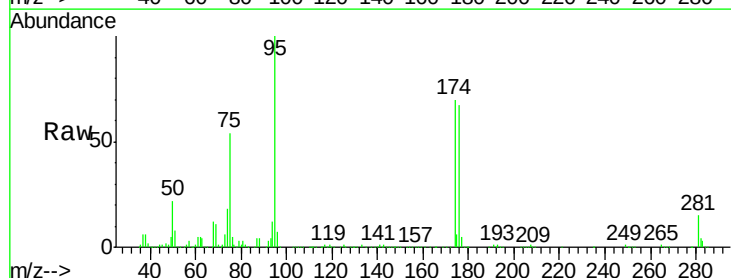
Tgt Ion: 95 Resp: 175994

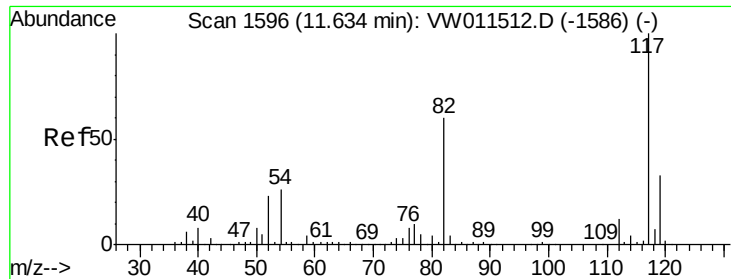
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.2

176 73.9 0.0 144.4

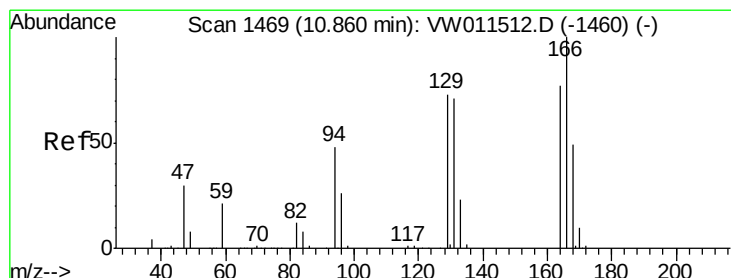
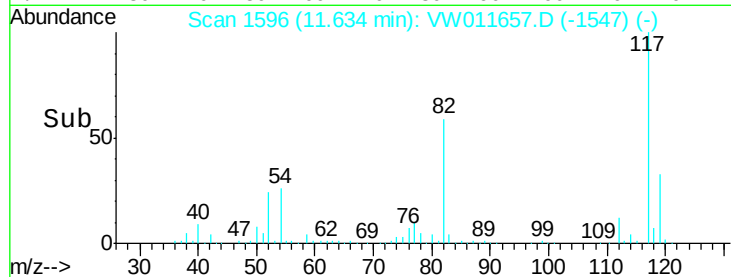
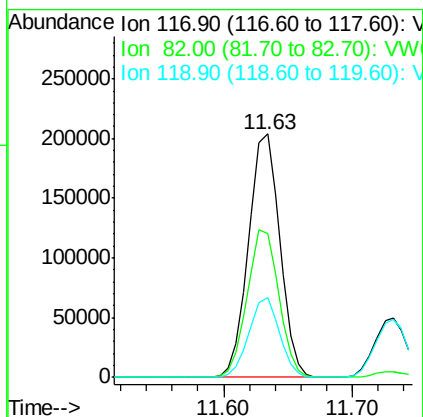
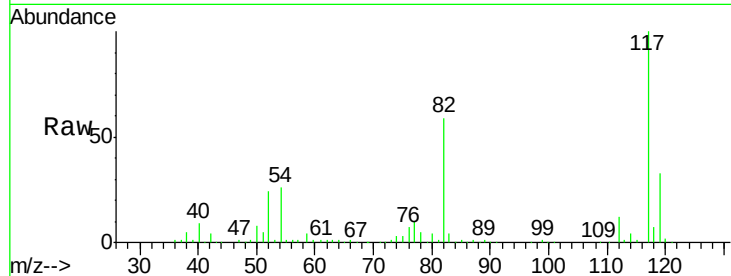




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

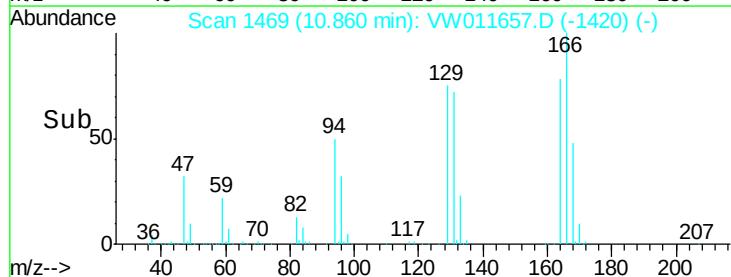
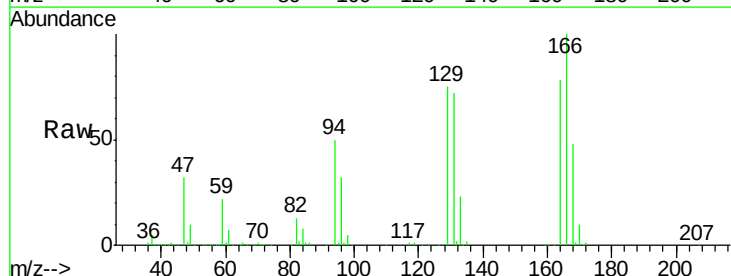
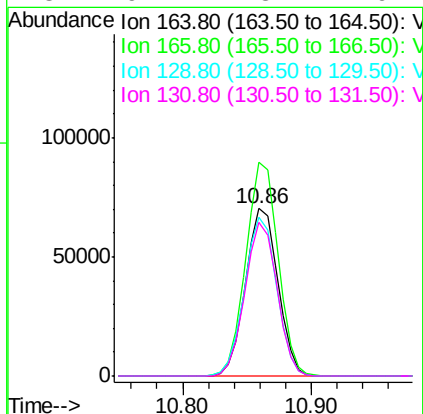
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

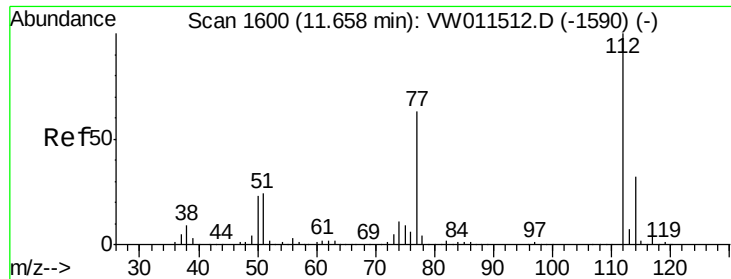
Tot Ion:117 Resp: 342324
Ion Ratio Lower Upper
117 100
82 59.0 47.9 71.9
119 32.6 26.2 39.2



#64
Tetrachloroethene
Concen: 54.735 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion:164 Resp: 121998
Ion Ratio Lower Upper
164 100
166 127.4 103.5 155.3
129 95.1 75.2 112.8
131 91.7 73.4 110.2

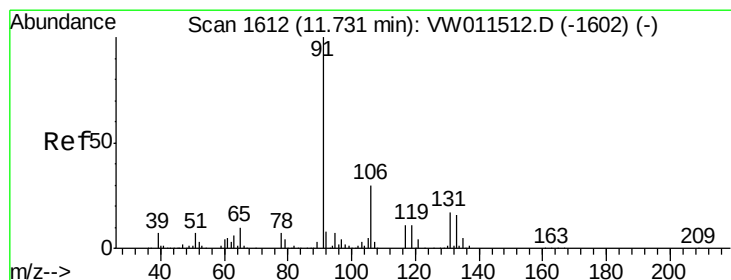
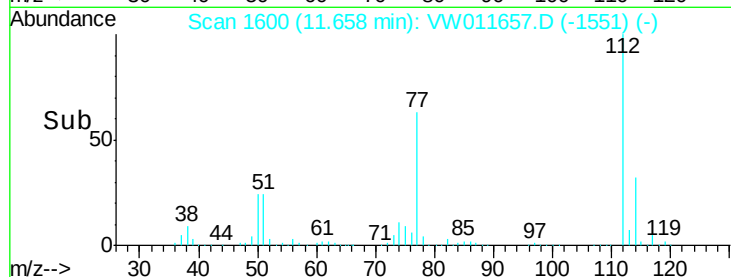
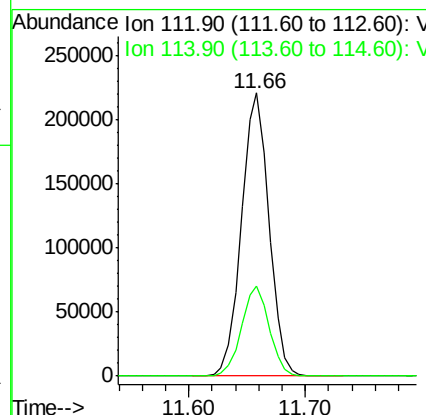
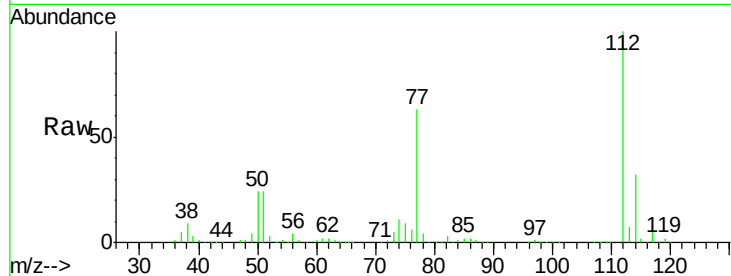




#65
Chlorobenzene
Concen: 52.888 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

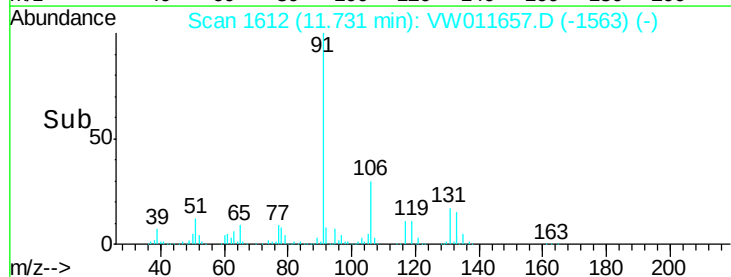
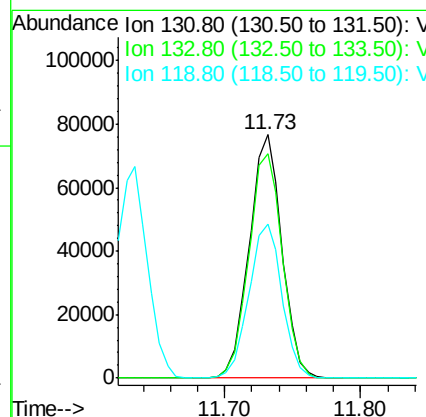
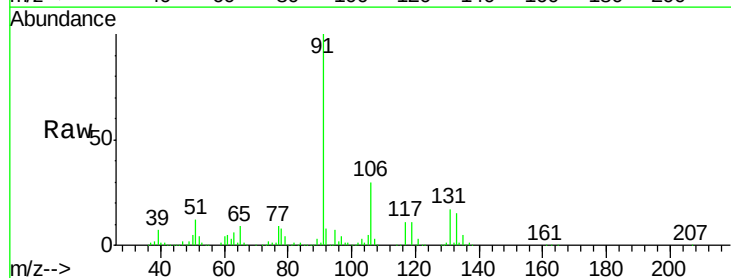
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

