

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011217.D
 Acq On : 11 Jul 2019 04:31
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 11 08:12:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	181388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	127457	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.88	113	97506	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	10.32	98	377696	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.62	95	146493	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	58449	43.206	ug/l	97
3) Chloromethane	2.20	50	88621	50.839	ug/l	99
4) Vinyl Chloride	2.35	62	110070	48.243	ug/l	96
5) Bromomethane	2.77	94	60184	52.495	ug/l	94
6) Chloroethane	2.91	64	64036	52.109	ug/l	96
7) Trichlorofluoromethane	3.24	101	33071	40.802	ug/l	97
8) Diethyl Ether	3.67	74	66490	59.288	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	95054	48.960	ug/l	99
10) Methyl Iodide	4.27	142	152579	57.141	ug/l	99
11) Tert butyl alcohol	5.21	59	47189	279.647	ug/l	99
12) 1,1-Dichloroethene	4.03	96	104943	52.080	ug/l	92
13) Acrolein	3.89	56	35853	266.822	ug/l	99
14) Allyl chloride	4.66	41	169949	46.251	ug/l	98
15) Acrylonitrile	5.37	53	168744	295.442	ug/l	99
16) Acetone	4.14	43	135745	247.528	ug/l	98
17) Carbon Disulfide	4.38	76	302123	49.456	ug/l	99
18) Methyl Acetate	4.67	43	104057	60.674	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	195373	63.900	ug/l	98
20) Methylene Chloride	4.91	84	128599	59.443	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	115702	55.259	ug/l	95
22) Diisopropyl ether	6.31	45	471060	59.604	ug/l	100
23) Vinyl Acetate	6.25	43	1481201	302.839	ug/l	100
24) 1,1-Dichloroethane	6.21	63	236427	56.969	ug/l	99
25) 2-Butanone	7.17	43	259736	301.721	ug/l	100
26) 2,2-Dichloropropane	7.16	77	92302	42.787	ug/l	96
27) cis-1,2-Dichloroethene	7.16	96	131968	58.428	ug/l	99
28) Bromochloromethane	7.51	49	106192	56.275	ug/l #	99
29) Tetrahydrofuran	7.53	42	176350	312.419	ug/l	100
30) Chloroform	7.67	83	222182	57.809	ug/l	99
31) Cyclohexane	7.95	56	206829	46.846	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	155840	53.303	ug/l	99
36) 1,1-Dichloropropene	8.08	75	165865	48.594	ug/l	100
37) Ethyl Acetate	7.25	43	116866	56.986	ug/l	99
38) Carbon Tetrachloride	8.06	117	138747	47.951	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	193343	46.735	ug/l	99
40) Benzene	8.32	78	502604	53.282	ug/l	99
41) Methacrylonitrile	7.48	41	70210	59.860	ug/l	97
42) 1,2-Dichloroethane	8.40	62	174216	56.933	ug/l	99
43) Isopropyl Acetate	8.42	43	226537	58.509	ug/l	100
44) Trichloroethene	9.09	130	117781	51.887	ug/l	98
45) 1,2-Dichloropropane	9.37	63	142013	55.595	ug/l	99
46) Dibromomethane	9.46	93	68536	57.117	ug/l	98
47) Bromodichloromethane	9.64	83	169215	55.115	ug/l	100
48) Methyl methacrylate	9.43	41	111304	59.753	ug/l	97
49) 1,4-Dioxane	9.47	88	23849	1190.722	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	606143	299.692	ug/l	100
52) Toluene	10.38	92	307161	53.679	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	174040	53.255	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	204267	53.102	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	97430	57.234	ug/l	98
56) Ethyl methacrylate	10.65	69	152800	58.957	ug/l	98
57) 1,3-Dichloropropane	10.93	76	185906	57.752	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	331845	276.189	ug/l	100
59) 2-Hexanone	10.97	43	409882	292.222	ug/l	100
60) Dibromochloromethane	11.13	129	107709	57.701	ug/l	98
61) 1,2-Dibromoethane	11.23	107	94279	58.469	ug/l	99
64) Tetrachloroethene	10.86	164	111472	55.632	ug/l	98
65) Chlorobenzene	11.66	112	316062	52.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	114301	53.770	ug/l	99
67) Ethyl Benzene	11.73	91	592512	51.266	ug/l	99
68) m/p-Xylenes	11.84	106	429384	102.674	ug/l	99
69) o-Xylene	12.16	106	207950	52.758	ug/l	100
70) Styrene	12.18	104	369181	54.271	ug/l	99
71) Bromoform	12.35	173	62115	54.959	ug/l #	98
73) Isopropylbenzene	12.46	105	549692	50.363	ug/l	100
74) N-amyl acetate	12.27	43	210855	55.470	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	123472	55.187	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	156759	92.905	ug/l #	100
77) Bromobenzene	12.74	156	129932	53.046	ug/l	99
78) n-propylbenzene	12.80	91	670288	49.853	ug/l	100
79) 2-Chlorotoluene	12.89	91	396925	51.302	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	476415	51.379	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33850	45.376	ug/l	96
82) 4-Chlorotoluene	12.99	91	415823	51.600	ug/l	100
83) tert-Butylbenzene	13.21	119	388090	50.185	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	486408	52.242	ug/l	100
85) sec-Butylbenzene	13.38	105	554883	49.727	ug/l	100
86) p-Isopropyltoluene	13.50	119	504148	50.373	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	252002	53.473	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	251371	52.970	ug/l	99
89) n-Butylbenzene	13.82	91	496615	49.741	ug/l	100
90) Hexachloroethane	14.09	117	91279	49.910	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	233434	54.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21754	54.817	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Jul 10 06:41:08 2019
Response via : Initial Calibration

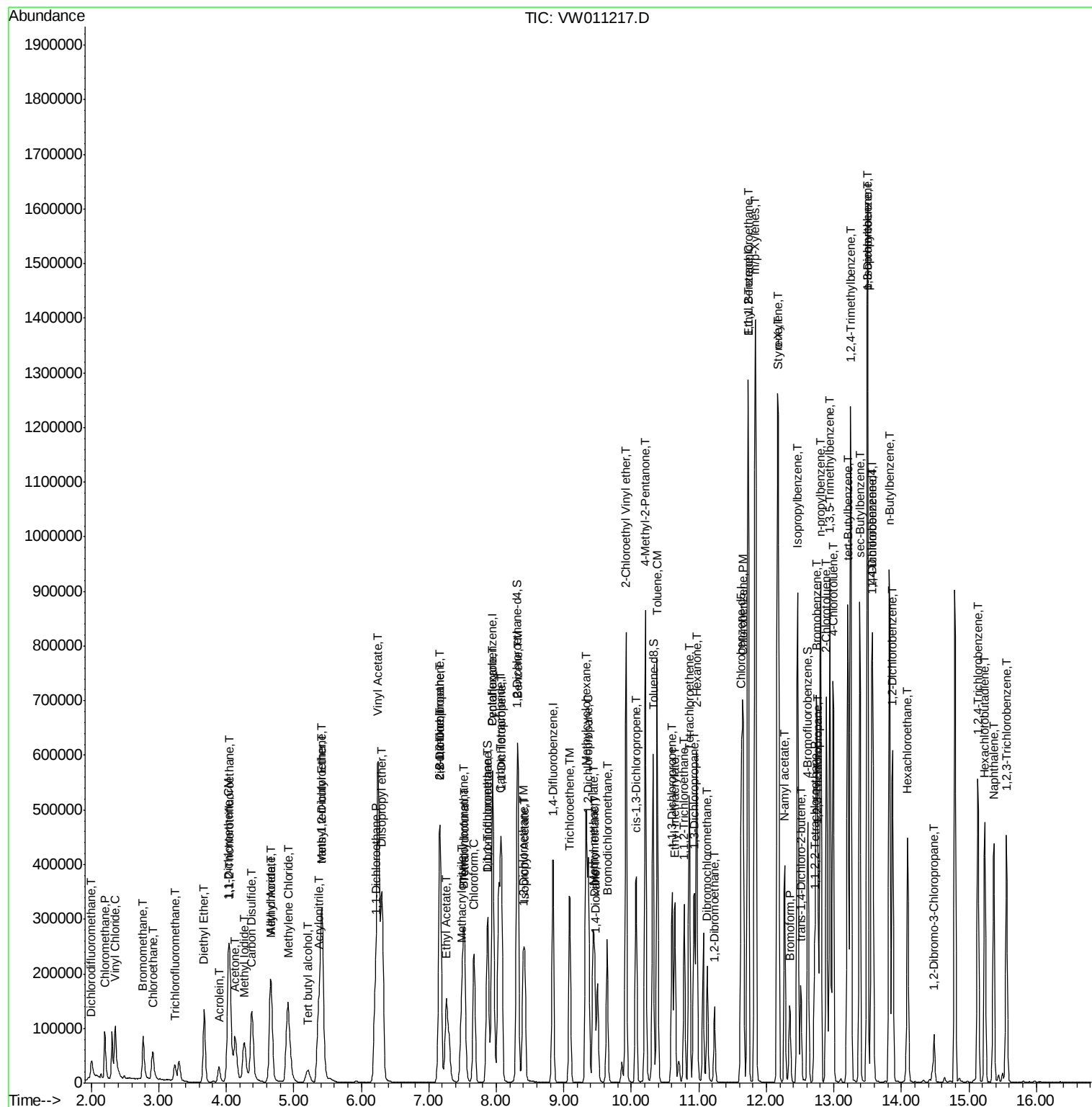
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169555	57.578	ug/l	98
94) Hexachlorobutadiene	15.24	225	91357	50.532	ug/l	99
95) Naphthalene	15.37	128	354043	62.740	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	154832	59.575	ug/l	99

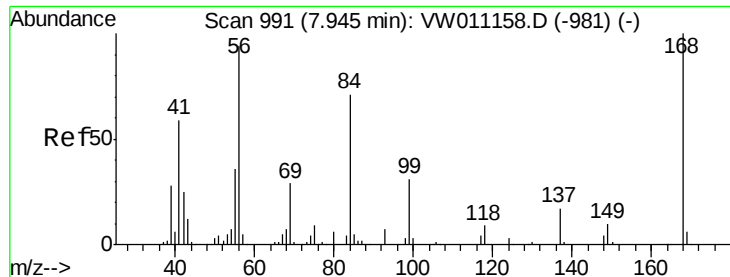
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 11 05:02:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

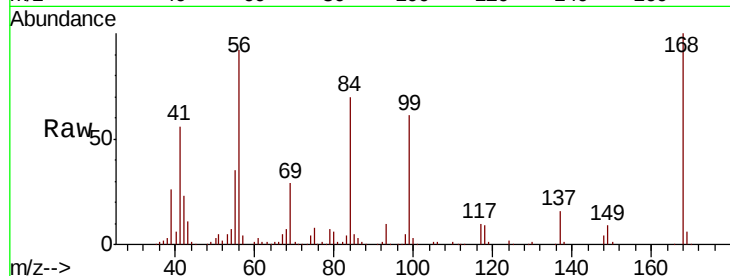
VSTDCCC050EC

Tot Ion:168 Resp: 181388

Ion Ratio Lower Upper

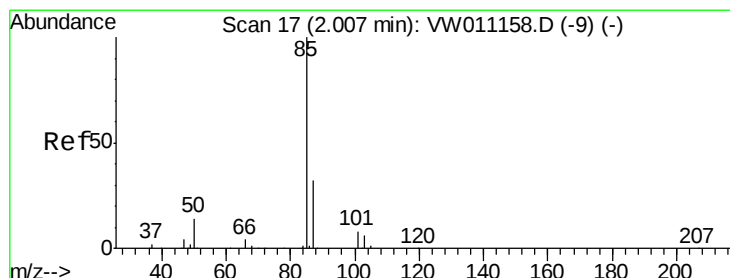
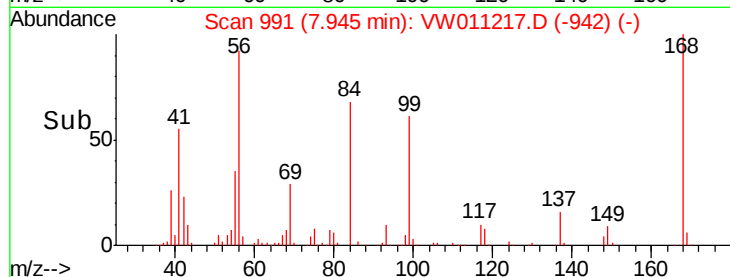
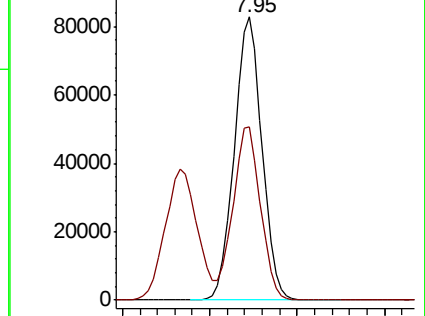
168 100

99 61.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 43.206 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW011217.D

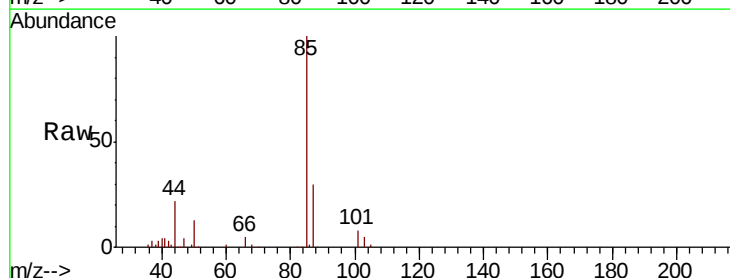
Acq: 11 Jul 2019 04:31

Tgt Ion: 85 Resp: 58449

Ion Ratio Lower Upper

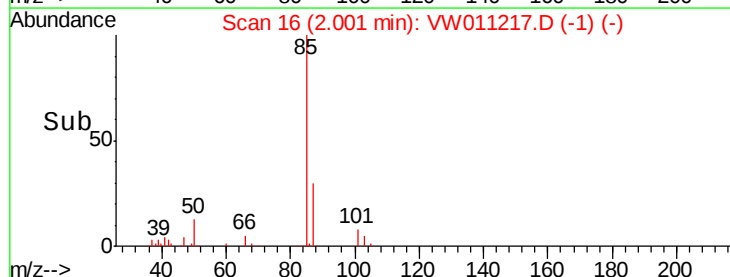
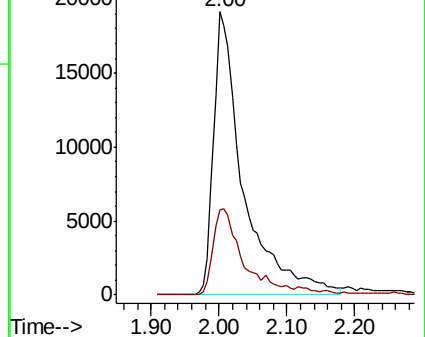
85 100

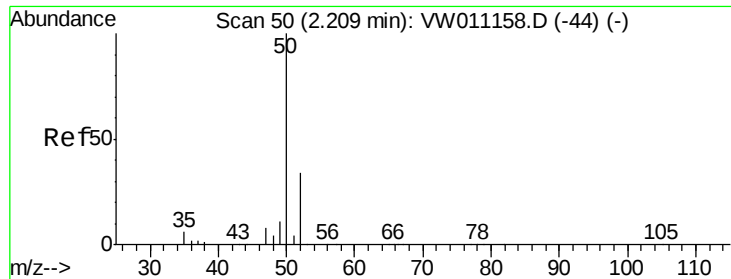
87 29.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 50.839 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

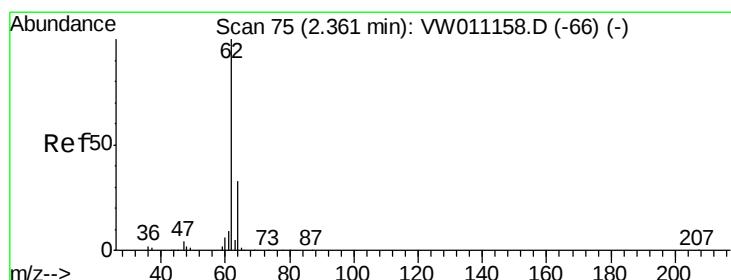
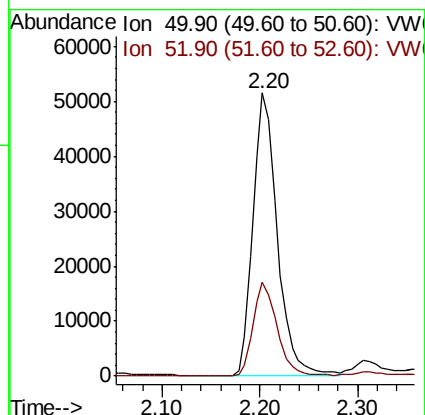
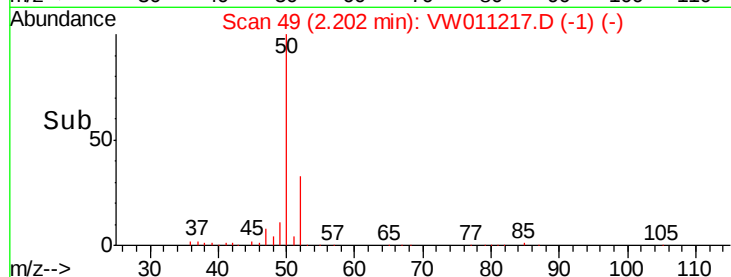
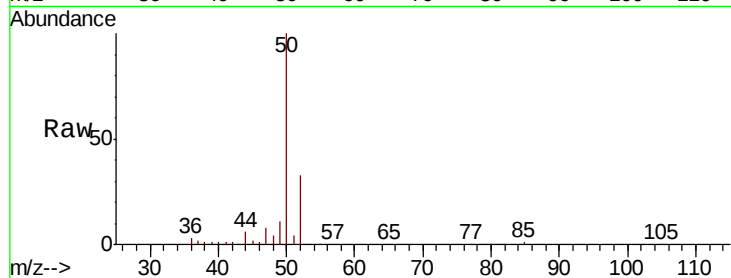
VSTDCCC050EC

Tot Ion: 50 Resp: 88621

Ion Ratio Lower Upper

50 100

52 33.3 26.9 40.3



#4

Vinyl Chloride

Concen: 48.243 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011217.D

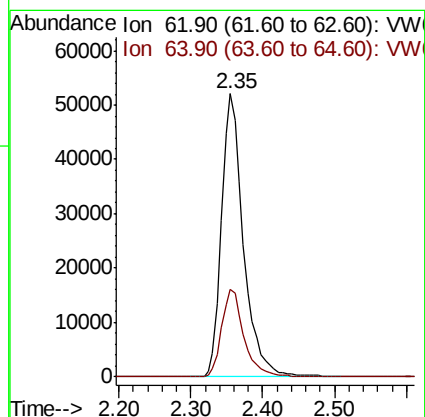
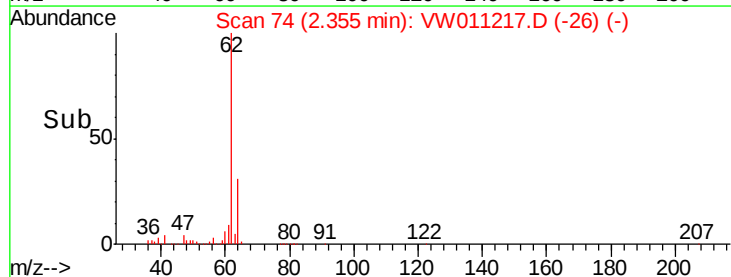
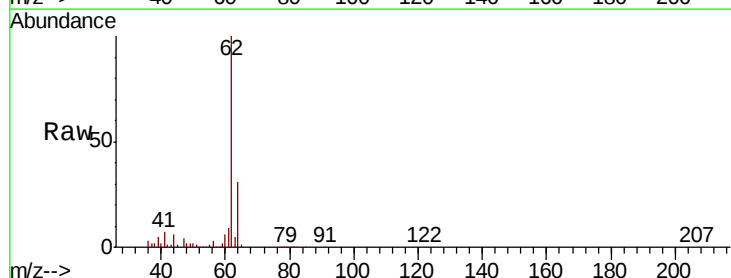
Acq: 11 Jul 2019 04:31

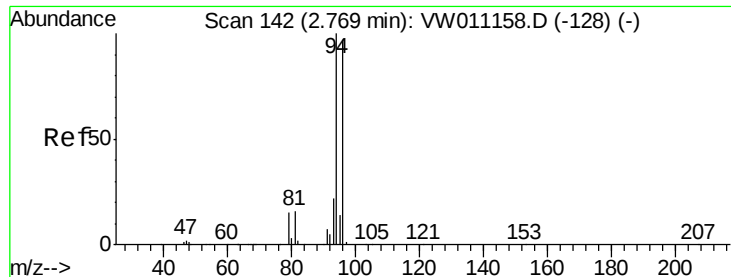
Tgt Ion: 62 Resp: 110070

Ion Ratio Lower Upper

62 100

64 30.8 26.6 40.0





#5

Bromomethane

Concen: 52.495 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

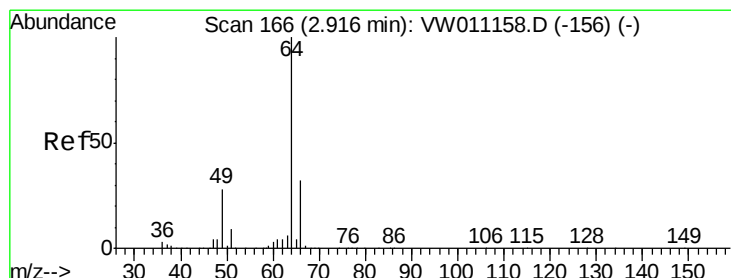
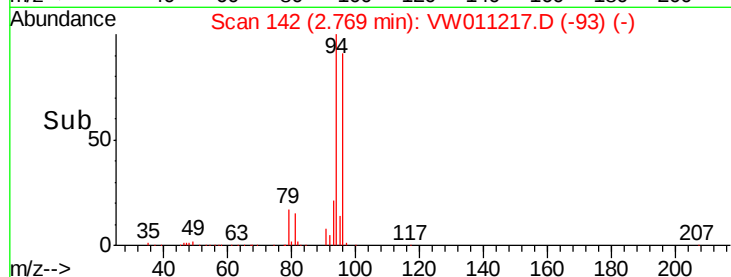
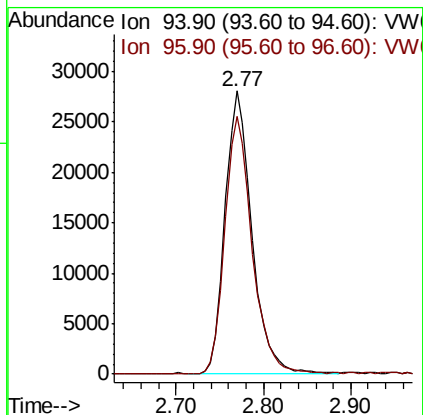
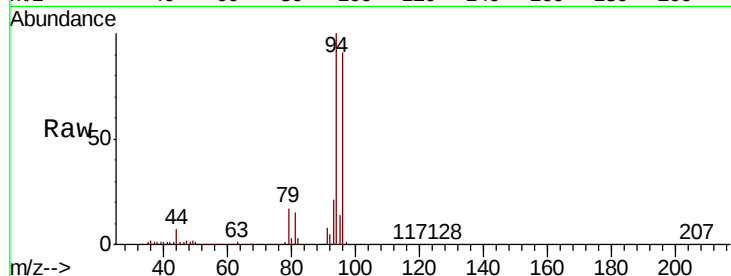
VSTDCCC050EC

Tot Ion: 94 Resp: 60184

Ion Ratio Lower Upper

94 100

96 91.0 77.4 116.0



#6

Chloroethane

Concen: 52.109 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011217.D

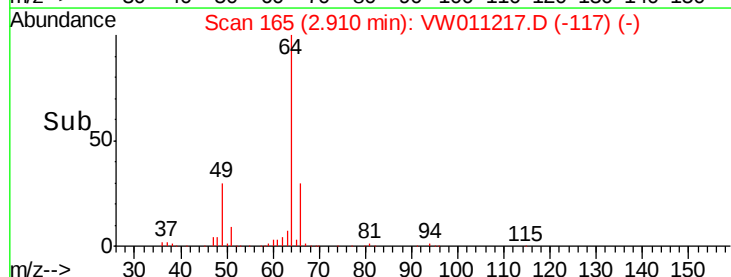
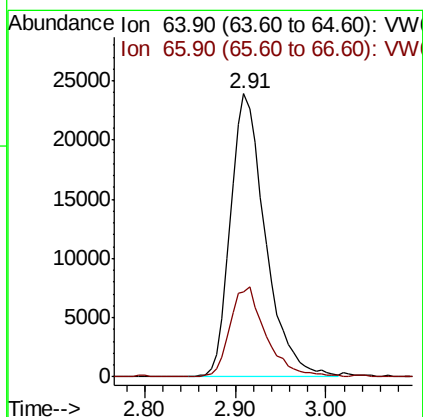
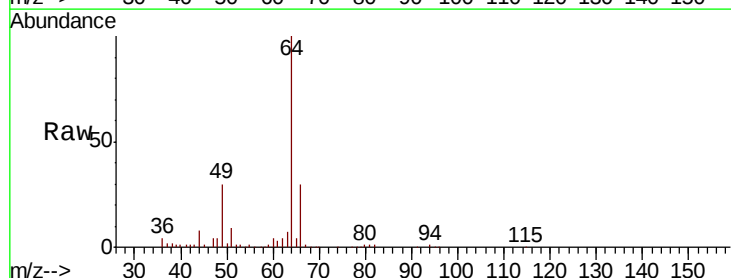
Acq: 11 Jul 2019 04:31

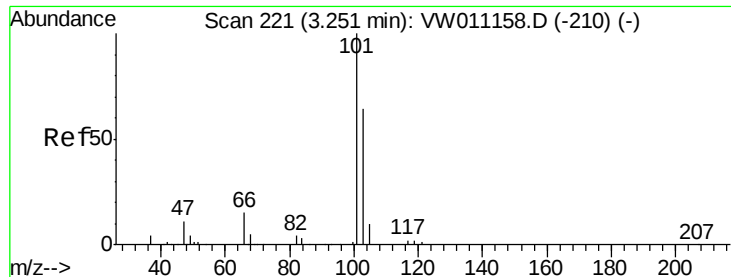
Tgt Ion: 64 Resp: 64036

Ion Ratio Lower Upper

64 100

66 30.1 25.8 38.8





#7

Trichlorofluoromethane

Concen: 40.802 ug/l

RT: 3.24 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

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ClientSampleId :

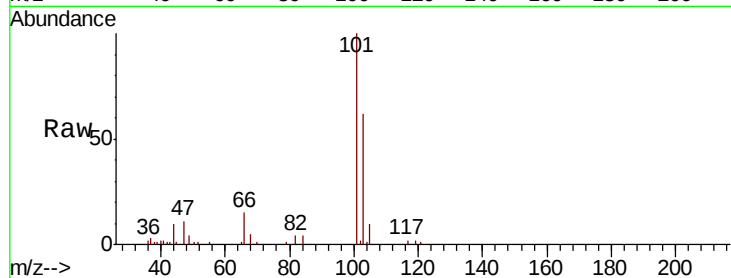
VSTDCCC050EC

Tot Ion:101 Resp: 33071

Ion Ratio Lower Upper

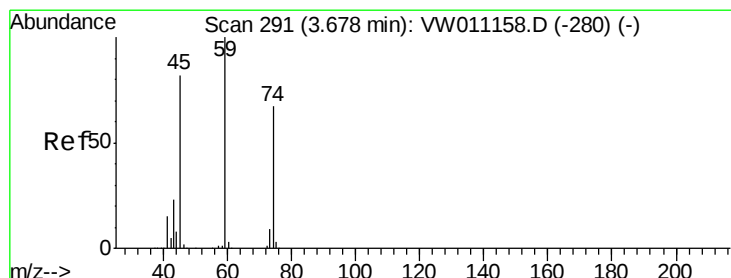
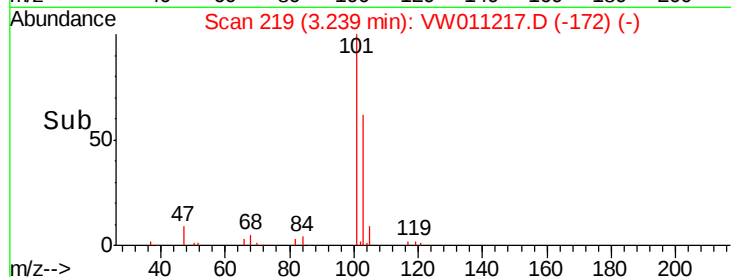
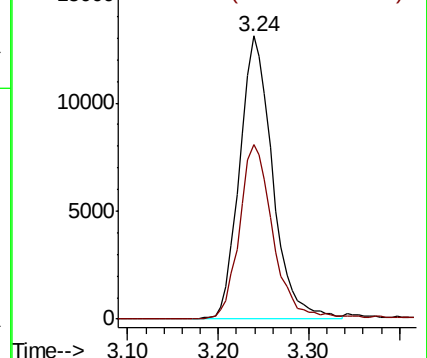
101 100

103 61.9 51.3 76.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 59.288 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW011217.D

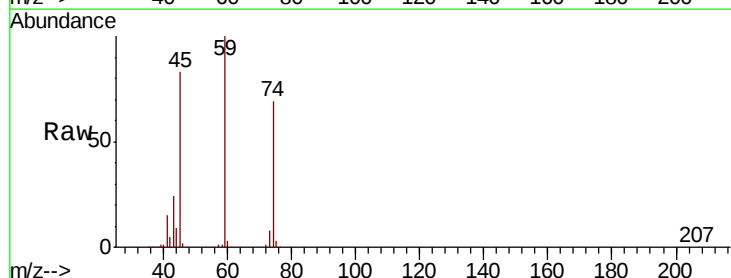
Acq: 11 Jul 2019 04:31

Tgt Ion: 74 Resp: 66490

Ion Ratio Lower Upper

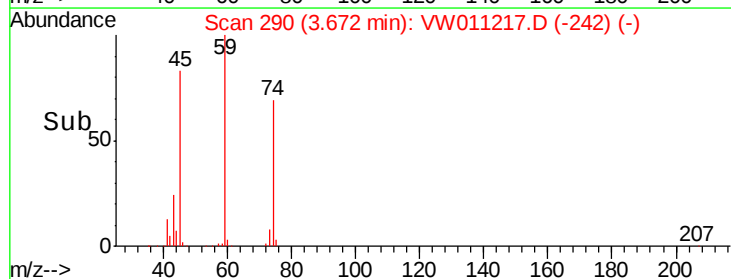
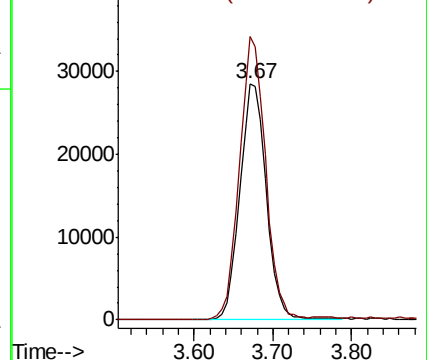
74 100

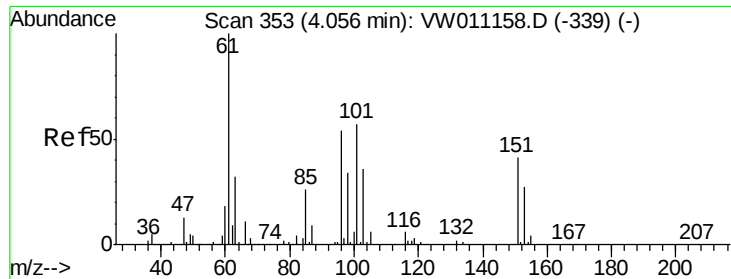
45 117.6 59.9 179.7



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.960 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

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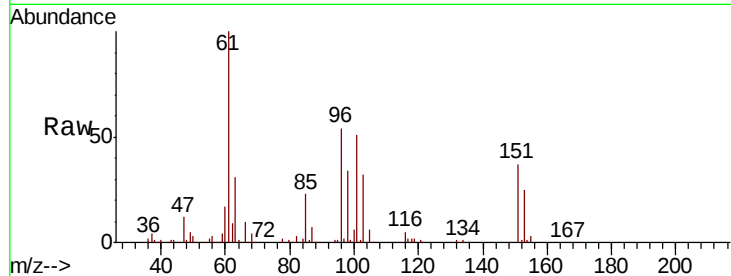
Tot Ion:101 Resp: 95054