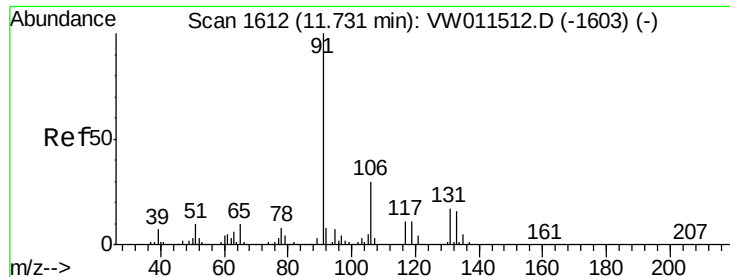
Tot Ion:112 Resp: 363994
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.646 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion:131 Resp: 128605
Ion Ratio Lower Upper
131 100
133 94.9 47.4 142.2
119 64.4 32.3 96.9

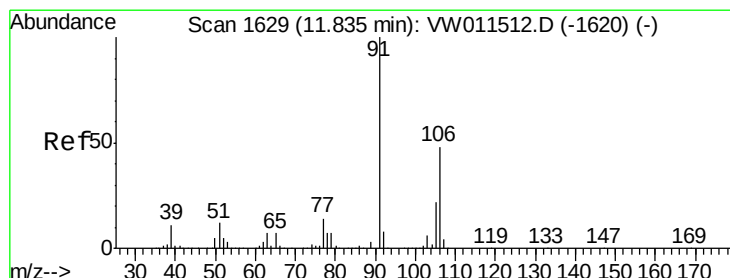
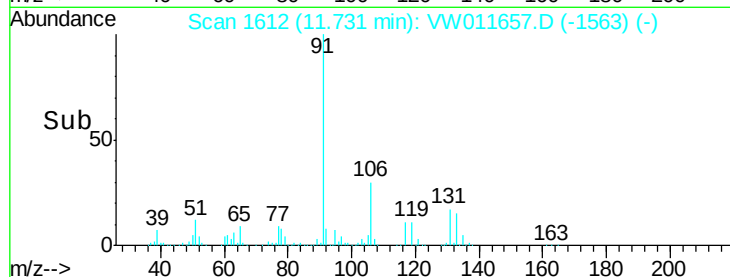
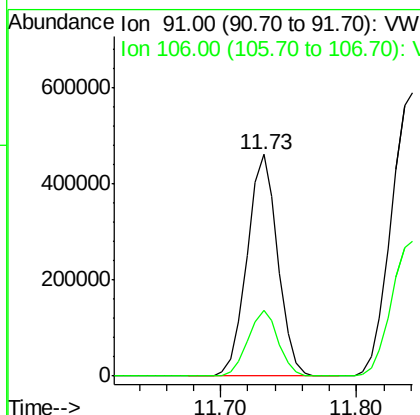
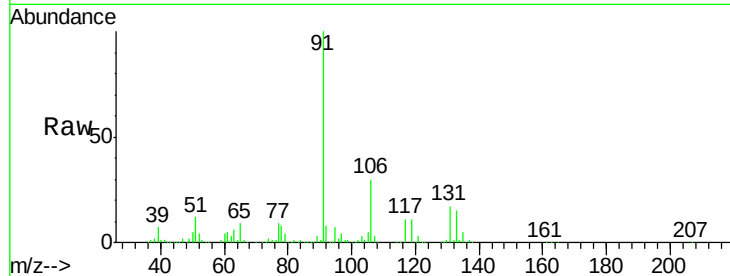




#67
Ethyl Benzene
Concen: 55.409 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

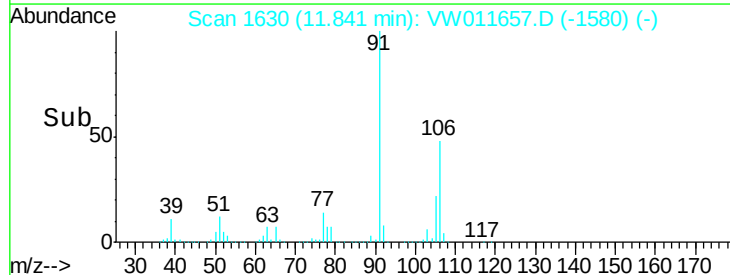
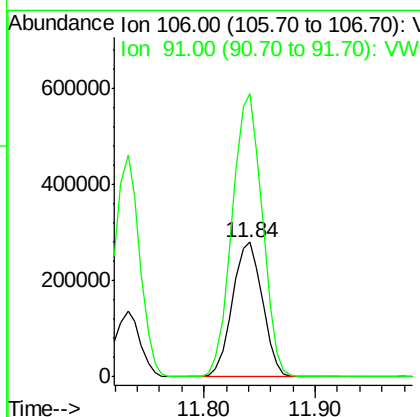
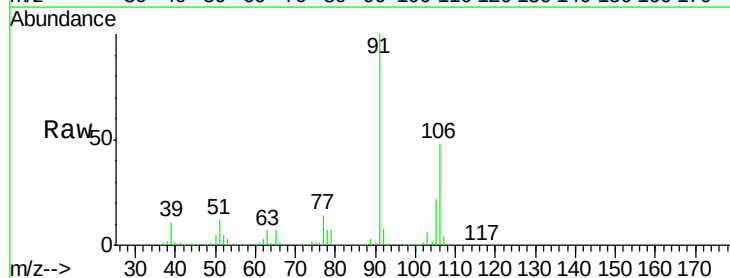
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

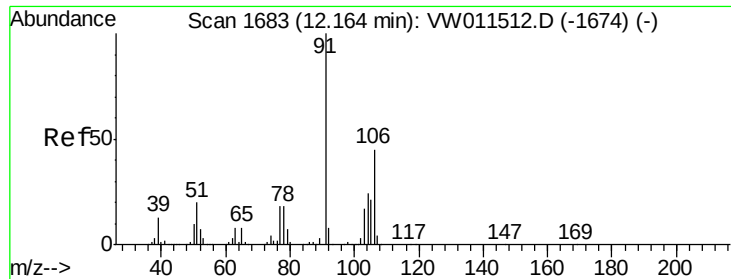
Tot Ion: 91 Resp: 726280
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6



#68
m/p-Xylenes
Concen: 110.022 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion: 106 Resp: 524459
Ion Ratio Lower Upper
106 100
91 210.3 168.2 252.2

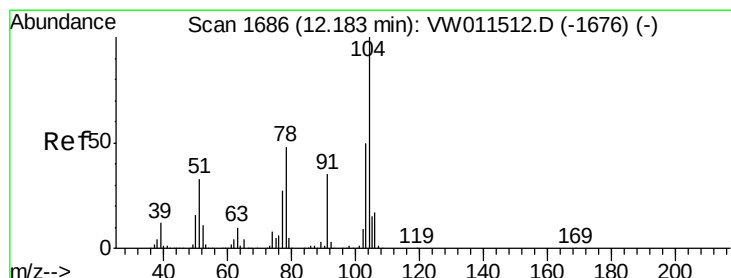
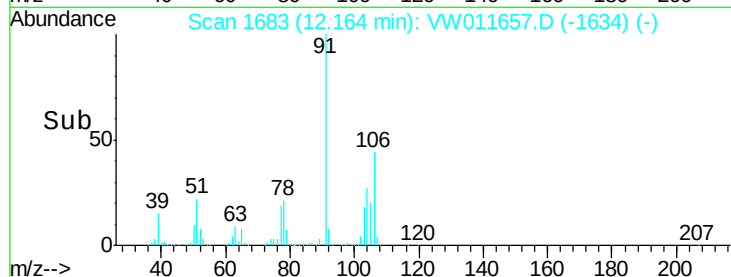
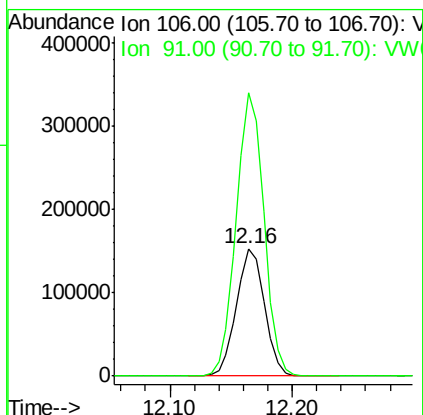
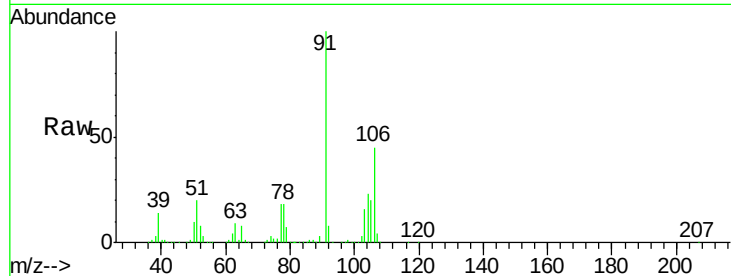




#69
o-Xylene
Concen: 54.628 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

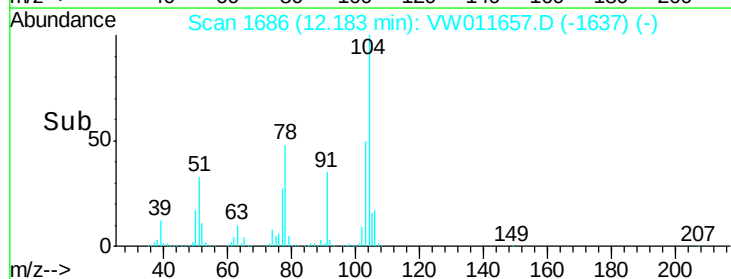
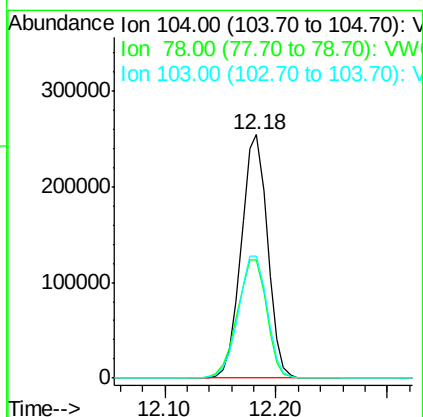
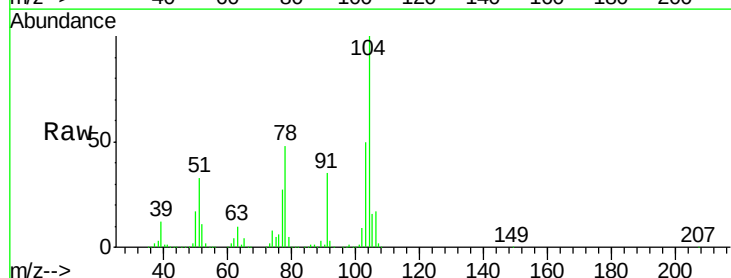
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

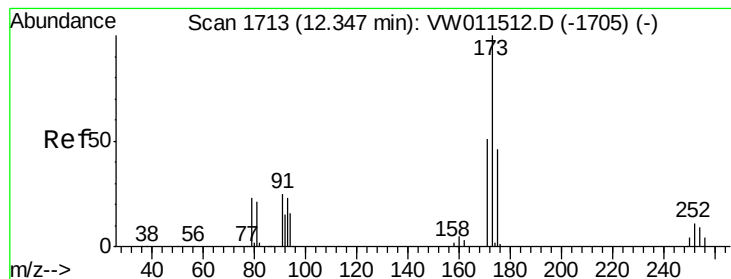
Tot Ion:106 Resp: 241983
Ion Ratio Lower Upper
106 100
91 220.9 110.5 331.5



#70
Styrene
Concen: 54.346 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011657.D
Acq: 03 Aug 2019 11:09

Tgt Ion:104 Resp: 416233
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.0
103 55.2 43.9 65.9





#71

Bromoform

Concen: 51.986 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

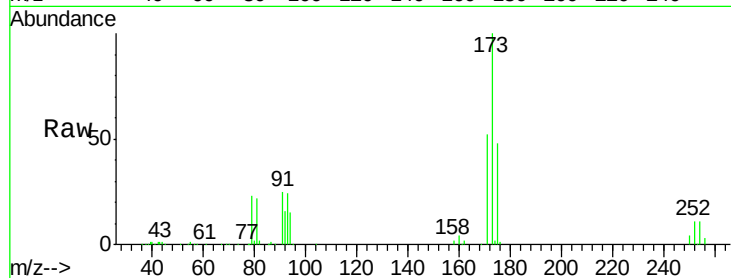
Tot Ion:173 Resp: 63541

Ion Ratio Lower Upper

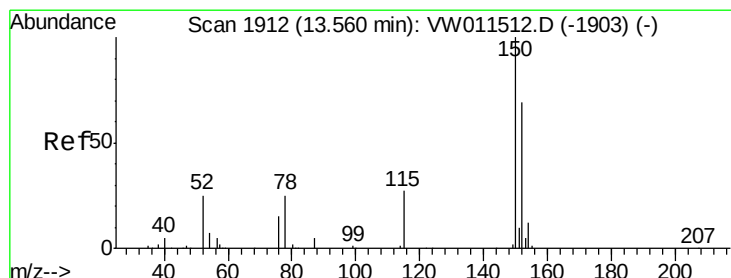
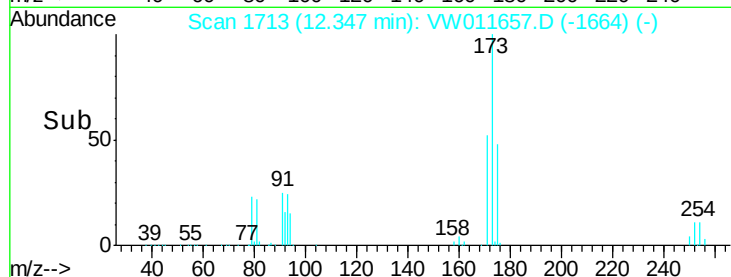
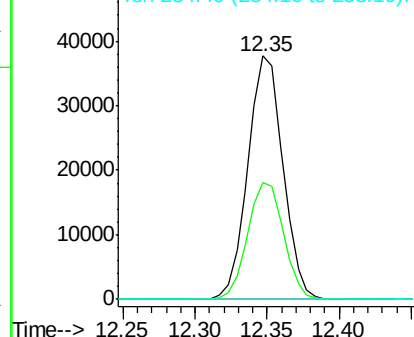
173 100

175 49.0 23.6 71.0

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

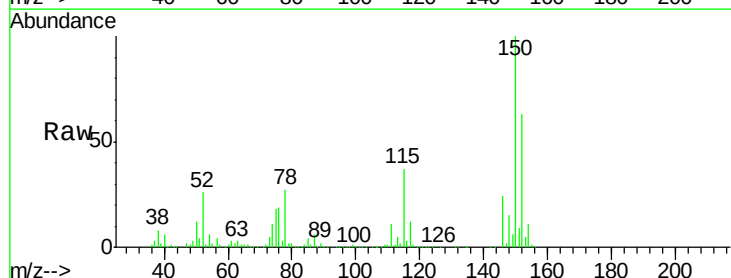
Tgt Ion:152 Resp: 164088

Ion Ratio Lower Upper

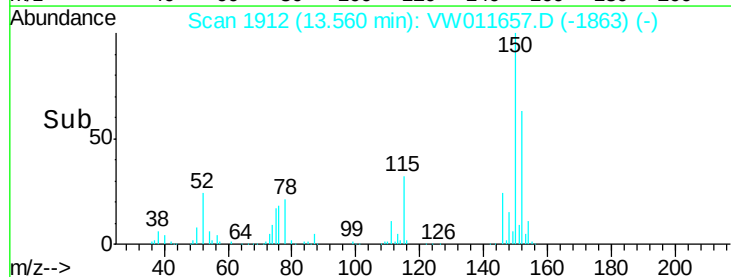
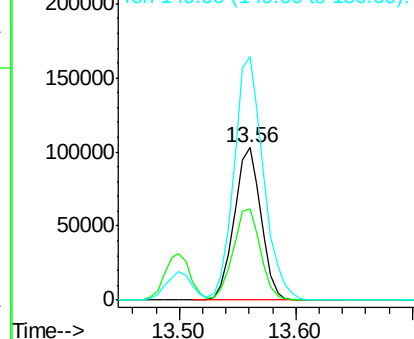
152 100

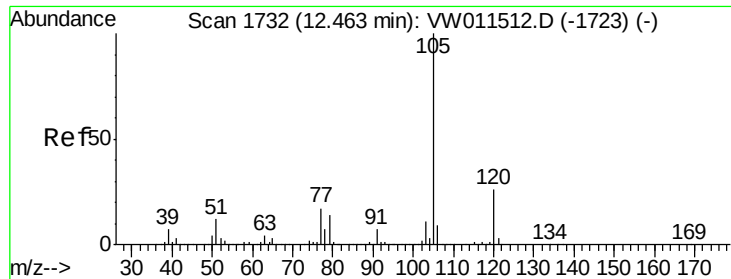
115 61.0 30.5 91.5

150 175.4 0.0 352.6



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: 56.076 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

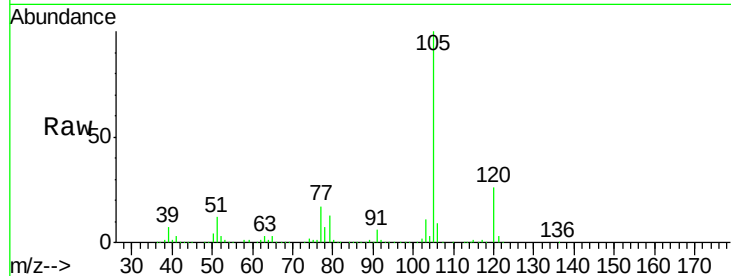
VSTDCCC050

Tot Ion:105 Resp: 686449

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

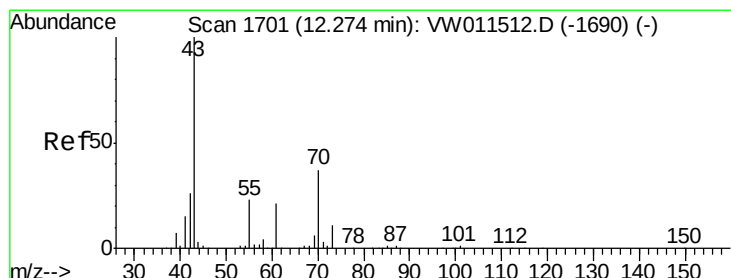
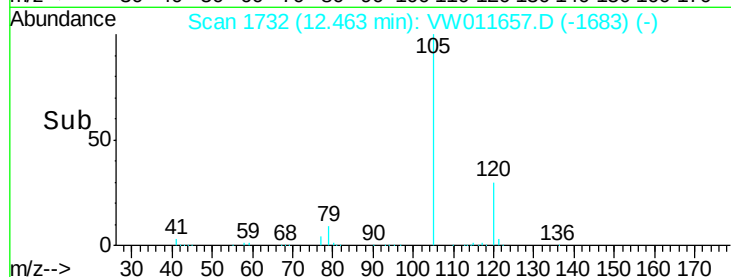
0

12.46

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 52.704 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Tgt Ion: 43 Resp: 201985

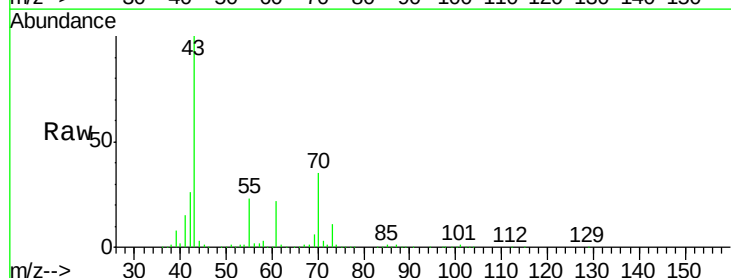
Ion Ratio Lower Upper

43 100

70 35.7 28.6 43.0

55 23.1 17.8 26.8

61 21.4 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

200000

150000

100000

50000

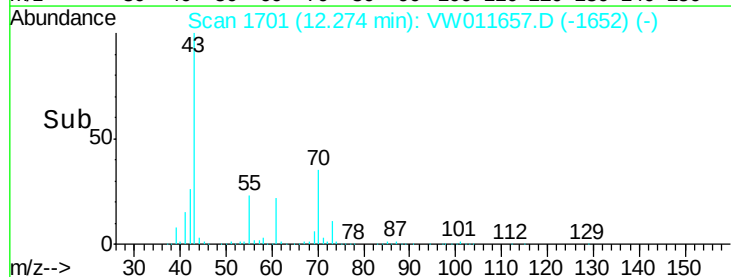
0

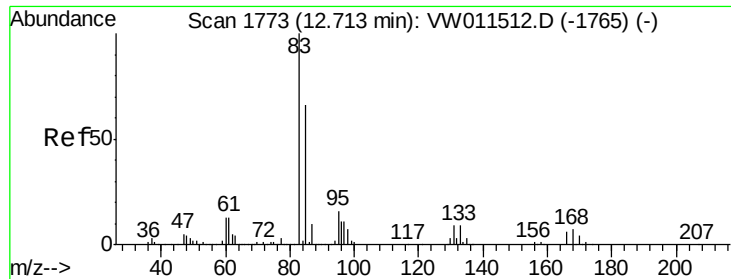
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.859 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