Ion Ratio Lower Upper

101 100

85 45.5 36.5 54.7

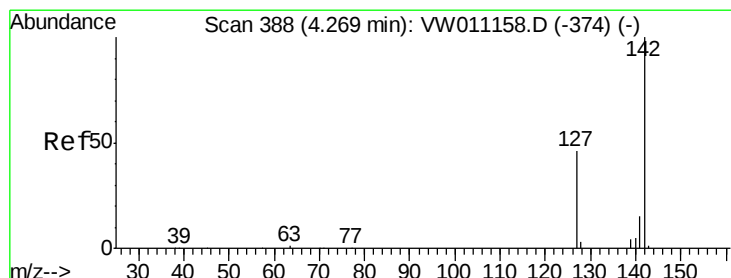
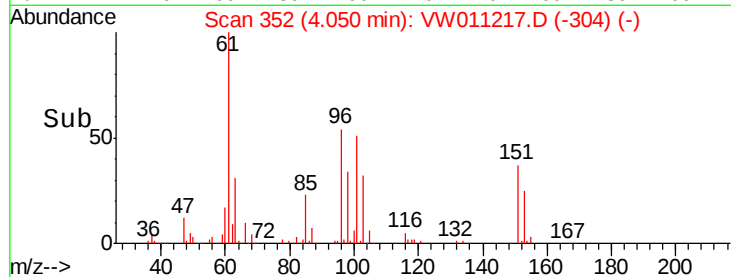
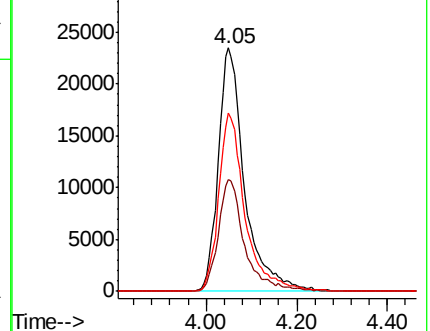
151 73.2 59.1 88.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 57.141 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

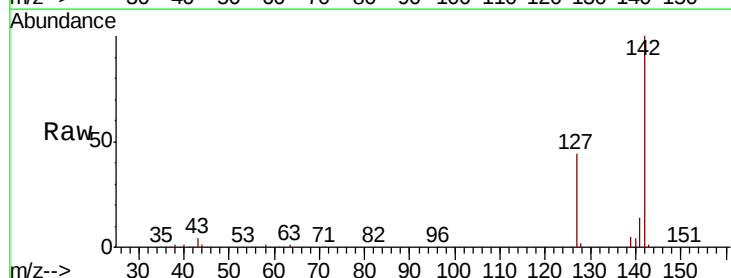
Tgt Ion:142 Resp: 152579

Ion Ratio Lower Upper

142 100

127 44.2 35.7 53.5

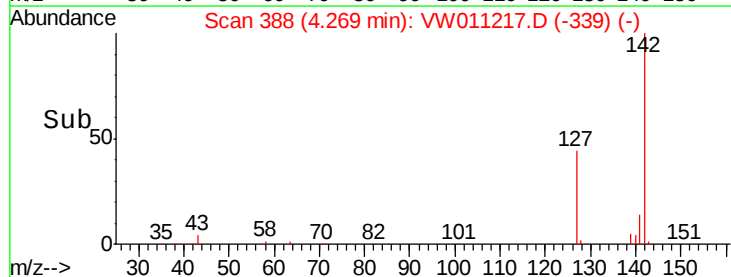
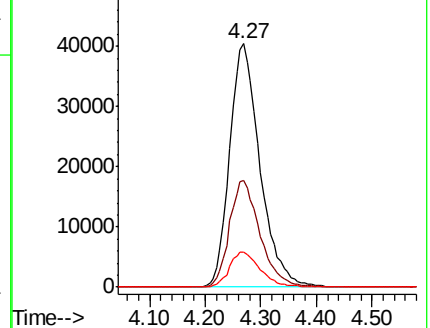
141 14.7 11.5 17.3

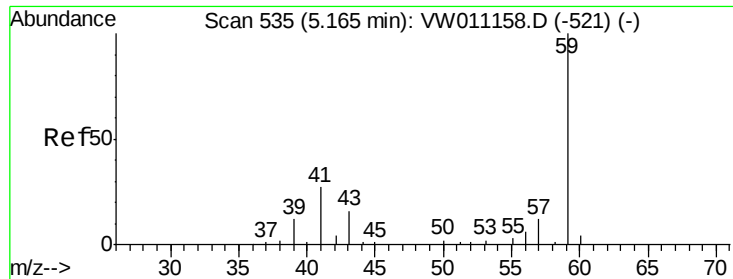


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



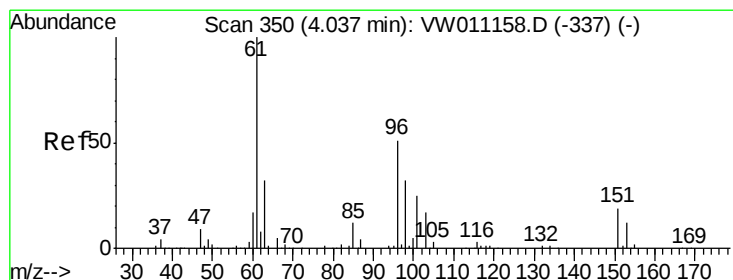
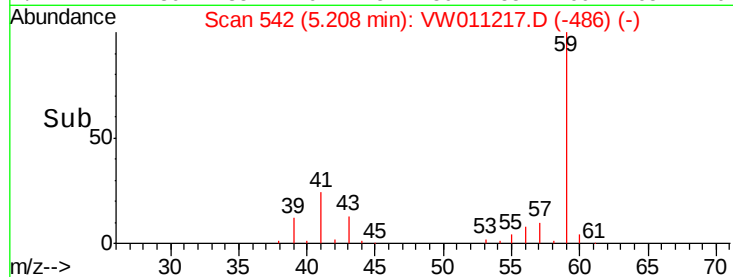
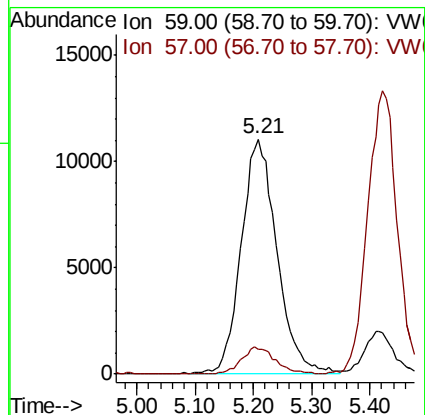
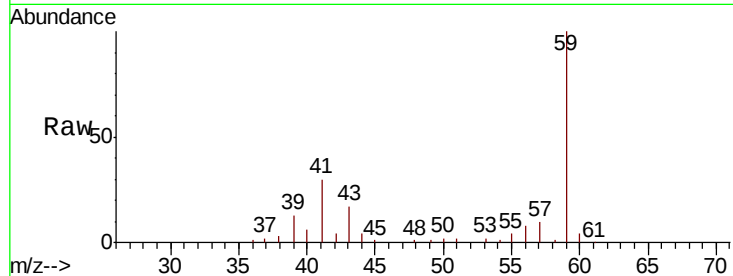


#11

Tert butyl alcohol
 Concen: 279.647 ug/l
 RT: 5.21 min Scan# 542
 Delta R.T. 0.04 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

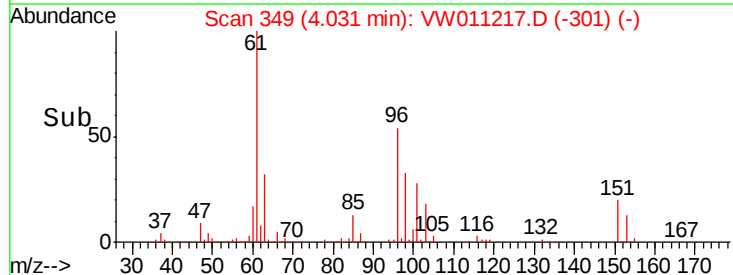
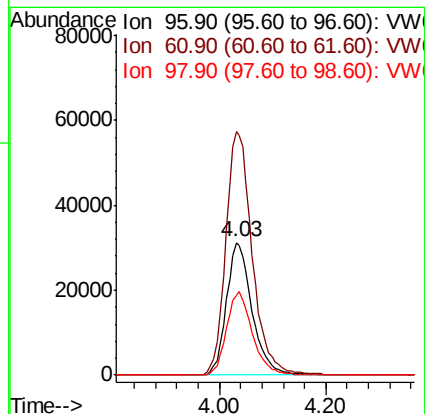
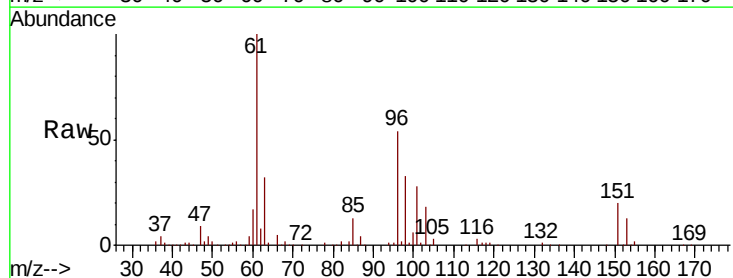
Tot Ion: 59 Resp: 47189
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.0 13.6

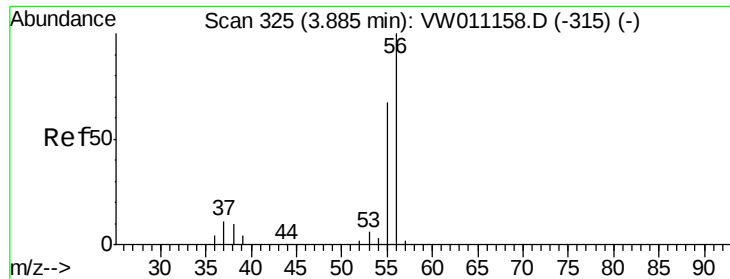


#12

1,1-Dichloroethene
 Concen: 52.080 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 96 Resp: 104943
 Ion Ratio Lower Upper
 96 100
 61 184.1 157.7 236.5
 98 60.1 50.9 76.3





#13

Acrolein

Concen: 266.822 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

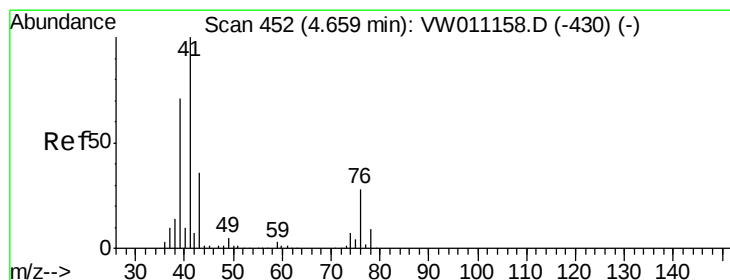
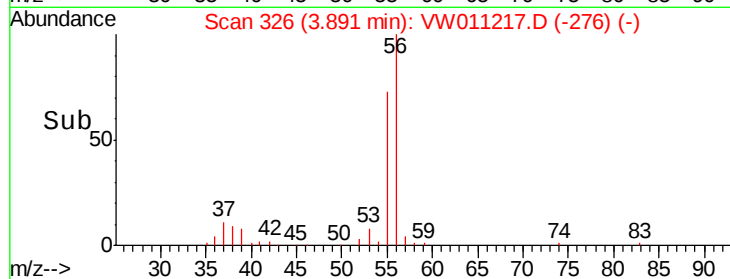
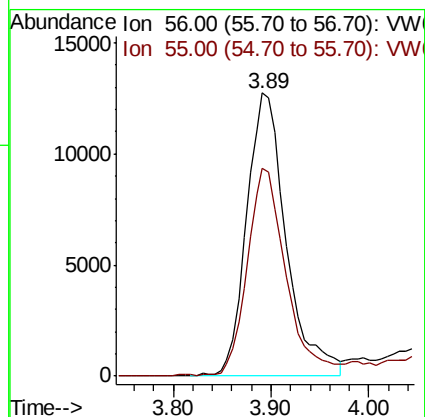
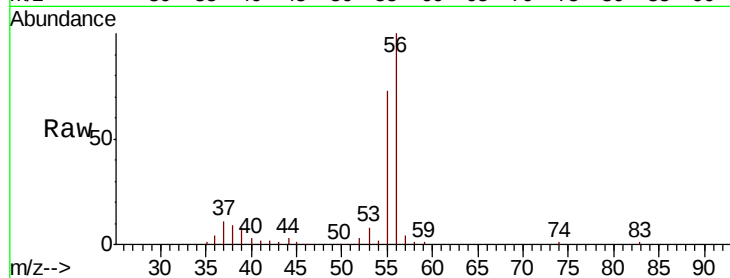
VSTDCCC050EC

Tot Ion: 56 Resp: 35853

Ion Ratio Lower Upper

56 100

55 71.2 56.4 84.6



#14

Allyl chloride

Concen: 46.251 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

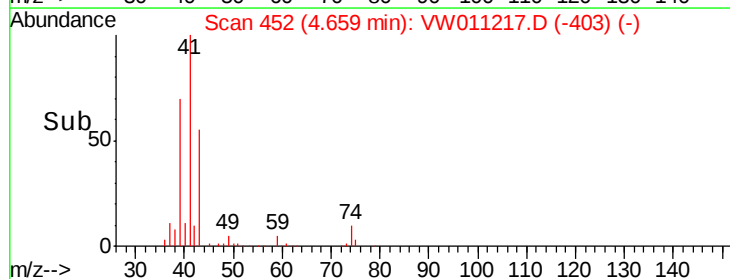
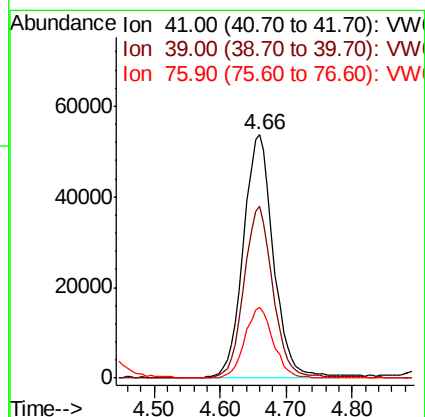
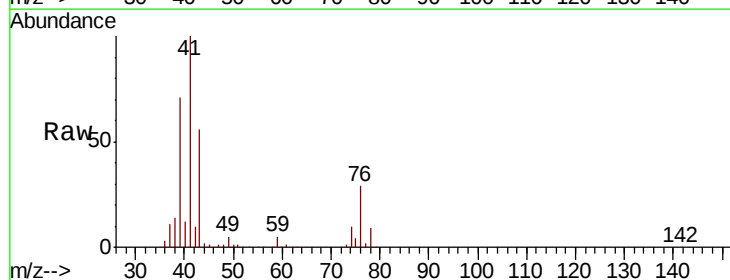
Tgt Ion: 41 Resp: 169949

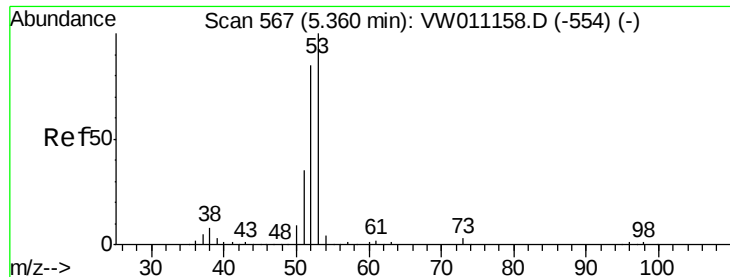
Ion Ratio Lower Upper

41 100

39 67.8 55.1 82.7

76 26.9 22.5 33.7





#15

Acrylonitrile

Concen: 295.442 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

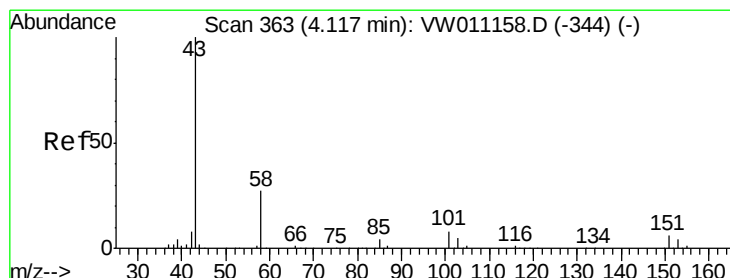
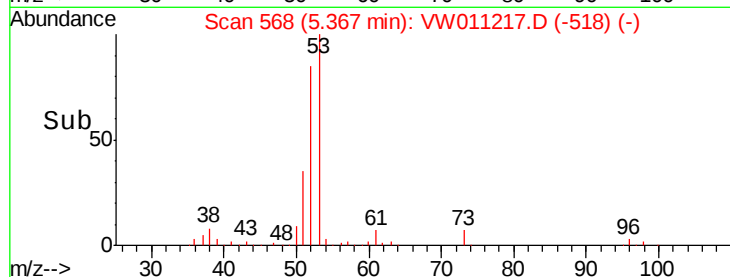
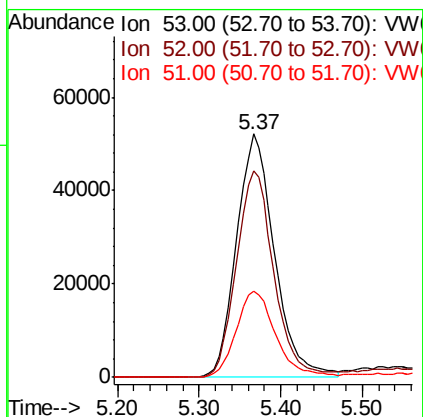
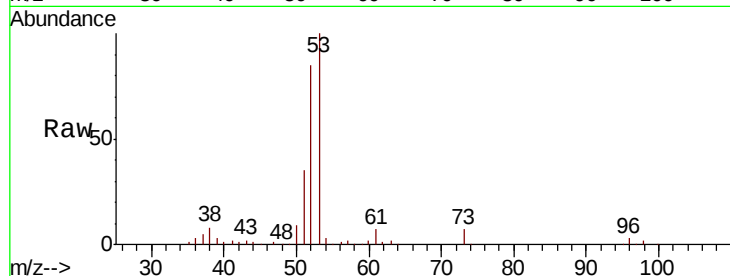
Tot Ion: 53 Resp: 168744

Ion Ratio Lower Upper

53 100

52 83.3 66.2 99.4

51 36.7 29.1 43.7



#16

Acetone

Concen: 247.528 ug/l

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW011217.D

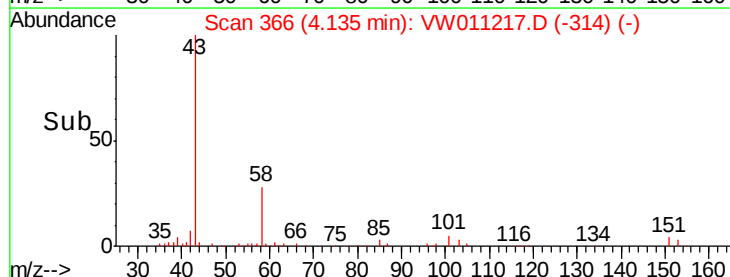
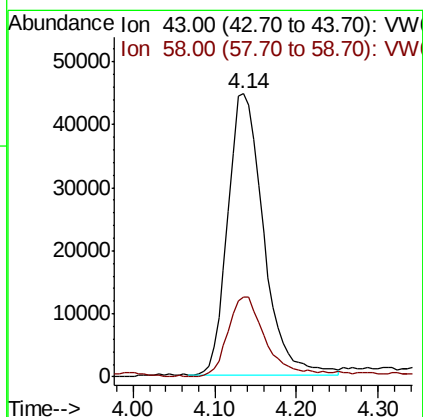
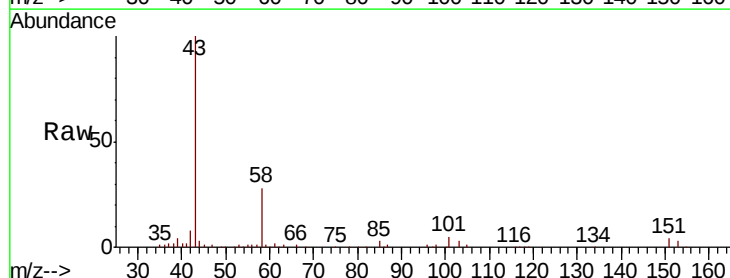
Acq: 11 Jul 2019 04:31

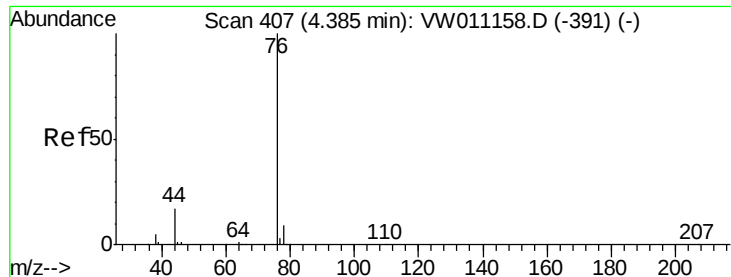
Tgt Ion: 43 Resp: 135745

Ion Ratio Lower Upper

43 100

58 28.3 21.8 32.6

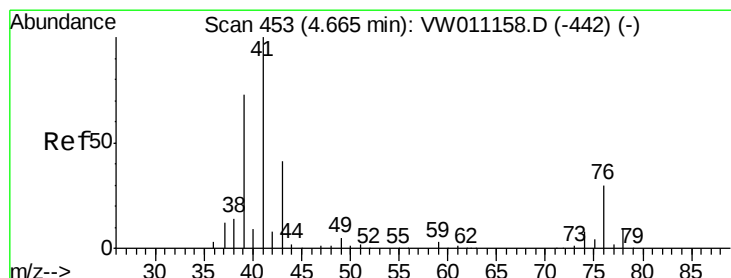
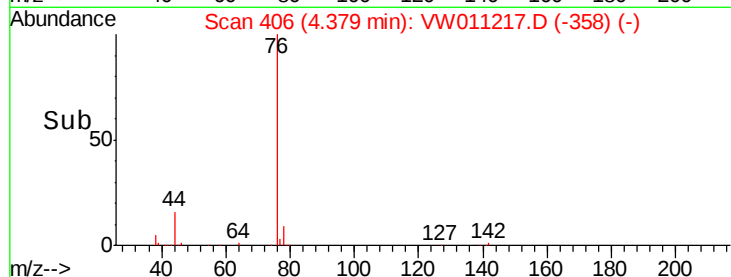
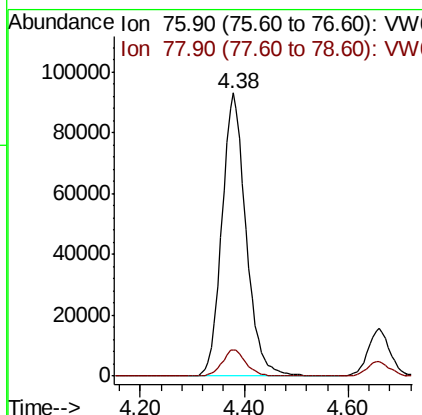
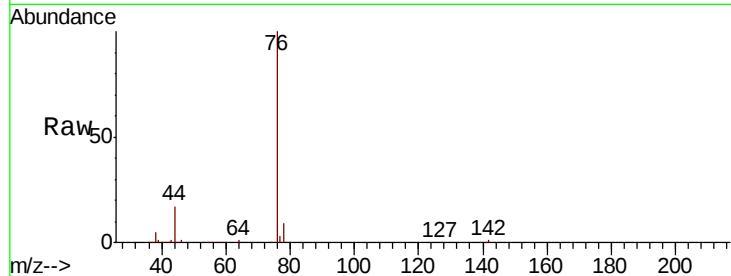




#17
Carbon Disulfide
Concen: 49.456 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

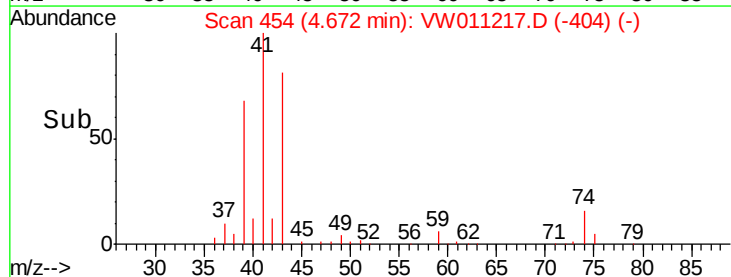
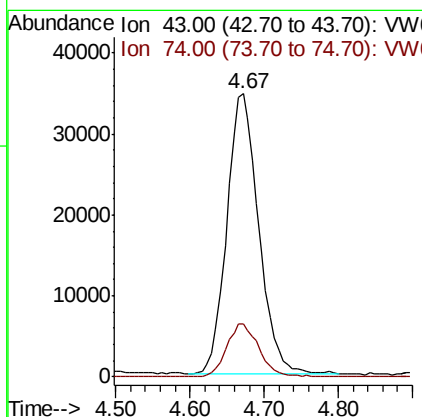
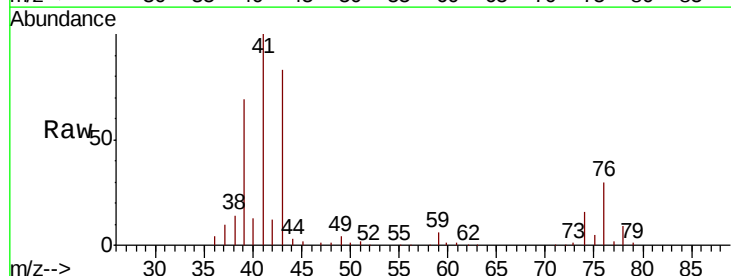
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

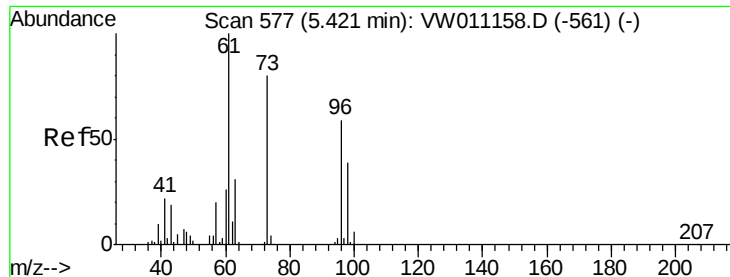
Tot Ion: 76 Resp: 302123
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 60.674 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 43 Resp: 104057
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

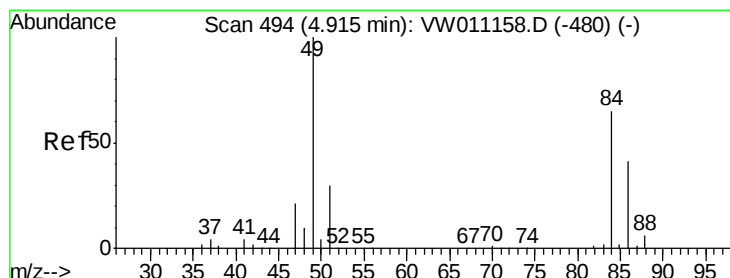
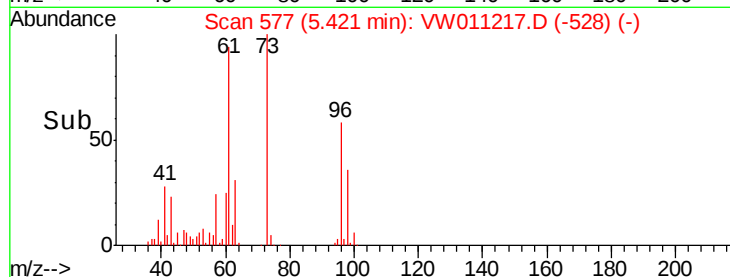
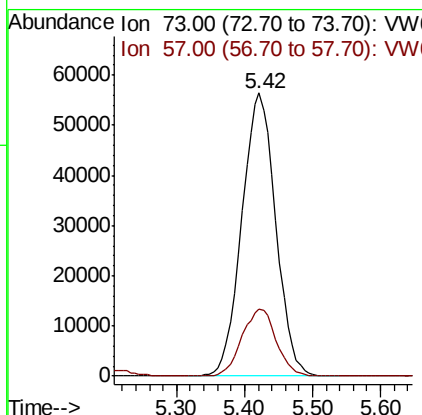
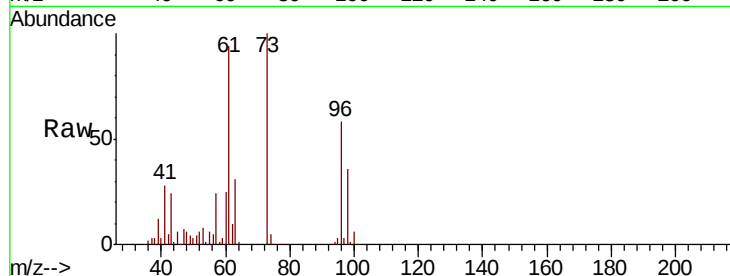




#19
Methyl tert-butyl Ether
Concen: 63.900 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

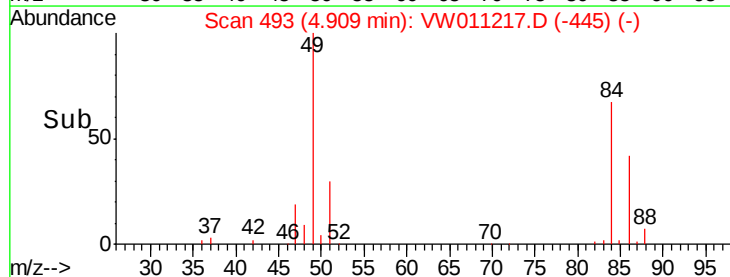
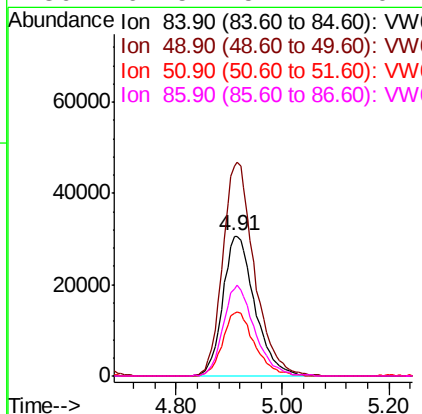
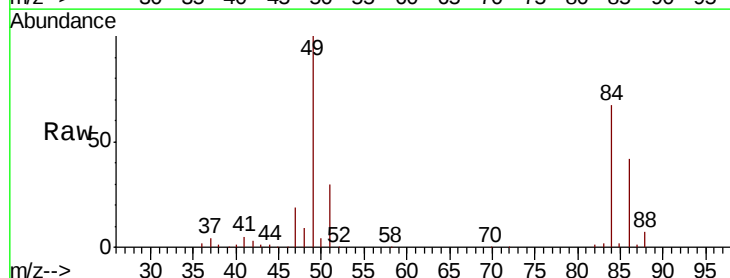
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

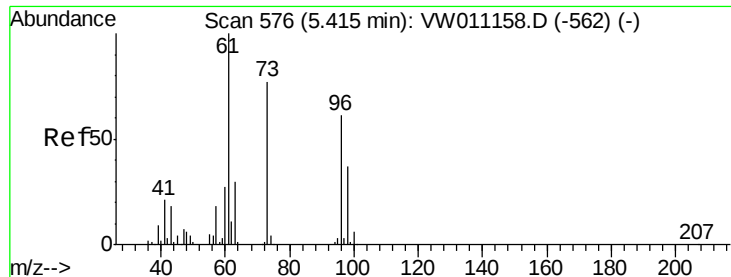
Tot Ion: 73 Resp: 195373
Ion Ratio Lower Upper
73 100
57 23.6 19.7 29.5



#20
Methylene Chloride
Concen: 59.443 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 84 Resp: 128599
Ion Ratio Lower Upper
84 100
49 149.8 123.8 185.6
51 44.5 37.4 56.2
86 62.5 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 55.259 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

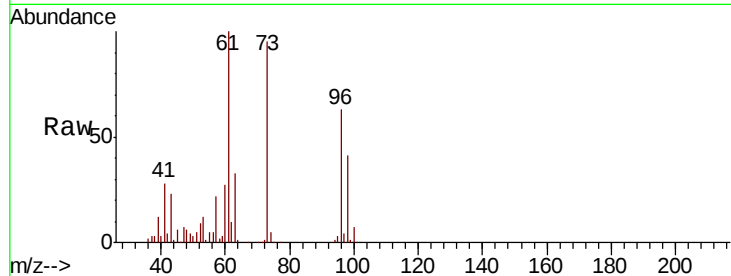
Tot Ion: 96 Resp: 115702

Ion Ratio Lower Upper

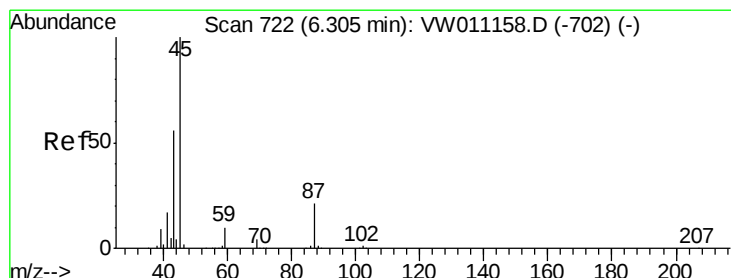
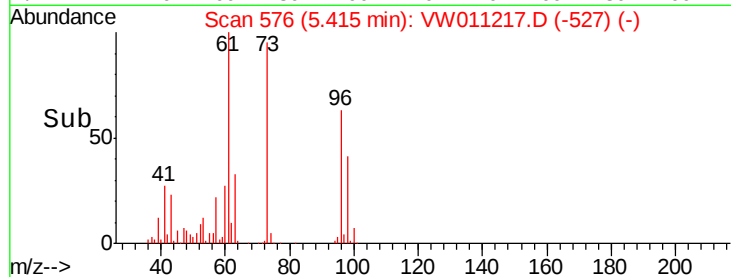
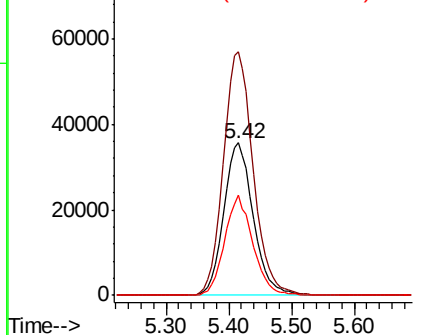
96 100

61 159.7 132.2 198.2

98 66.1 49.4 74.0



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



#22

Diisopropyl ether

Concen: 59.604 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion: 45 Resp: 471060

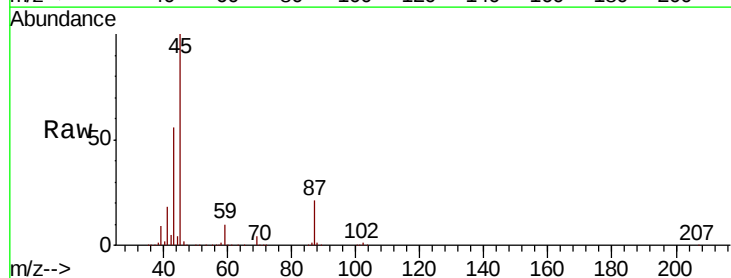
Ion Ratio Lower Upper

45 100

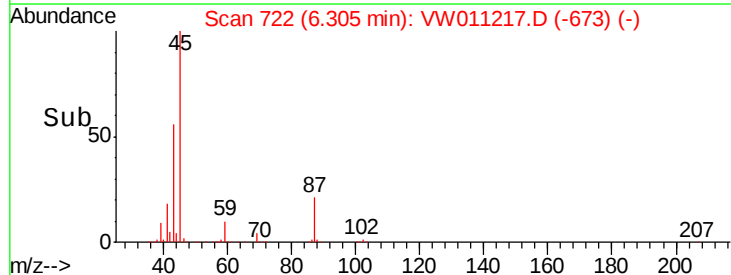
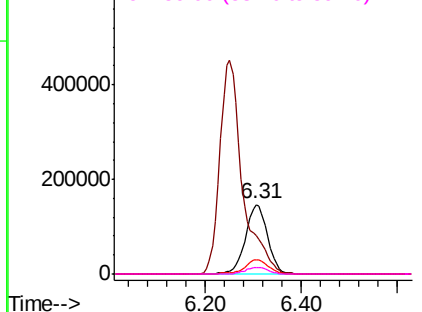
43 55.6 44.6 66.8

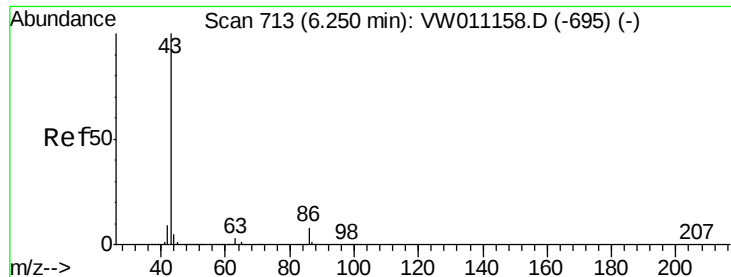
87 20.9 17.3 25.9

59 10.0 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 302.839 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

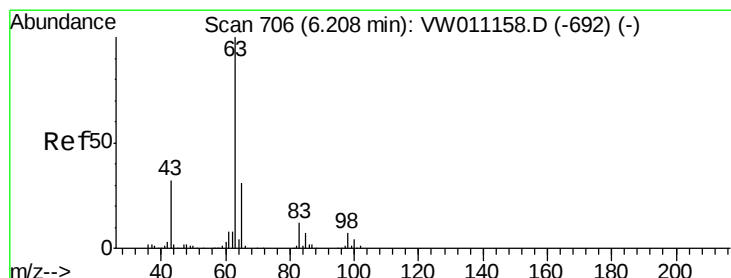
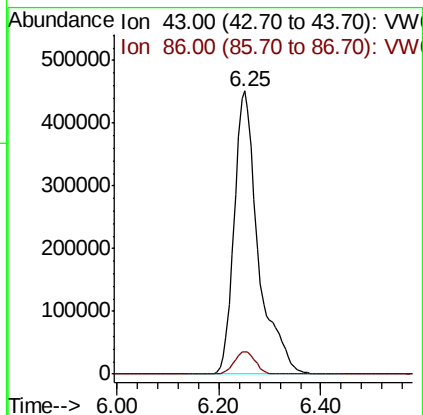
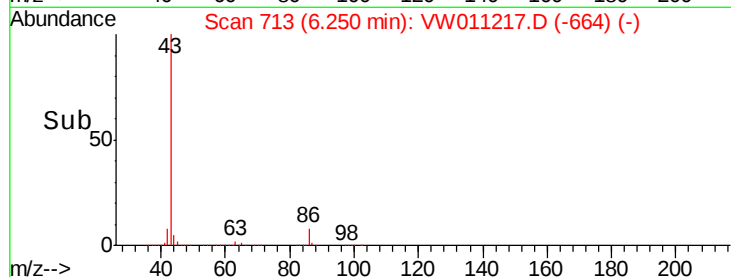
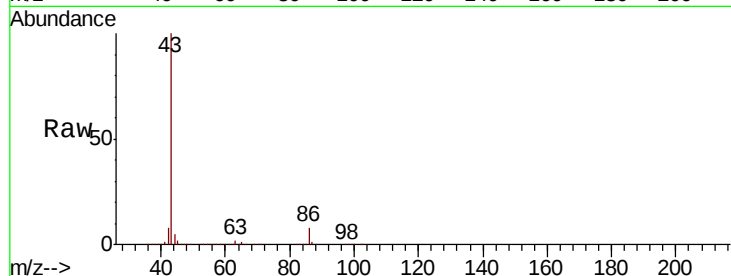
VSTDCCC050EC

Tot Ion: 43 Resp: 1481201

Ion Ratio Lower Upper

43 100

86 8.0 6.5 9.7



#24

1,1-Dichloroethane

Concen: 56.969 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

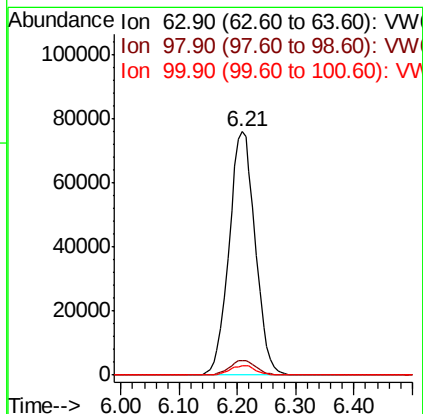
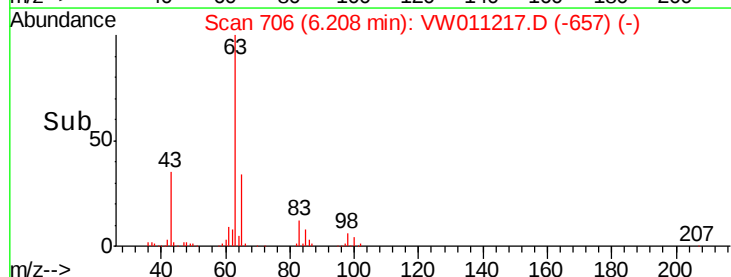
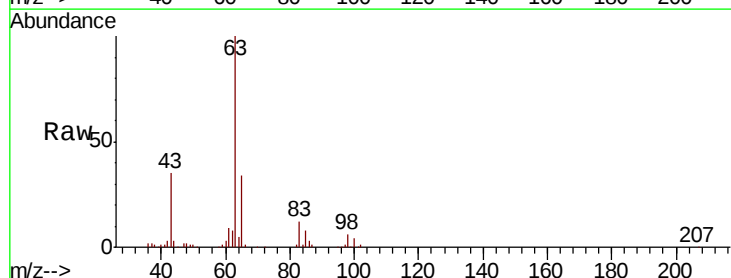
Tgt Ion: 63 Resp: 236427

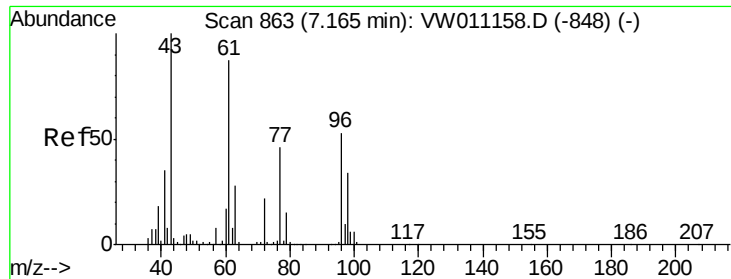
Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 301.721 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

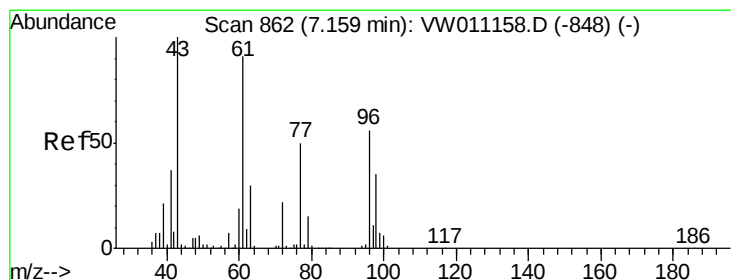
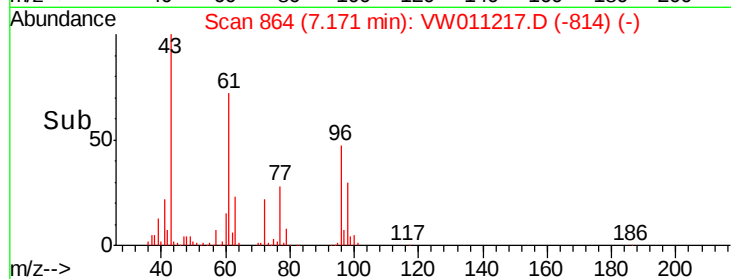
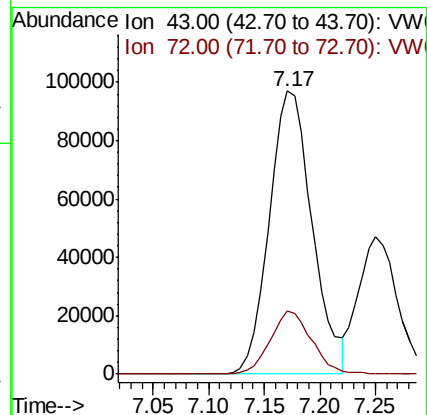
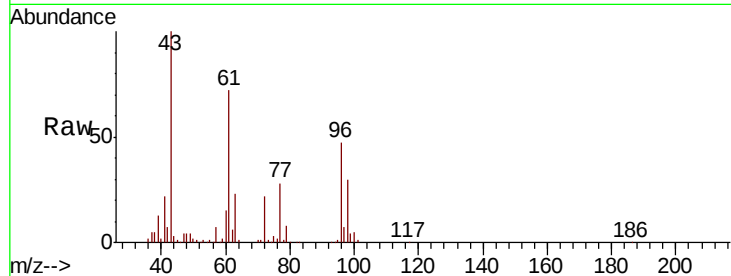
VSTDCCC050EC

Tot Ion: 43 Resp: 259736

Ion Ratio Lower Upper

43 100

72 22.2 17.6 26.4



#26

2,2-Dichloropropane

Concen: 42.787 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011217.D

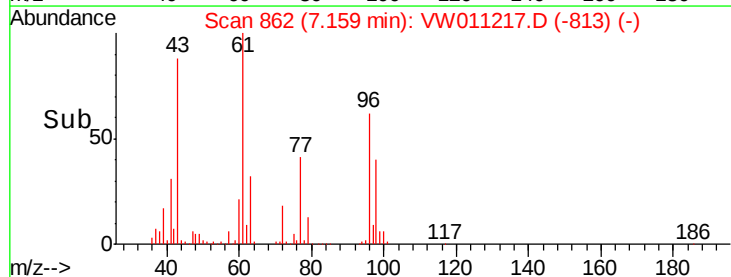
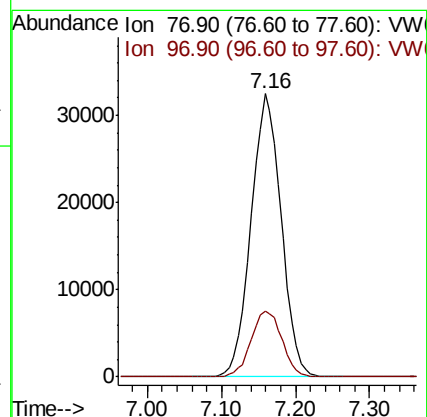
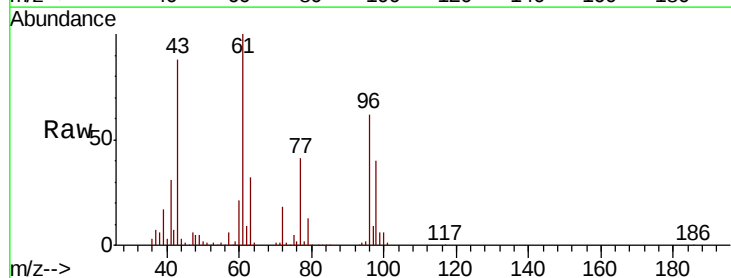
Acq: 11 Jul 2019 04:31

Tgt Ion: 77 Resp: 92302

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5



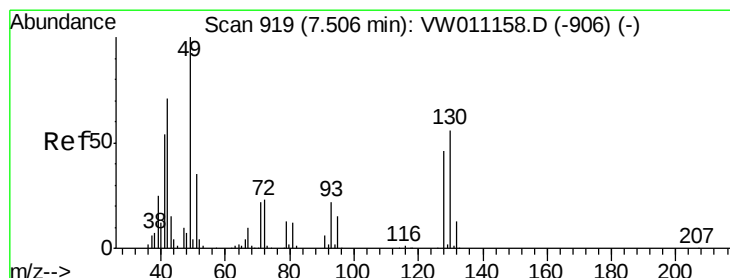
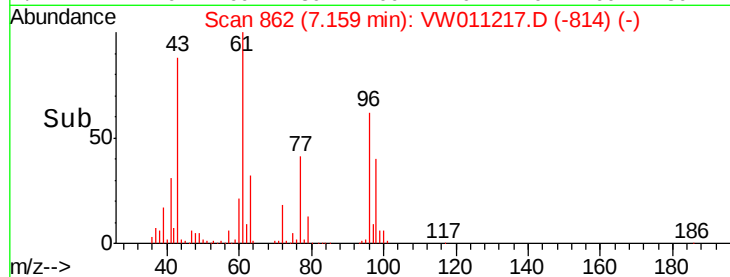
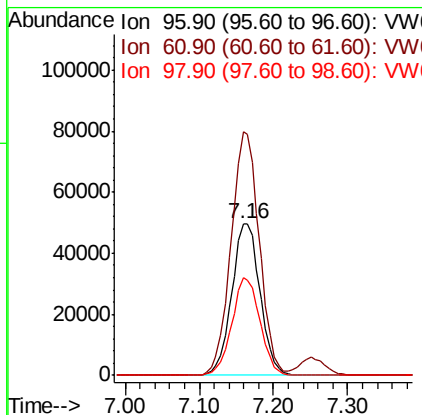
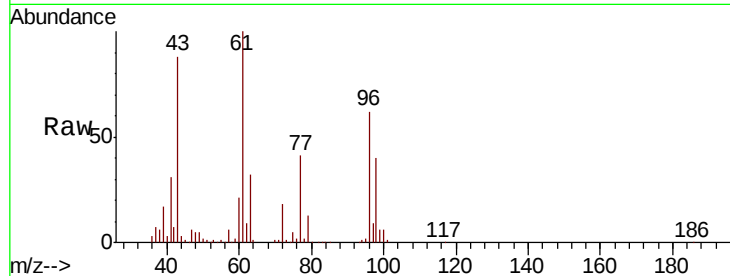


#27

cis-1,2-Dichloroethene
Concen: 58.428 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

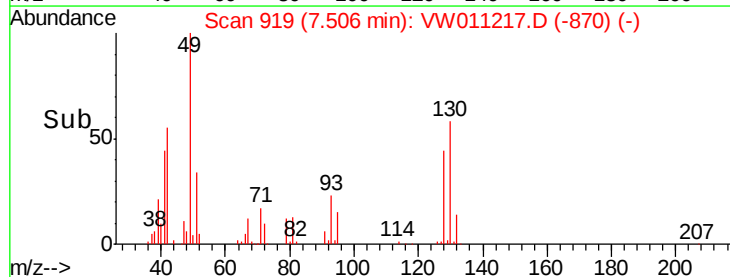
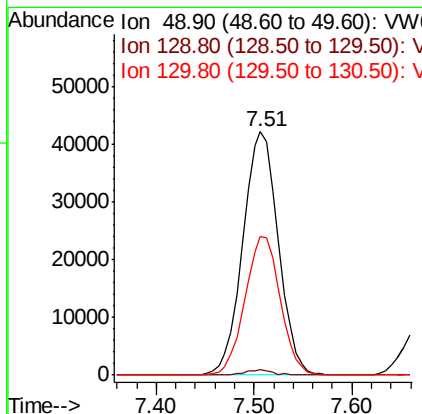
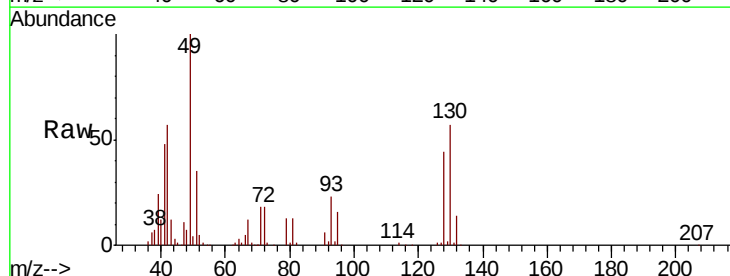
Tot Ion: 96 Resp: 131968
Ion Ratio Lower Upper
96 100
61 160.2 0.0 325.6
98 64.0 0.0 128.2

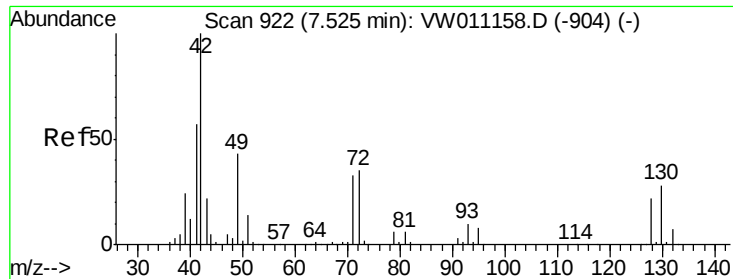


#28

Bromochloromethane
Concen: 56.275 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 49 Resp: 106192
Ion Ratio Lower Upper
49 100
129 1.6 0.0 1.4#
130 56.7 45.8 68.8

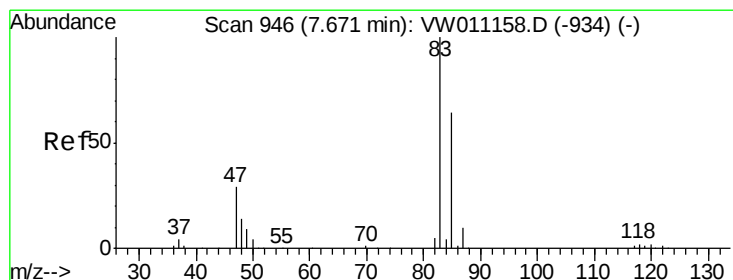
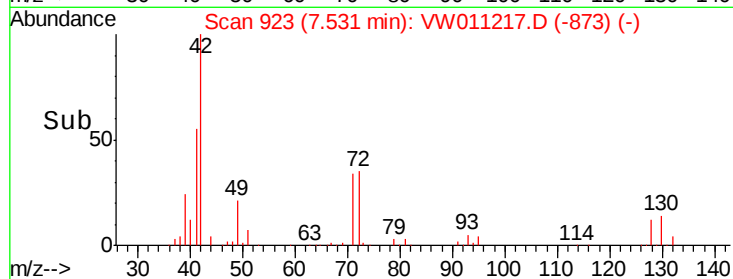
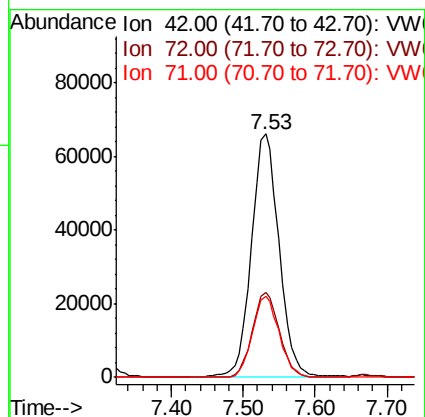
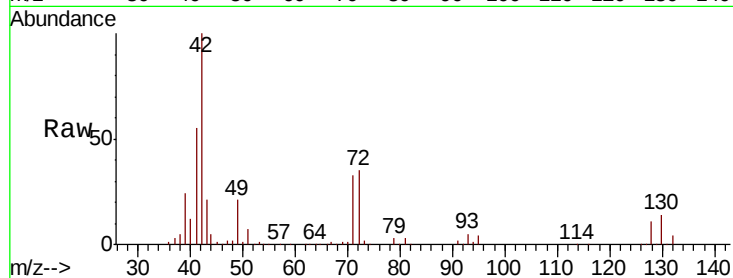




#29
Tetrahydrofuran
Concen: 312.419 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

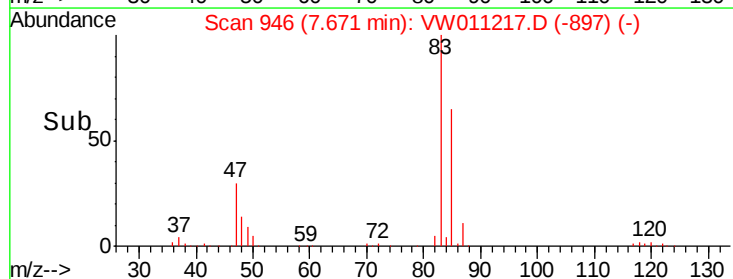
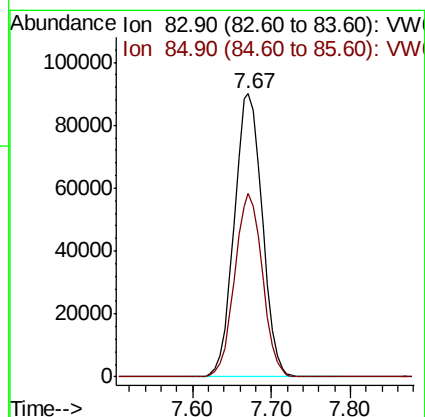
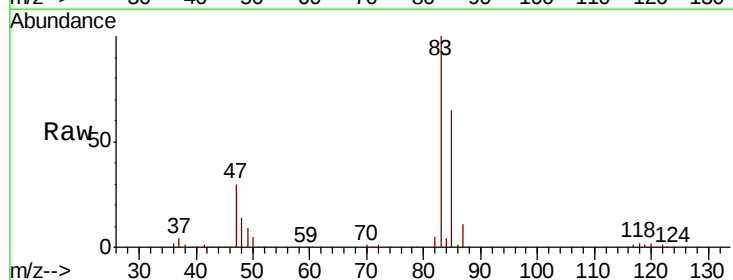
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

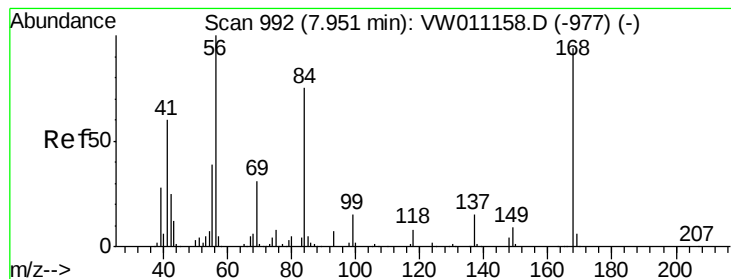
Tot Ion: 42 Resp: 176350
Ion Ratio Lower Upper
42 100
72 34.3 27.4 41.2
71 32.3 25.9 38.9



#30
Chloroform
Concen: 57.809 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 83 Resp: 222182
Ion Ratio Lower Upper
83 100
85 64.9 51.4 77.2





#31

Cyclohexane

Concen: 46.846 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

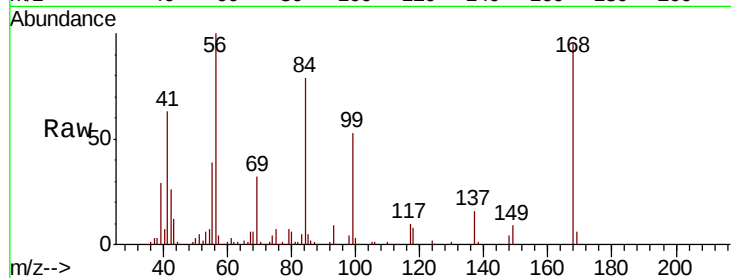
Tot Ion: 56 Resp: 206829

Ion Ratio Lower Upper

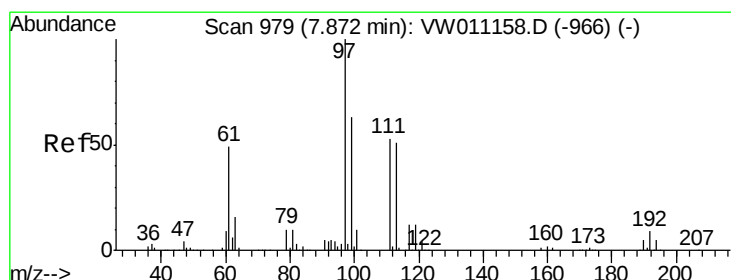
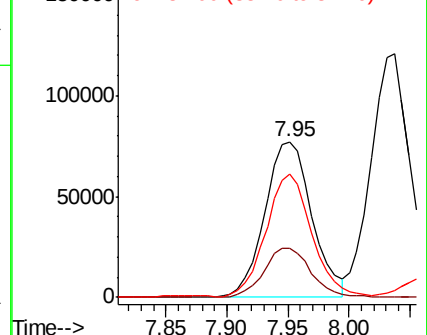
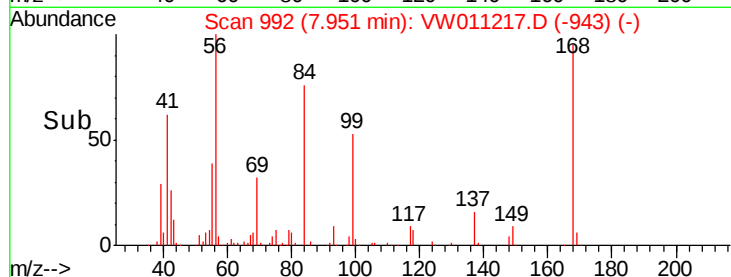
56 100

69 31.7 24.6 36.8

84 77.6 60.1 90.1



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



#32

1,1,1-Trichloroethane

Concen: 53.303 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

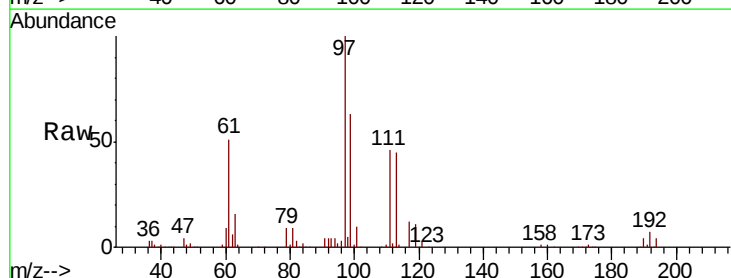
Tgt Ion: 97 Resp: 155840

Ion Ratio Lower Upper

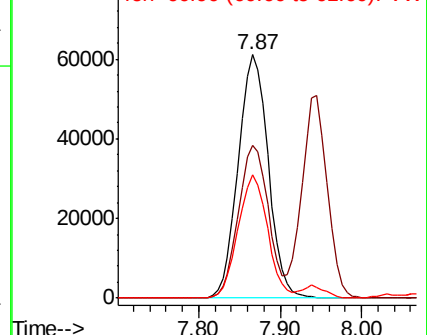
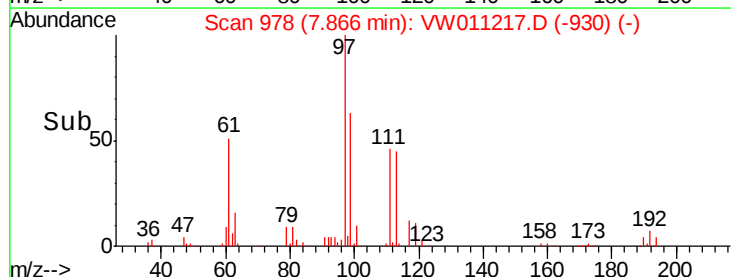
97 100

99 62.3 51.0 76.4

61 49.9 40.4 60.6



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

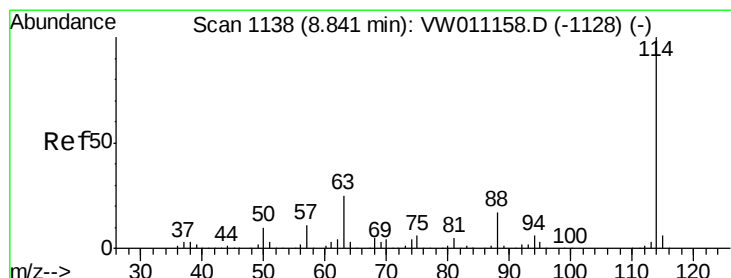
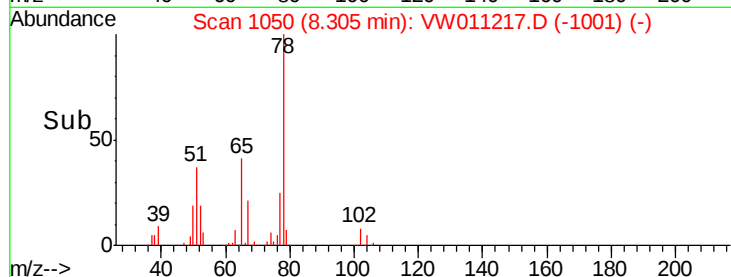
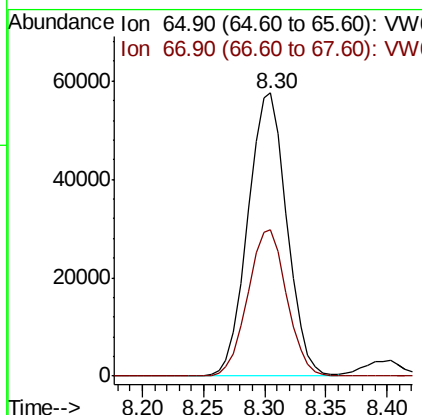
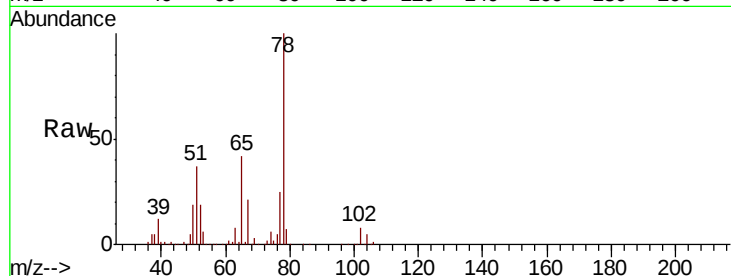




#33
 1,2-Dichloroethane-d4
 Concen: 55.922 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