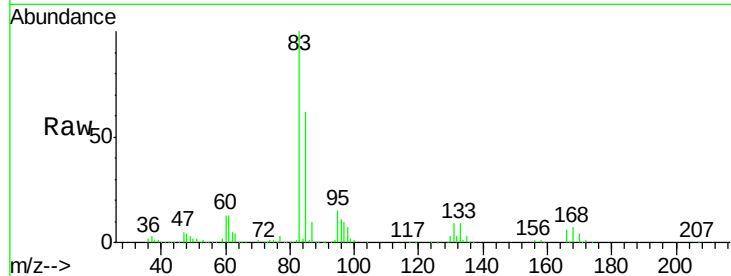
Tot Ion: 83 Resp: 119411

Ion Ratio Lower Upper

83 100

131 9.5 4.9 14.6

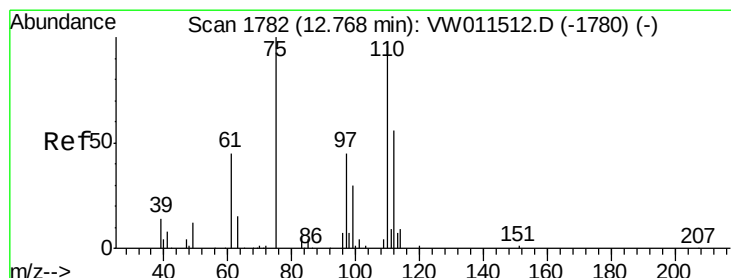
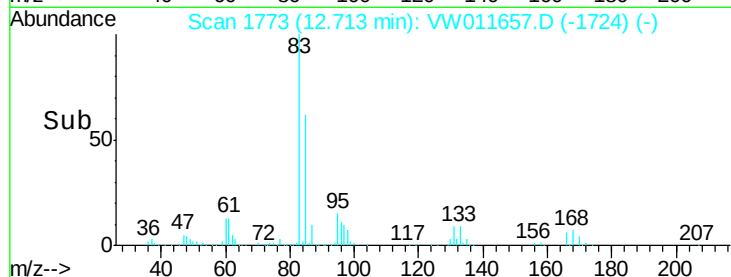
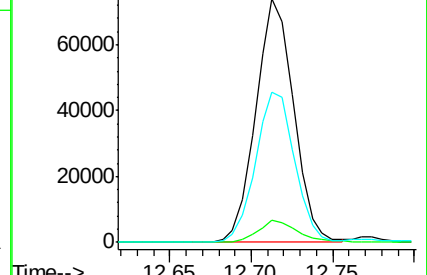
85 63.6 31.8 95.4



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 47.425 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011657.D

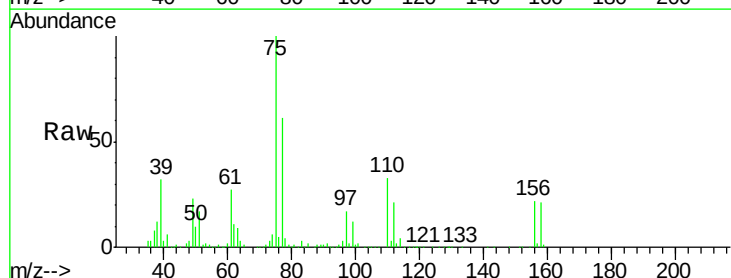
Acq: 03 Aug 2019 11:09

Tgt Ion: 75 Resp: 82341

Ion Ratio Lower Upper

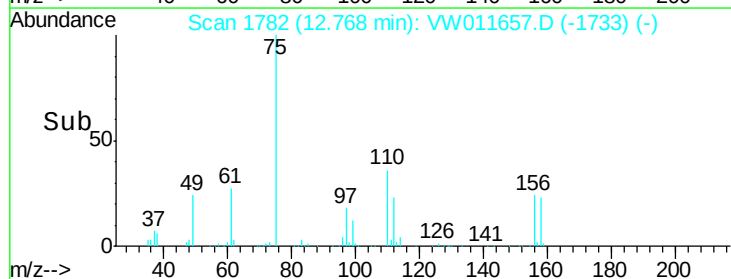
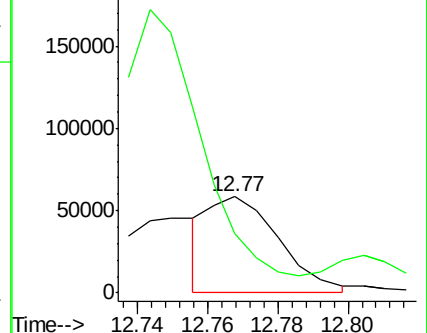
75 100

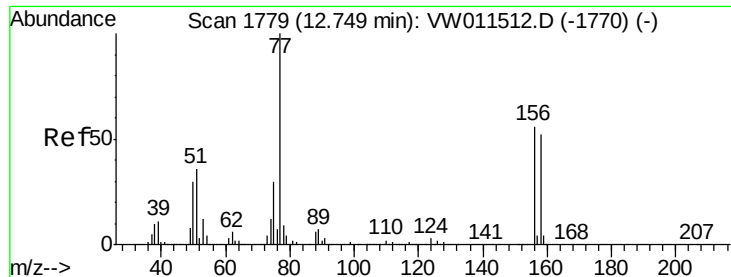
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 54.043 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

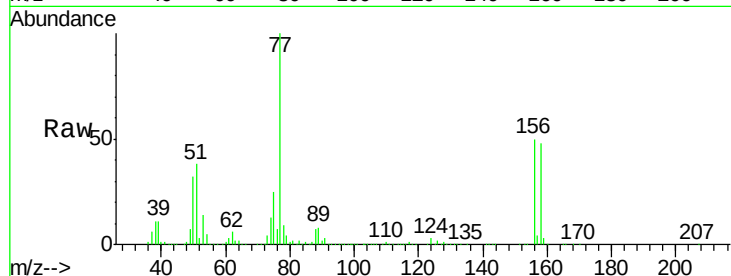
Tot Ion:156 Resp: 146224

Ion Ratio Lower Upper

156 100

77 210.3 106.5 319.4

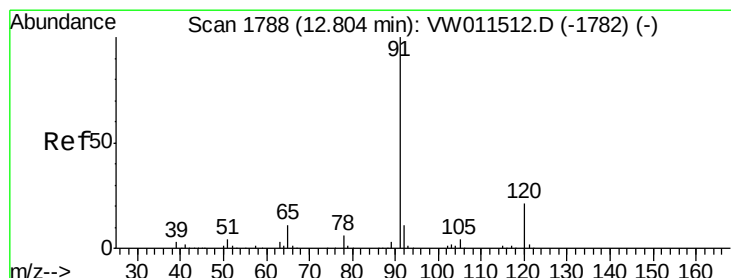
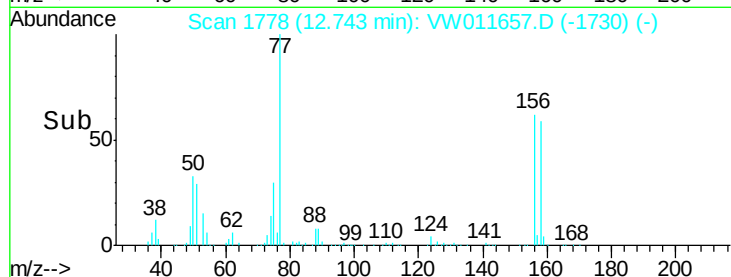
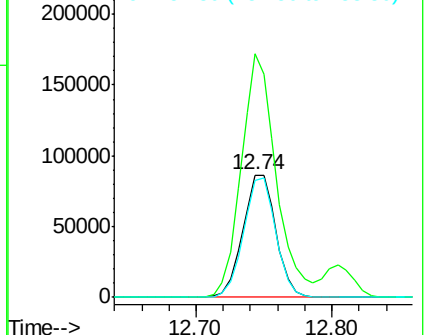
158 95.6 48.0 144.2



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: 56.935 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011657.D

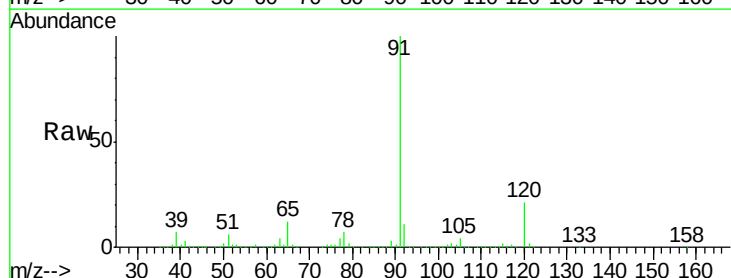
Acq: 03 Aug 2019 11:09

Tgt Ion: 91 Resp: 848205

Ion Ratio Lower Upper

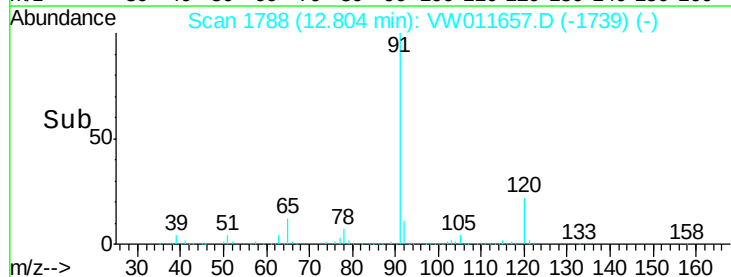
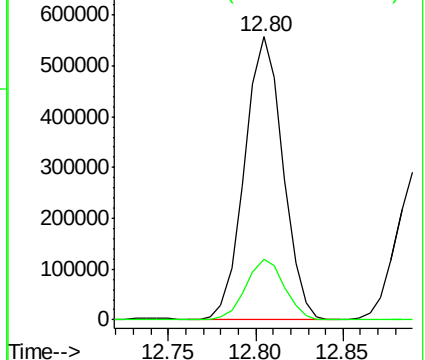
91 100

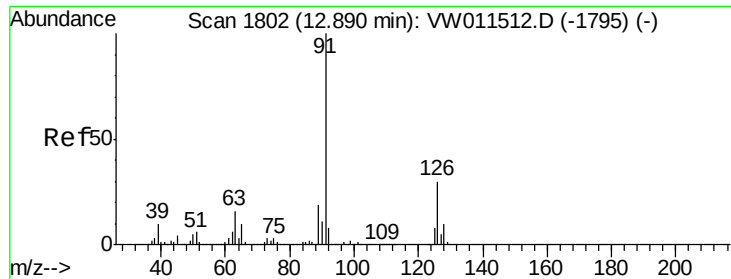
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.504 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

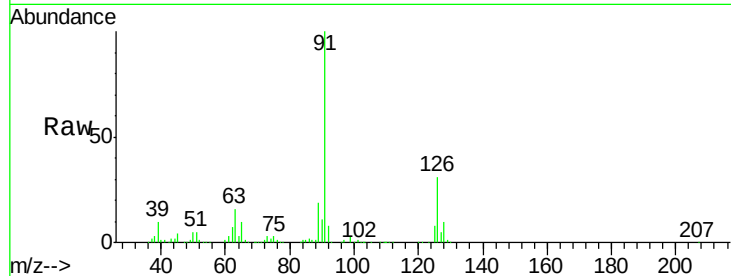
VSTDCCC050

Tot Ion: 91 Resp: 467789

Ion Ratio Lower Upper

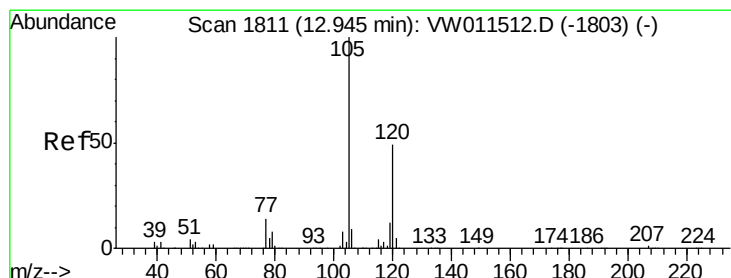
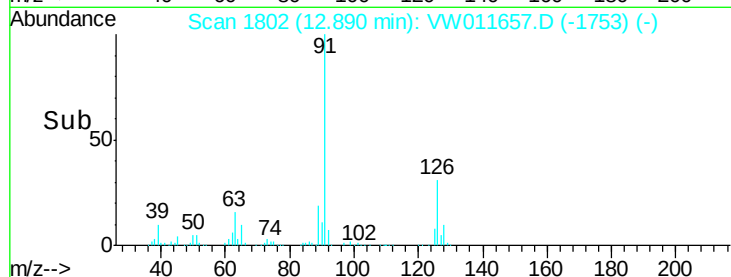
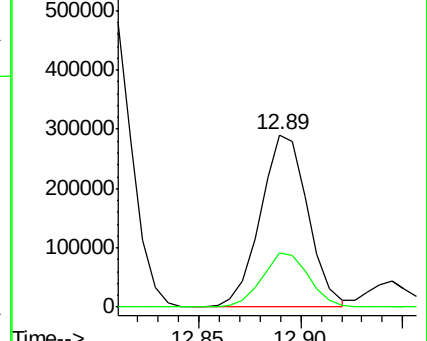
91 100