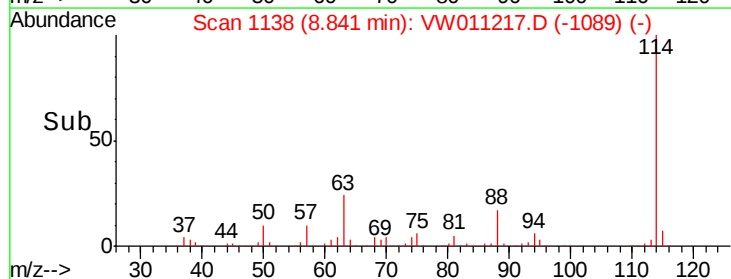
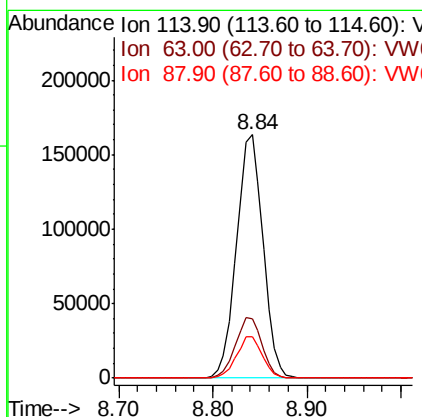
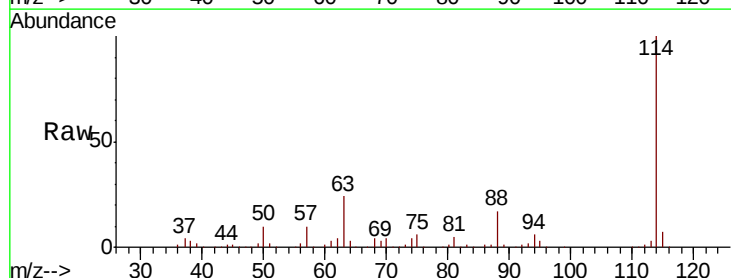
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

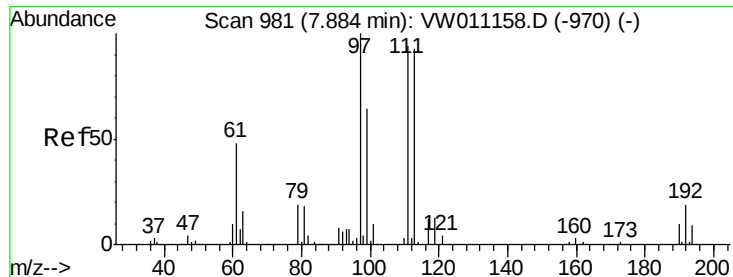
Tot Ion: 65 Resp: 127457
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 114 Resp: 320523
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.8
 88 17.1 0.0 34.2

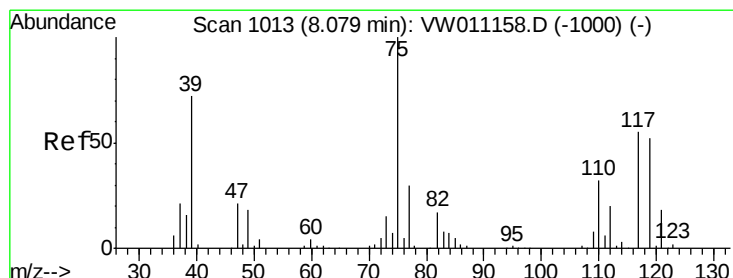
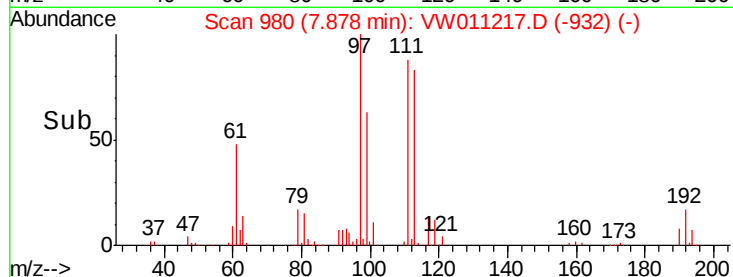
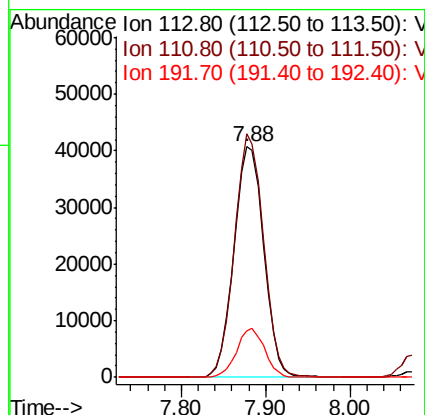
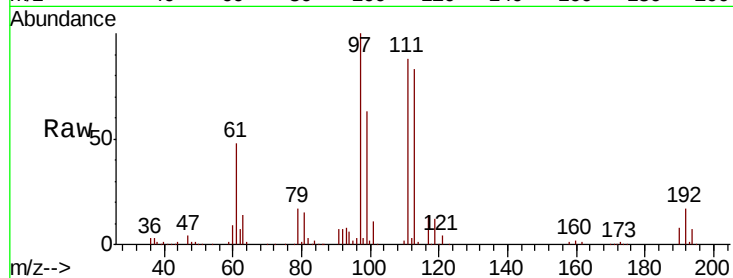




#35
 Dibromofluoromethane
 Concen: 51.038 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

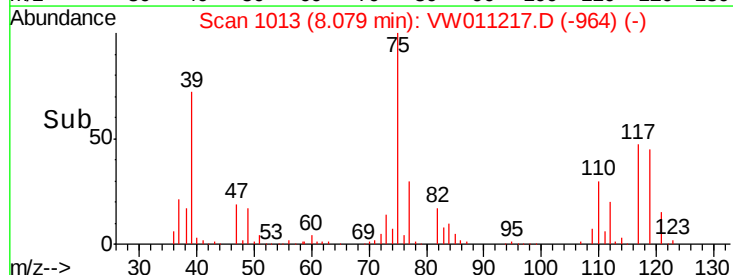
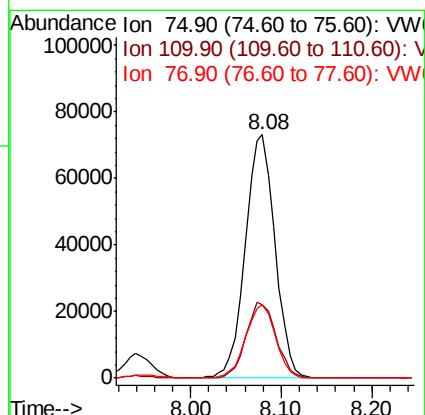
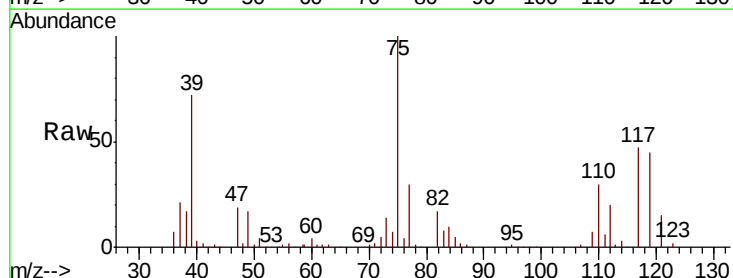
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

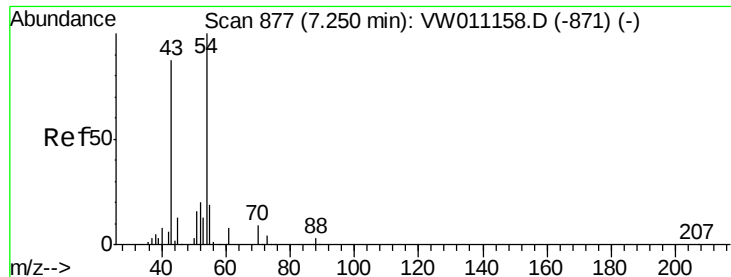
Tot Ion:113 Resp: 97506
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 19.9 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 48.594 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 75 Resp: 165865
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.9 47.6
 77 30.5 24.6 36.8

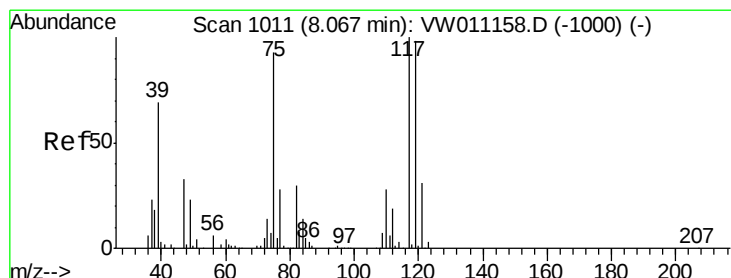
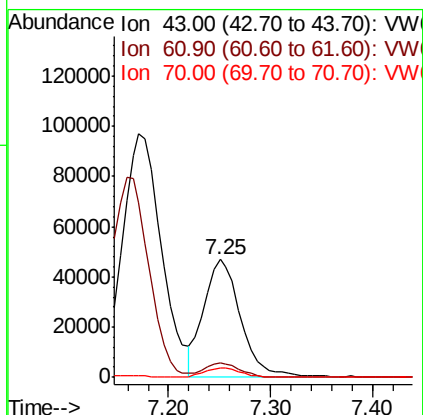
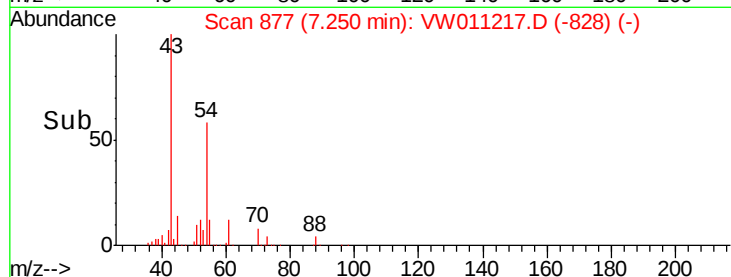
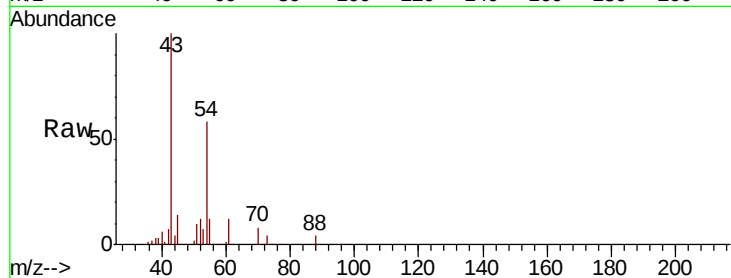




#37
Ethyl Acetate
Concen: 56.986 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

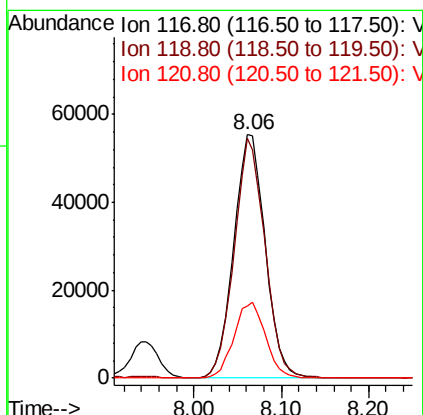
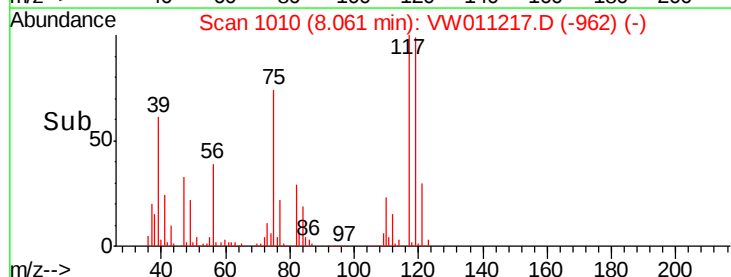
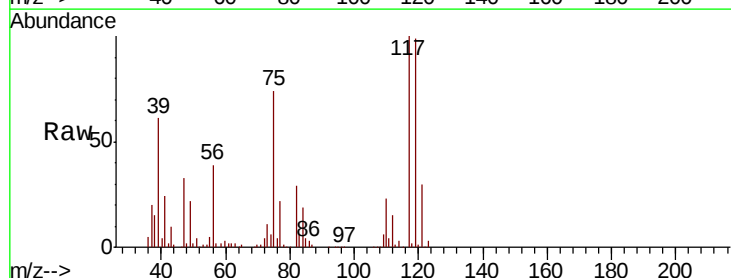
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 116866
Ion Ratio Lower Upper
43 100
61 11.6 9.5 14.3
70 8.4 7.1 10.7



#38
Carbon Tetrachloride
Concen: 47.951 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 117 Resp: 138747
Ion Ratio Lower Upper
117 100
119 98.7 78.1 117.1
121 29.6 25.1 37.7

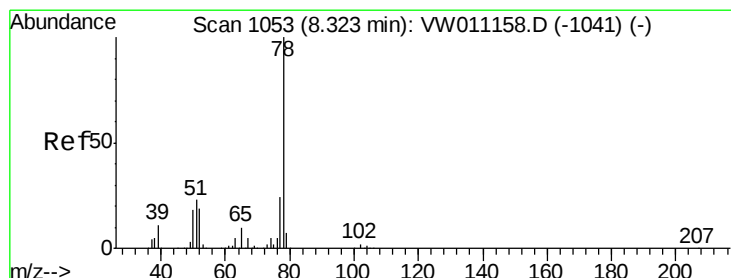
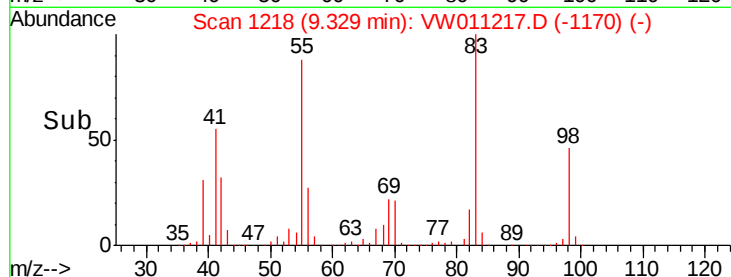
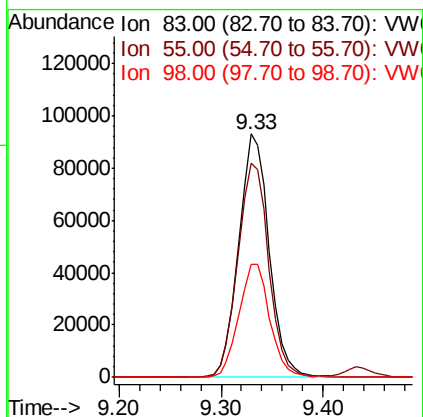
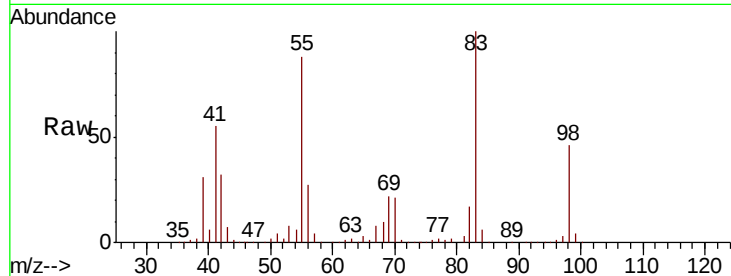




#39
Methvlcvclohexane
Concen: 46.735 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

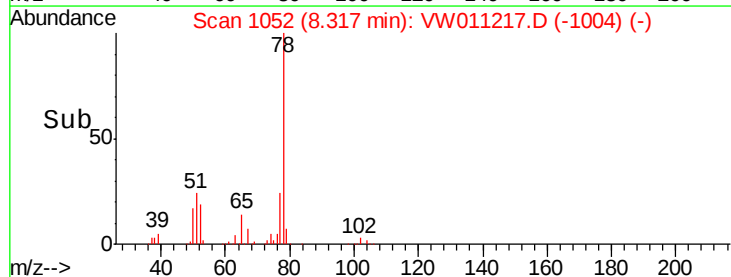
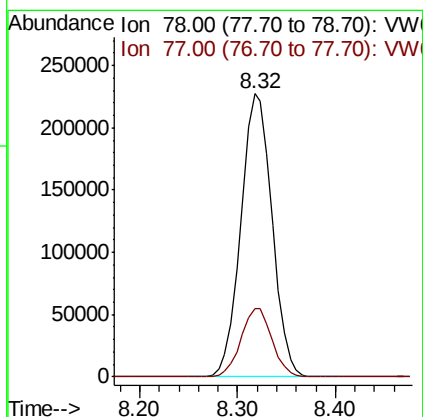
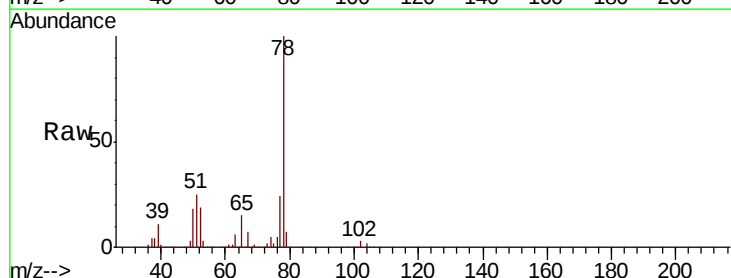
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

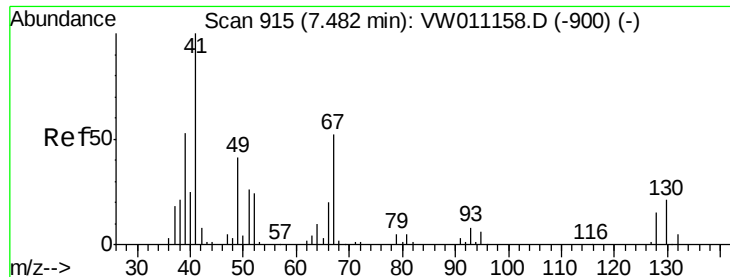
Tot Ion: 83 Resp: 193343
Ion Ratio Lower Upper
83 100
55 87.8 71.2 106.8
98 46.4 37.5 56.3



#40
Benzene
Concen: 53.282 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 78 Resp: 502604
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6

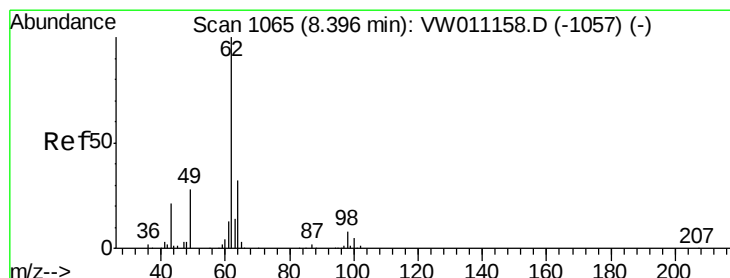
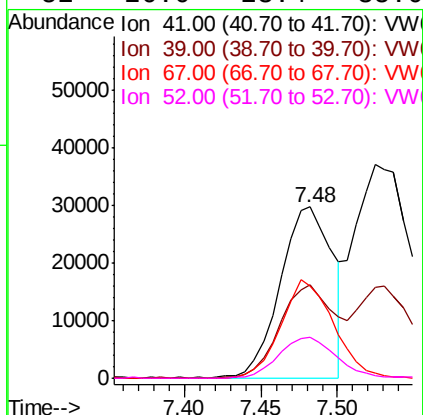
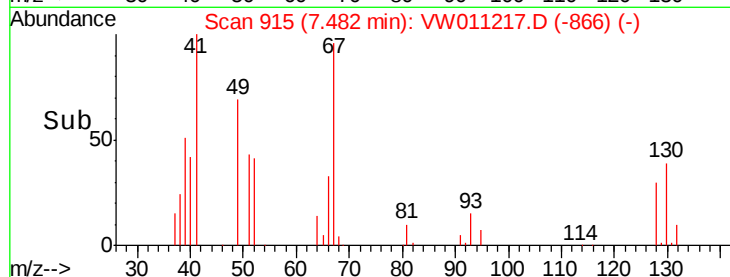
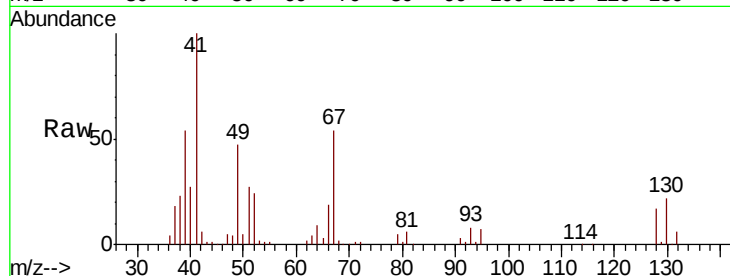




#41
Methacrylonitrile
Concen: 59.860 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

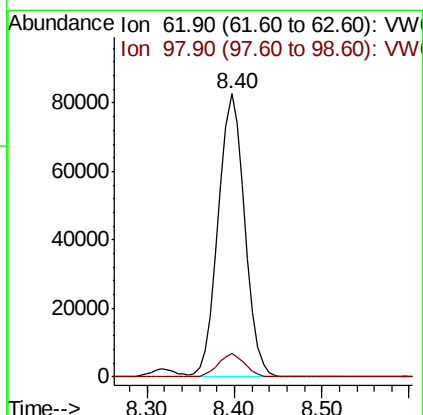
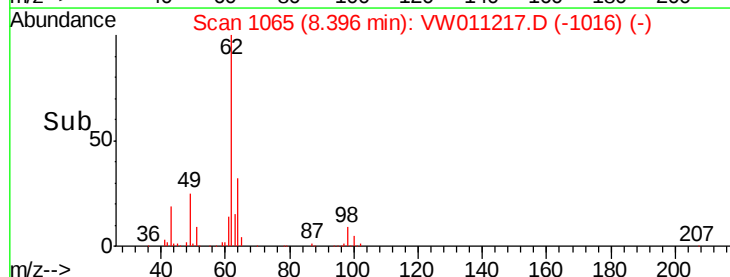
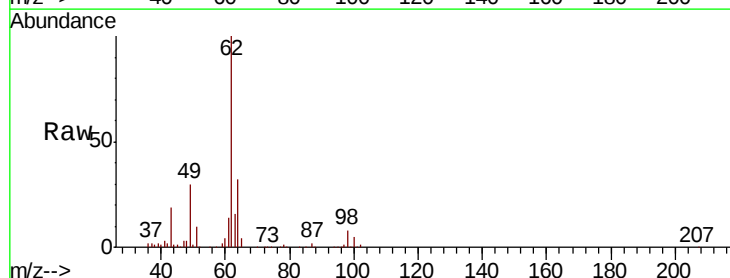
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

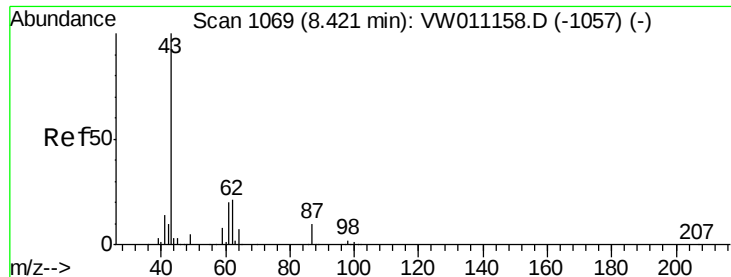
Tot Ion:	41	Resp:	70210
Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.0	72.0
67	58.7	49.7	74.5
52	26.0	23.4	35.0



#42
1,2-Dichloroethane
Concen: 56.933 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:	62	Resp:	174216
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 58.509 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

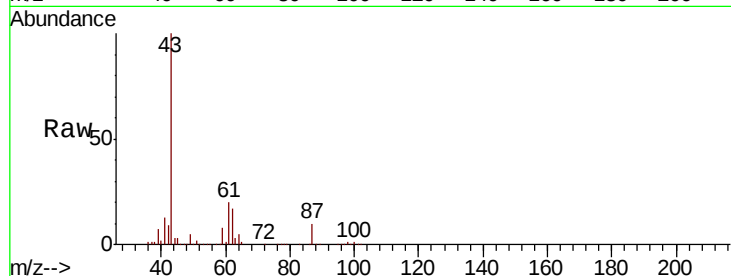
Tot Ion: 43 Resp: 226537

Ion Ratio Lower Upper

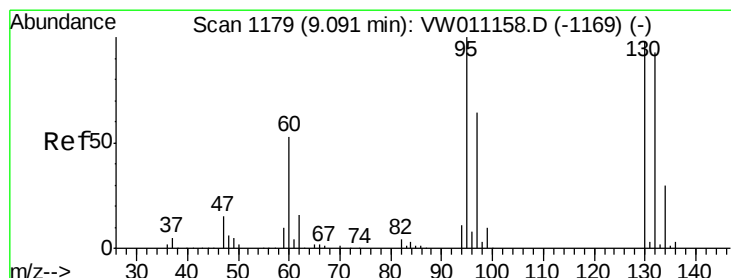
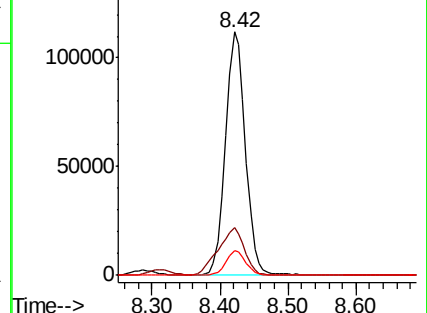
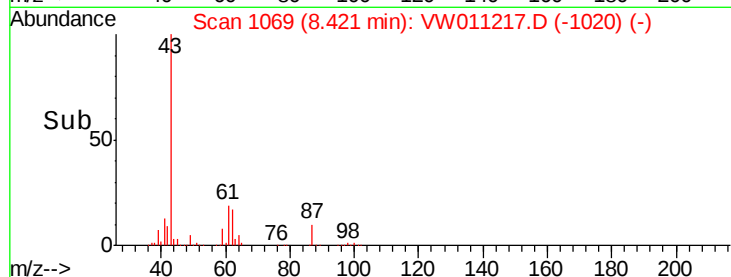
43 100

61 25.7 20.7 31.1

87 10.2 8.1 12.1



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: 51.887 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW011217.D

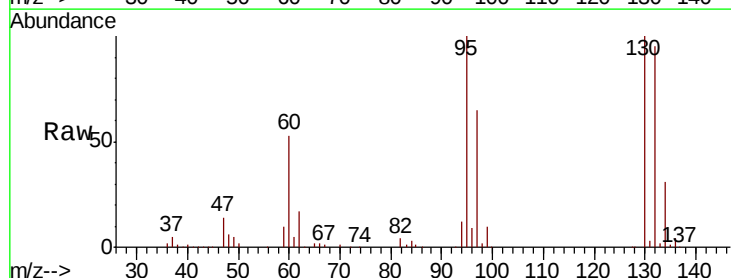
Acq: 11 Jul 2019 04:31

Tgt Ion: 130 Resp: 117781

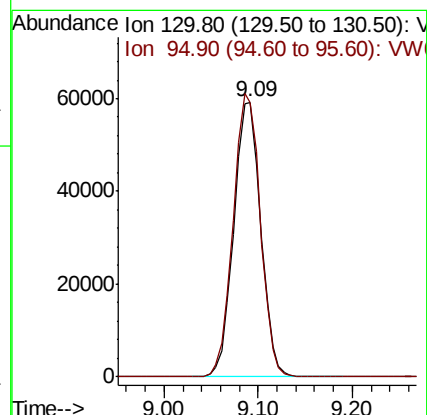
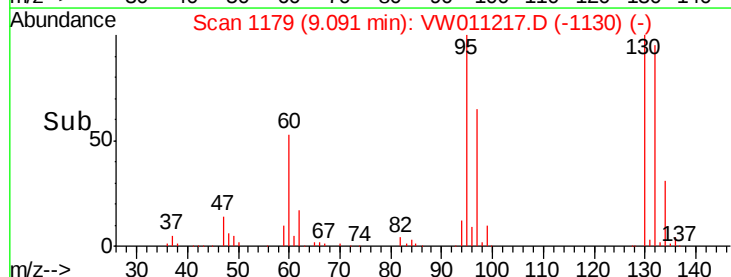
Ion Ratio Lower Upper

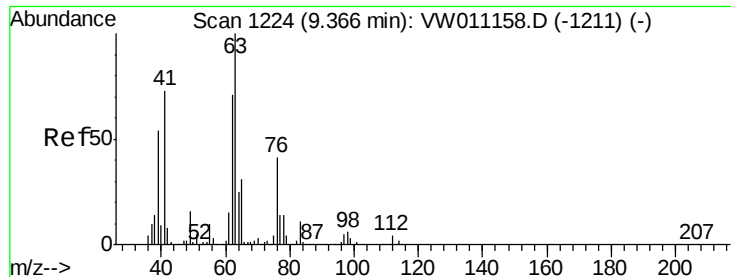
130 100

95 99.7 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 55.595 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

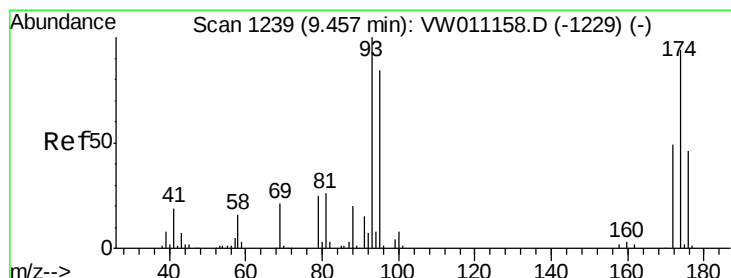
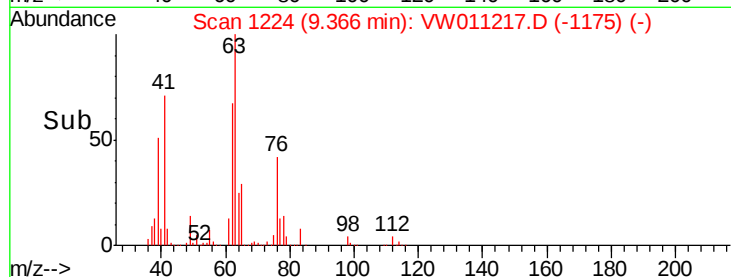
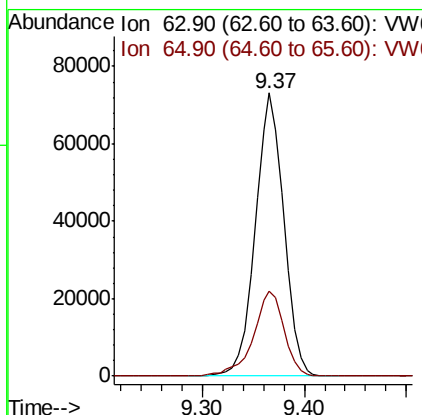
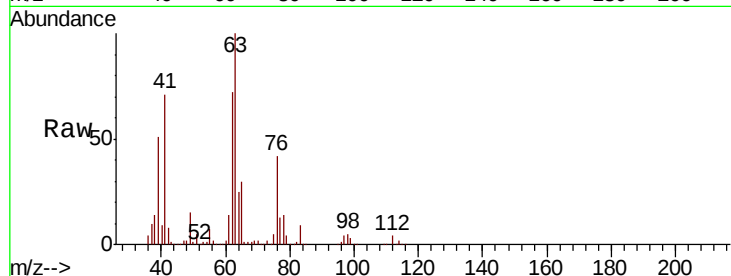
VSTDCCC050EC

Tot Ion: 63 Resp: 142013

Ion Ratio Lower Upper

63 100

65 29.9 24.4 36.6



#46

Dibromomethane

Concen: 57.117 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

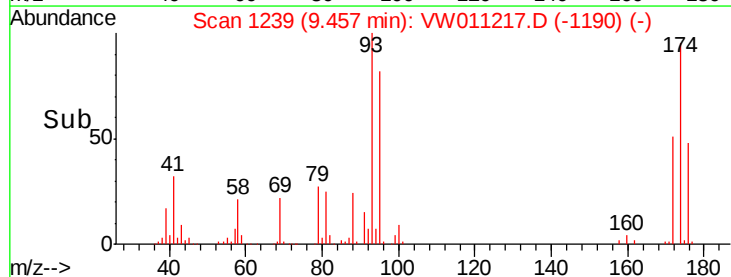
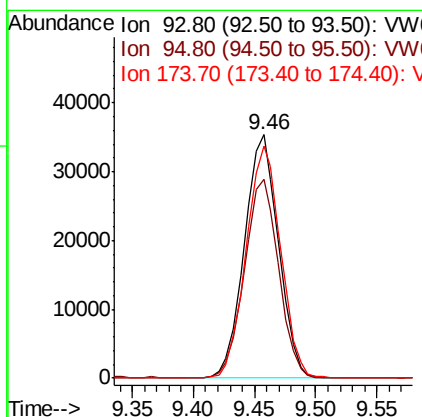
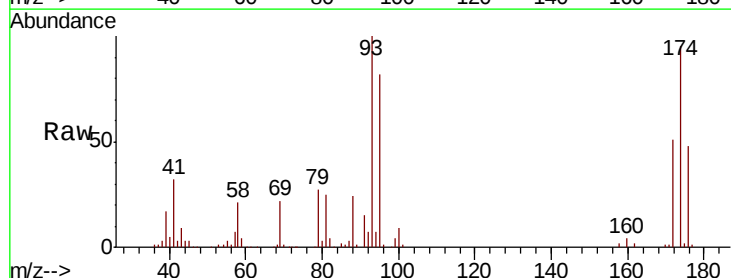
Tgt Ion: 93 Resp: 68536

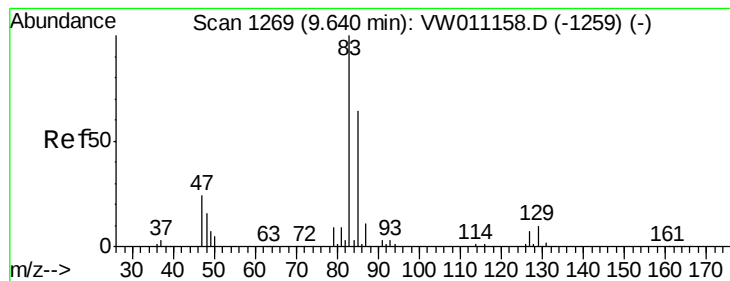
Ion Ratio Lower Upper

93 100

95 82.1 67.2 100.8

174 96.6 76.3 114.5





#47

Bromodichloromethane

Concen: 55.115 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

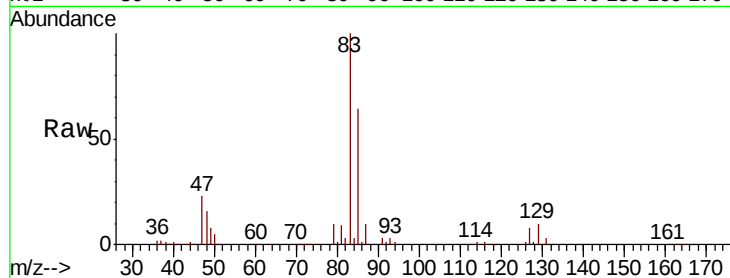
Tot Ion: 83 Resp: 169215

Ion Ratio Lower Upper

83 100

85 63.9 51.0 76.4

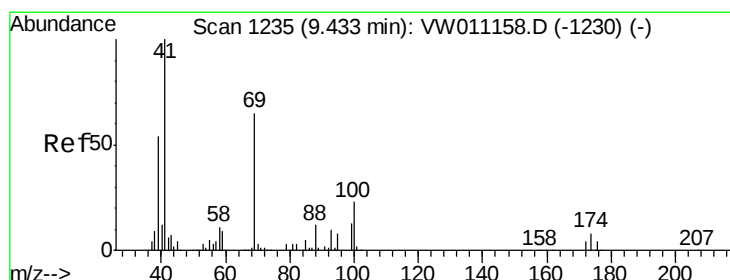
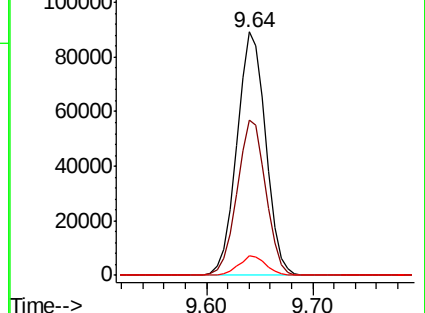
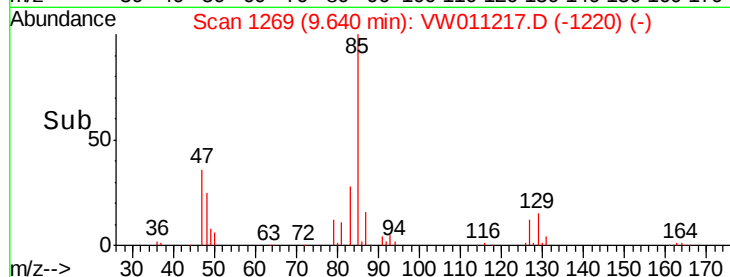
127 7.9 6.0 9.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 59.753 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

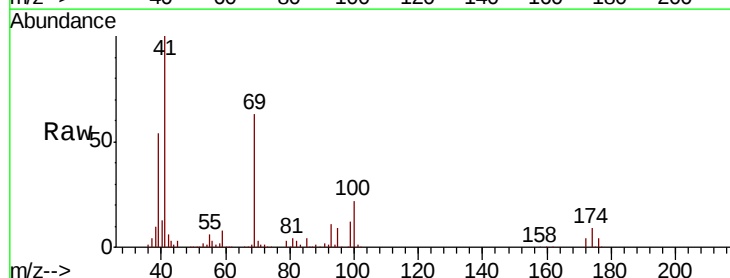
Tgt Ion: 41 Resp: 111304

Ion Ratio Lower Upper

41 100

69 70.3 56.0 84.0

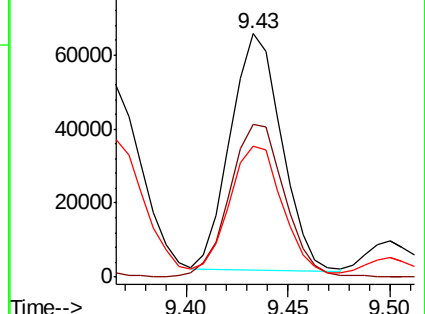
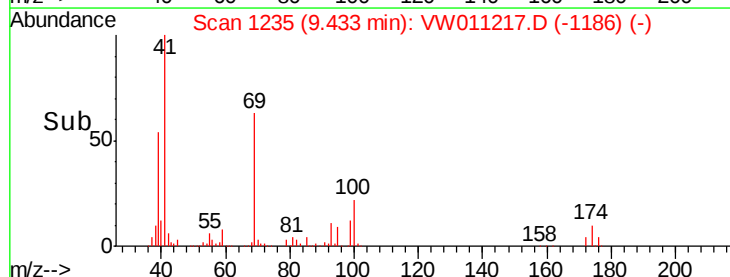
39 58.3 43.5 65.3

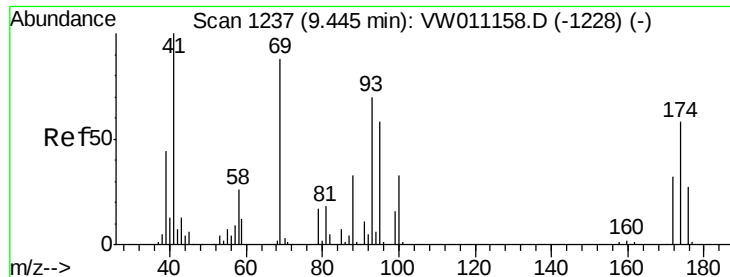


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1190.722 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.02 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

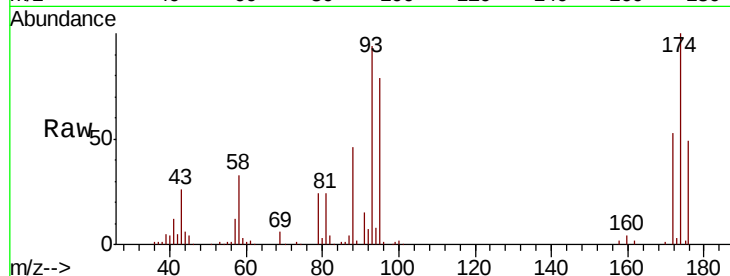
Tot Ion: 88 Resp: 23849

Ion Ratio Lower Upper

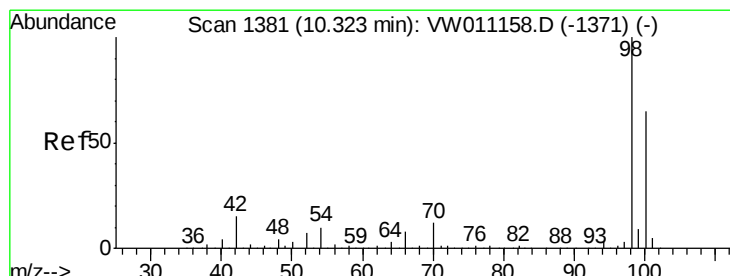
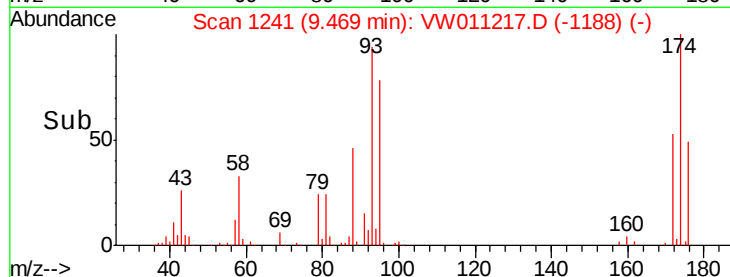
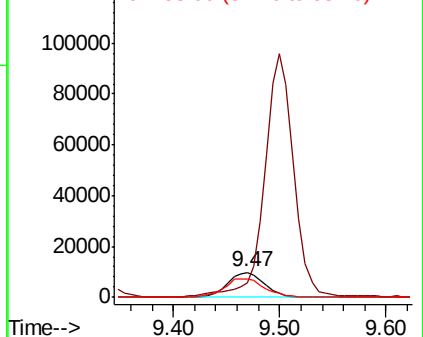
88 100

43 0.0 33.4 50.0#

58 84.1 64.5 96.7



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



#50

Toluene-d8

Concen: 48.909 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011217.D

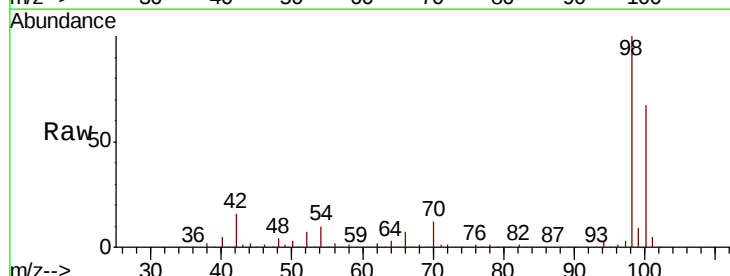
Acq: 11 Jul 2019 04:31

Tgt Ion: 98 Resp: 377696

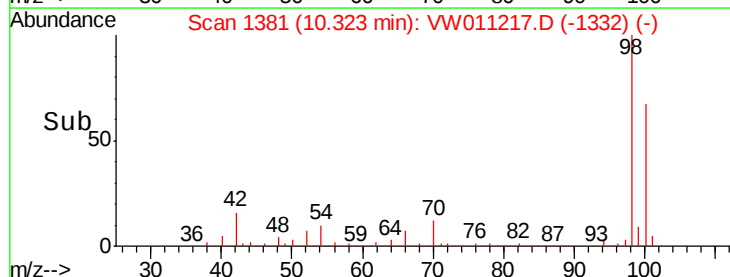
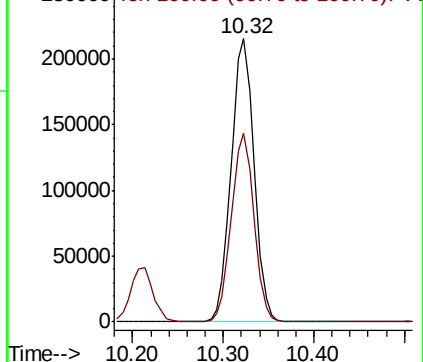
Ion Ratio Lower Upper

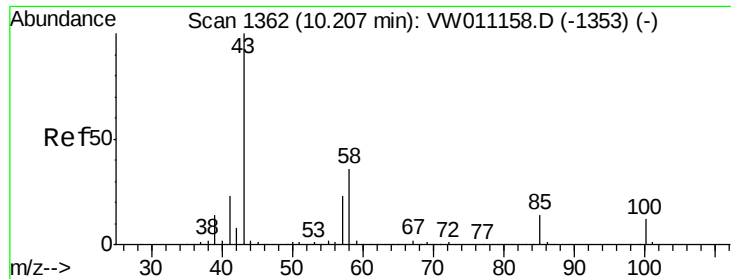
98 100

100 66.0 52.4 78.6



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

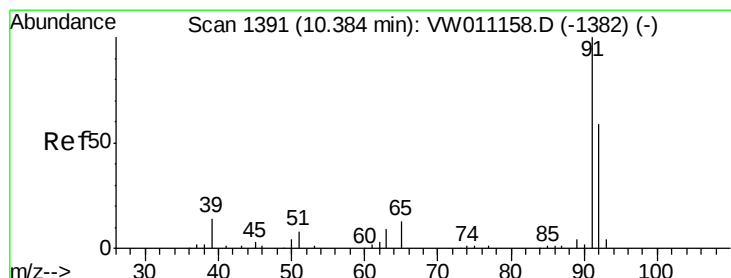
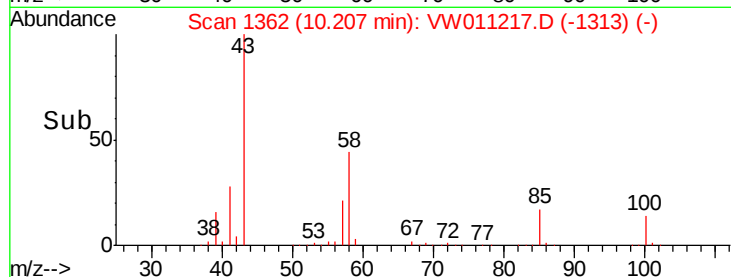
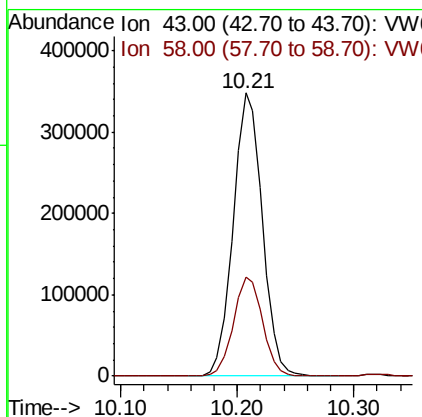
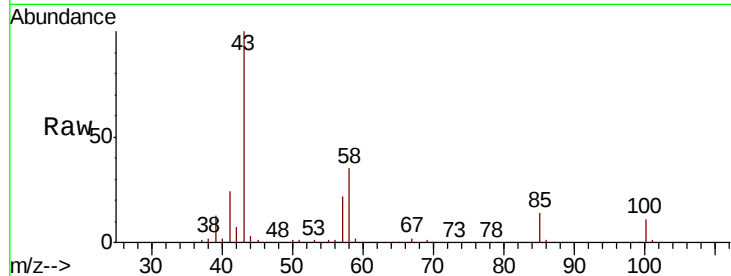




#51
4-Methyl-2-Pentanone
Concen: 299.692 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

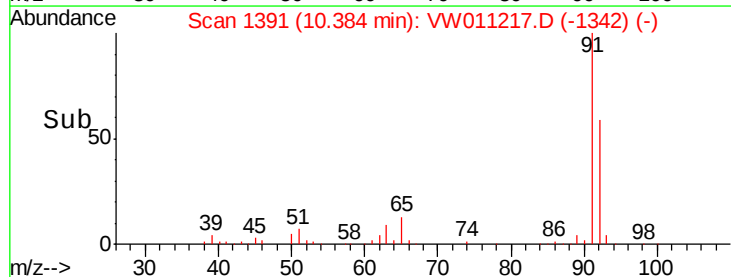
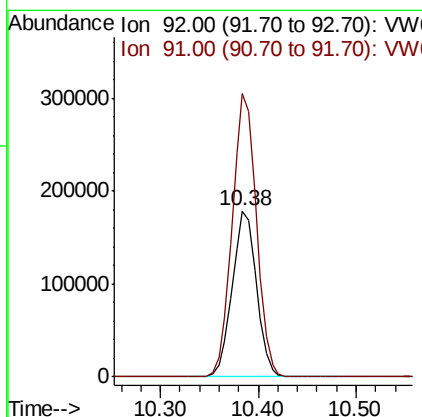
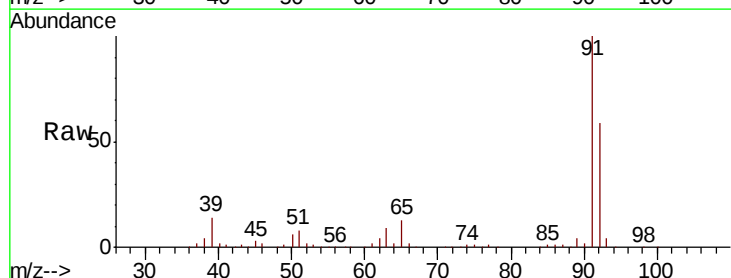
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

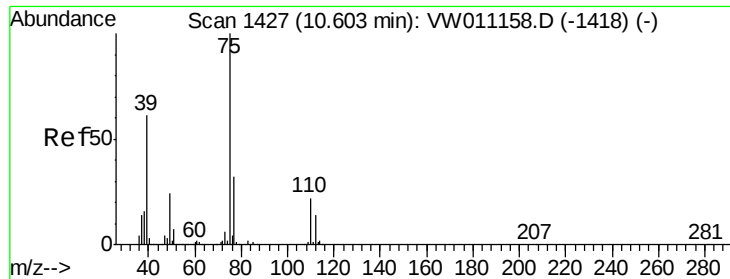
Tot Ion: 43 Resp: 606143
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2



#52
Toluene
Concen: 53.679 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 92 Resp: 307161
Ion Ratio Lower Upper
92 100
91 170.7 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 53.255 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

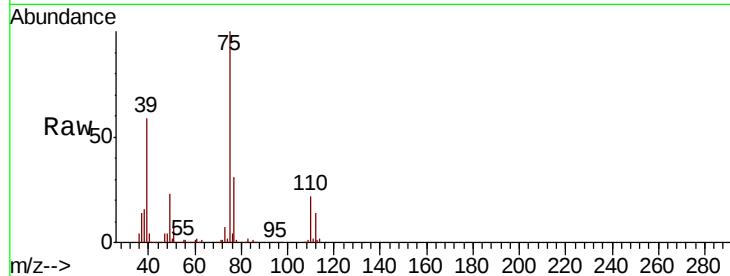
VSTDCCC050EC

Tot Ion: 75 Resp: 174040

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

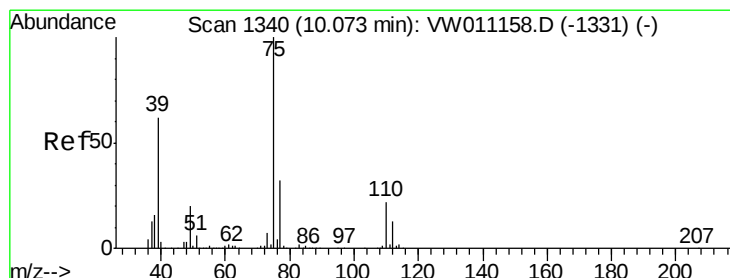
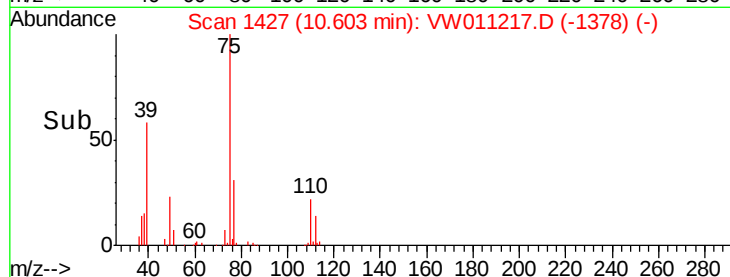
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.102 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

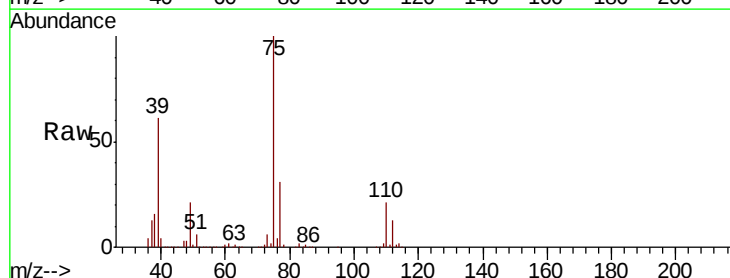
Tgt Ion: 75 Resp: 204267

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5

39 61.4 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

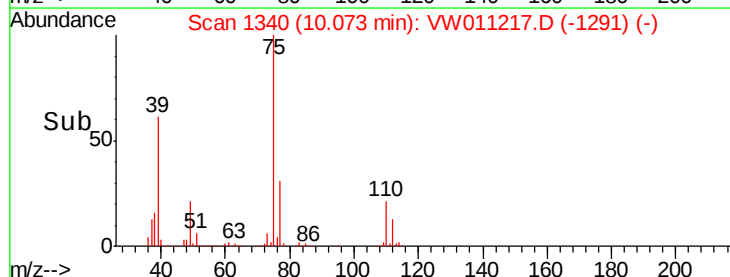
150000

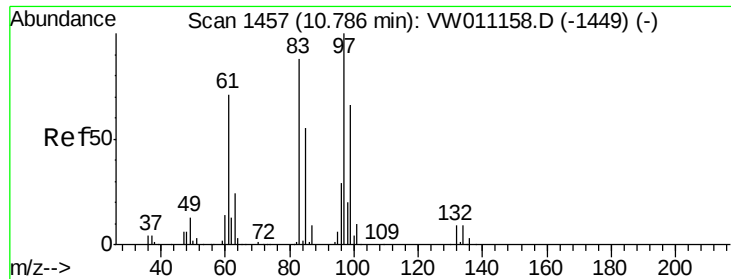
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 57.234 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

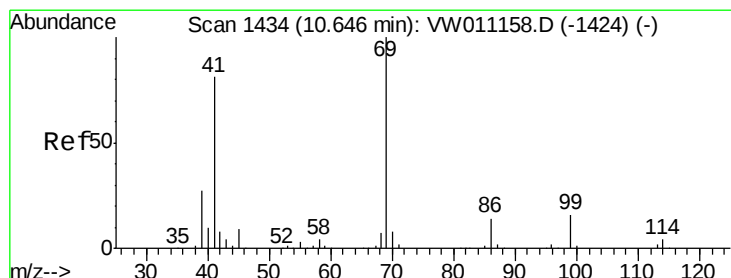
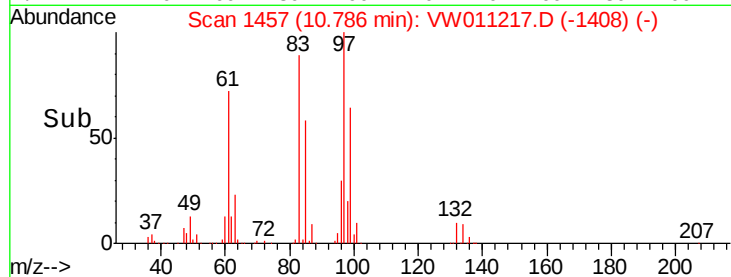
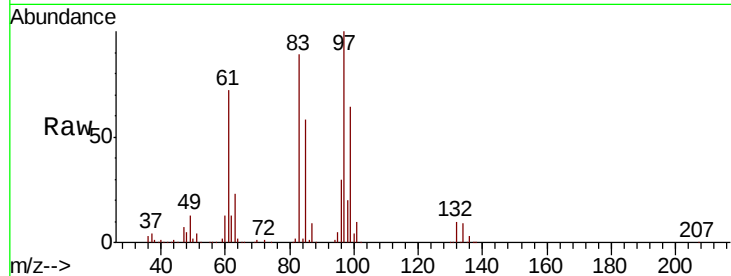
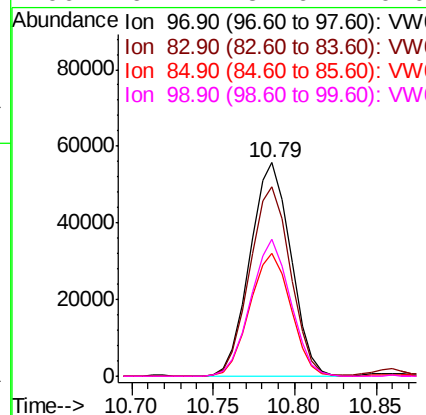
MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 97430

Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.2	105.4
85	57.7	44.2	66.2
99	64.2	52.6	79.0



#56

Ethyl methacrylate

Concen: 58.957 ug/l

RT: 10.65 min Scan# 1434

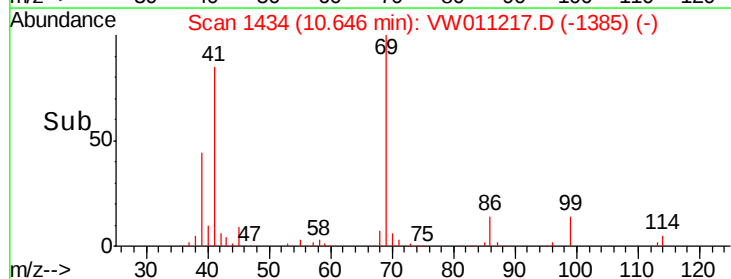
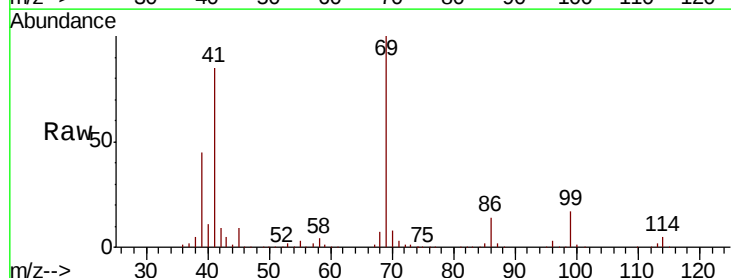
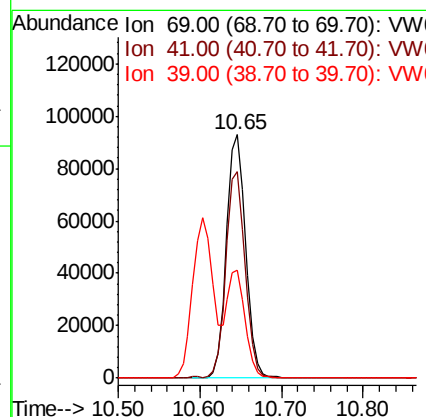
Delta R.T. 0.00 min

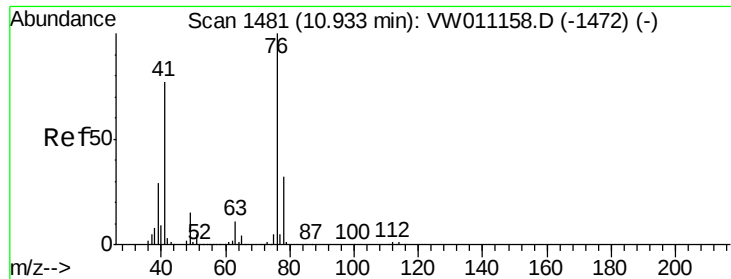
Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion: 69 Resp: 152800

Ion	Ratio	Lower	Upper
69	100		
41	84.7	66.5	99.7
39	39.9	32.5	48.7

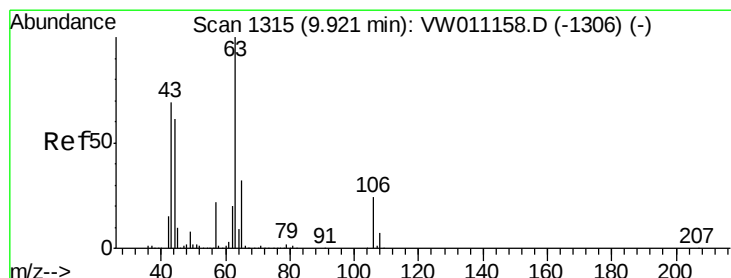
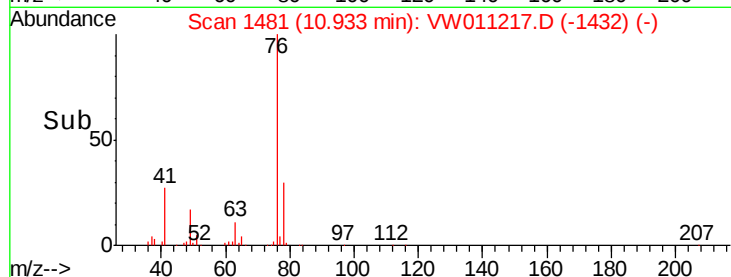
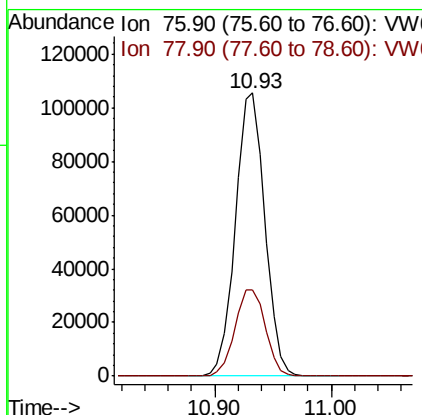
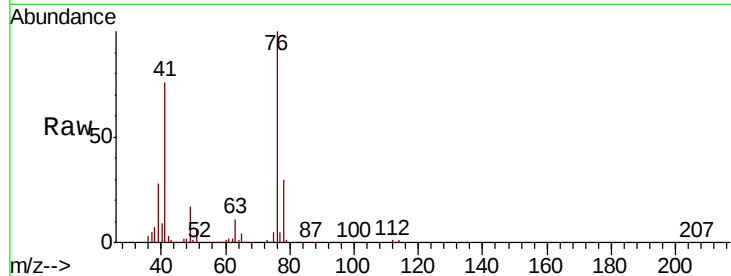




#57
 1,3-Dichloropropane
 Concen: 57.752 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

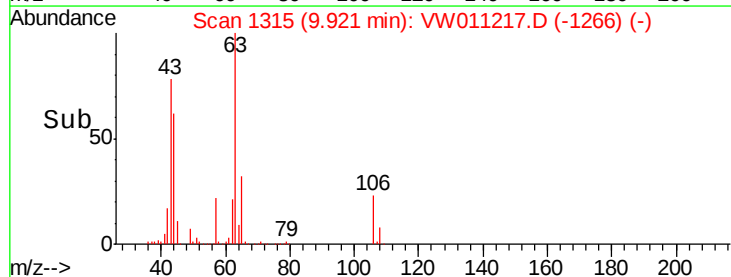
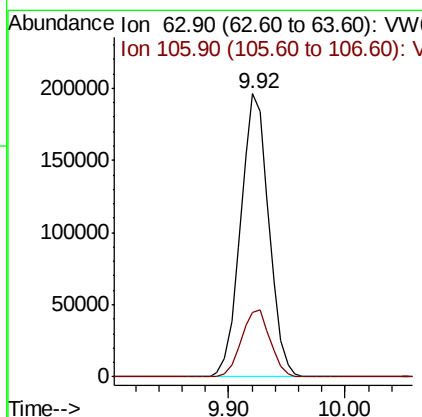
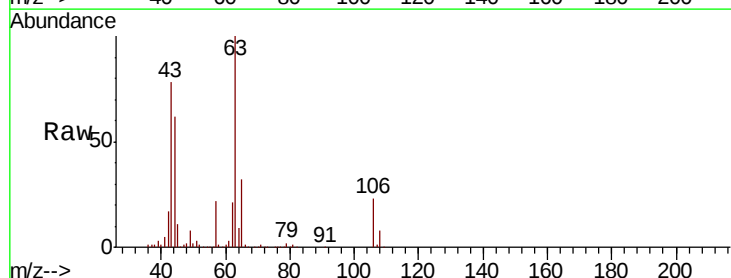
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

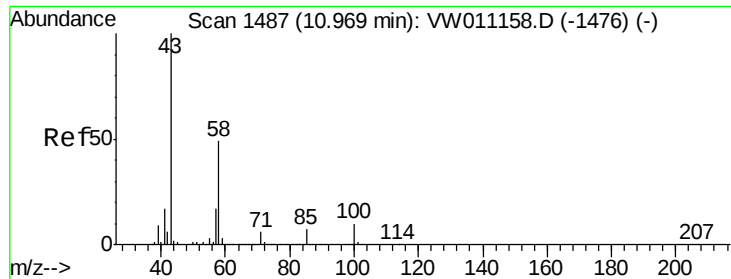
Tot Ion: 76 Resp: 185906
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.2 39.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.189 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 63 Resp: 331845
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0