126 31.1 15.7 47.1



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: 56.424 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011657.D

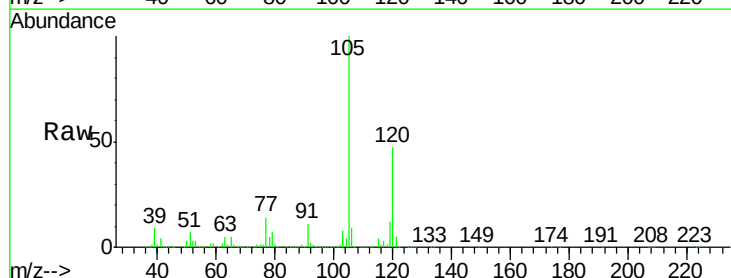
Acq: 03 Aug 2019 11:09

Tgt Ion:105 Resp: 578988

Ion Ratio Lower Upper

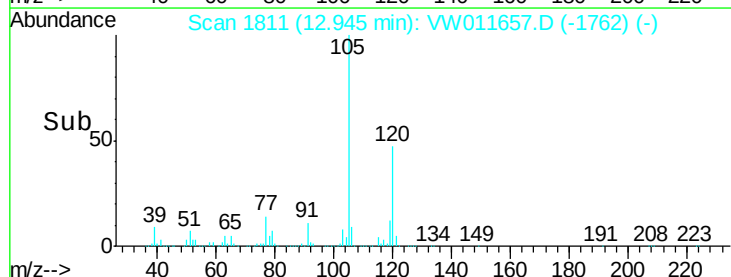
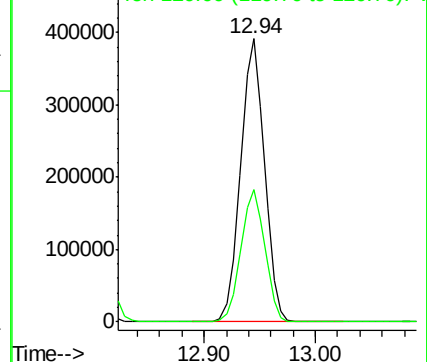
105 100

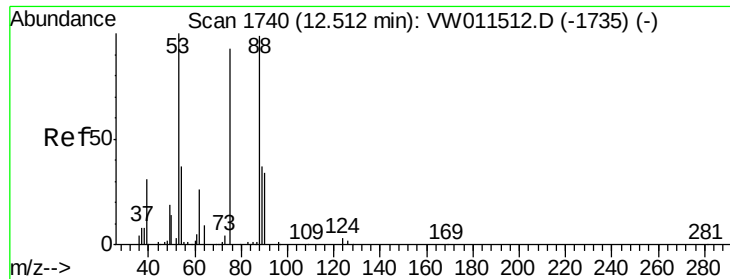
120 47.1 24.1 72.3



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: 53.817 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

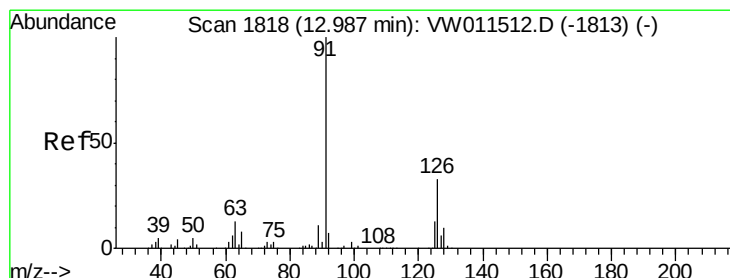
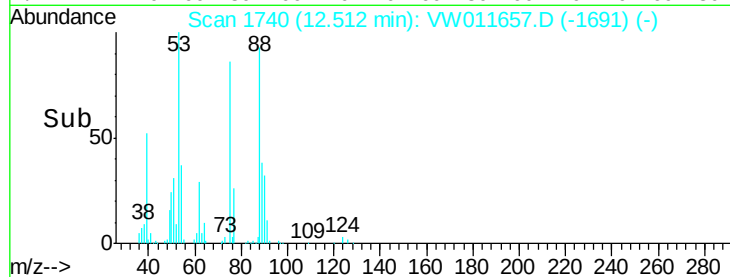
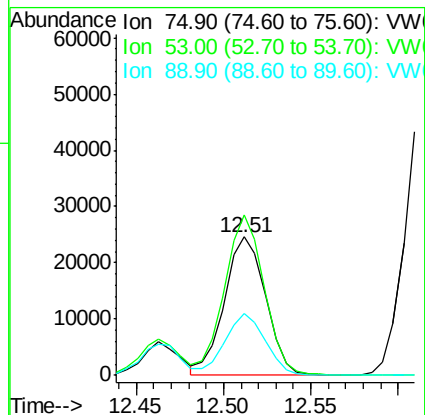
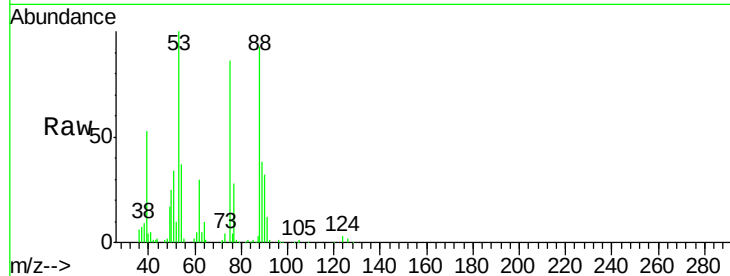
Tot Ion: 75 Resp: 40544

Ion Ratio Lower Upper

75 100

53 110.9 88.0 132.0

89 42.6 35.3 52.9



#82

4-Chlorotoluene

Concen: 55.394 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW011657.D

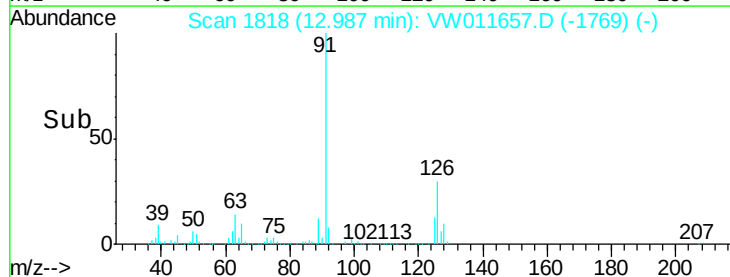
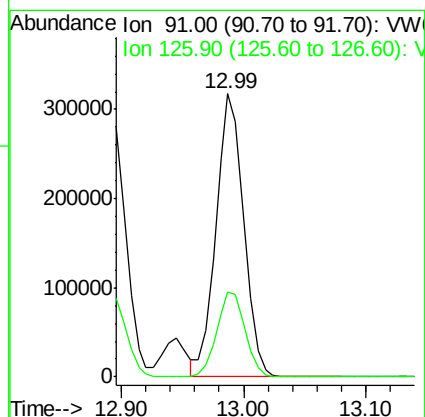
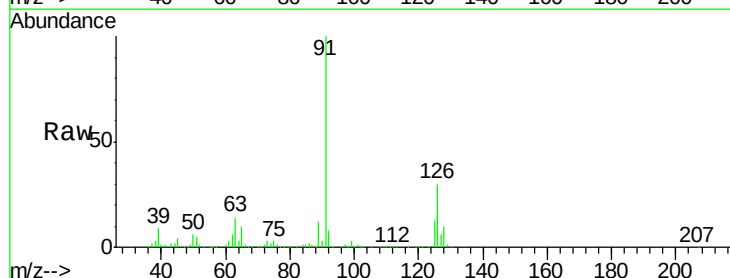
Acq: 03 Aug 2019 11:09

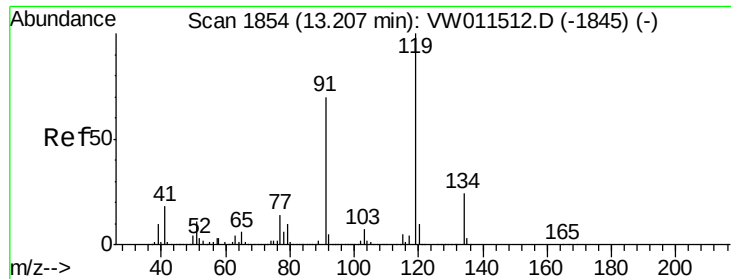
Tgt Ion: 91 Resp: 498824

Ion Ratio Lower Upper

91 100

126 30.6 15.6 46.8

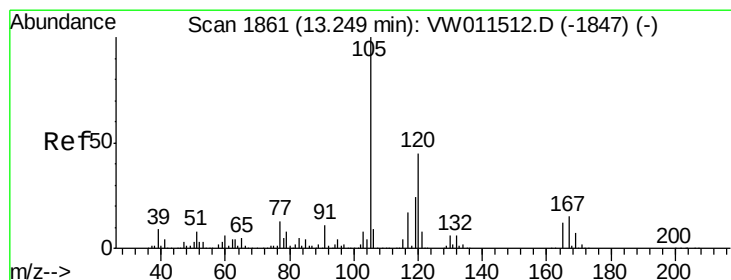
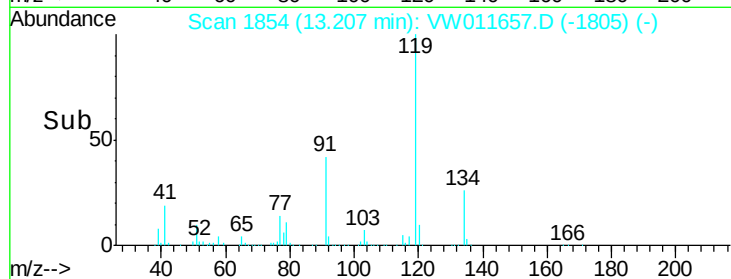
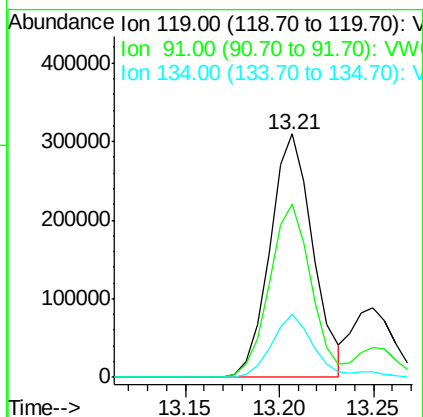
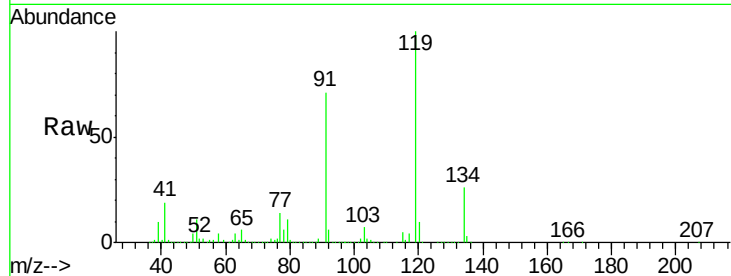