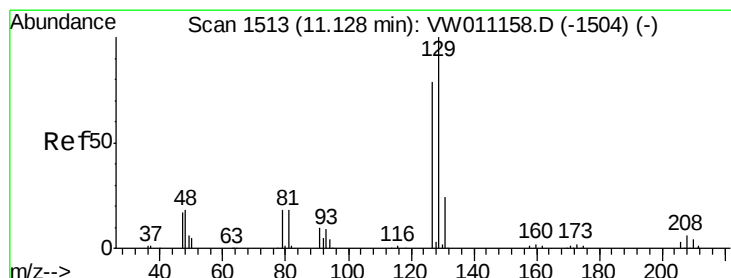
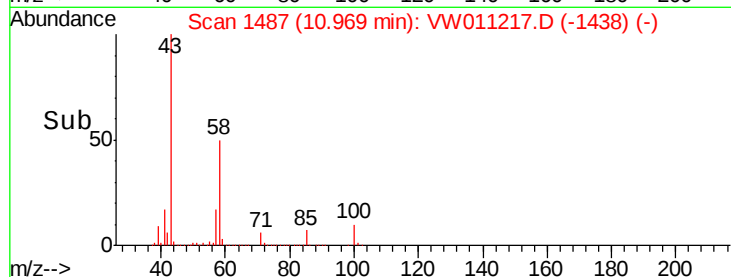
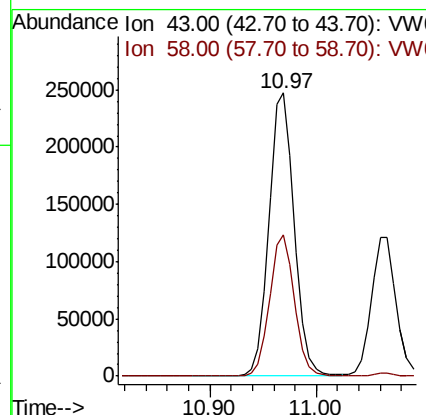
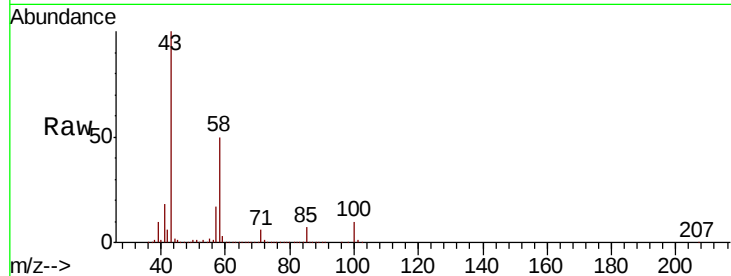




#59
2-Hexanone
Concen: 292.222 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

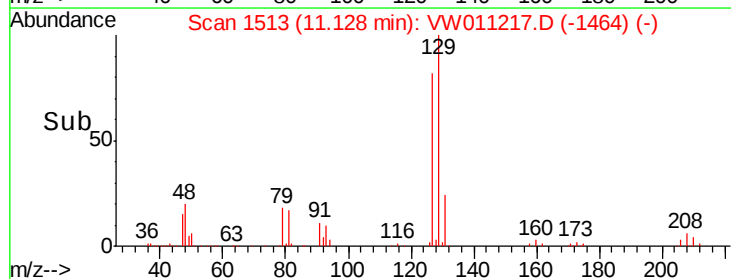
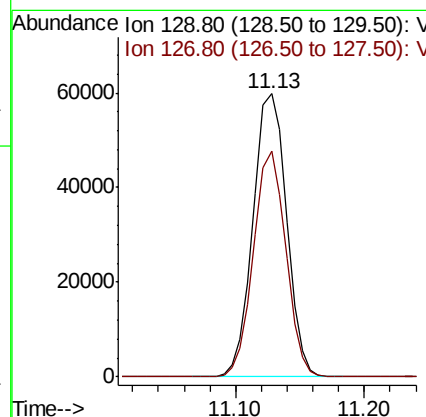
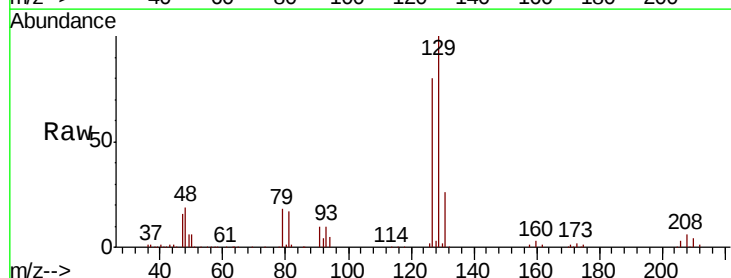
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

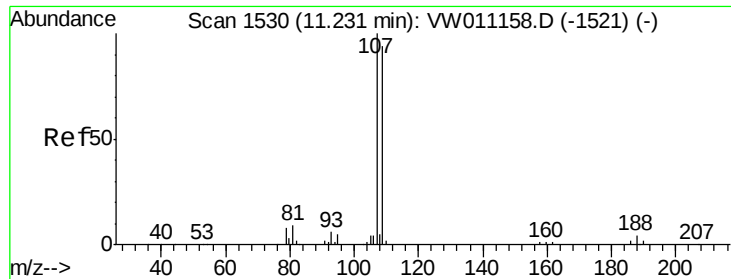
Tot Ion: 43 Resp: 409882
Ion Ratio Lower Upper
43 100
58 49.0 24.4 73.4



#60
Dibromochloromethane
Concen: 57.701 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion: 129 Resp: 107709
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3

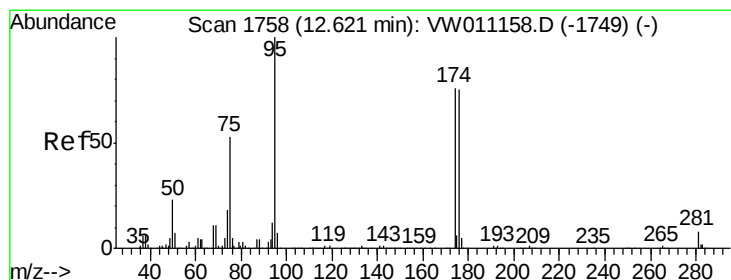
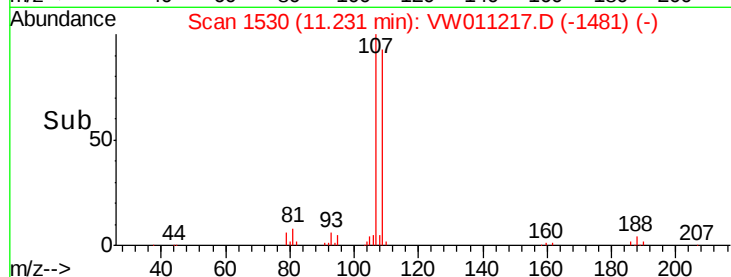
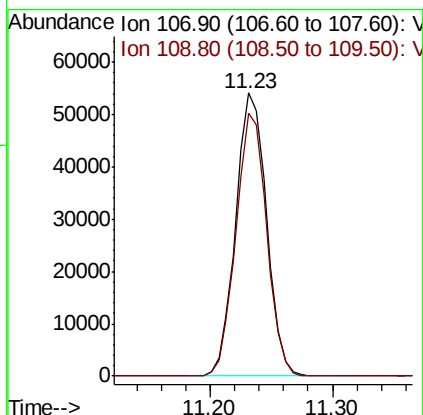
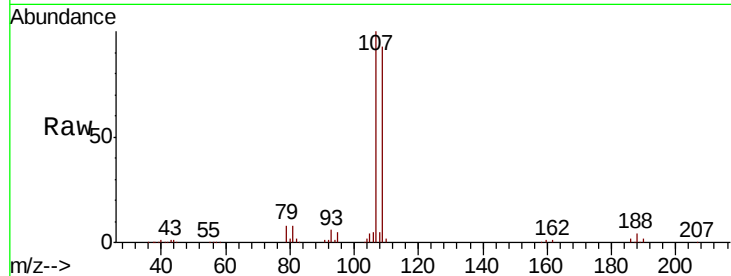




#61
 1,2-Dibromoethane
 Concen: 58.469 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

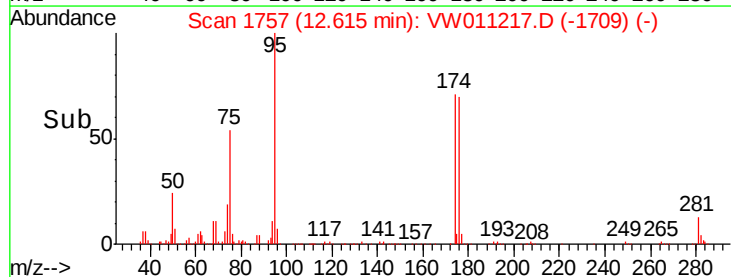
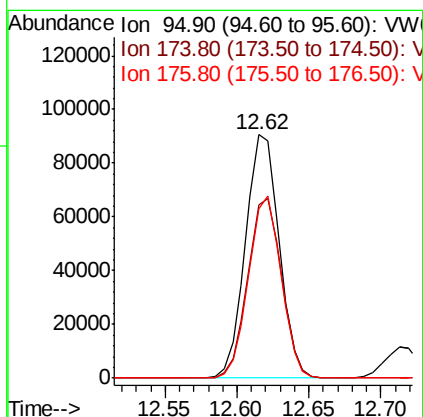
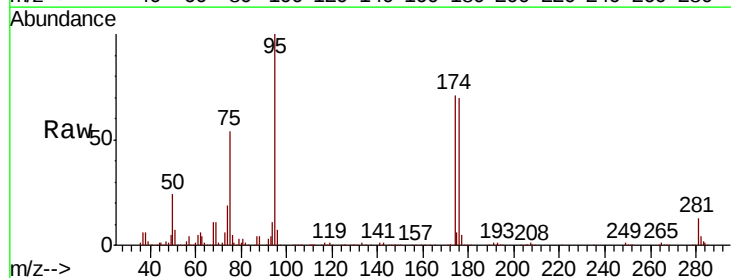
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

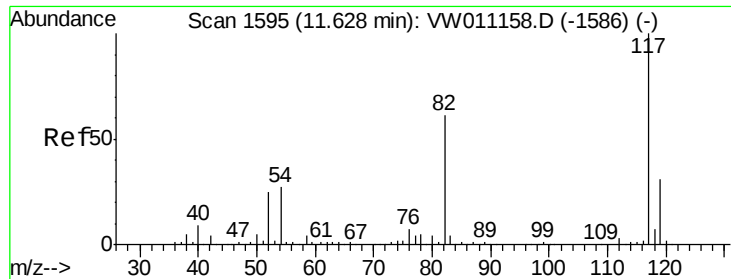
Tot Ion: 107 Resp: 94279
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.755 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion: 95 Resp: 146493
 Ion Ratio Lower Upper
 95 100
 174 74.3 0.0 147.6
 176 72.3 0.0 144.6

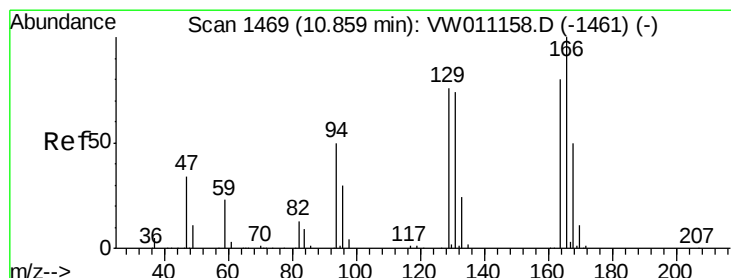
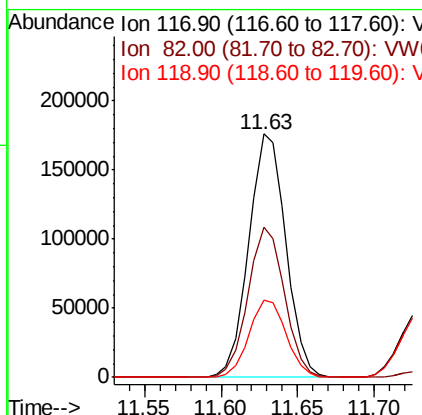
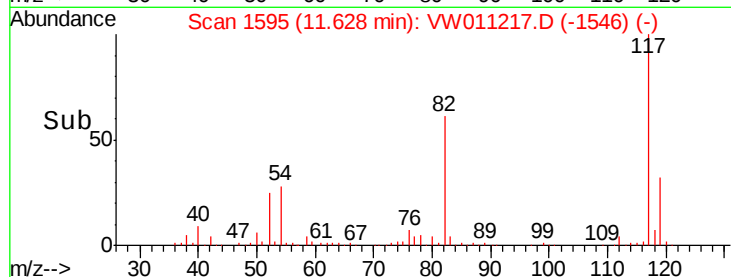
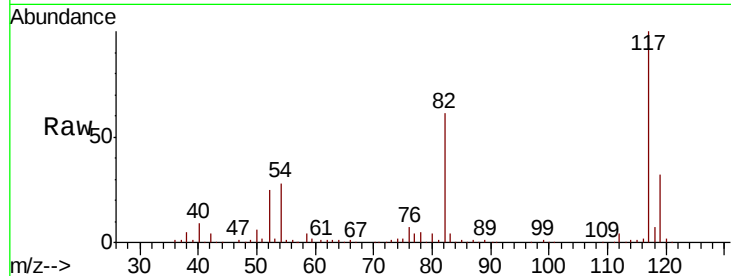




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

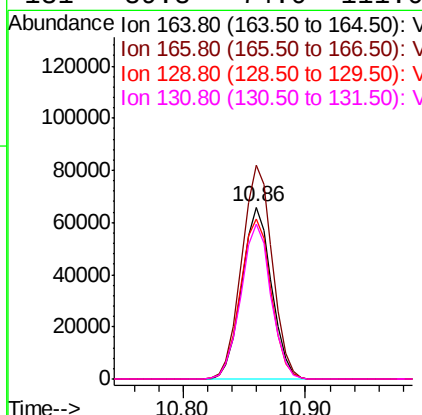
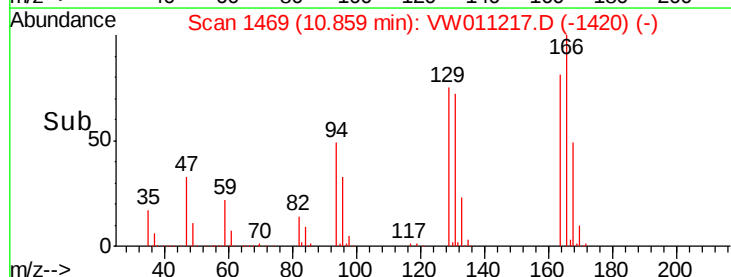
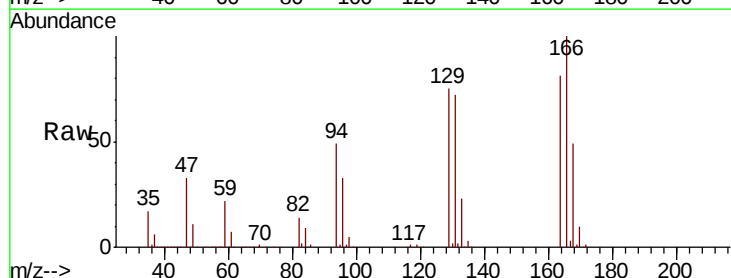
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

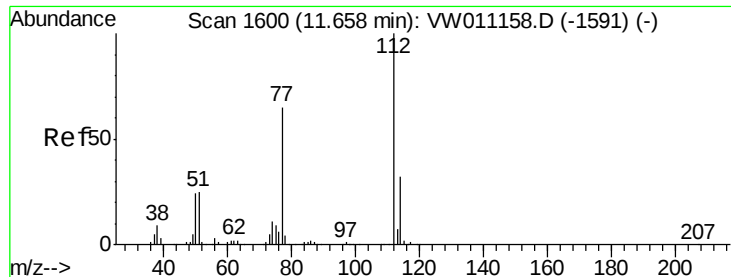
Tot Ion:117 Resp: 296948
Ion Ratio Lower Upper
117 100
82 61.4 48.9 73.3
119 31.9 25.0 37.6



#64
Tetrachloroethene
Concen: 55.632 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:164 Resp: 111472
Ion Ratio Lower Upper
164 100
166 124.2 99.7 149.5
129 93.3 76.2 114.2
131 89.8 74.0 111.0

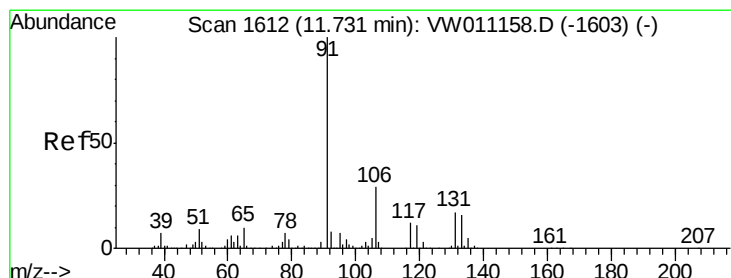
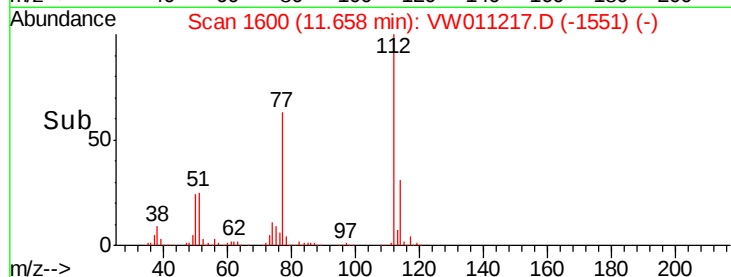
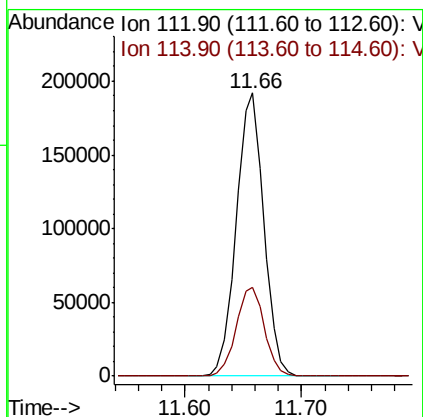
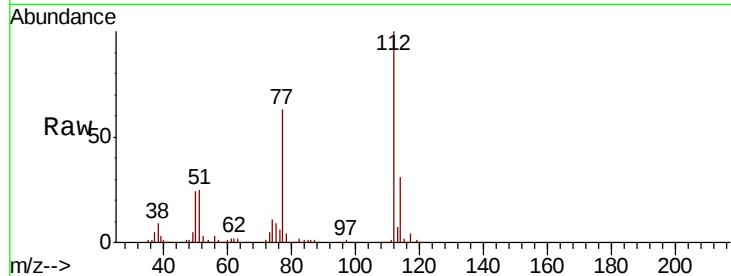




#65
Chlorobenzene
Concen: 52.352 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

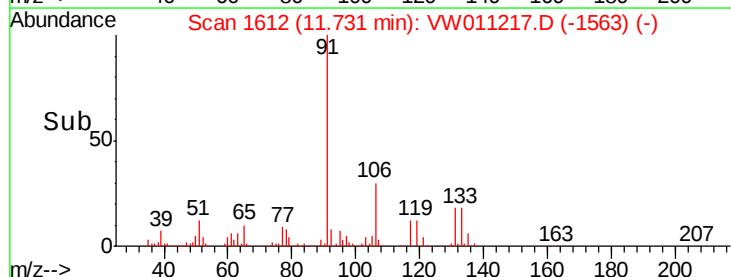
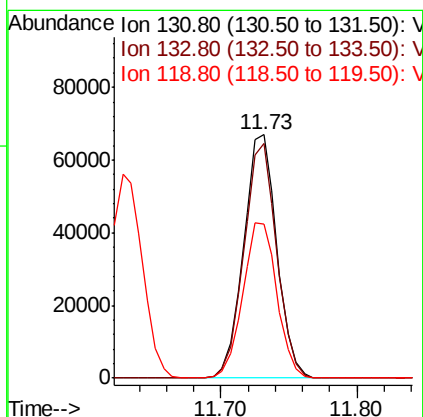
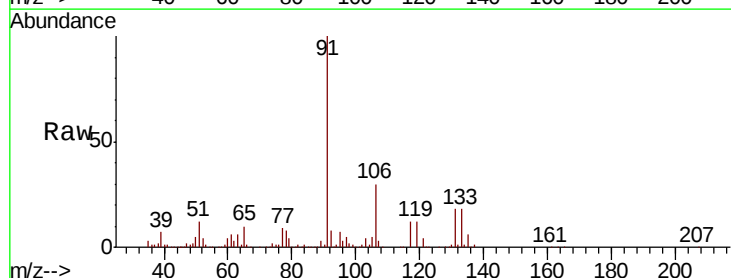
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

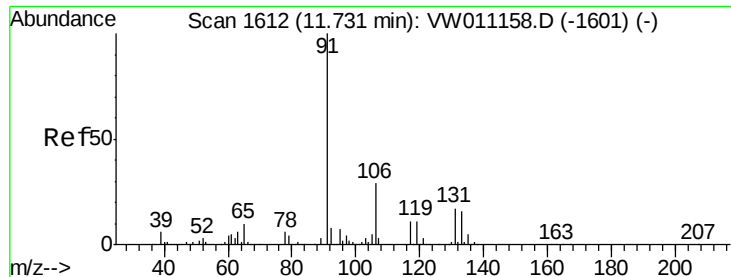
Tot Ion:112 Resp: 316062
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 53.770 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:131 Resp: 114301
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.8
119 65.4 33.1 99.2





#67

Ethyl Benzene

Concen: 51.266 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

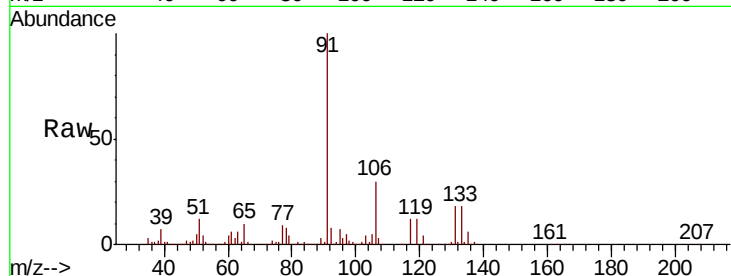
VSTDCCC050EC

Tot Ion: 91 Resp: 592512

Ion Ratio Lower Upper

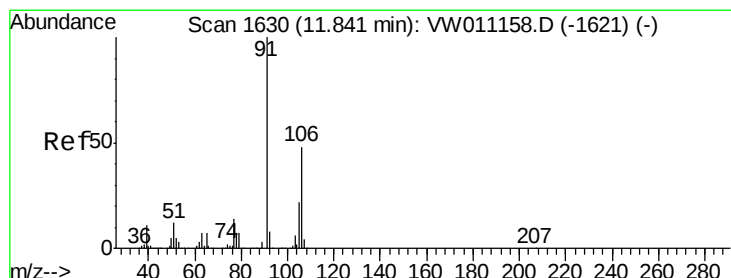
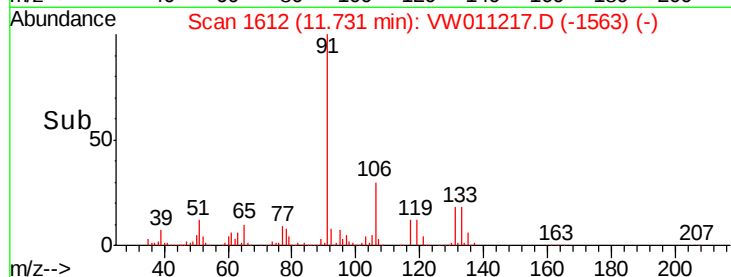
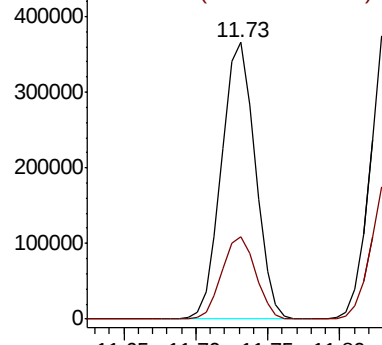
91 100

106 29.8 23.5 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.674 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW011217.D

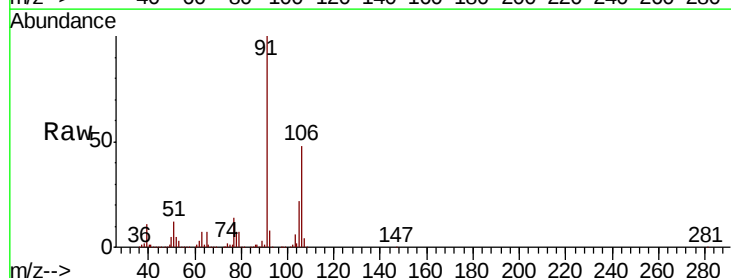
Acq: 11 Jul 2019 04:31

Tgt Ion: 106 Resp: 429384

Ion Ratio Lower Upper

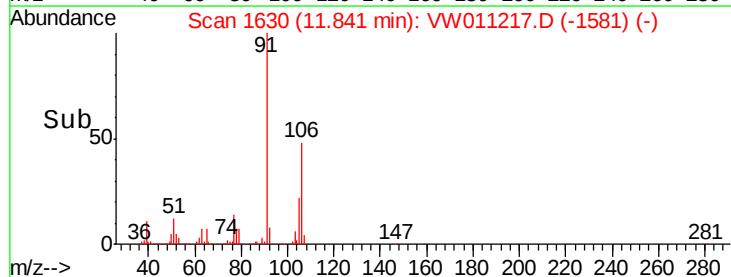
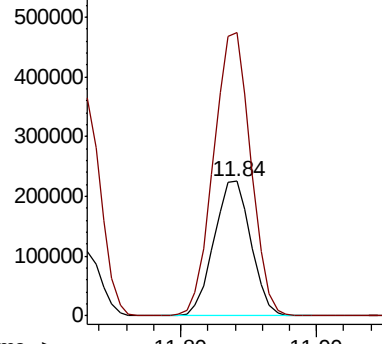
106 100

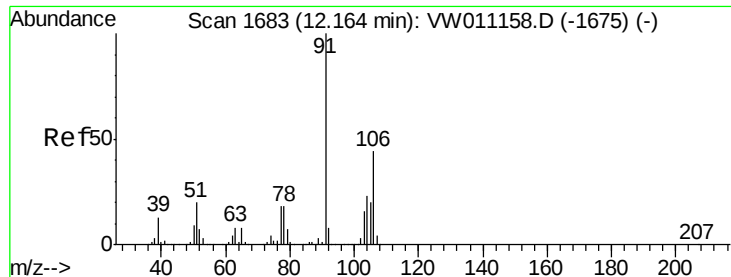
91 211.5 167.7 251.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

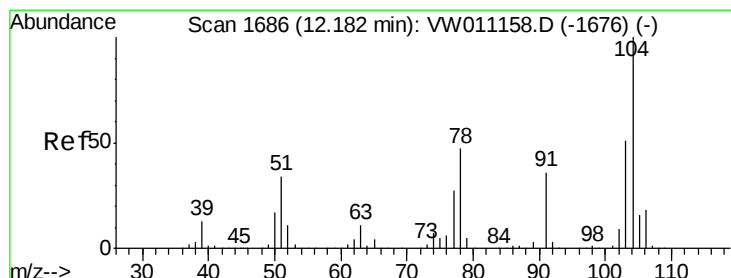
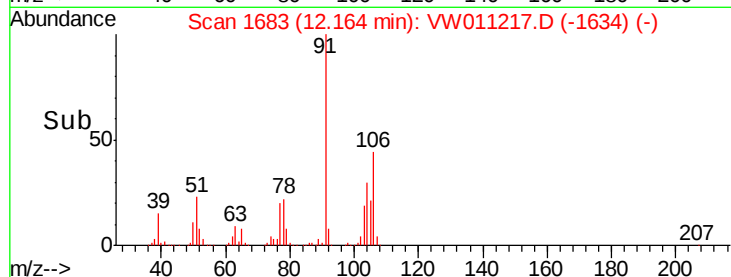
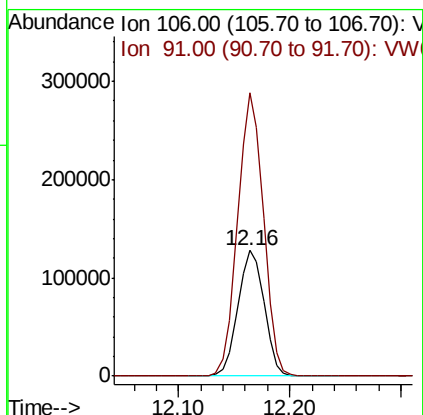
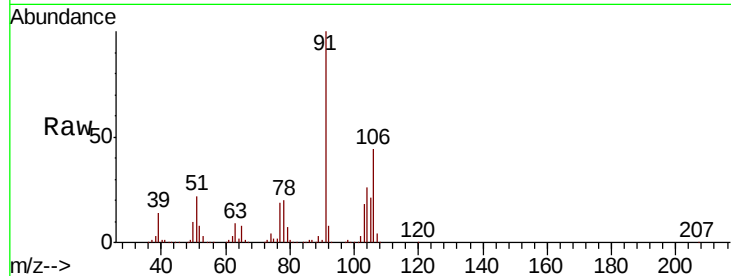




#69
o-Xylene
Concen: 52.758 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

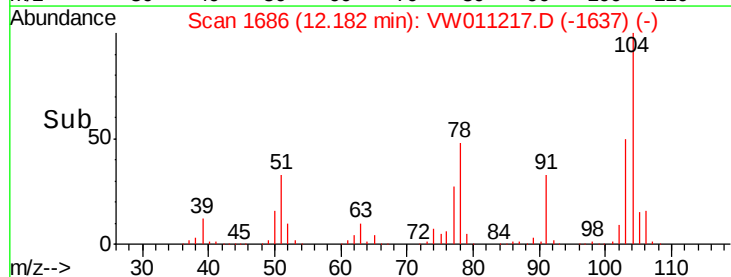
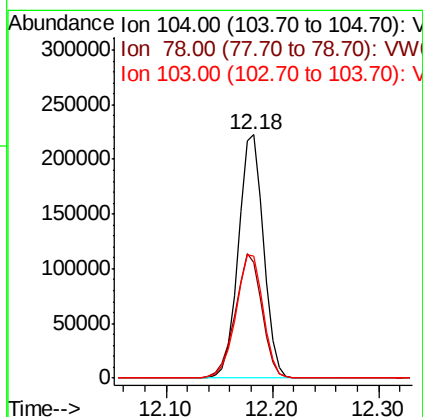
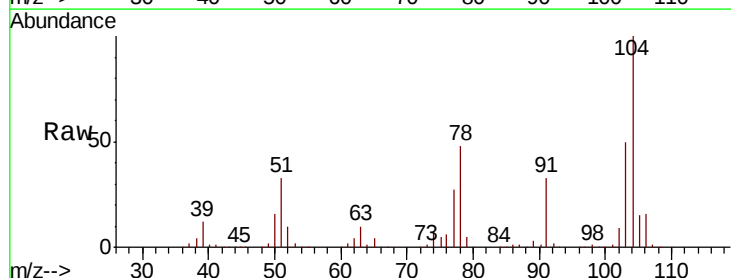
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

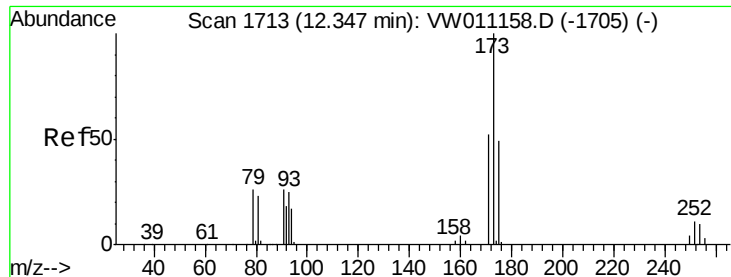
Tot Ion:106 Resp: 207950
Ion Ratio Lower Upper
106 100
91 222.0 110.7 332.1



#70
Styrene
Concen: 54.271 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:104 Resp: 369181
Ion Ratio Lower Upper
104 100
78 54.4 43.1 64.7
103 54.7 44.1 66.1

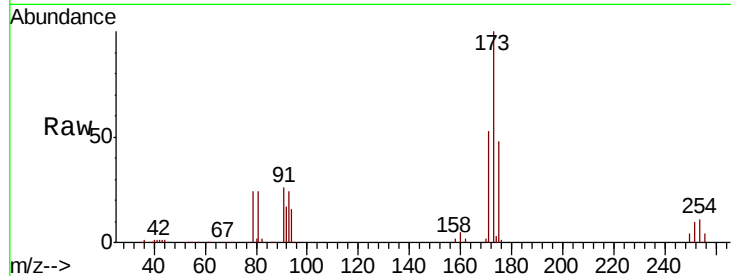




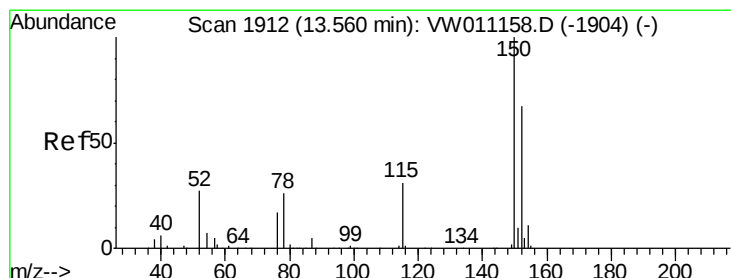
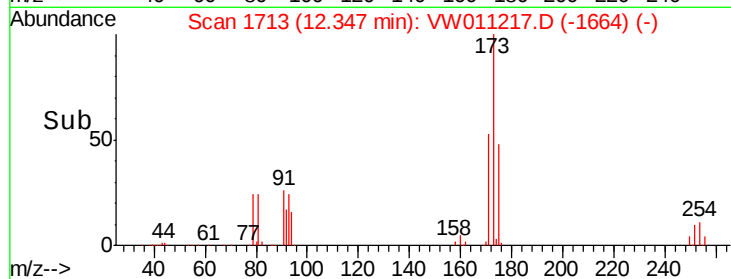
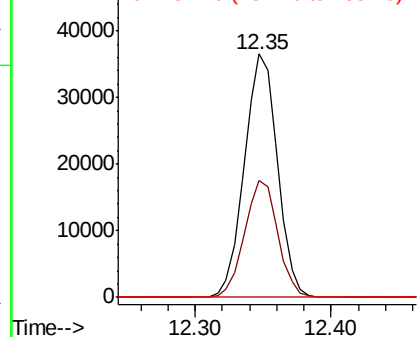
#71
Bromoform
Concen: 54.959 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 62115
Ion Ratio Lower Upper
173 100
175 48.2 24.8 74.3
254 0.1 0.0 0.0#