#83
 tert-Butylbenzene
 Concen: 56.833 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

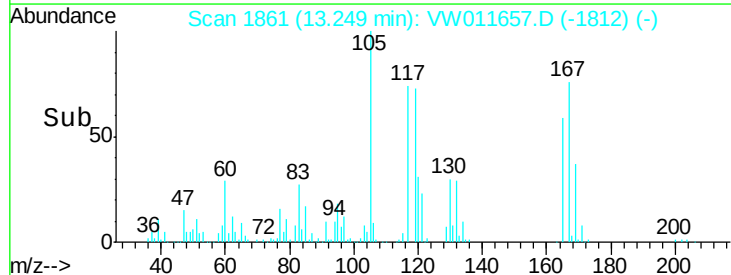
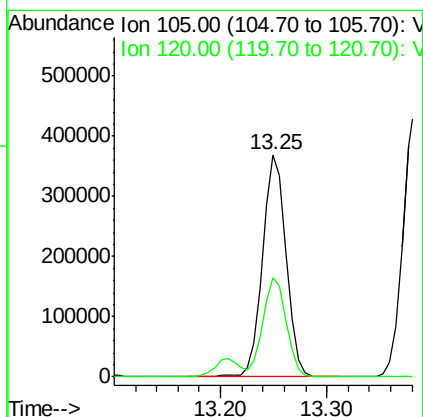
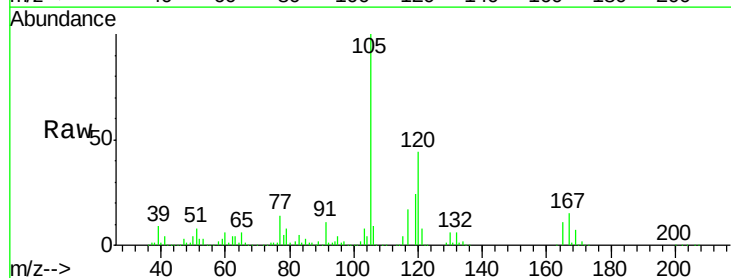
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

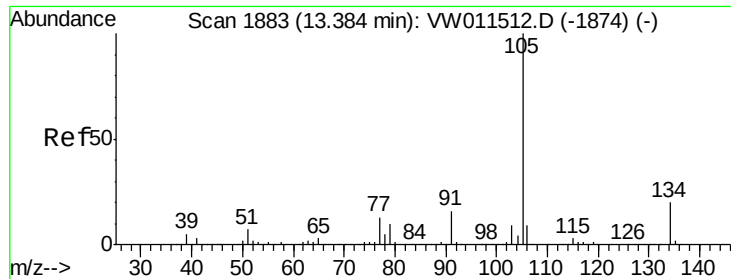
Tot Ion:119 Resp: 487684
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.5 103.6
 134 24.8 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 55.412 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion:105 Resp: 572779
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.5

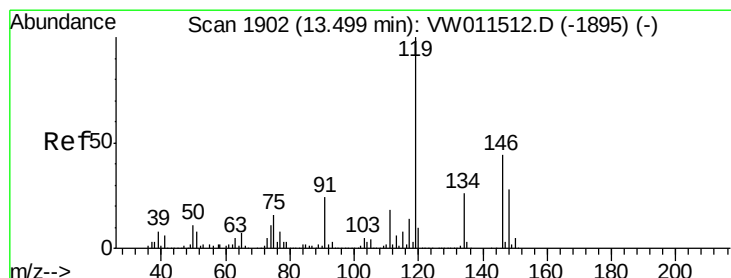
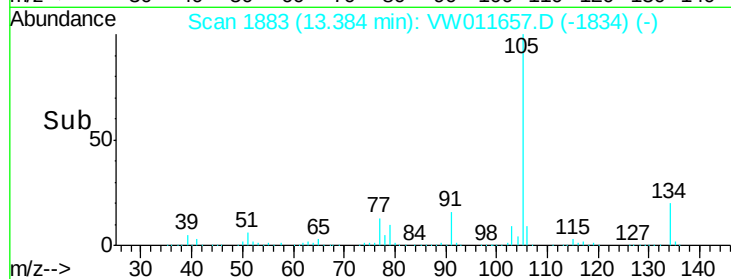
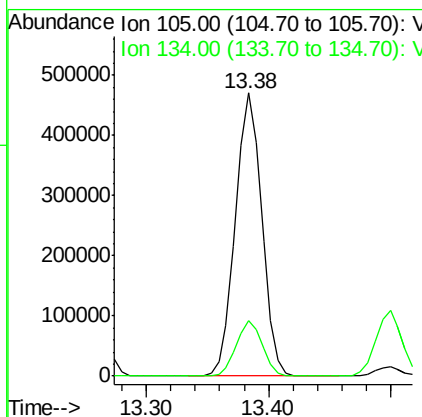
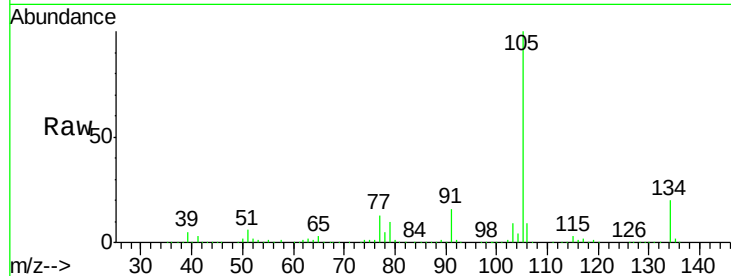




#85
 sec-Butylbenzene
 Concen: 57.359 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

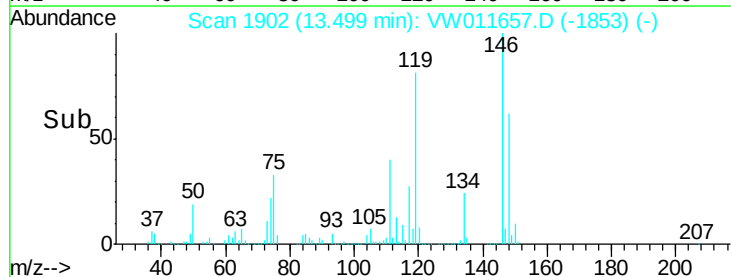
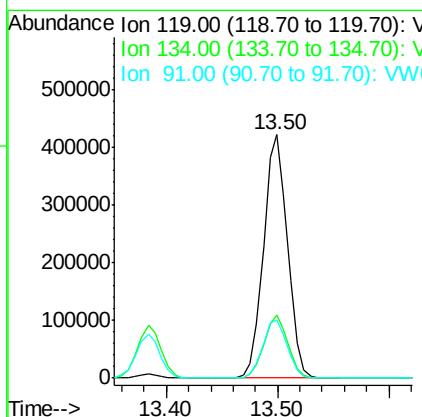
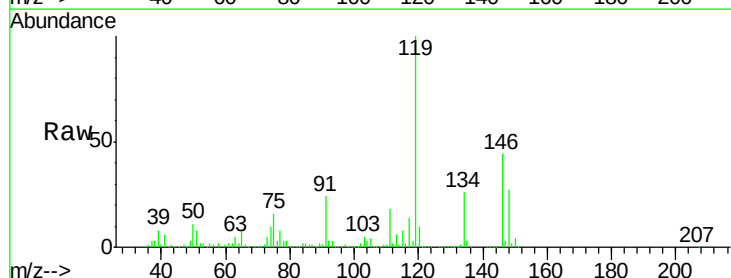
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

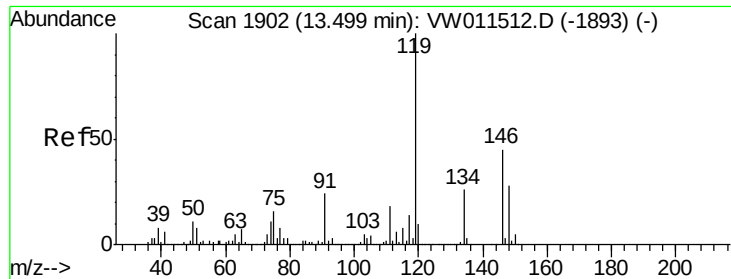
Tot Ion:105 Resp: 702296
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 56.903 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion:119 Resp: 632142
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.8 38.4
 91 24.5 12.1 36.3

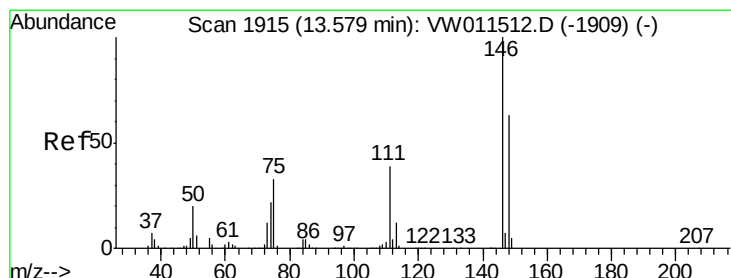
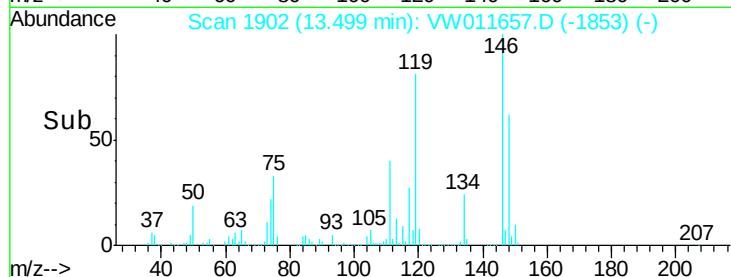
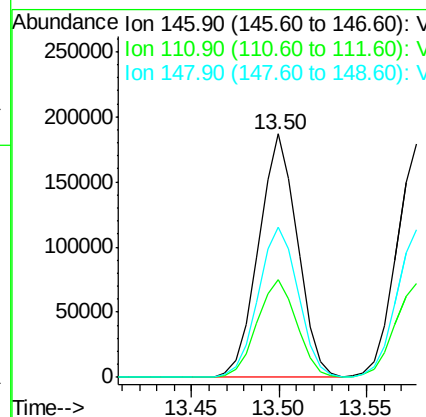
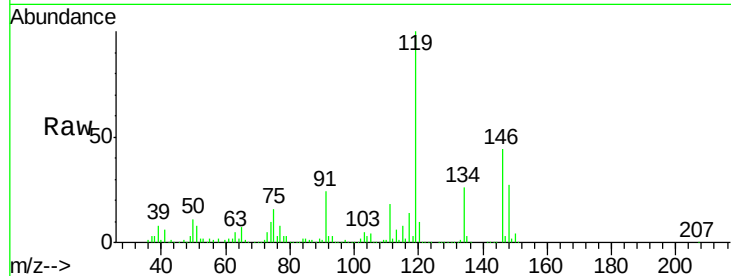




#87
 1,3-Dichlorobenzene
 Concen: 54.234 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

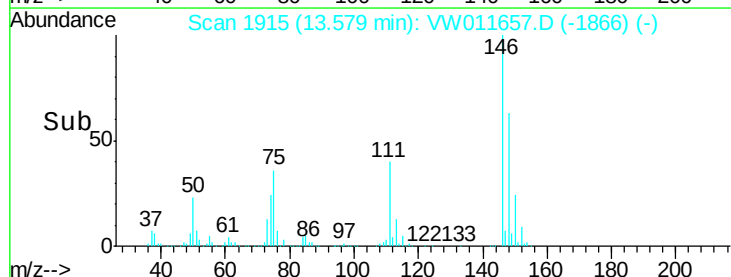
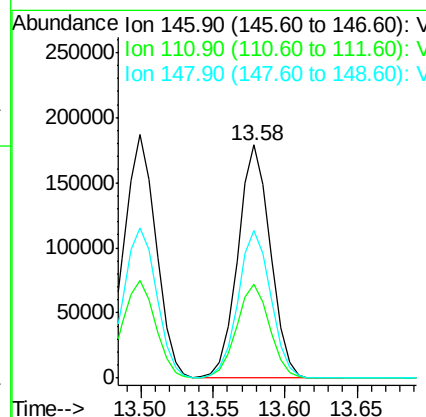
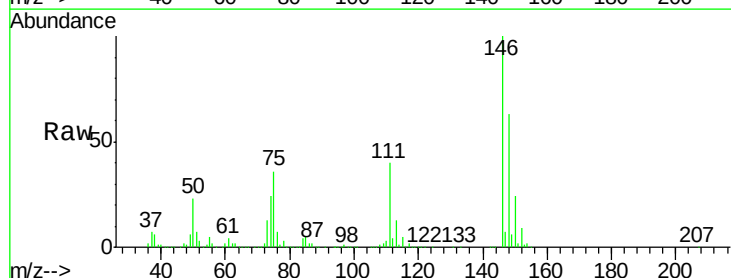
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

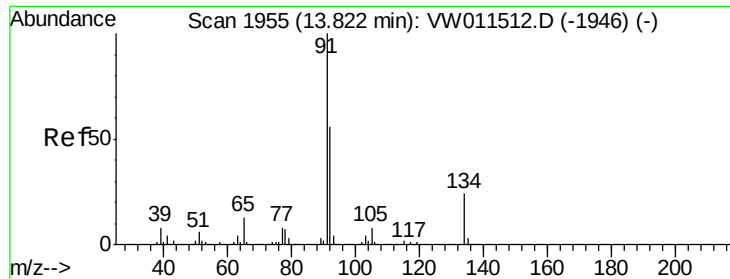
Tot Ion:146 Resp: 287728
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.6
 148 63.5 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 53.069 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion:146 Resp: 280074
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.1 60.2
 148 64.1 31.9 95.9





#89

n-Butylbenzene

Concen: 58.153 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

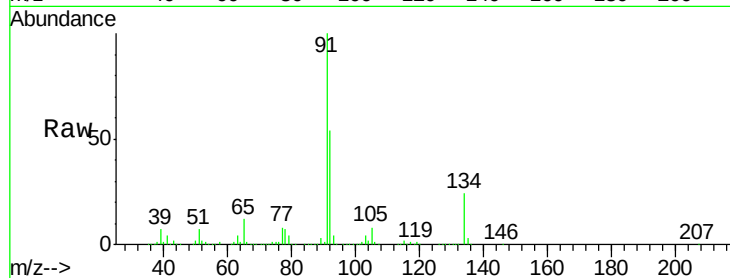
Tot Ion: 91 Resp: 644696

Ion Ratio Lower Upper

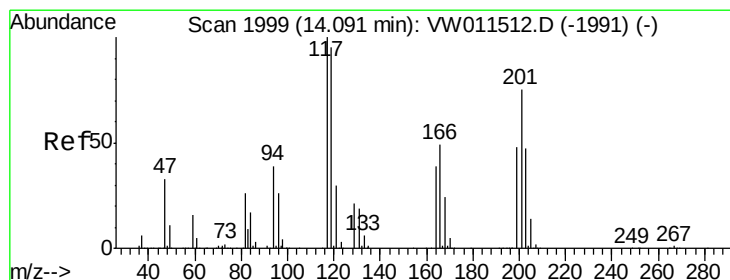
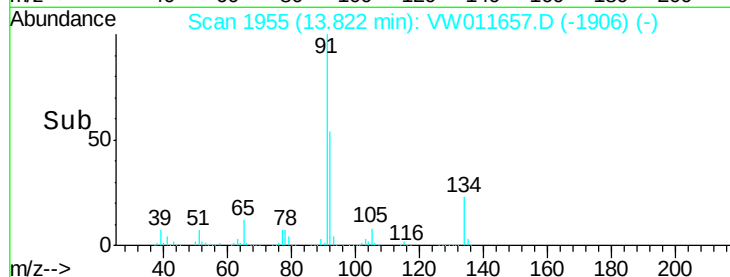
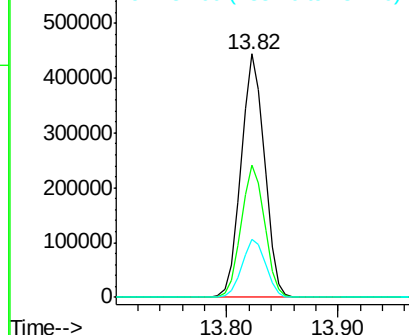
91 100

92 54.5 27.5 82.4

134 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 56.367 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW011657.D

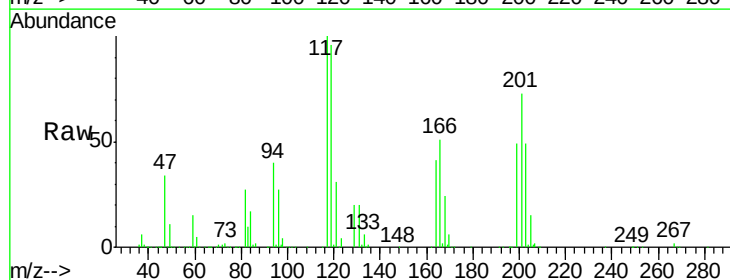
Acq: 03 Aug 2019 11:09

Tgt Ion: 117 Resp: 110727

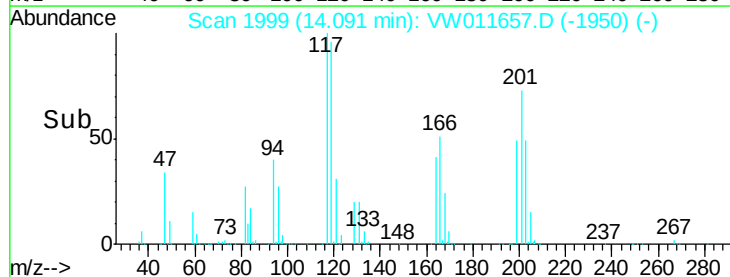
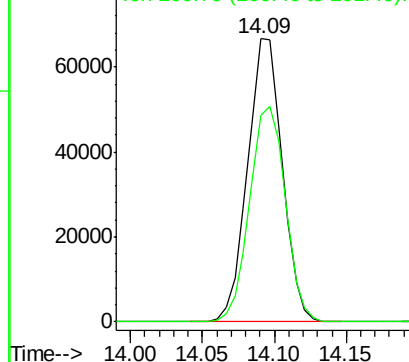
Ion Ratio Lower Upper

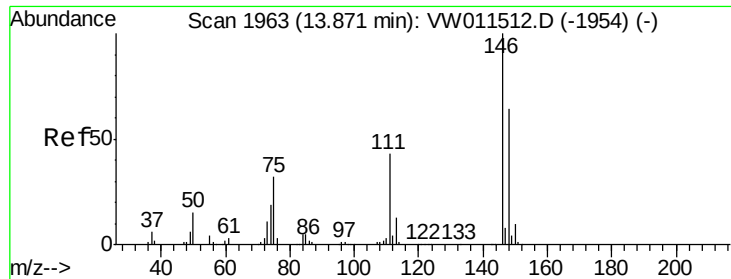
117 100

201 78.3 39.4 118.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

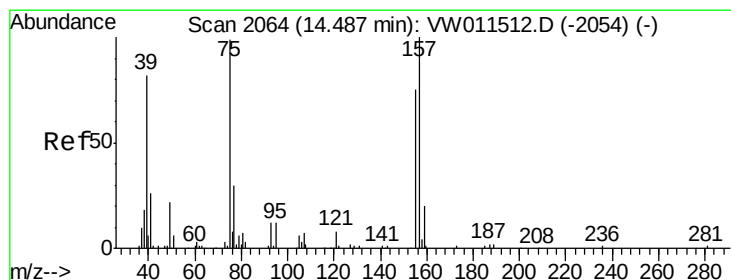
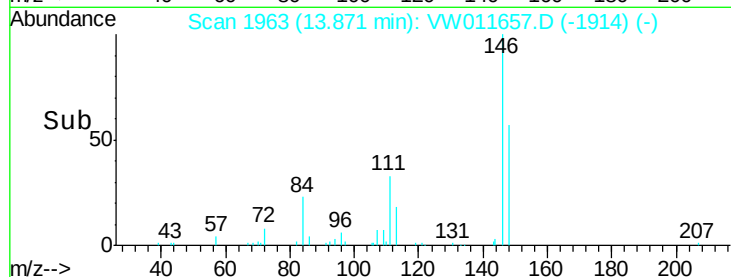
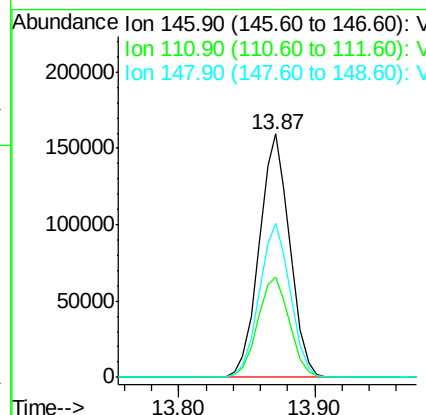
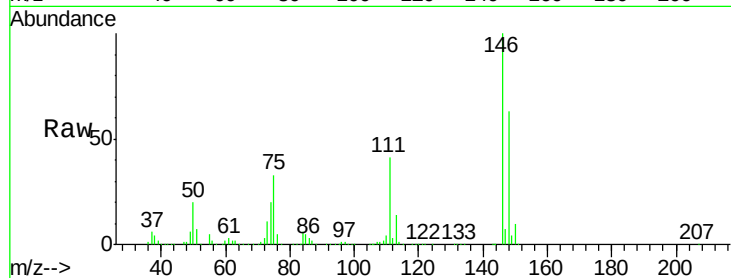




#91
 1,2-Dichlorobenzene
 Concen: 53.430 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