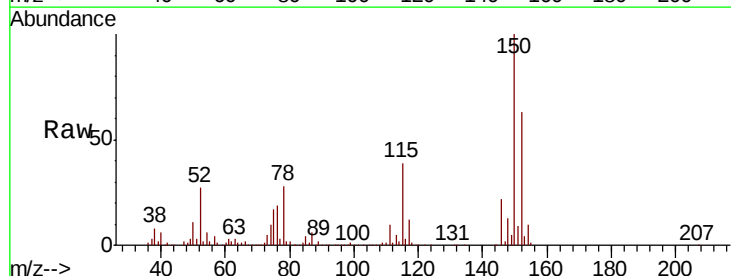


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

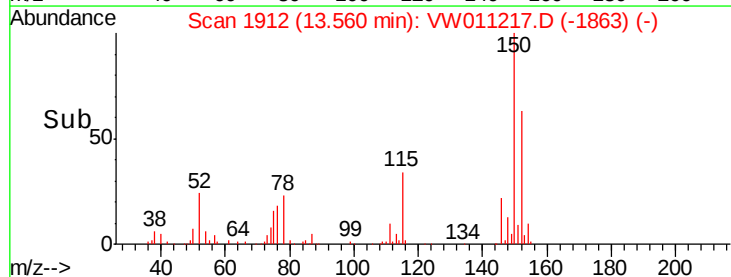
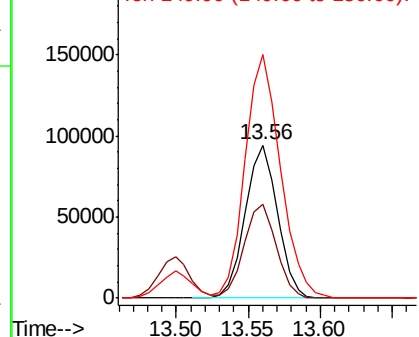


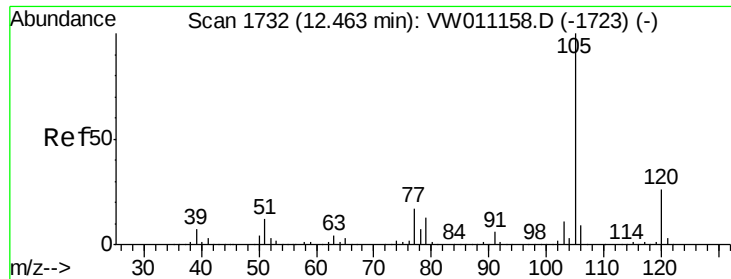
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:152 Resp: 146007
Ion Ratio Lower Upper
152 100
115 61.8 30.1 90.3
150 175.0 0.0 346.0



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





#73

Isopropylbenzene

Concen: 50.363 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

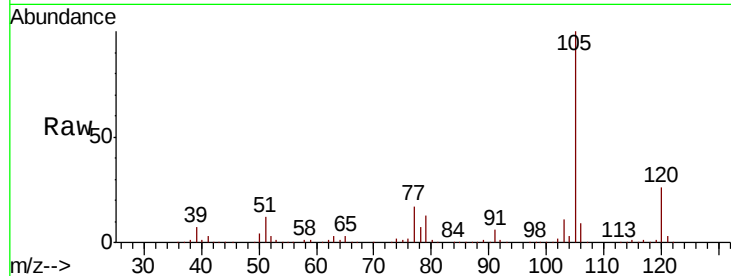
VSTDCCC050EC

Tot Ion:105 Resp: 549692

Ion Ratio Lower Upper

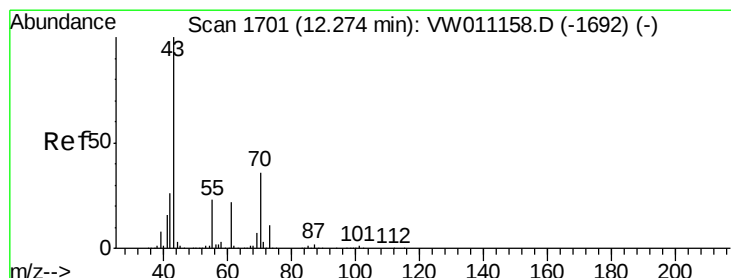
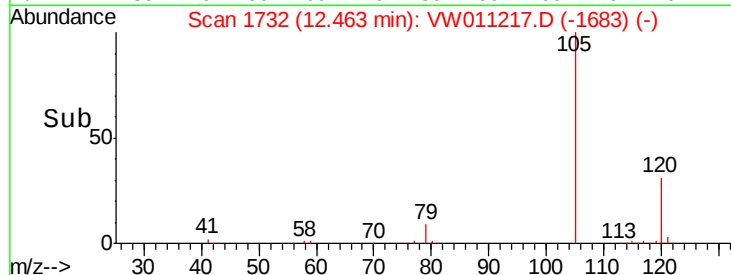
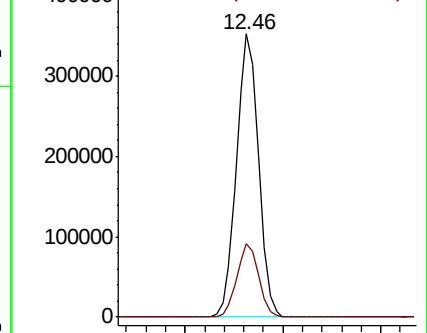
105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 55.470 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Tgt Ion: 43 Resp: 210855

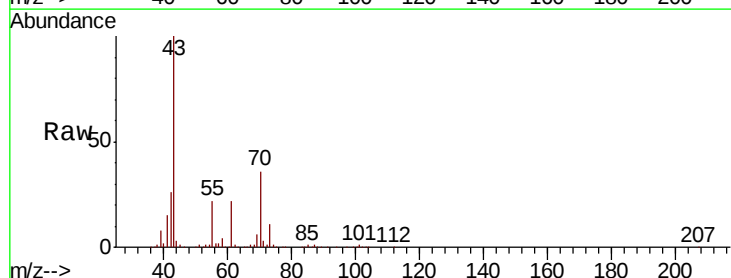
Ion Ratio Lower Upper

43 100

70 36.4 28.5 42.7

55 22.7 18.1 27.1

61 21.5 17.2 25.8

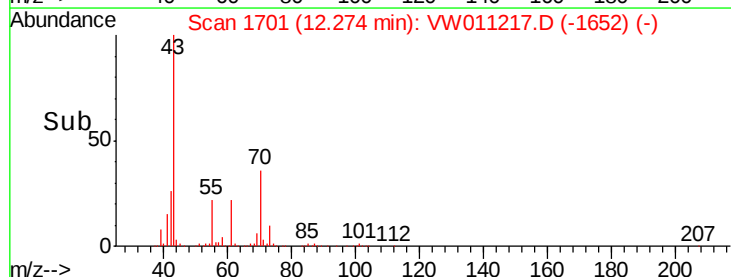
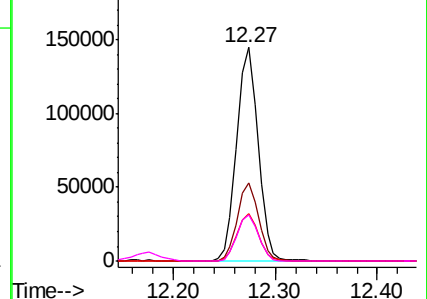


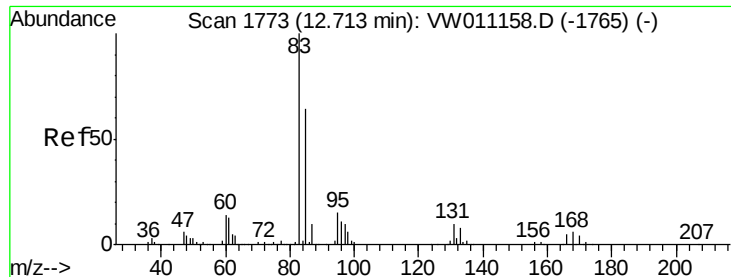
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 55.187 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

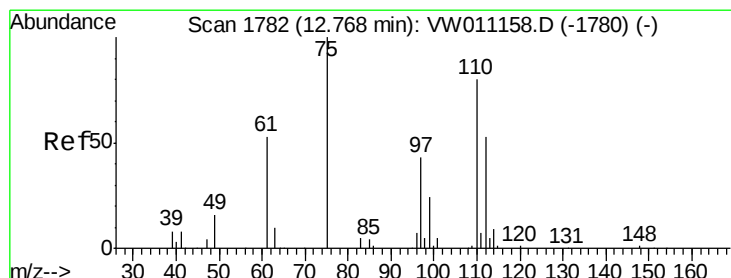
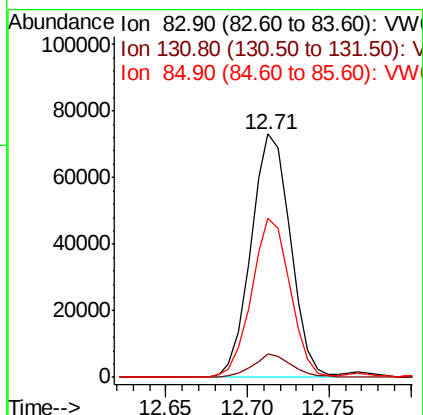
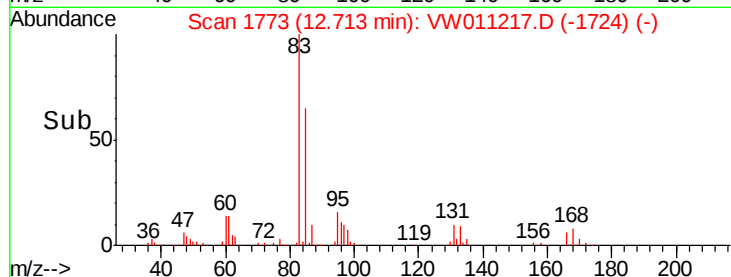
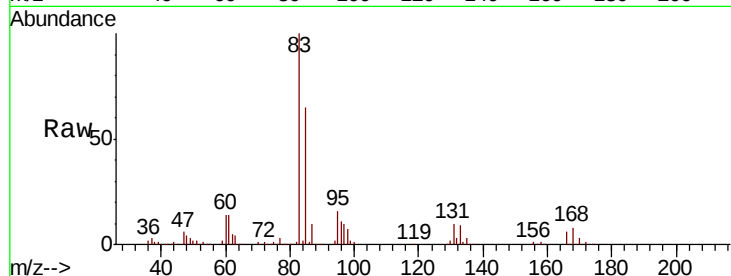
Tot Ion: 83 Resp: 123472

Ion Ratio Lower Upper

83 100

131 9.7 5.0 15.0

85 63.7 31.6 94.8



#76

1,2,3-Trichloropropane

Concen: 92.905 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW011217.D

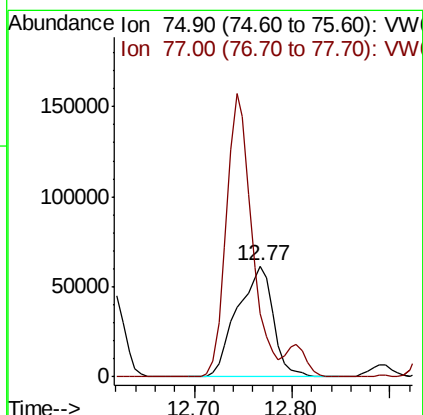
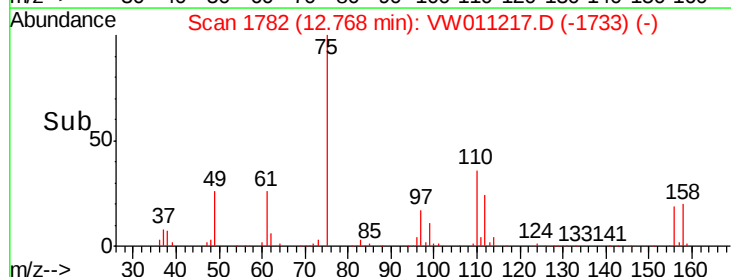
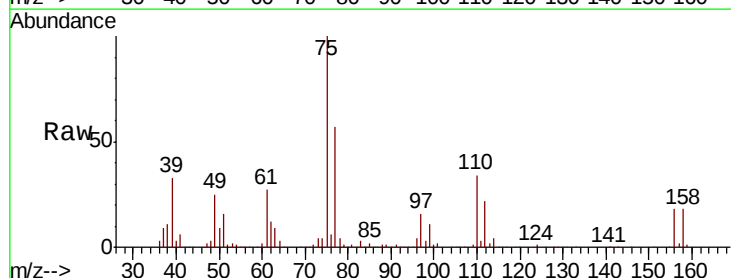
Acq: 11 Jul 2019 04:31

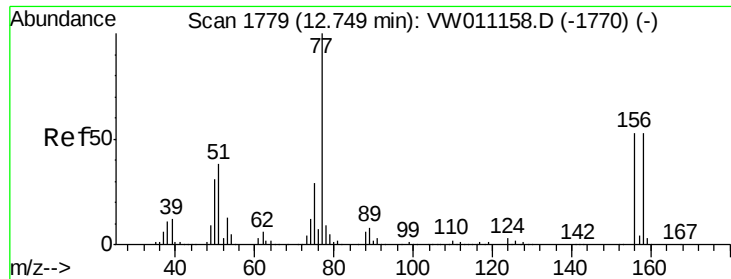
Tgt Ion: 75 Resp: 156759

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.046 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

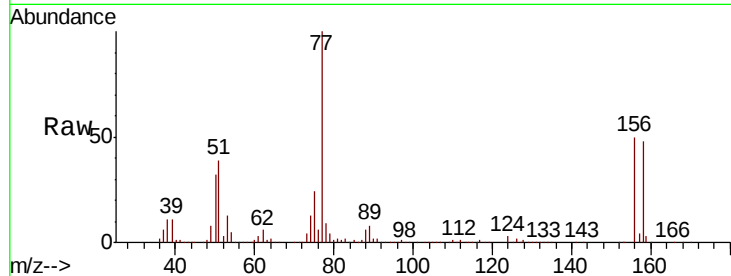
Tot Ion:156 Resp: 129932

Ion Ratio Lower Upper

156 100

77 220.4 109.0 327.0

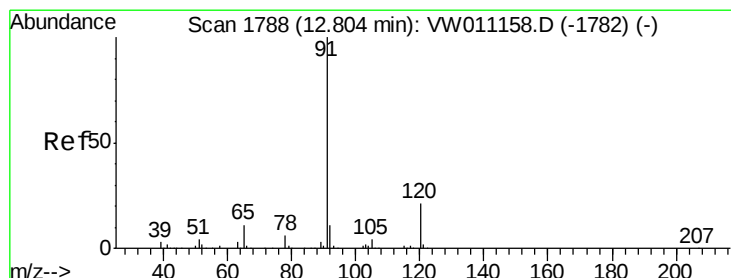
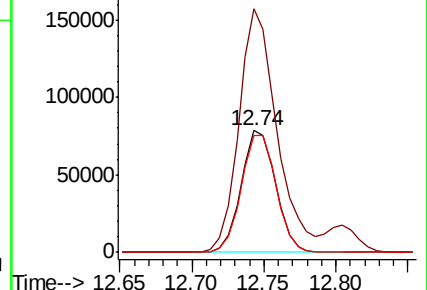
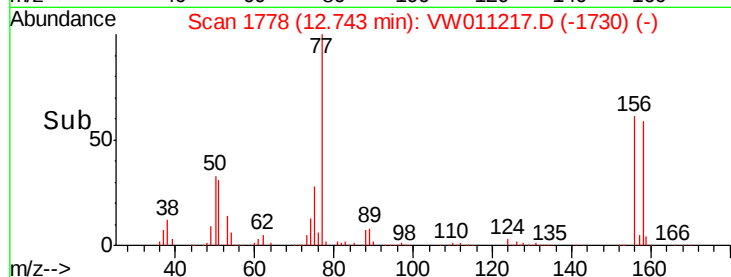
158 98.3 48.8 146.3



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: 49.853 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011217.D

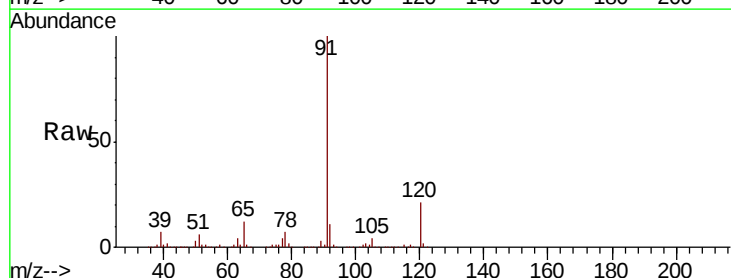
Acq: 11 Jul 2019 04:31

Tgt Ion: 91 Resp: 670288

Ion Ratio Lower Upper

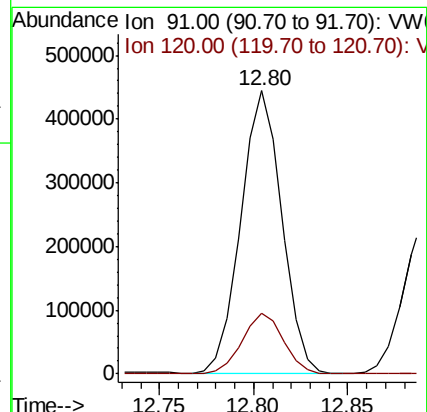
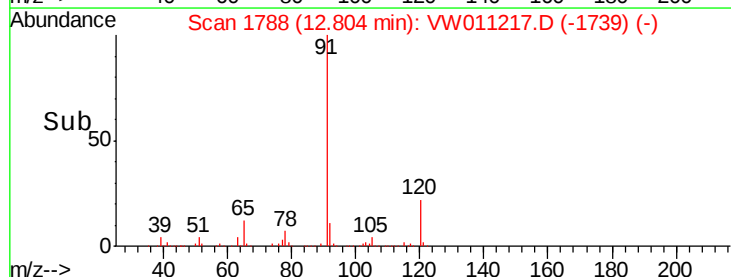
91 100

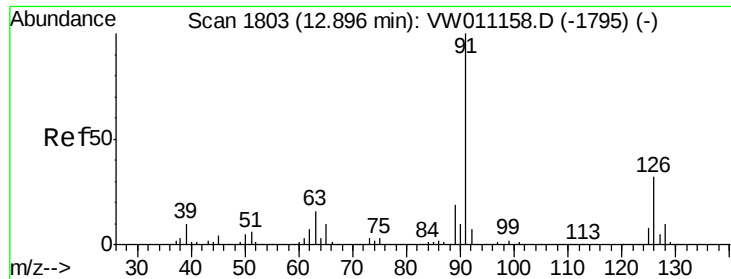
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

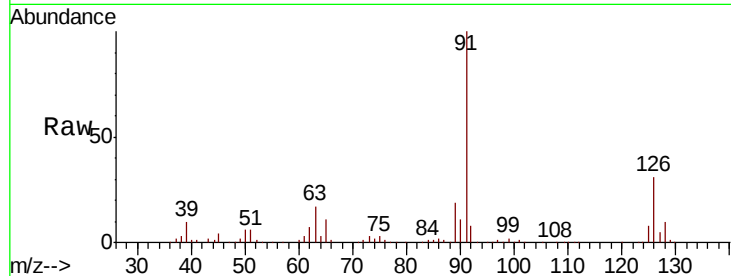




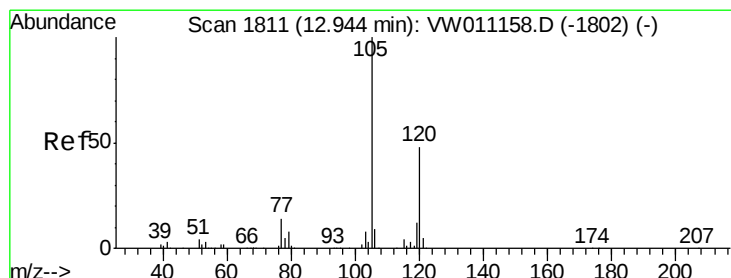
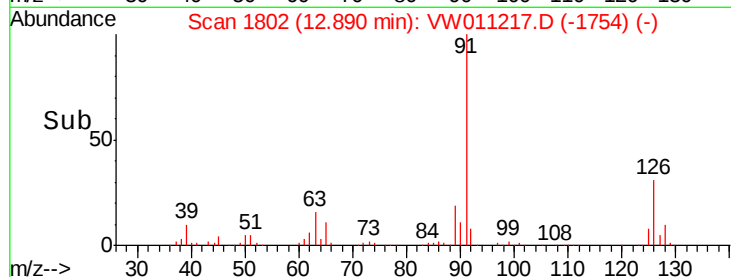
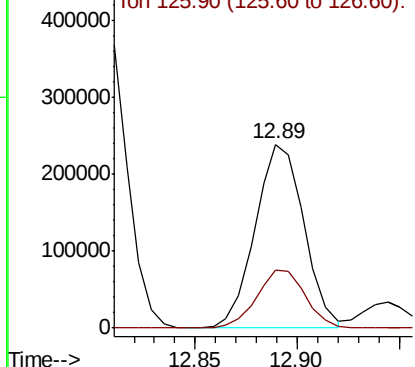
#79
 2-Chlorotoluene
 Concen: 51.302 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 396925
 Ion Ratio Lower Upper
 91 100
 126 31.5 15.8 47.3

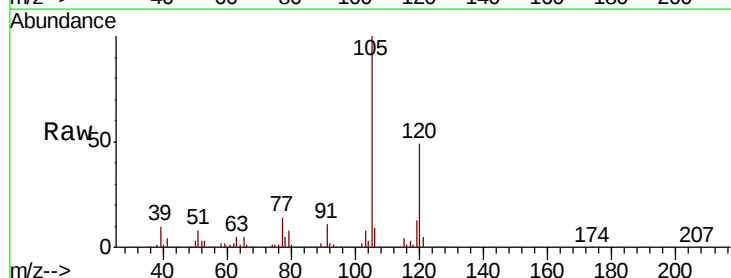


Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 125.90 (125.60 to 126.60): V

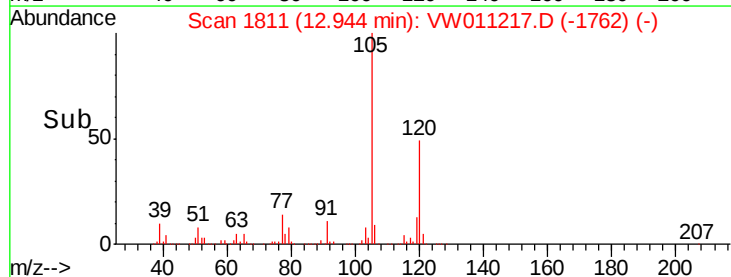
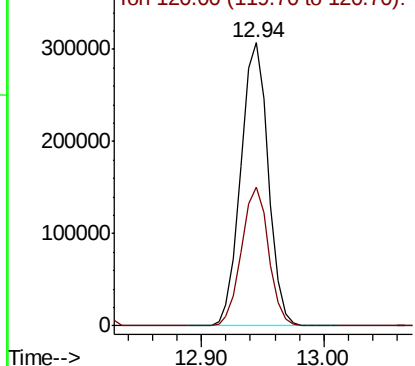


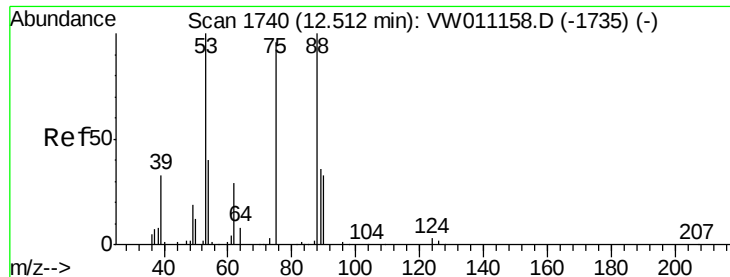
#80
 1,3,5-Trimethylbenzene
 Concen: 51.379 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion:105 Resp: 476415
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2



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: 45.376 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

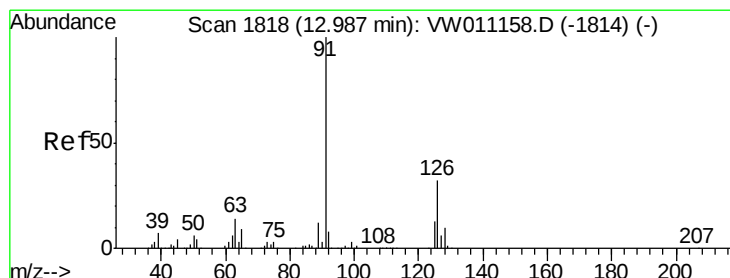
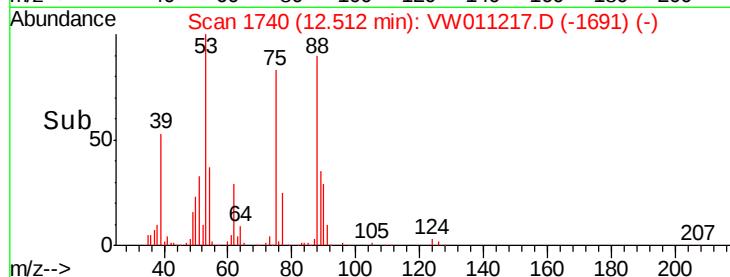
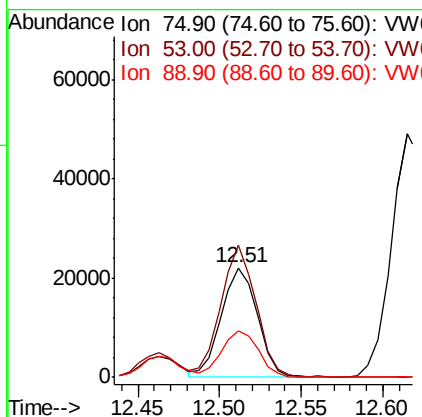
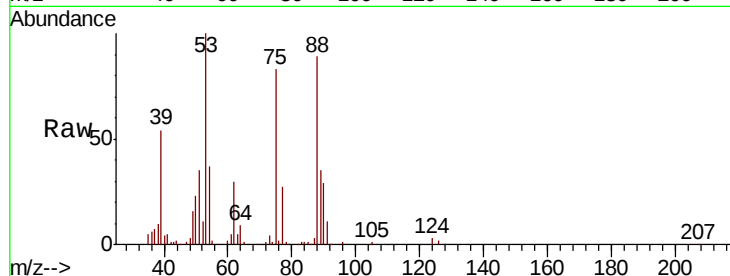
Tot Ion: 75 Resp: 33850

Ion Ratio Lower Upper

75 100

53 117.1 89.8 134.6

89 43.5 34.3 51.5



#82

4-Chlorotoluene

Concen: 51.600 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW011217.D

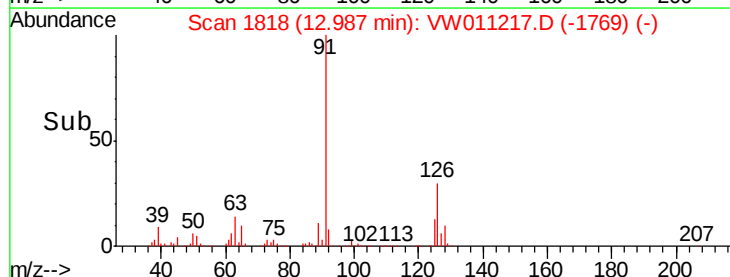
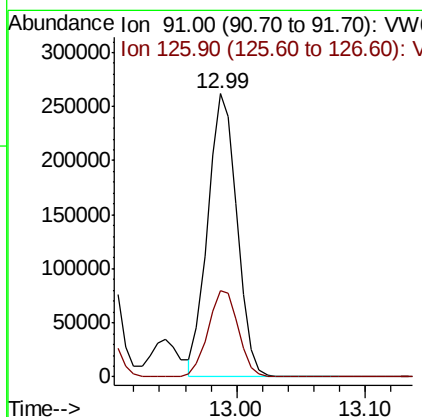
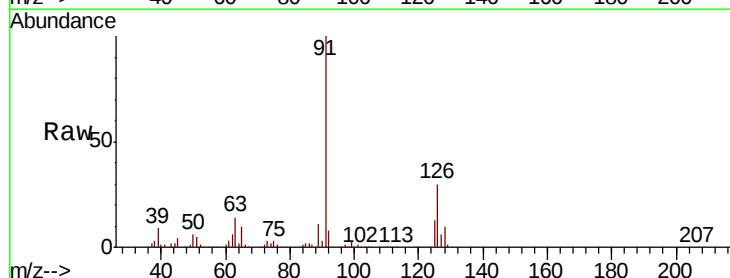
Acq: 11 Jul 2019 04:31

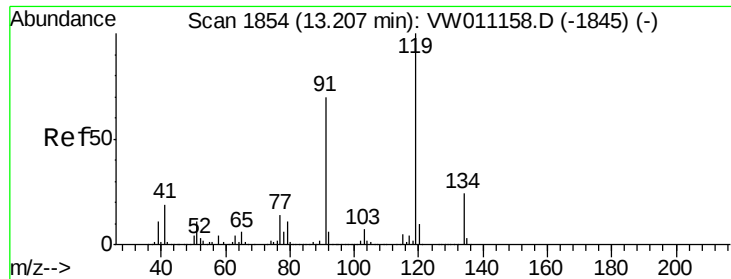
Tgt Ion: 91 Resp: 415823

Ion Ratio Lower Upper

91 100

126 31.5 15.7 47.1

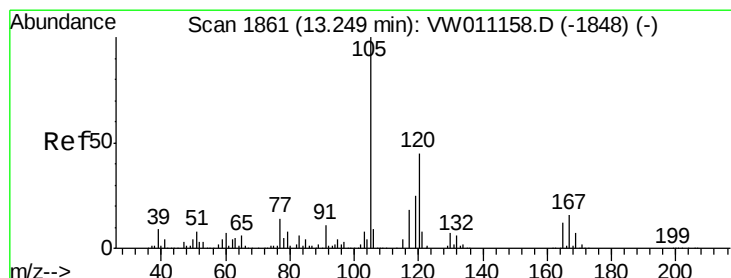
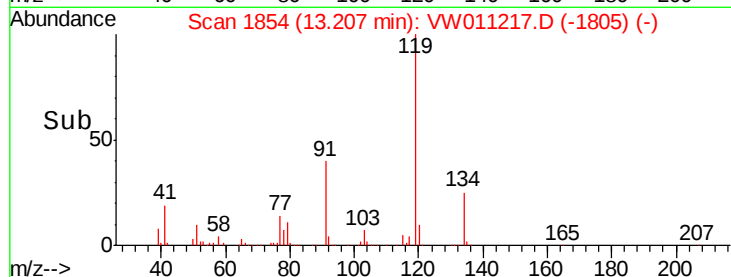
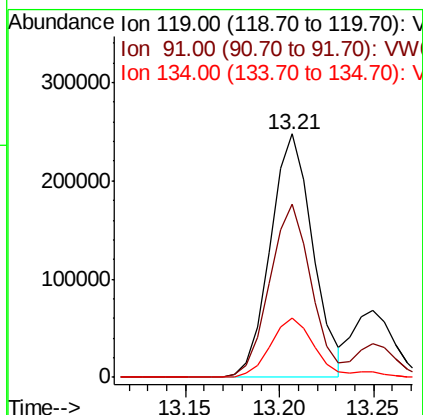
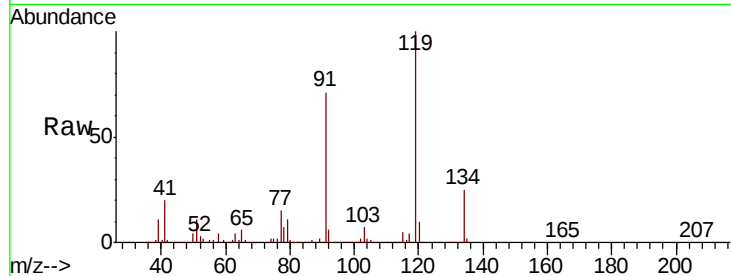




#83
tert-Butylbenzene
Concen: 50.185 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

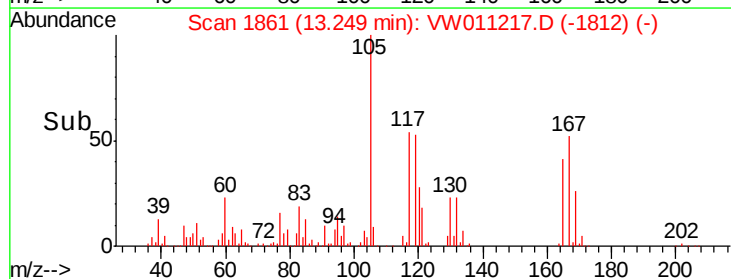
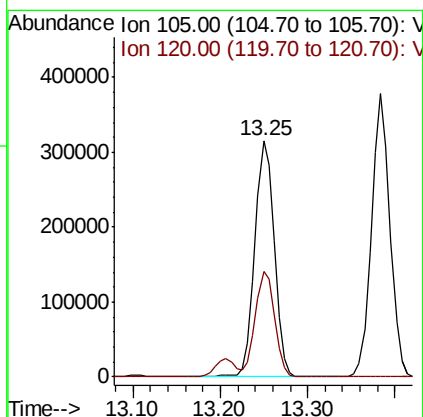
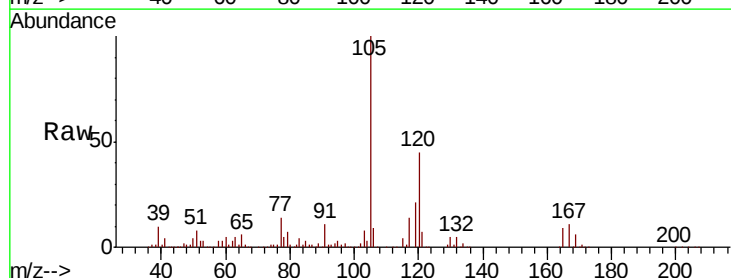
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

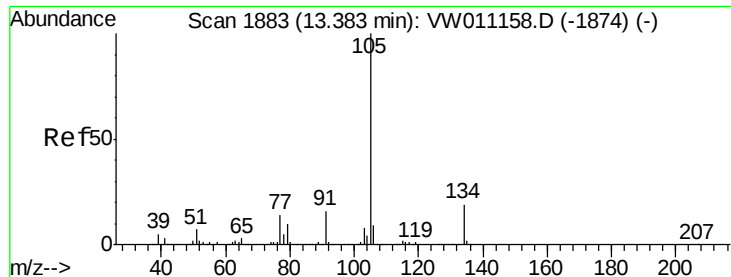
Tot Ion:119 Resp: 388090
Ion Ratio Lower Upper
119 100
91 69.4 35.4 106.3
134 26.5 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 52.242 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011217.D
Acq: 11 Jul 2019 04:31

Tgt Ion:105 Resp: 486408
Ion Ratio Lower Upper
105 100
120 44.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 49.727 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

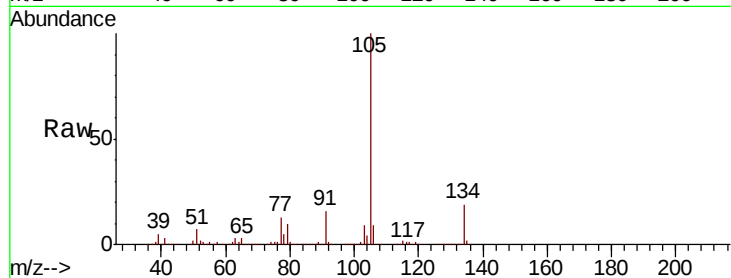
VSTDCCC050EC

Tot Ion:105 Resp: 554883

Ion Ratio Lower Upper

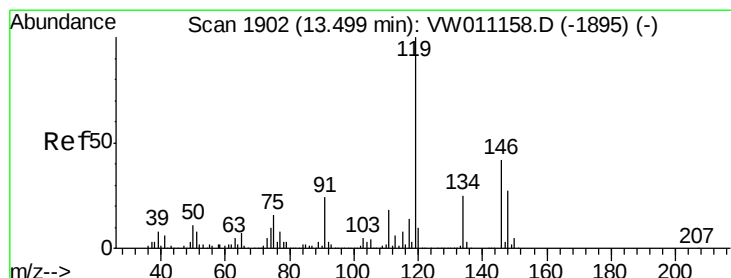
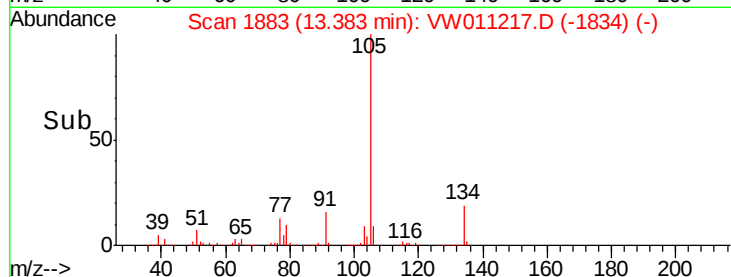
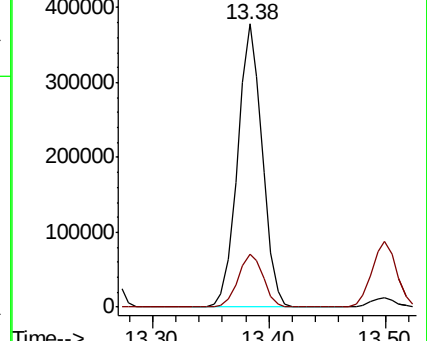
105 100

134 19.2 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.373 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

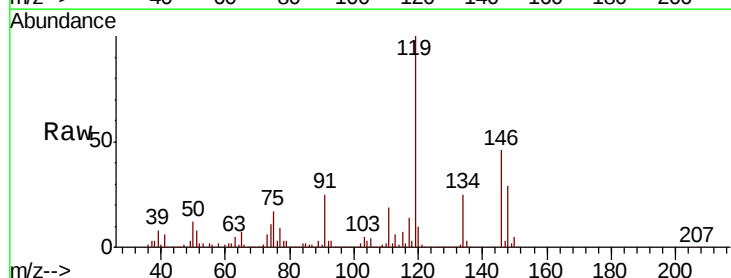
Tgt Ion:119 Resp: 504148

Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.6

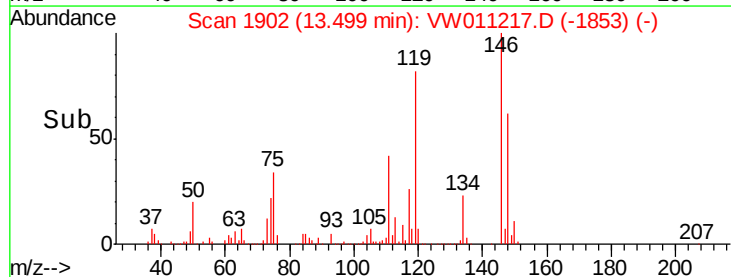
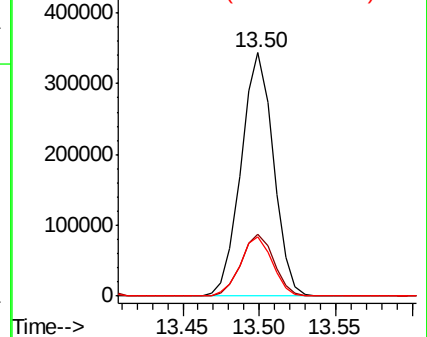
91 24.3 12.3 36.8

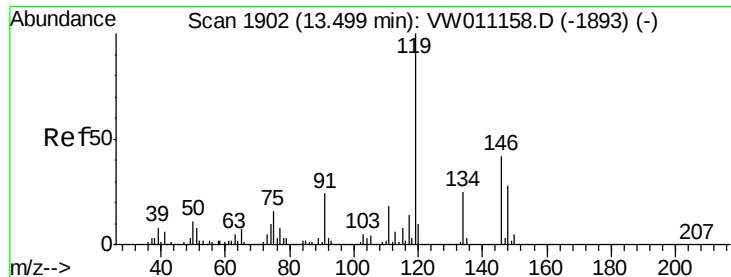


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 53.473 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

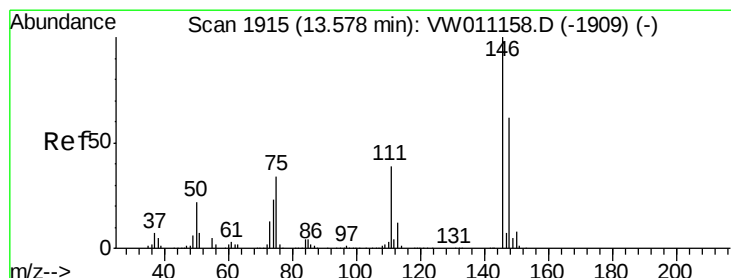
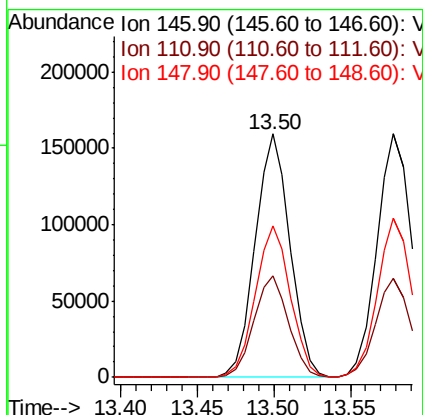
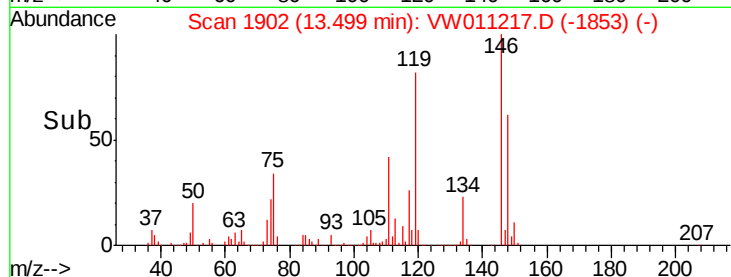
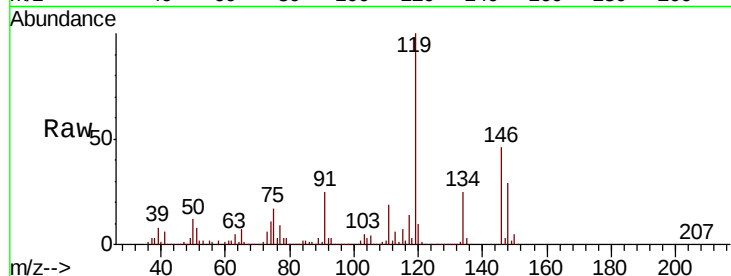
Tot Ion:146 Resp: 252002

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.1

148 62.8 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 52.970 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

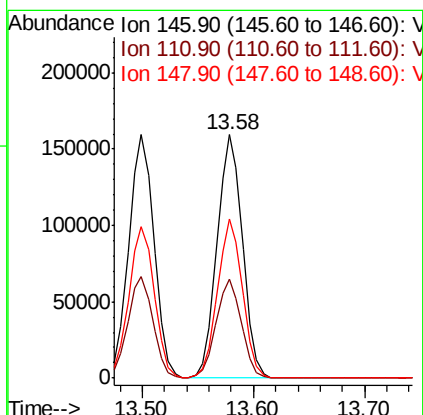
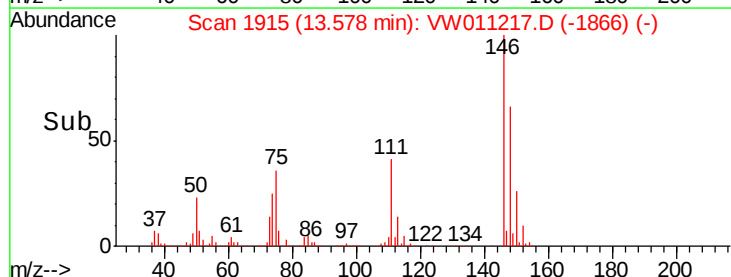
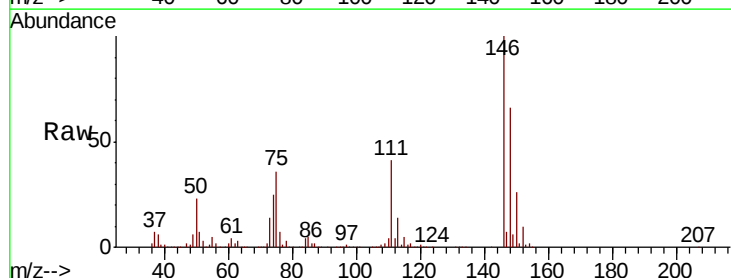
Tgt Ion:146 Resp: 251371

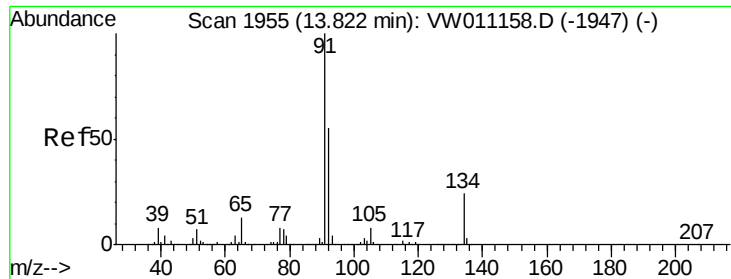
Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.7

148 64.0 31.5 94.5





#89

n-Butylbenzene

Concen: 49.741 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

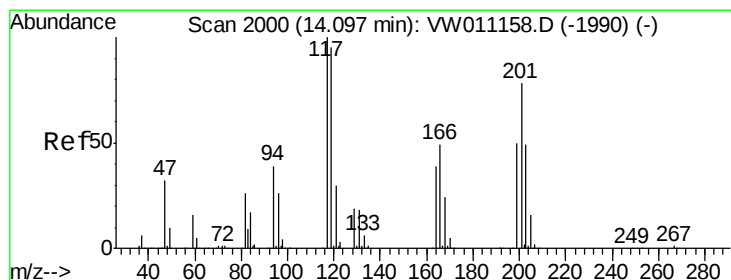
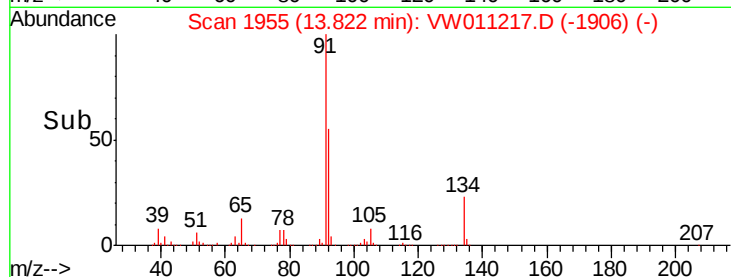
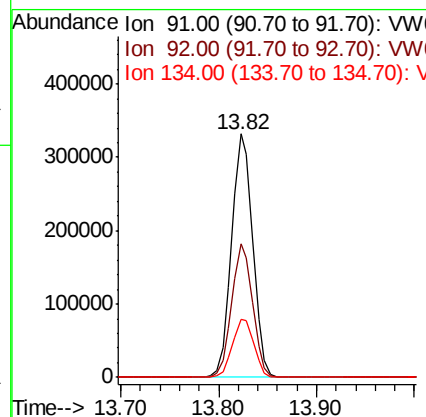
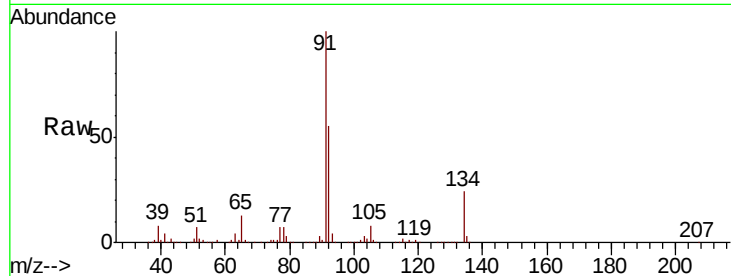
Tot Ion: 91 Resp: 496615

Ion Ratio Lower Upper

91 100

92 54.3 26.9 80.7

134 24.3 12.2 36.4



#90

Hexachloroethane

Concen: 49.910 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.01 min

Lab File: VW011217.D

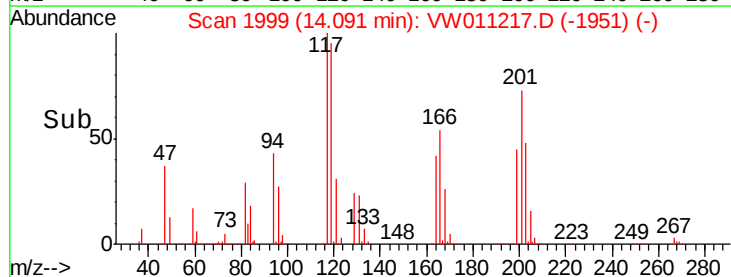
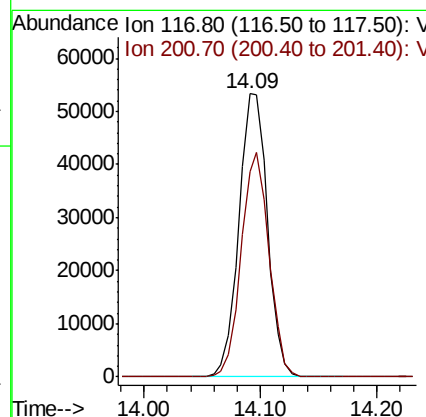
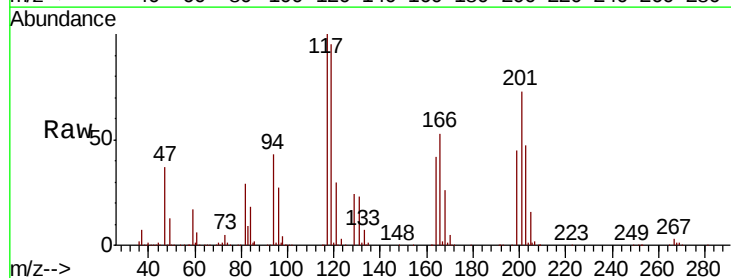
Acq: 11 Jul 2019 04:31

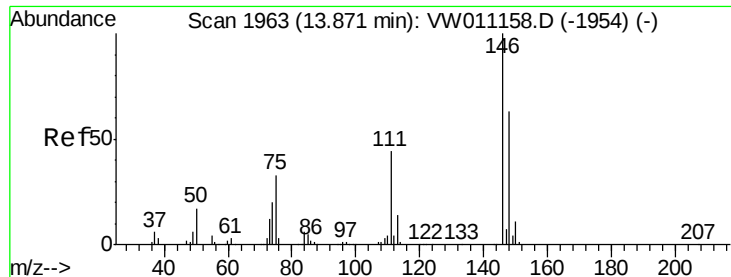
Tgt Ion: 117 Resp: 91279

Ion Ratio Lower Upper

117 100

201 77.2 38.3 114.8

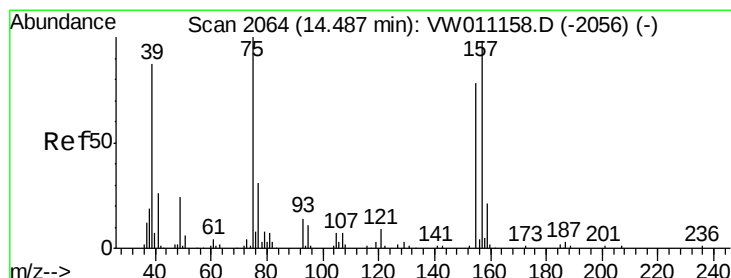
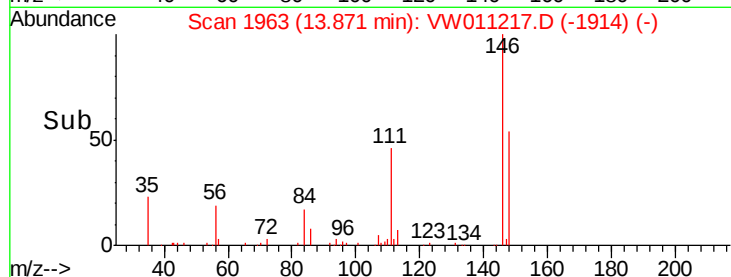
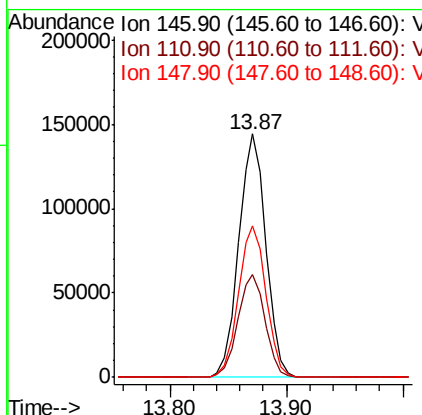
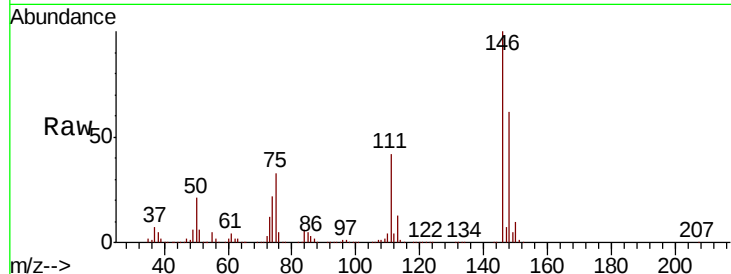




#91
 1,2-Dichlorobenzene
 Concen: 54.599 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

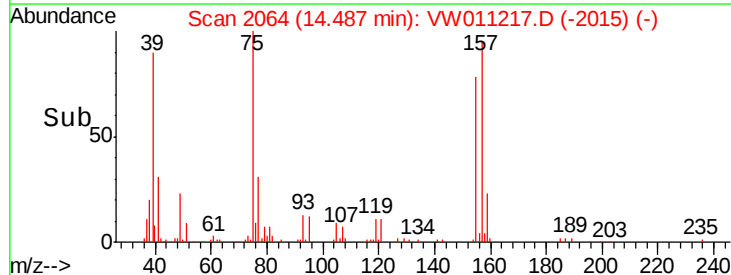
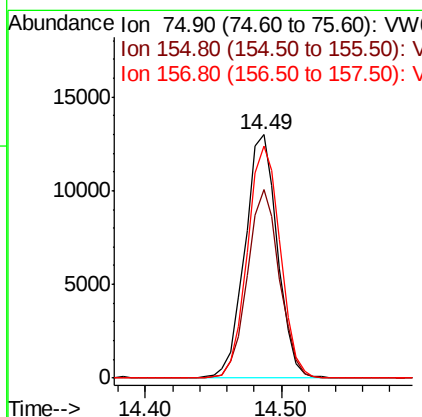
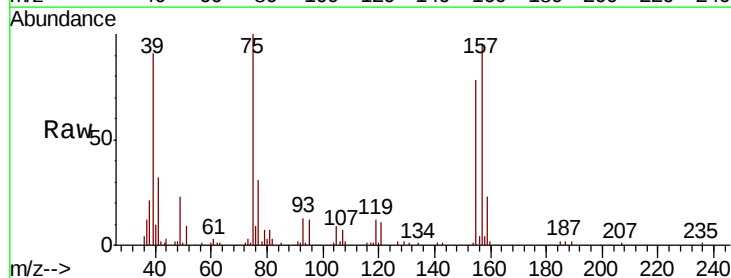
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

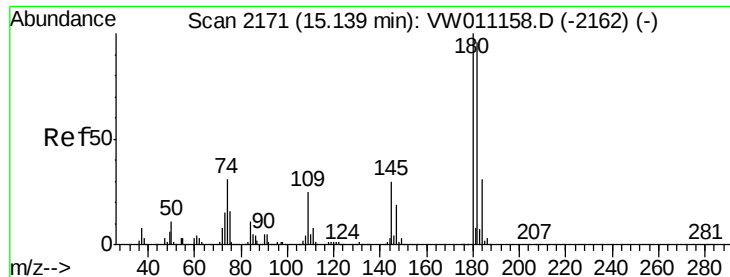
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.6	65.0
148	63.4	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.817 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	37.1	111.3
157	96.5	48.5	145.6

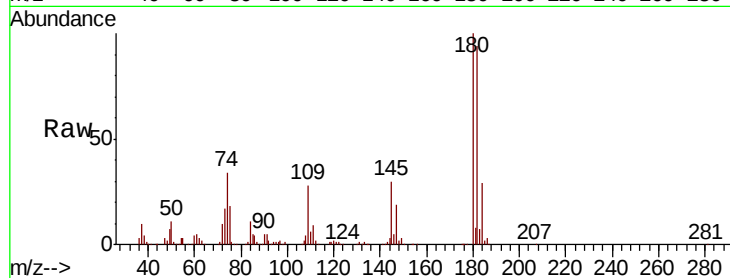




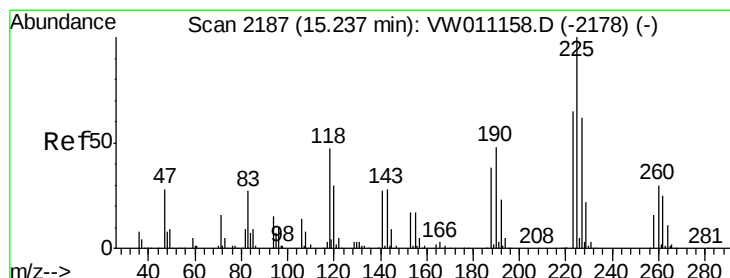
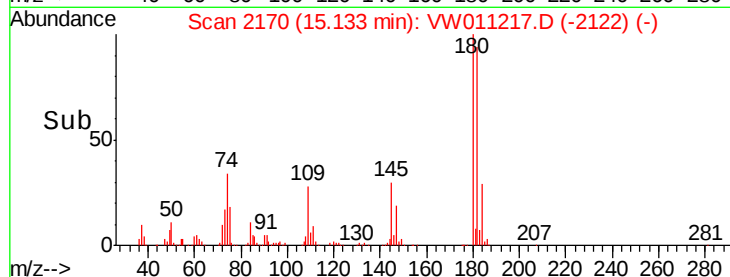
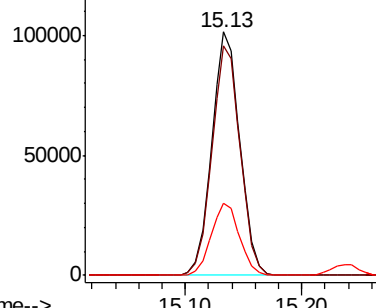
#93
 1,2,4-Trichlorobenzene
 Concen: 57.578 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.3	144.9
145	29.9	15.5	46.5

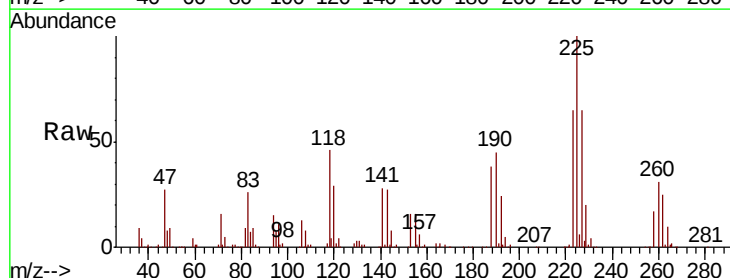


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

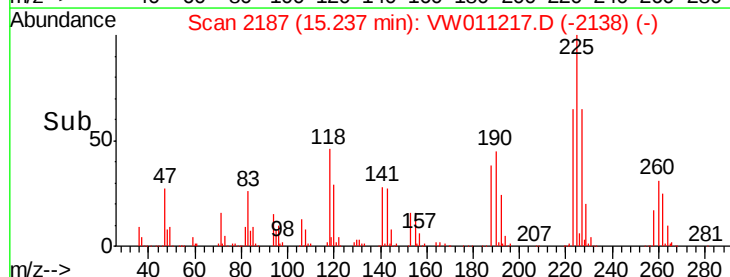
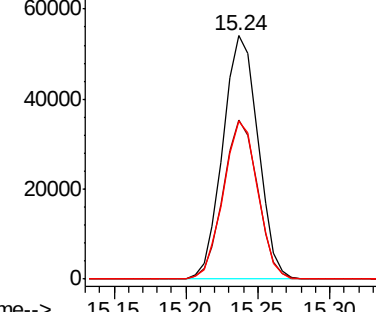


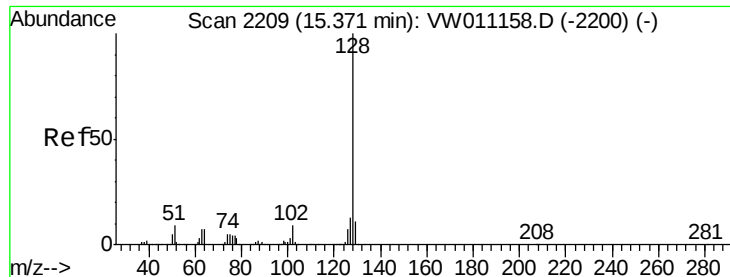
#94
 Hexachlorobutadiene
 Concen: 50.532 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011217.D
 Acq: 11 Jul 2019 04:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.6	95.0
227	63.4	32.0	96.0



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





#95

Naphthalene

Concen: 62.740 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

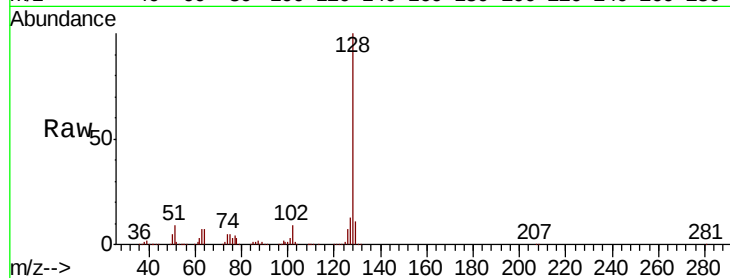
Tot Ion:128 Resp: 354043

Ion Ratio Lower Upper

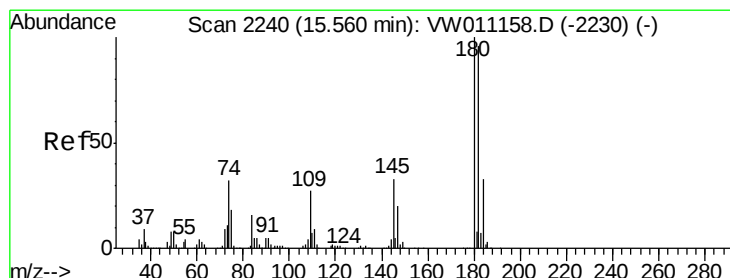
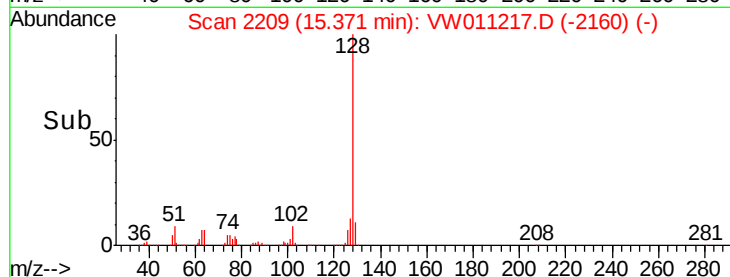
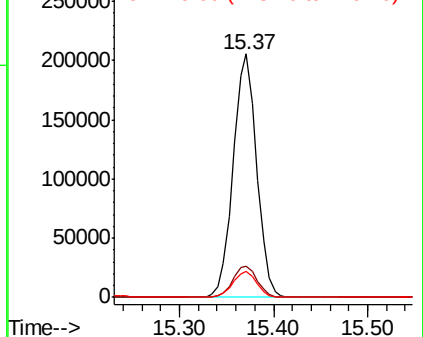
128 100

127 13.5 10.6 16.0

129 10.7 8.7 13.1



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: 59.575 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW011217.D

Acq: 11 Jul 2019 04:31

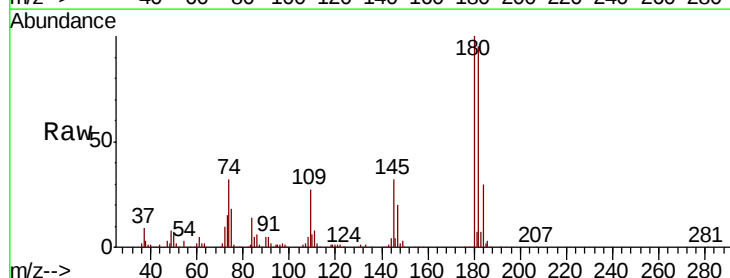
Tgt Ion:180 Resp: 154832

Ion Ratio Lower Upper

180 100

182 94.5 47.6 142.8

145 32.1 16.5 49.5



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