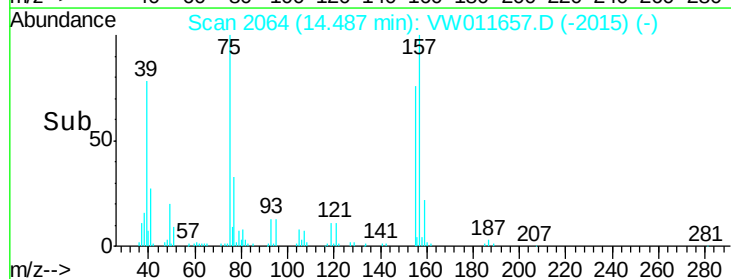
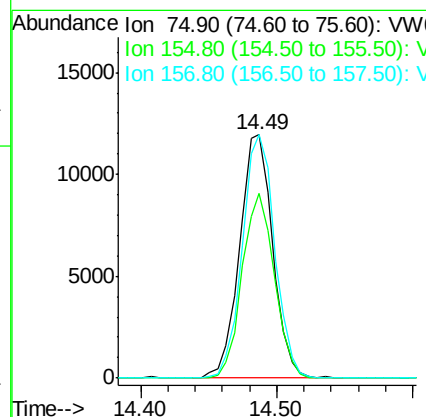
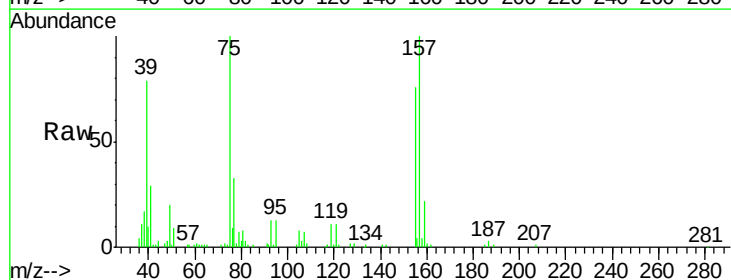
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

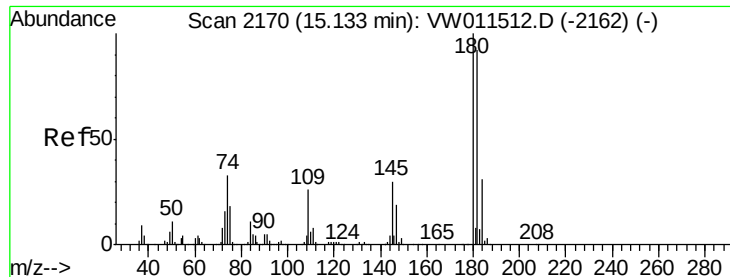
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	65.0
148	63.9	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.468 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	38.2	114.6
157	97.9	48.9	146.7

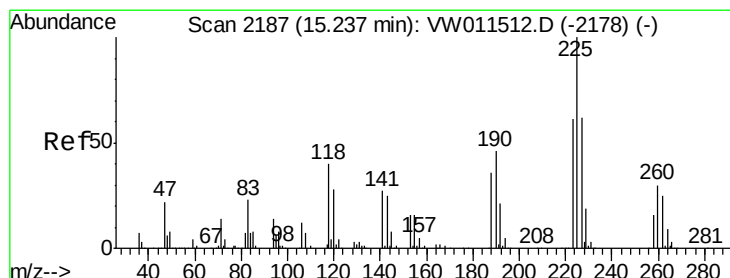
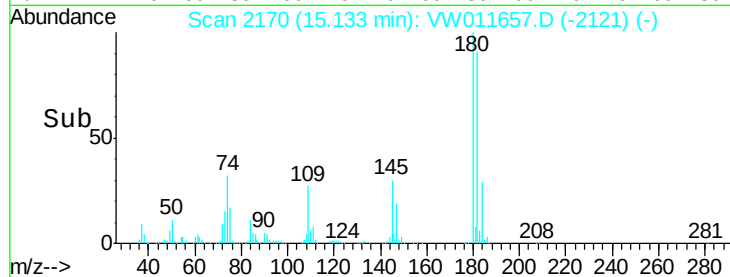
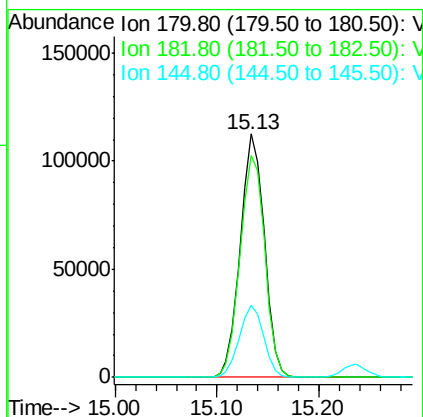
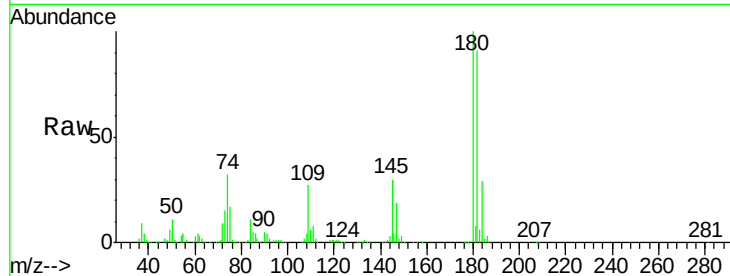




#93
 1,2,4-Trichlorobenzene
 Concen: 55.589 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

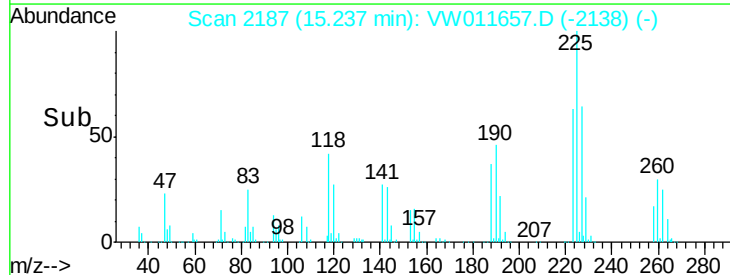
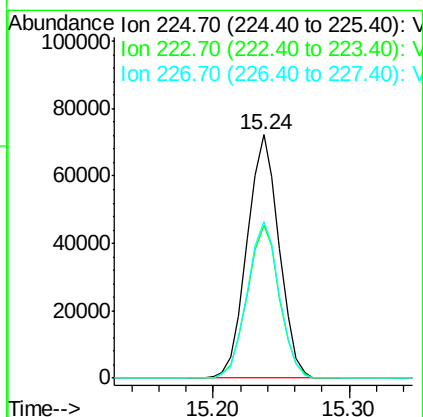
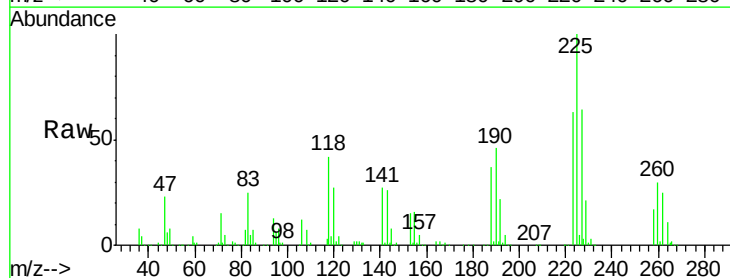
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

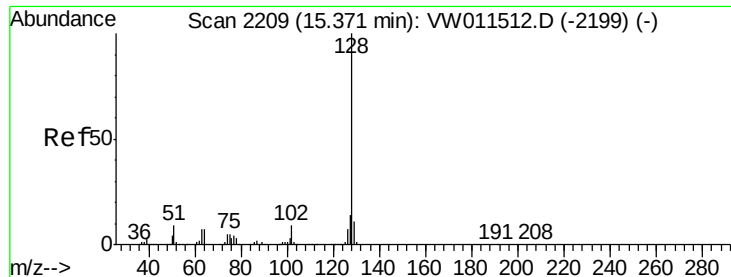
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	30.0	15.4	46.1



#94
 Hexachlorobutadiene
 Concen: 57.701 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011657.D
 Acq: 03 Aug 2019 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.8	92.3
227	64.4	31.6	94.7





#95

Naphthalene

Concen: 50.461 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

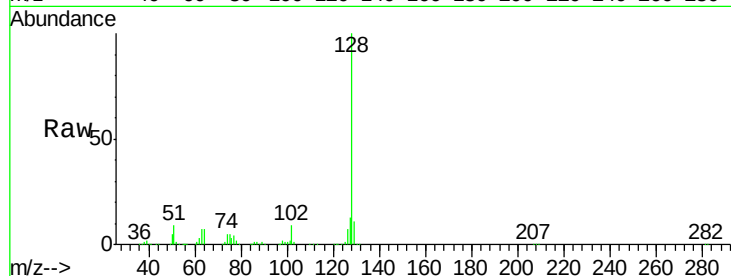
Tot Ion:128 Resp: 327011

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

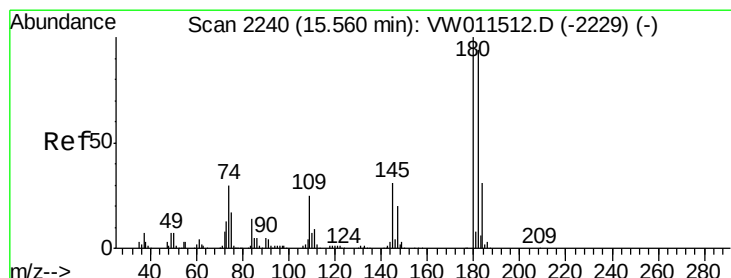
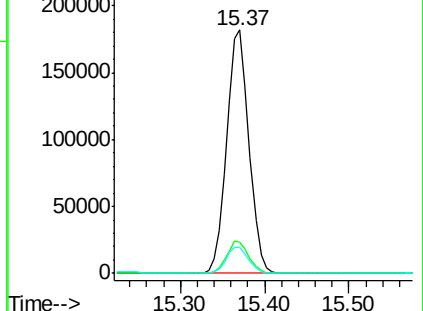
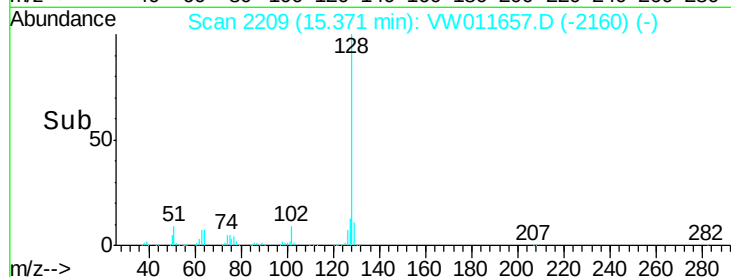
129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.734 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW011657.D

Acq: 03 Aug 2019 11:09

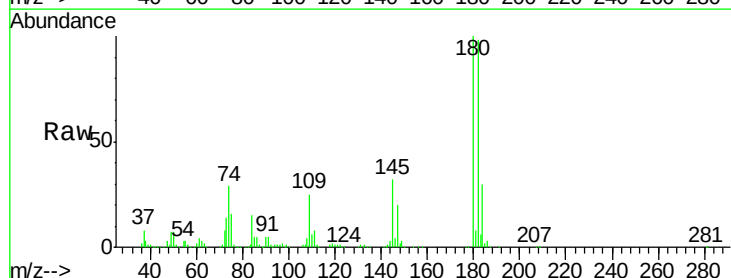
Tgt Ion:180 Resp: 158660

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

145 31.7 15.9 47.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

